F/F 13

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

AUG/ALL-75-4.54/0.00

AUGLAIZE COUNTY
DUCHOUQUET TOWNSHIP
PUSHETA TOWNSHIP
ALLEN COUNTY
SHAWNEE TOWNSHIP

JUL 02 1997

AUGLAIZE COUNTY ALLEN COUNTY AUG-75-4.54 ALL-75-0.00	OHIO FHWA REGION 5 FEDERAL PROJECT	1 231

IM -75-4(45)110

DESIGN DESIGNATION

Current A.D.T. (1992)	=	24,550
Design Year A.D.T. (2012)	=	31,920
D.H.V.	=	3,192
D	=	55%
T	=	18%
V	=	70 m.p.h.
Legal Limit	=	65 m.p.h.
Functional Classification	=	Rural Interstate

Design Exceptions:	Approved
Graded Shoulder Width	/ /92
Horizontal Clearance	/ /92
Bridge Width	/ /92
Vertical Clearance	/ /92
Length of Curve	/ /92
Design Loading	/ /92

CONVENTIONAL SIGNS

County Line
Township Line
Section Line
Corporation Line or
Fence Line (existing) (proposed)
Center Line 352 353
Trees, Stumps, (to be removed)
Utility Poles: Telephone, Power, Light

Limited Access (only) LA
Right of Way (only) R/W
Limited Access & Right of Way L.A. R/W
Existing Right of Way
Property Line (in existing fence)
Railroad or
Guardrail (existing) (proposed)

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Sheet no. 187 not used

LINE DATA

Begin Work	Sta. 290+00.00
Begin Project	Sta. 291+54.47
Station Equation:	Sta. 664+49.88 Back = Sta. 660+47.66 Ahead
Station Equation:	Sta. 708+84.08 Back = Sta. 0+00.00 Ahead
End Project	Sta. 9+61.00
End Work	Sta. 11+50.00

Add For Length of Work on Approaches:

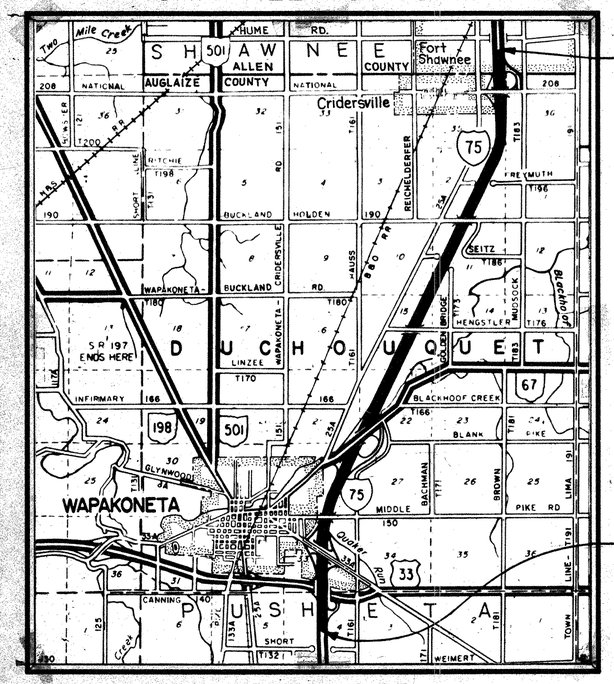
Hengstler Road: Sta. 7+50.00 to Sta. 23+25.00 = 1,575.00 Lin. Ft.
National Road: Sta. 4+25.00 to Sta. 20+25.00 = 1,600.00 Lin. Ft.

Length of Project	=	43,092.83 Lin. Ft.	= 8.162 Miles
Length of Work	=	46,611.30 Lin. Ft.	= 8.828 Miles

Plan Prepared By:
DISTRICT NO. 7
OHIO DEPARTMENT OF TRANSPORTATION

SEAL

Project: AUG./ALL.-75-4.54/0.00
Date of Letting _____ 19__ Contract No.____



END PROJECT
Sta. 9+61.00

BEGIN PROJECT
Sta. 291+54.47
S.L.M.=4.54

LOCATION MAP
SCALE IN MILES
0 1 2 3 4

Portion to be Improved
State & Federal Routes
Other Roads

SCALES

Plan: 0 25 50 100

Profile: Horizontal 0 25 50 100, Vertical 0 5 10

Cross Section: Horizontal 0 5 10, Vertical 0 5 10

UNDERGROUND UTILITIES
TWO WORKING DAYS BEFORE YOU DIG Call...800-362-2764 (Toll Free) OHIO UTILITIES PROTECTION SERVICE NON-MEMBERS MUST BE CALLED DIRECTLY

LIMITED ACCESS

This improvement is especially designed for through traffic and has been declared a limited access highway or freeway by action of the Director in accordance with the provisions of Section 5511.02 of the Revised Code of Ohio.

1991 SPECIFICATIONS

The standard specifications of the State of Ohio, Department of Transportation, including changes and supplemental specifications listed in the proposal shall govern this improvement.

I hereby approve these plans and declare that the making of this improvement will not require the closing to traffic of the highway and that provisions for the maintenance and safety of traffic will be as set forth on the plans and estimates.

"Under authority of section 4511.21, Division (H) of the Revised Code of Ohio, the Revised Prima Facie Speed Limits as indicated herein are determined to be reasonable and safe, and are hereby established for the duration of this project. The Prima Facie Speed Limit or Limits hereby established shall become effective when appropriate signs giving notice thereof are erected."

Approved Gerald B. Lynch
Date 2/24/92 District Deputy Director of Transportation

Approved _____
Date _____ Assistant Deputy Director, Real Estate Administration

Approved B.D. Hamblani
Date 5-6-92 Engineer, Bureau of Bridges and Structural Design

Approved George L. Bury
Date 5/21/92 Deputy Director, Planning and Design

Approved Jerry Wray
Date 5/21/92 Director, Department of Transportation

SUPPLEMENTAL SPECIFICATIONS			
802	4-13-90	952	12-14-88
845	5-31-88		
		953	8-21-80
852	6-10-87	923	1-10-69
820	3-18-92	940	6-10-87
910	5-20-91	942	3-18-92
921	12-4-72	944	3-18-92
931	3-18-92	902	8-31-79

SUPPLEMENTAL PRINTS OF STANDARD CONSTRUCTION DRAWINGS											
BP-3	12-6-76	GR-1.1	5-6-91	MT-95.30	10-10-88	TC-22.20	3-1-79	HW-4A	4-1-80
BP-4	10-1-87	GR-1.2	5-6-91	MT-98.12	08-25-89	TC-35.10	8-29-84	HW-4B	4-1-80
BP-5	10-1-87	GR-3.1	5-6-91	MT-98.13	08-25-89	TC-41.10	8-29-84	MC-94	1-11-85
BP-6	10-1-87	GR-3.2	5-6-91	MT-98.14	08-25-89	TC-41.20	3-26-79	AS-1-81	11-27-81
BP-7	10-1-87	GR-3.4	5-6-91	MT-98.15	08-25-89	TC-41.50	3-26-79	DBR-2-73	4-10-73
BP-11	1-30-84	GR-4.1	5-6-91	MT-99.10	11-14-86	TC-42.10	8-19-77	SD-1-69	6-12-69
BP-13	1-23-90	GR-4.2	5-6-91	MT-99.20	04-29-88	TC-42.20	3-26-79	RB-1-55	2-02-59
		GR-5	2-5-82	BP-1	6-1-65	TC-51.10	1-20-84	CS-2-73	4-10-73
MC-4	7-26-76	GR-6	2-5-82	BP-2	1-11-85	TC-51.11	1-20-84	BR-1	5-29-79
MC-7	10-15-76	GR-6A	2-5-82	CB-2-2-A&B	5-1-79	TC-52.10	4-3-79		
MC-9	1-30-84	GR-8	10-25-90	CB-2-3&2-4	5-1-79	TC-52.20	4-3-79	HL-50.11	5-01-87
MC-9.2	5-06-91	GR-2.1	5-6-91	CB-4	11-10-83	TC-72.20	2-26-82		
MC-11	8-01-78	F-1	11-10-83	I-3A&B	4-1-80				
GR-1.3	2-21-92	F-6	5-1-76	BP-9	12-6-76				

REVISED 7-9-92

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
APPROVED:

DIVISION ADMINISTRATOR - DATE

A:AUG75TP1 19920214

FHWA REGION	STATE	PROJECT	
5	OHIO		

2/231

SCHEMATIC PLAN

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

SCALE
0 400 800 1200 1600

WAPAKONETA

CURVE DATA

P.I. STA.	=	170+65.68
Δ	=	23°-39' Lt.
D	=	1°-0'
R	=	5729.58'
L	=	2365.00'
T	=	1199.58'
E	=	124.23'
P.C. Sta.	=	158+66.10
P.T. Sta.	=	182+31.10

BEGIN PROJECT
STA. 291+54.47
SLM = 4.54
IM-75-4(45)110
BEGIN WORK
STA. 290+00.00

N-00°-45'-00"-E

Sta. 166+10.20 U.S.R. 33 =
Sta. 316+04.91 I.R.-75

℄ US-33

AUG-75-0498 L
Vertical Clearance:
W.B. Ex. clr. = 16'-7 3/4"
E.B. Ex. clr. = 15'-6"

AUG-75-0498 L & R

AUG-75-0498 R
Vertical Clearance:
E.B. Ex. clr. = 15'-3"
W.B. Ex. clr. = 16'-5"

AUG-75-0515 L & R

AUG-75-0545
Vertical Clearance:
S.B. Ex. clr. = 15'-0 1/4"
S.B. Prop. clr. = 15'-3 1/4"
N.B. Ex. clr. = 15'-6 1/4"
N.B. Prop. clr. = 15'-7 1/4"

AUG-75-0608
Vertical Clearance:
S.B. Ex. clr. = 14'-10"
S.B. Prop. clr. = 15'-1"
N.B. Ex. clr. = 15'-2 1/4"
N.B. Prop. clr. = 15'-3 1/4"

AUG-75-0608

Sta. 868+53.02 Bellefontaine St. =
Sta. 338+19.12 I.R.-75

Sta. 377 + 00 Existing median crossover to be resurfaced

N-21°-43'-00"-E

P.C. Sta. 377+25.61

P.T. Sta. 398+22.27

CURVE DATA

P.I. STA.	=	387+85.80
Δ	=	20°-58' Rt.
D	=	1°-0'
T	=	1060.19'
L	=	2096.66'
E	=	97.26'
R	=	5229.58'

CORPORATION LINE
AMTEC TRACKS
BELLEFONTAINE STREET
MIDDLE PIKE
CEMETERY ROAD
Quaker Run

SOUTHBOUND REST AREA
NORTHBOUND REST AREA

℄ SR-67

AUG-67-0345
AUG-75-0720

AUG-75-0754 L & R

Sta. 454 + 00 Existing median crossover to be resurfaced

Sta. 430+76.08 I.R.-75 =
Sta. 119+86.82 S.R.-67

AUG-75-0720
AUG-67-0345
Vertical Clearance:
S.B. Ex. clr. = 15'-0 "
S.B. Prop. clr. = 16'-1 3/8"
N.B. Ex. clr. = 15'-5"
N.B. Prop. clr. = 16'-4 1/4"

AUGLAIZE RIVER

N-21°-43'-00"-E

P.C. Sta. 485+22.74

P.T. Sta. 498+09.41

CURVE DATA

P.I. STA.	=	491+66.75
Δ	=	6°-26' Rt.
D	=	0°-30'
T	=	644.01'
L	=	1286.67'
E	=	18.08'
R	=	11,459.16'

℄ HENGSTLER ROAD

Sta. 7+50
BEGIN WORK

AUG-75-0876

Sta. 524 + 00 Proposed median crossover

Sta. 513+09.19 I.R.-75 =
Sta. 15+00.00 Hengstler Rd.

N-28°-09'-00"-E

Sta. 23+25
END WORK

AUG-75-0876
Vertical Clearance:
S.B. Ex. clr. = 15'-0"
S.B. Prop. clr. = 16'-1"
N.B. Ex. clr. = 15'-4 3/4"
N.B. Prop. clr. = 16'-1 1/2"

A:AU75SP1 19920207

SCHEMATIC PLAN SHEET 1 OF 2

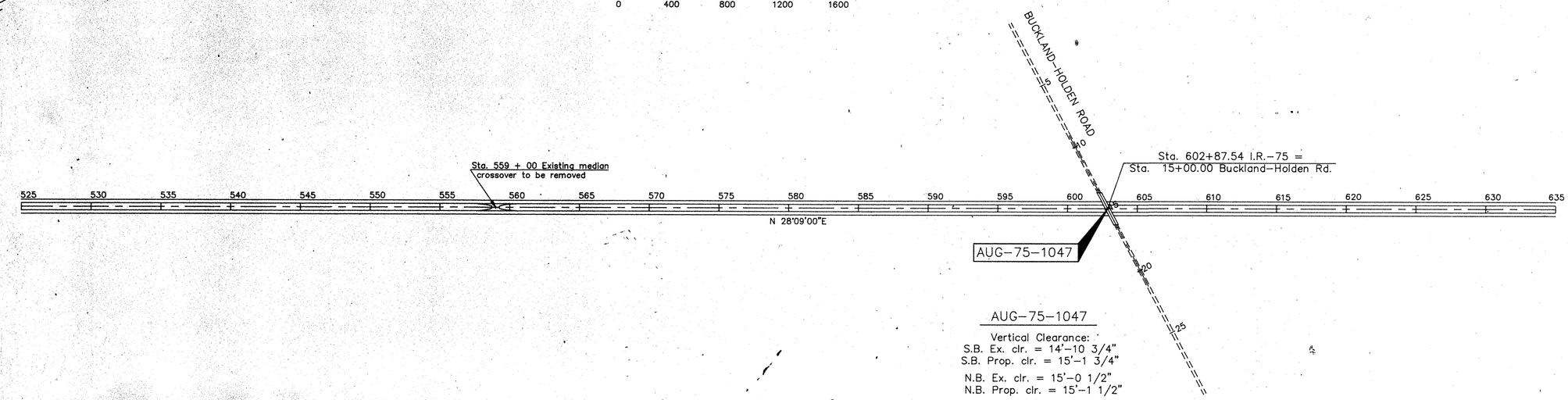
FHWA REGION	STATE	PROJECT	
5	OHIO		

3/231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

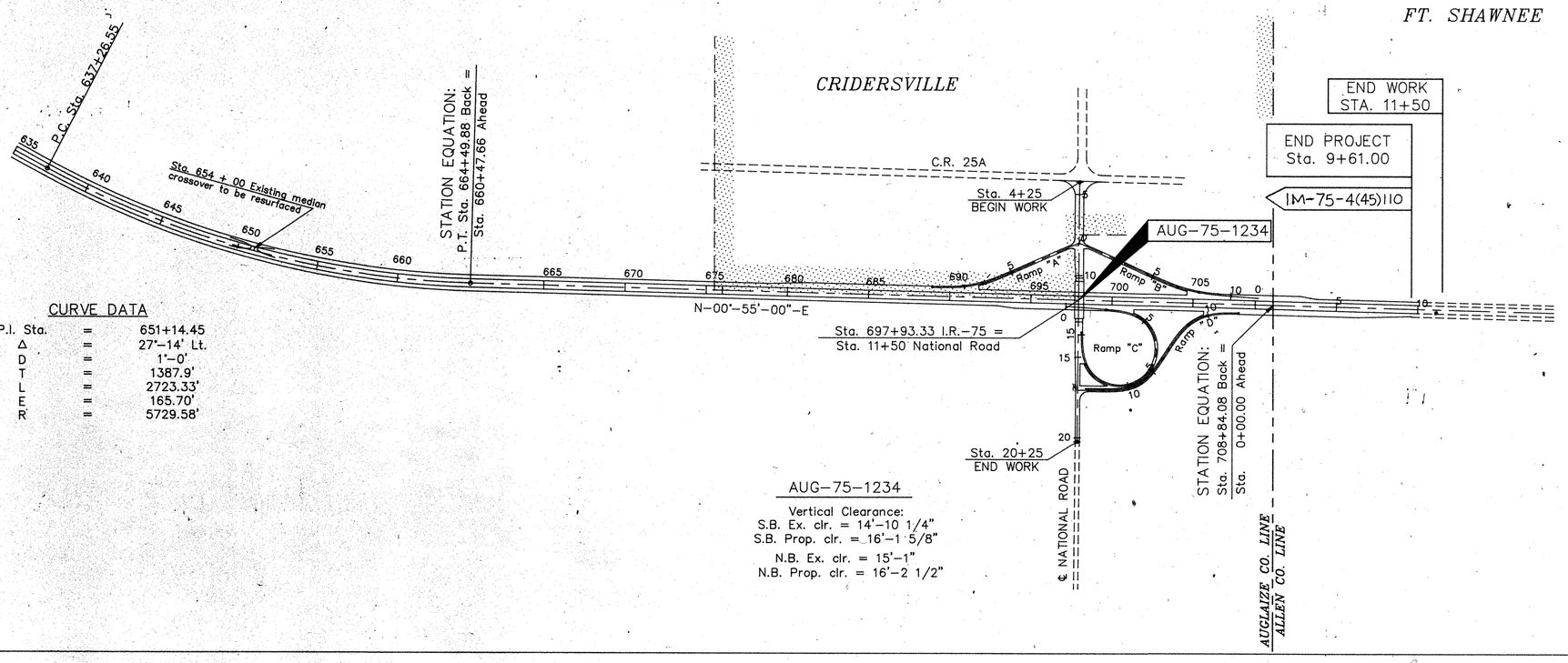
SCHEMATIC PLAN

SCALE
0 400 800 1200 1600



AUG-75-1047

Vertical Clearance:
S.B. Ex. clr. = 14'-10 3/4"
S.B. Prop. clr. = 15'-1 3/4"
N.B. Ex. clr. = 15'-0 1/2"
N.B. Prop. clr. = 15'-1 1/2"



CURVE DATA

P.I. Sta.	=	651+14.45
Δ	=	27°-14' Lt.
D	=	1°-0'
T	=	1387.9'
L	=	2723.33'
E	=	165.70'
R	=	5729.58'

AUG-75-1234

Vertical Clearance:
S.B. Ex. clr. = 14'-10 1/4"
S.B. Prop. clr. = 16'-1 5/8"
N.B. Ex. clr. = 15'-1"
N.B. Prop. clr. = 16'-2 1/2"

A:AU75SP2 19920206

SCHEMATIC PLAN SHEET 2 OF 2

IR-75 TYPICAL SECTIONS

TYPE 446

Scale in Feet

0 5 10

NOTE: VERTICAL SCALE IS EXAGGERATED

FHWA REGION	STATE	PROJECT	
5	OHIO		

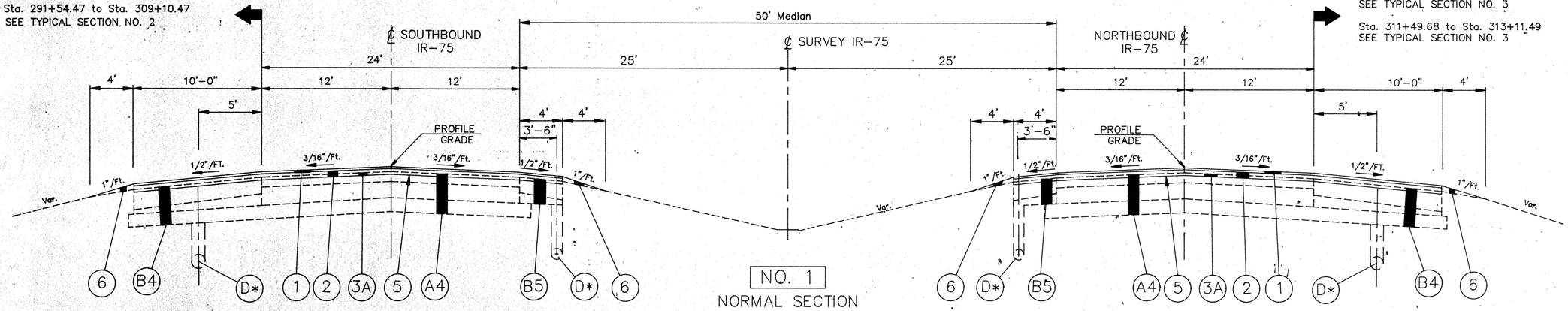
4
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

Sta. 291+54.47 to Sta. 309+10.47
SEE TYPICAL SECTION NO. 2

Sta. 293+01.21 to Sta. 305+92.97
SEE TYPICAL SECTION NO. 3

Sta. 311+49.68 to Sta. 313+11.49
SEE TYPICAL SECTION NO. 3



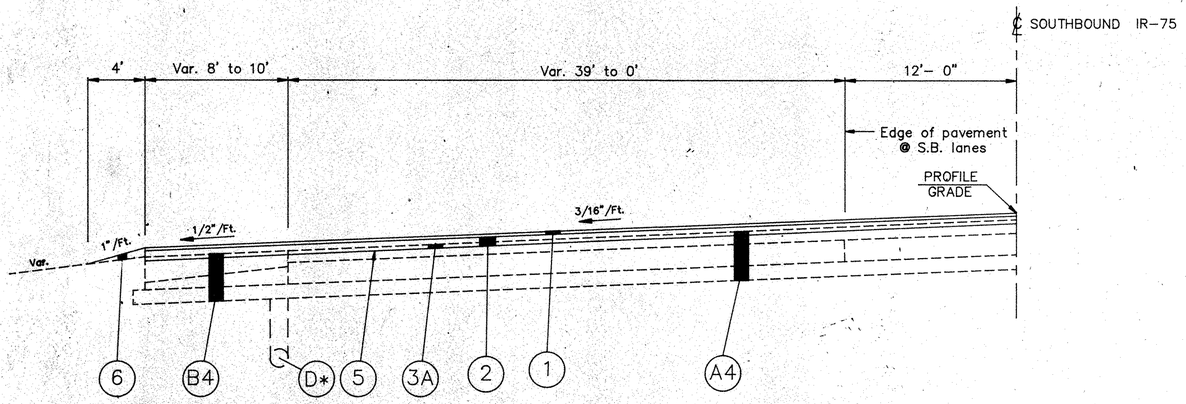
NO. 1
NORMAL SECTION

LIMITING STATIONS
SOUTHBOUND LANES

Sta. 291+54.47 to Sta. 313+25.08 = 2170.61 Lin. Ft.
Sta. 313+25.08 to Sta. 318+19.04 = Bridge Limits & Transition

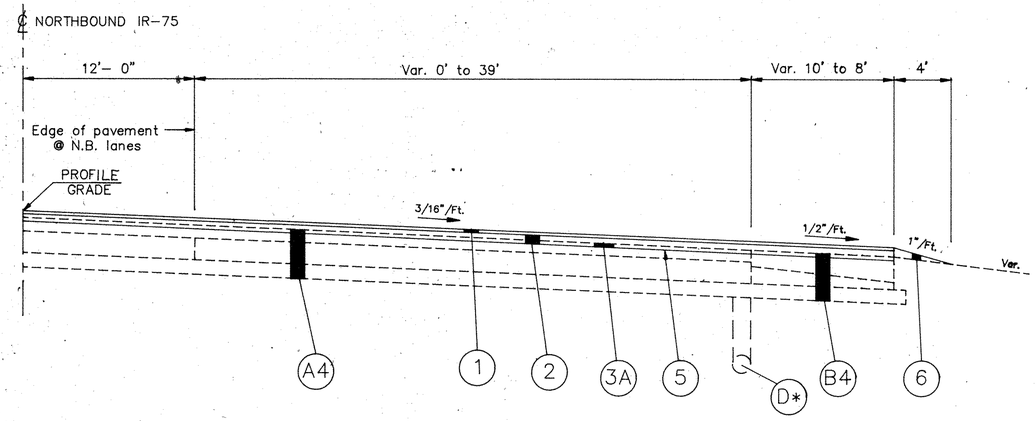
LIMITING STATIONS
NORTHBOUND LANES

Sta. 291+54.47 to Sta. 313+16.02 = 2161.55 Lin. Ft.
Sta. 313+16.02 to Sta. 319+09.89 = Bridge Limits & Transition



NO. 2
NORMAL SECTION
LIMITING STATIONS

I.R.-75 & U.S.R.-33:
Ramp "C": Sta. 291+54.47 to Sta. 309+10.47 = 1756.00 Lin. Ft.



NO. 3
NORMAL SECTION
LIMITING STATIONS

I.R.-75 & U.S.R.-33:
Ramp "F": Sta. 293+01.21 to Sta. 305+92.97 = 1291.76 Lin. Ft.
Ramp "D": Sta. 311+49.68 to Sta. 313+11.49 = 161.81 Lin. Ft.

* FOR ACTUAL UNDERDRAIN LOCATIONS
SEE RESPECTIVE PLAN SHEETS

FOR PAVEMENT LEGEND SEE
TYPICAL SECTION SHEET NO. 8

A:AU75TS1A 19920203

IR-75 TYPICAL SECTIONS

TYPE 446

FHWA REGION	STATE	PROJECT	
5	OHIO		

5/231

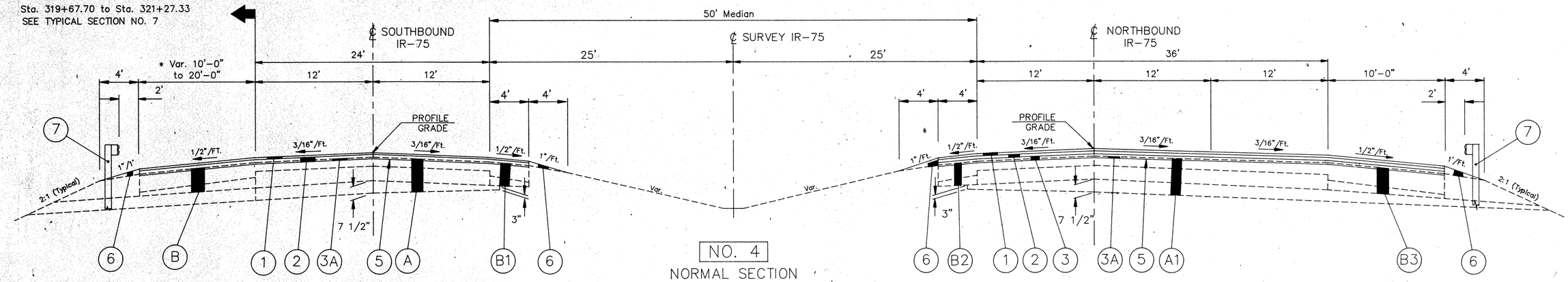
AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

Scale in Feet

0 5 10

NOTE: VERTICAL SCALE IS EXAGGERATED

Sta. 319+67.70 to Sta. 321+27.33
SEE TYPICAL SECTION NO. 7



NO. 4
NORMAL SECTION

LIMITING STATIONS

SOUTHBOUND LANES

* Sta. 318+19.04 to Sta. 319+67.70 = 148.66 Lin. Ft.
Sta. 319+67.70 to Sta. 321+27.23 = 159.53 Lin. Ft.
Sta. 321+27.23 to Sta. 325+21.84 = Bridge Limits & Transition

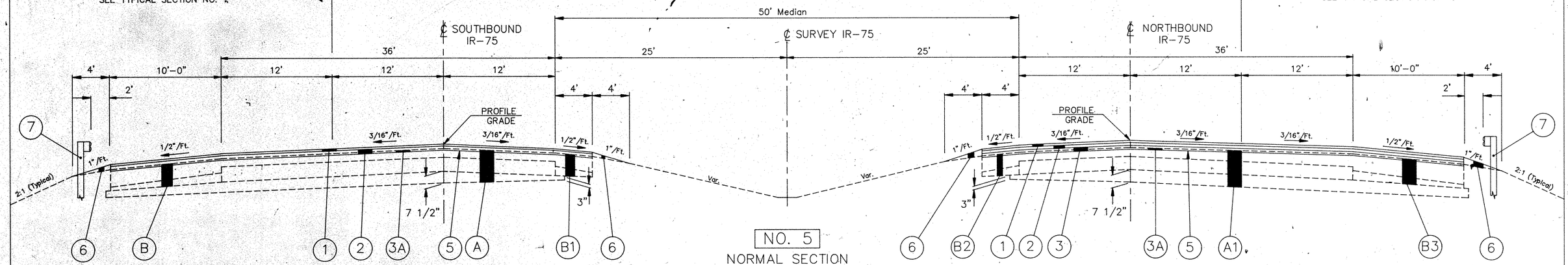
LIMITING STATIONS

NORTHBOUND LANES

Sta. 319+09.98 to Sta. 319+98.29 = 88.31 Lin. Ft.
Sta. 319+98.29 to Sta. 325+92.91 = Bridge Limits & Transition

Sta. 328+18.99 to Sta. 332+1.73
SEE TYPICAL SECTION NO. 7

Sta. 329+46.55 to Sta. 331+90.00
SEE TYPICAL SECTION NO. 8



NO. 5
NORMAL SECTION

LIMITING STATIONS

SOUTHBOUND LANES

Sta. 325+21.84 to Sta. 332+01.73 = 679.89 LIN. FT.

LIMITING STATIONS

NORTHBOUND LANES

Sta. 325+92.91 to Sta. 331+90.00 = 597.09 LIN. FT.

FOR PAVEMENT LEGEND SEE TYPICAL SECTION SHEET NO. 8

IR-75 TYPICAL SECTIONS

TYPE 446

Scale in Feet

0 5 10

NOTE: VERTICAL SCALE IS EXAGGERATED

FHWA REGION	STATE	PROJECT	
5	OHIO		

6/231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

Sta. 344+42.58 to Sta. 352+87.00
See Typical Section No. 9

Sta. 407+80.00 to Sta. 420+97.07
See Typical Section No. 9

Sta. 434+06.00 to Sta. 443+49.00
See Typical Section No. 9

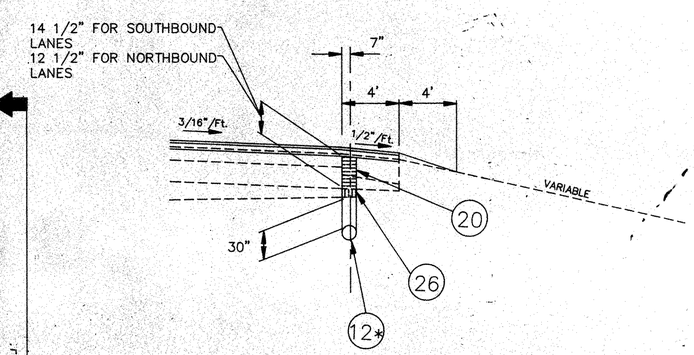
Sta. 463+00.00 to Sta. 477+99.94
See Typical Section No.'s 12 & 14

Sta. 495+31.57 to Sta. 503+31.57
See Typical Section No. 9

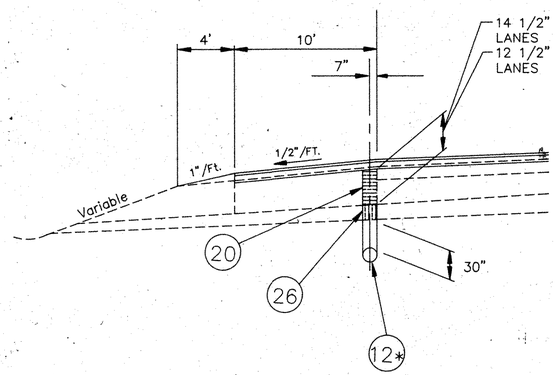
Sta. 678+75.00 to Sta. 691+78.21
See Typical Section No. 9

Sta. 704+62.00 to Sta. 708+84.08
See Typical Section No. 9

Sta. 0+00.00 to Sta. 1+50.00
See Typical Section No. 9



PROPOSED UNDERDRAIN DETAIL
FOR 4' BERMS



PROPOSED UNDERDRAIN DETAIL
FOR 10' BERMS

Sta. 344+37.63 to Sta. 357+60
See Typical Section No. 10

Sta. 416+15.00 to Sta. 424+56.50
See Typical Section No. 10

Sta. 434+06.00 to Sta. 441+63.00
See Typical Section No. 10

Sta. 463+50.00 to Sta. 471+50.00
See Typical Section No. 10

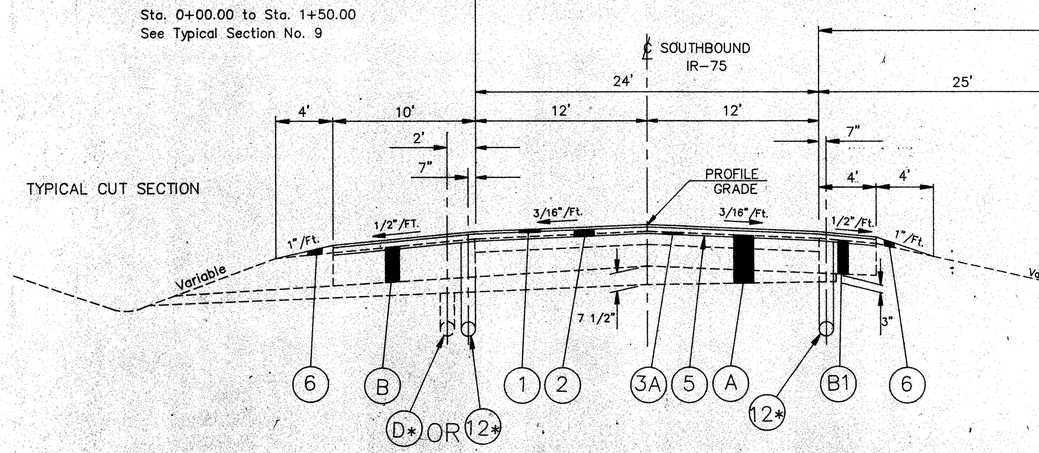
Sta. 499+25.00 to Sta. 505+50.00
See Typical Section No. 13

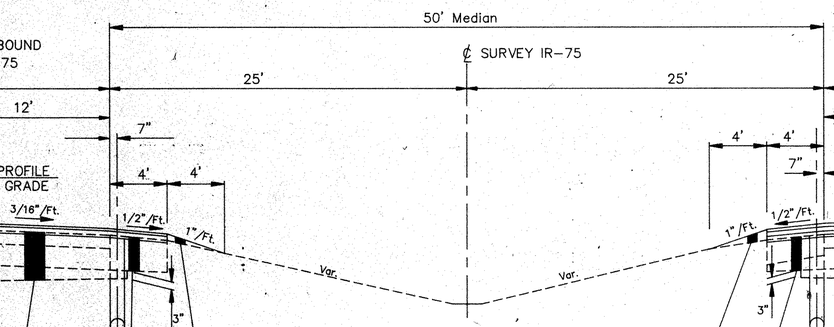
Sta. 705+67.00 to Sta. 708+84.08
See Typical Section No. 10

Sta. 0+00.00 to Sta. 1+50.00
See Typical Section No. 10

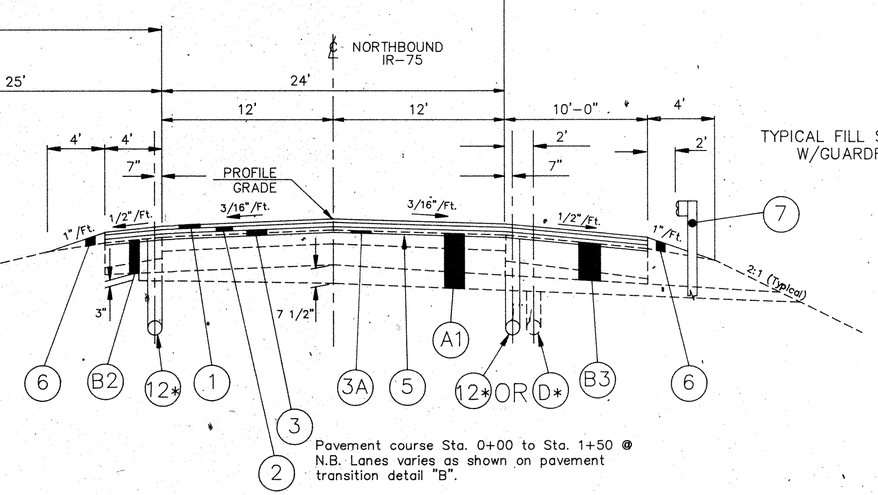
PROPOSED UNDERDRAIN DETAILS

TYPICAL CUT SECTION





TYPICAL FILL SECTION
W/GUARDRAIL



Pavement course Sta. 0+00 to Sta. 1+50 @ N.B. Lanes varies as shown on pavement transition detail "B".

SOUTHBOUND LANES

Sta. 332+01.73	to	Sta. 375+75.00	=	4373.27 Lin. Ft.
Sta. 398+95.00	to	Sta. 427+40.00	=	2845.00 Lin. Ft.
Sta. 434+06.00	to	Sta. 446+85.34	=	1279.34 Lin. Ft.
Sta. 446+85.34	to	Sta. 451+07.84	=	Bridge Limits & Transition
Sta. 451+07.84	to	Sta. 484+50.00	=	3342.16 Lin. Ft.
Sta. 499+25.00	to	Sta. 636+23.00	=	13698.00 Lin. Ft.
Sta. 662+00.00	to	Sta. 693+00.00	=	3100.00 Lin. Ft.
Sta. 701+54.00	to	Sta. 708+84.08	=	730.08 Lin. Ft.
Station Equation:		Sta. 708+84.08 Back	=	Sta. 0+00.00 Ahead
Sta. 0+00.00	to	Sta. 1+50.00	=	150.00 Lin. Ft.
		TOTAL	=	29517.85 Lin. Ft.

* FOR ACTUAL UNDERDRAIN LOCATIONS AND QUANTITIES SEE RESPECTIVE PLAN SHEETS AND UNDERDRAIN QUANTITY TABLES

NORTHBOUND LANES

Sta. 331+90.00	to	Sta. 375+75.00	=	4385.00 Lin. Ft.
Sta. 398+95.00	to	Sta. 427+40.00	=	2845.00 Lin. Ft.
Sta. 434+06.00	to	Sta. 446+05.16	=	1199.16 Lin. Ft.
Sta. 446+05.16	to	Sta. 452+27.66	=	Bridge Limits & Transition
Sta. 452+27.66	to	Sta. 484+50.00	=	3222.34 Lin. Ft.
Sta. 499+25.00	to	Sta. 636+23.00	=	13698.00 Lin. Ft.
Sta. 662+00.00	to	Sta. 693+00.00	=	3100.00 Lin. Ft.
Sta. 701+54.00	to	Sta. 708+84.08	=	730.08 Lin. Ft.
Station Equation:		Sta. 708+84.08 Back	=	Sta. 0+00.00 Ahead
Sta. 0+00.00	to	Sta. 1+50.00	=	150.00 Lin. Ft.
		TOTAL	=	29329.58 Lin. Ft.

FOR PAVEMENT LEGEND SEE TYPICAL SECTION SHEET NO. 8

IR-75 TYPICAL SECTIONS

TYPE 446

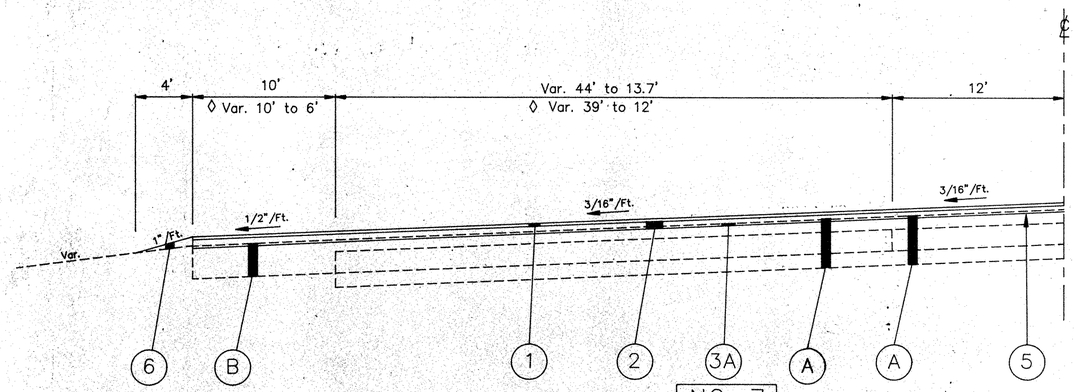
FHWA REGION	STATE	PROJECT	
5	OHIO		

7
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

Scale in Feet
0 5 10

NOTE: VERTICAL SCALE IS EXAGGERATED

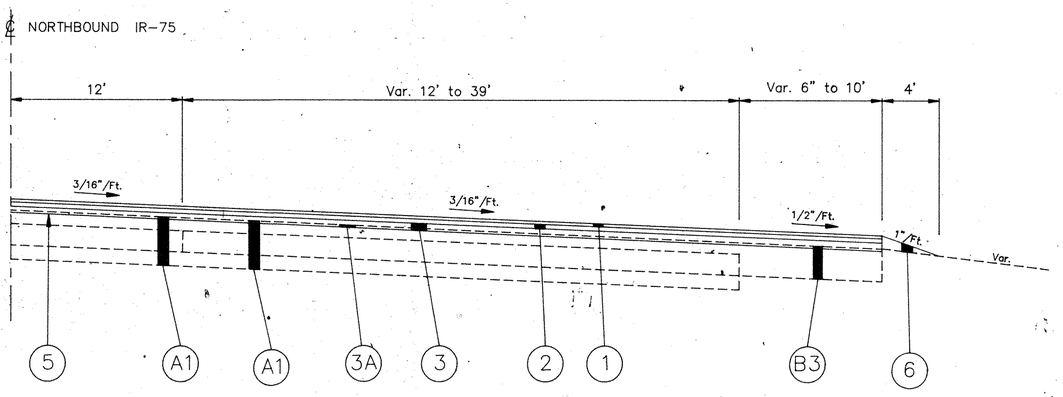


NO. 7

NORMAL SECTION
LIMITING STATIONS

I.R.-75 & U.S.R 33
Ramp "A": Sta. 319+67.70 to Sta. 321+27.23 = 159.53 Lin. Ft.

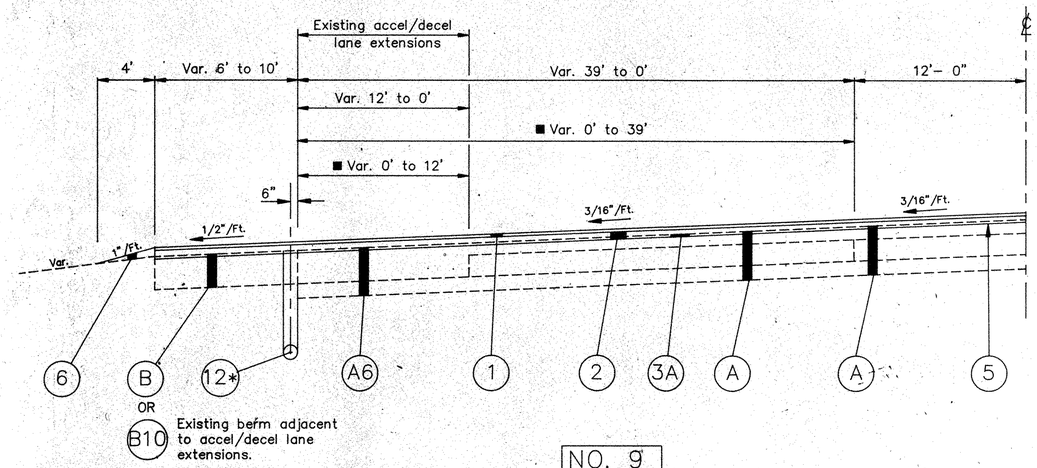
◊ I.R.-75 & Bellefontaine St.
Ramp "C": Sta. 328+18.99 to Sta. 332+01.73 = 382.74 Lin. Ft.



NO. 8

NORMAL SECTION
LIMITING STATIONS

I.R.-75 & Bellefontaine St.
Ramp "A": Sta. 329+46.55 to Sta. 331+90.00 = 243.45 Lin. Ft.



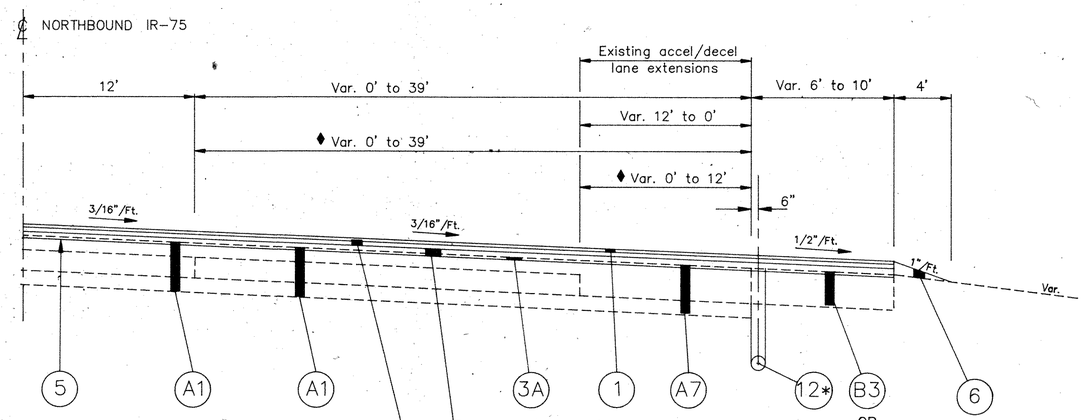
OR
B10 Existing berm adjacent to accel/decel lane extensions.

NO. 9

NORMAL SECTION
LIMITING STATIONS

I.R.-75 & Bellefontaine St.
Ramp "D": Sta. 344+42.58 to Sta. 352+87.00 = 844.42 Lin. Ft.
I.R.-75 & S.R.-67
■ Ramp "D": Sta. 407+80.00 to Sta. 420+97.07 = 1317.07 Lin. Ft.
Ramp "C": Sta. 434+06.00 to Sta. 443+49.00 = 943.00 Lin. Ft.
I.R.-75 & West Rest Area
Truck Ramp: Sta. 495+31.57 to Sta. 503+31.57 = 800.00 Lin. Ft.
I.R.-75 & National Road
■ Ramp "A": Sta. 678+75.00 to Sta. 691+78.21 = 1303.21 Lin. Ft.
Ramp "B": Sta. 704+62.00 to Sta. 708+84.08 = 422.08 Lin. Ft.
Sta. 0+00.00 to Sta. 1+50.00 = 150.00 Lin. Ft.
TOTAL = 5779.78 Lin. Ft.

* FOR ACTUAL UNDERDRAIN LOCATIONS AND QUANTITIES SEE RESPECTIVE PLAN SHEETS AND UNDERDRAIN QUANTITY TABLES



OR
B11 Existing berm adjacent to accel/decel lane extensions.

NO. 10

NORMAL SECTION
LIMITING STATIONS

Sta. 0+00 To Sta. 1+50 @ N.B. Lanes Pavement Courses Vary As Shown On Pavement Transition Detail "B"

I.R.-75 & Bellefontaine St.
Ramp "B": Sta. 344+37.63 to Sta. 357+60.00 = 1322.37 Lin. Ft.
I.R.-75 & S.R.-67
♦ Ramp "B": Sta. 416+15.00 to Sta. 424+56.50 = 841.50 Lin. Ft.
Ramp "A": Sta. 434+06.00 to Sta. 441+63.00 = 757.00 Lin. Ft.
I.R.-75 & East Rest Area
♦ Truck Ramp: Sta. 463+50.00 to Sta. 471+50.00 = 800.00 Lin. Ft.
I.R.-75 & National Road
Ramp "D": Sta. 705+67.00 to Sta. 708+84.08 = 317.08 Lin. Ft.
Sta. 0+00.00 to Sta. 1+50.00 = SEE TRANSITION DETAIL "B"
TOTAL = 4037.95 Lin. Ft.

FOR PAVEMENT LEGEND SEE TYPICAL SECTION SHEET NO. 8

A:AU75TS5 19920130

IR-75 TYPICAL SECTIONS

FHWA REGION	STATE	PROJECT	
5	OHIO		

8
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00

IR–75 TYPICAL SECTIONS

TYPE 446

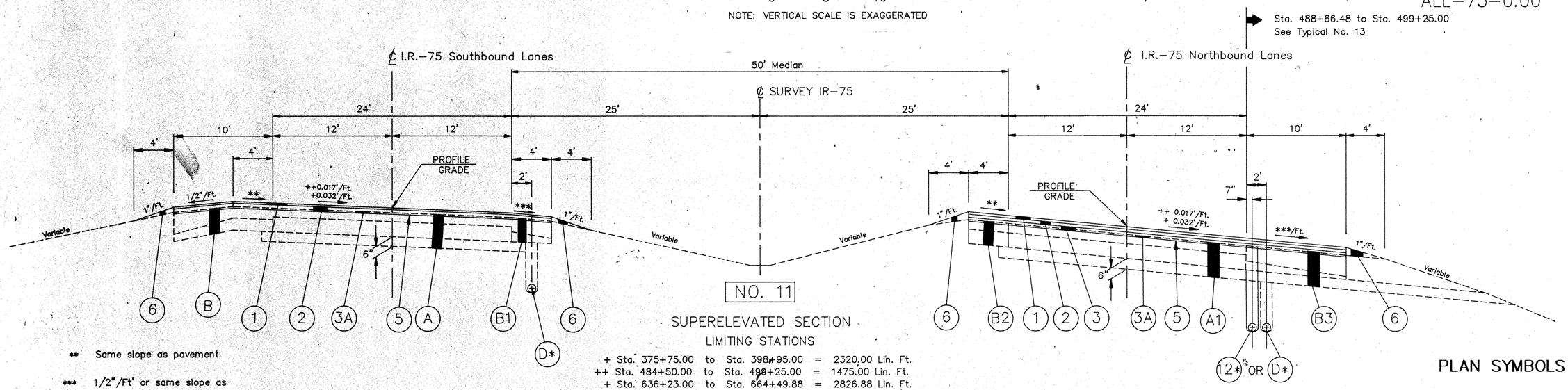
Scale in Feet

0 5 10

NOTE: VERTICAL SCALE IS EXAGGERATED

* FOR ACTUAL UNDERDRAIN LOCATIONS AND QUANTITIES SEE RESPECTIVE PLAN SHEETS AND UNDERDRAIN QUANTITY TABLES

Sta. 488+66.48 to Sta. 499+25.00
See Typical No. 13



NO. 11

SUPERELEVATED SECTION

LIMITING STATIONS

+ Sta. 375+75.00 to Sta. 398+95.00 = 2320.00 Lin. Ft.
++ Sta. 484+50.00 to Sta. 498+25.00 = 1475.00 Lin. Ft.
+ Sta. 636+23.00 to Sta. 664+49.88 = 2826.88 Lin. Ft.
Station Equation: Sta. 664+49.88 (Back) = Sta. 660+47.66 (Ahead)
+ Sta. 660+47.66 to Sta. 662+00.00 = 152.34 Lin. Ft.
TOTAL = 6774.22 Lin. Ft.

** Same slope as pavement

*** 1/2"/Ft' or same slope as pavement, whichever is greater

PAVEMENT LEGEND

EXISTING PAVEMENT

(A) 6" Asphalt Concrete on 9" Reinforced Concrete Pavement on 3" to 9" Subbase

(A1) 4" Asphalt Concrete on 9" Reinforced Concrete Pavement on 3" to 9" Subbase

(A2) 3 1/2" Asphalt Concrete on 9" Reinforced Concrete Pavement on 6" Subbase

(A3) 4 1/2" Asphalt Concrete on 9" Reinforced Concrete Pavement on 6" Subbase

(A4) 5" Asphalt Concrete on 9" Reinforced Concrete Pavement on 6" Subbase

(A5) 1 1/2" Asphalt Concrete on 9" Reinforced Concrete Pavement on 6" Subbase

(A6) 6" Asphalt Concrete on 9" Bituminous Aggregate Base on 6" Subbase

(A7) 4" Asphalt Concrete on 9" Bituminous Aggregate Base on 6" Subbase

(A8) 6" Asphalt Concrete on 9" Concrete Base on 6" Subbase

EXISTING BERMS

(B) 9" to 11 1/2" Asphalt Concrete on 3" to 6" Stabilized Crushed Aggregate

(B1) 9" to 11" Asphalt Concrete on 3" to 6" Stabilized Crushed Aggregate

(B2) 7" to 9" Asphalt Concrete on 3" to 6" Stabilized Crushed Aggregate

(B3) 7" to 9 1/2" Asphalt Concrete on 6" to 3" Stabilized Crushed Aggregate

EXISTING BERMS

(B4) 8" to 10 1/2" Asphalt Concrete on 6" to 3" Stabilized Crushed Aggregate on 6" Subbase

(B5) 8" to 10" Asphalt Concrete on 6" to 3" Stabilized Crushed Aggregate

(B6) 6 1/2" to 7 1/4" Asphalt Concrete on 3" to 6" Stabilized Crushed Aggregate

(B7) 7" Asphalt Concrete on 6" Stabilized Crushed Aggregate on 6" Subbase

(B8) 7 1/2" Asphalt Concrete on 6" Stabilized Crushed Aggregate on 6" Subbase

(B9) 8" Asphalt Concrete on 9" to 6" Stabilized Crushed Aggregate on 6" to 9" Subbase

(B10) 6" Asphalt Concrete on 9" Bituminous Aggregate Base

(B11) 4" Asphalt Concrete on 9" Bituminous Aggregate Base

(B12) 9" Asphalt Concrete on 6" Aggregate Base on 3" to 9" Subbase

(B13) 9" Asphalt Concrete on 3" to 6" Stabilized Crushed Aggregate

(C) Existing Concrete Median

(D) Existing 6" Pipe Underdrain
See Respective plan sheets for actual underdrain locations

(E) Existing Type 2A Concrete Curb

(1)	ITEM 446	1 1/4" Asphalt Concrete, Surface Course, Type 1, AC–20
(2)	ITEM 446	1 3/4" Asphalt Concrete, Intermediate Course, Type 2, AC–20
(3)	ITEM 446	2" Asphalt Concrete, Intermediate Course, Type 2, AC–20
(3A)	ITEM 254	1/2" Pavement Planing, Bituminous
(4)	ITEM 448	0" MIN. Asphalt Concrete, Intermediate Course, Type 2, AC–20 (1/2" of material used for plan calculations to be used as directed by Engineer)
(5)	ITEM 407	Tack Coat
(6)	ITEM 617	Compacted Aggregate, Type A
(6A)	ITEM 617	4" Compacted Aggregate, Type A
(7)	ITEM 606	Guardrail, Type 5, or Type 5A See Respective Plan Sheets for Actual Guardrail Locations
(8)	ITEM 305	10" Concrete Base, As Per Plan
(9)	ITEM 310	6" Subbase, Type 1, Grading A
(10)	Longitudinal	Joint, (SEE STD. CONST. DWG. BP–3)
(11)	ITEM 310	Subbase, Type 1, Grading A, See Respective Typical Sections for Dimensions
(12)	ITEM 605	6" Shallow Pipe Underdrain
(13)	ITEM 305	9" Concrete Base, As Per Plan
(14)	ITEM 659	Seeding and Mulching
(15)	ITEM 203	Embankment
(16)	ITEM 304	4" Aggregate Base
(17)	ITEM 408	Bituminous Prime Coat, AC–20, Applied at the Rate of 0.40 Gal. Per Square Yard
(18)	ITEM 304	8" Aggregate Base
(19)	ITEM 310	8" Subbase, Type 1, Grading A
(20)	ITEM 301	Bituminous Aggregate Base, AC–20 See Respective typical sections for course dimensions.
(21)	ITEM 622	Concrete Barrier, Type A–50, As Per Plan (SEE SHEET NO. 59)
(22)	ITEM 622	Concrete Barrier, Type C–50, As Per Plan (SEE SHEET NO. 59)
(23)	ITEM 301	5 1/2" Bituminous Aggregate Base, AC–20
(24)	ITEM 301	3 1/2" Bituminous Aggregate Base, AC–20
(25)	ITEM 203	Subgrade Compaction
(26)	ITEM 304	6" Aggregate Base
(27)	ITEM 611	Reinforced Concrete Approach Slab, T=13"
(28)	Type D (Drilled Tied Longitudinal) Joint (SEE SHEET NO. 60)	

PLAN SYMBOLS

PAVEMENT TRANSITION AREAS:
See respective plan sheets and pavement transition detail sheets for specific transition details and dimensions.

RIGID PAVEMENT REMOVAL:
Existing 9" reinforced concrete pavement to be removed

RESIDENCE DRIVE AND MAILBOX APPROACH PAVEMENT:
2" Item 404 Asphalt Concrete AC–20 (Driveways) on Item 408 Bituminous Prime Coat applied at the rate of 0.40 gallon per square yard on Item 304 6" Aggregate Base

FIELD DRIVE PAVEMENT:
6" Item 304 Aggregate Base

PAVEMENT PLANING AREAS:
See respective plan sheets and pavement planing detail sheets for specific planing details and dimensions

PRESSURE RELIEF JOINT, TYPE C:
See Std. Dwg. BP–11 and respective plan sheets for joint details and locations.

PROPOSED MEDIAN CROSSOVER
1 1/4" Item 446 Asphalt Concrete, Surface Course, Type 1, AC–20 on 1 3/4" Item 446 Asphalt Concrete, Intermediate Course, Type 2, AC–20 on 3" Item 301 Bituminous Aggregate Base, AC–20, on 6" Item 310 Subbase, Type 1, Grading on Item 203 Subgrade Compaction

IR-75 REST AREA TYPICAL SECTIONS

TYPE 446

Scale in Feet

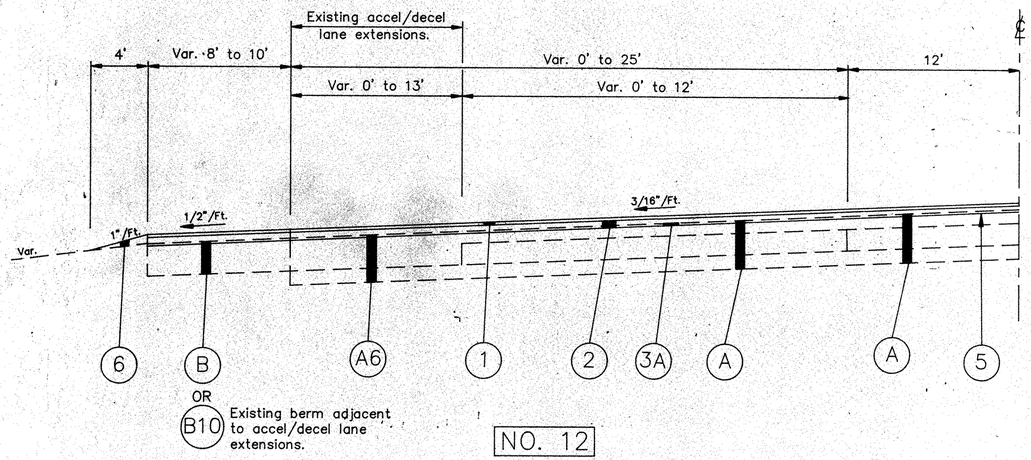
0 5 10

NOTE: VERTICAL SCALE IS EXAGGERATED

FHWA REGION	STATE	PROJECT	
5	OHIO		

9
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

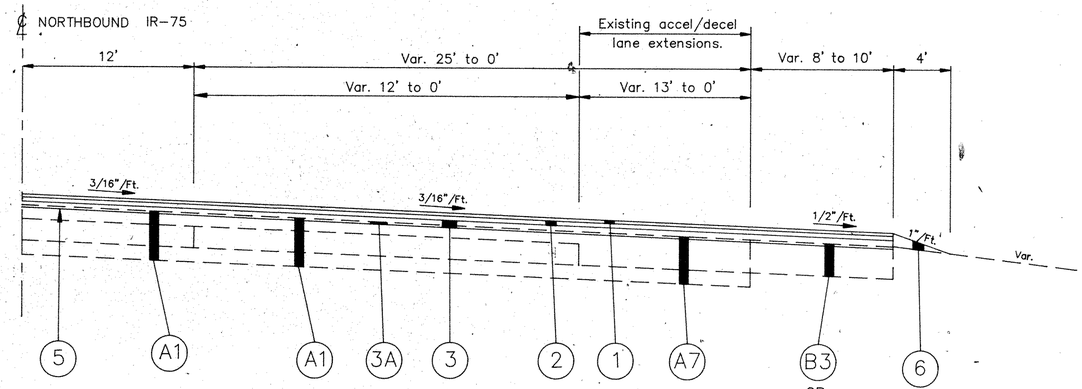


Existing berm adjacent to accel/decel lane extensions.

NO. 12

NORMAL SECTION
LIMITING STATIONS

I.R.-75 & West Rest Area
Truck Ramp: Sta. 463+00.00 to Sta. 475+00.00 = 1200.00 Lin. Ft.

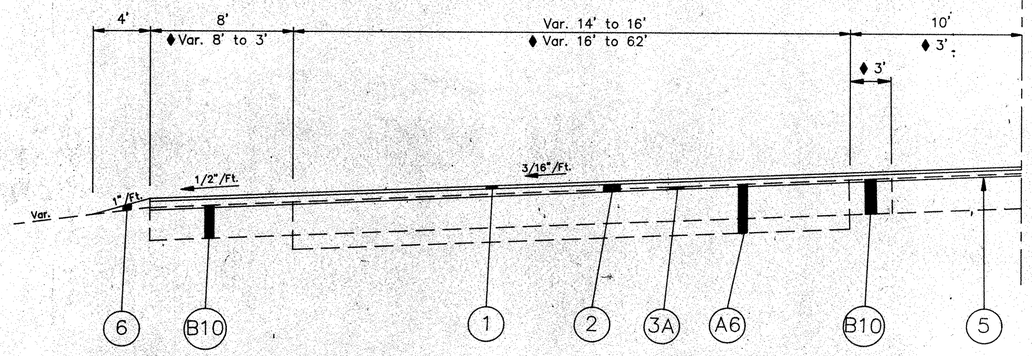


Existing berm adjacent to accel/decel lane extensions.

NO. 13

NORMAL SECTION
LIMITING STATIONS

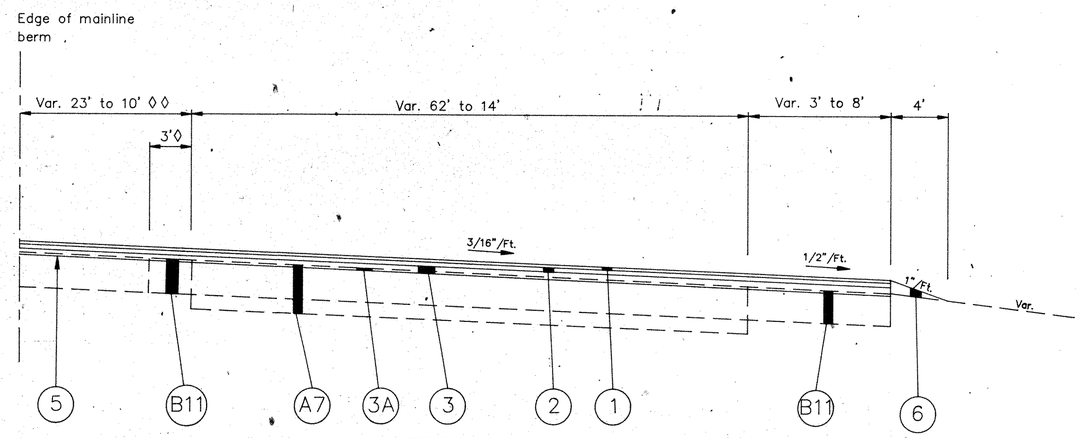
I.R.-75 & East Rest Area
Truck Ramp: 493+50.00 to Sta. 505+50.00 = 1200.00 Lin. Ft.



NO. 14

NORMAL SECTION
LIMITING STATIONS

West Rest Area
Truck Ramp: Sta. 0+00.00 to Sta. 3+00.00 = 300.00 Lin. Ft.
♦ Sta. 3+00.00 to Sta. 5+72.51 = 272.51 Lin. Ft.



NO. 15

NORMAL SECTION
LIMITING STATIONS

East Rest Area
Truck Ramp: ◊ Sta. 36+94.00 to Sta. 37+50.00 = 56.00 Lin. Ft.
◊◊ Sta. 37+50.00 to Sta. 42+64.34 = 514.34 Lin. Ft.

FOR PAVEMENT LEGEND SEE TYPICAL SECTION SHEET NO. 8

A:AU75TS6 19920130

IR-75 TYPICAL SECTIONS

TYPE 446

FHWA REGION	STATE	PROJECT	
5	OHIO		

10
231

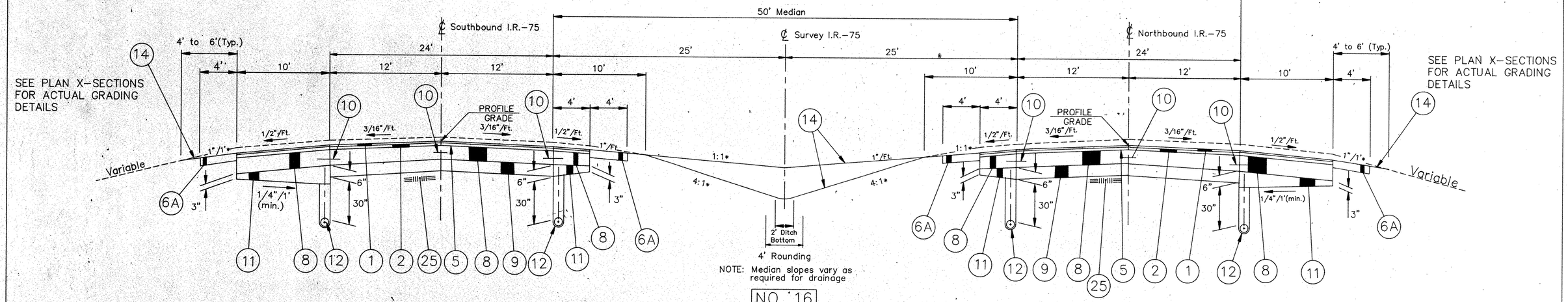
AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

Scale in Feet
0 5 10

NOTE: VERTICAL SCALE IS EXAGGERATED

Sta. 429+03.81 to Sta. 434+06.00
See Typical Section No. 17

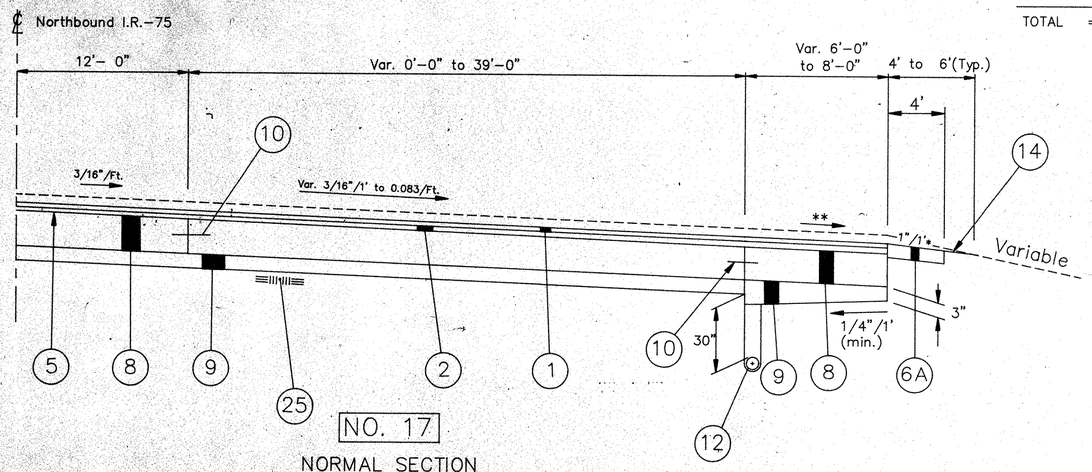
Sta. 694+44.00 to Sta. 701+32.00
See Typical Section No. 17



NO. 16

LIMITING STATIONS

Sta. 427+40.00	to	Sta. 434+06.00	=	666.00 Lin. Ft.
Sta. 694+44.00	to	Sta. 701+54.00	=	710.00 Lin. Ft.
		TOTAL	=	1376.00 Lin. Ft.



NO. 17

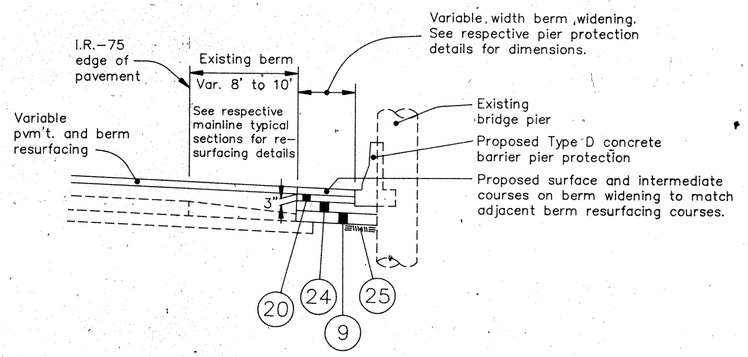
NORMAL SECTION
LIMITING STATIONS

I.R.-75 & S.R.-67
Ramp "A": Sta. 429+03.81 to Sta. 434+06.00 = 502.19 Lin. Ft.

I.R.-75 & National Road
Ramp "C": Sta. 694+44.00 to Sta. 701+32.00 = 688.00 Lin. Ft.
Total = 1190.19 Lin. Ft.

* Unless Otherwise shown on Cross Sections

** 1/2"/Ft. or some slope as pavement whichever is greater



I.R.-75 BERM WIDENING DETAIL ADJACENT TO CONCRETE BARRIER PIER PROTECTION

AUG-75-0545 AUG-75-0876 AUG-75-1047

FOR PAVEMENT LEGEND SEE TYPICAL SECTION SHEET NO.8

A:AU75TS3 19920131

IR-75 TYPICAL SECTIONS

TYPE 446

Scale in Feet

0 5 10

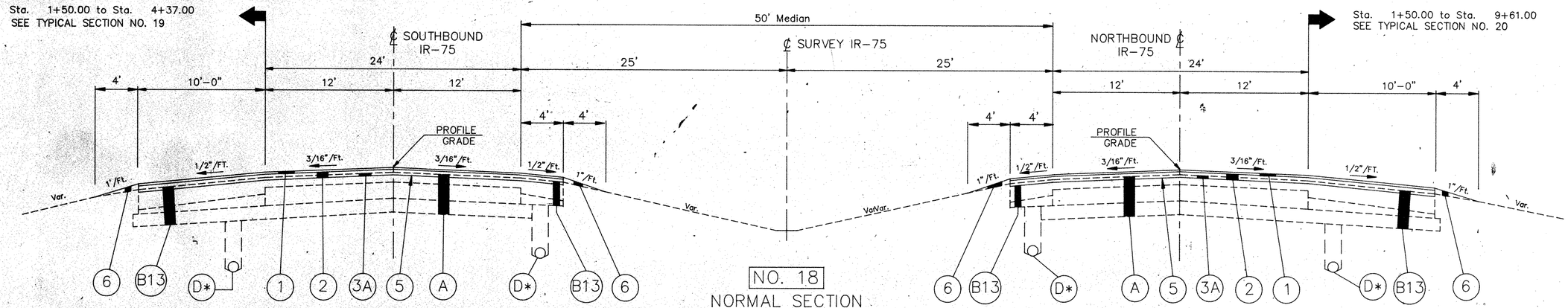
NOTE: VERTICAL SCALE IS EXAGGERATED

FHWA REGION	STATE	PROJECT	
5	OHIO		

11
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

Sta. 1+50.00 to Sta. 4+37.00
SEE TYPICAL SECTION NO. 19

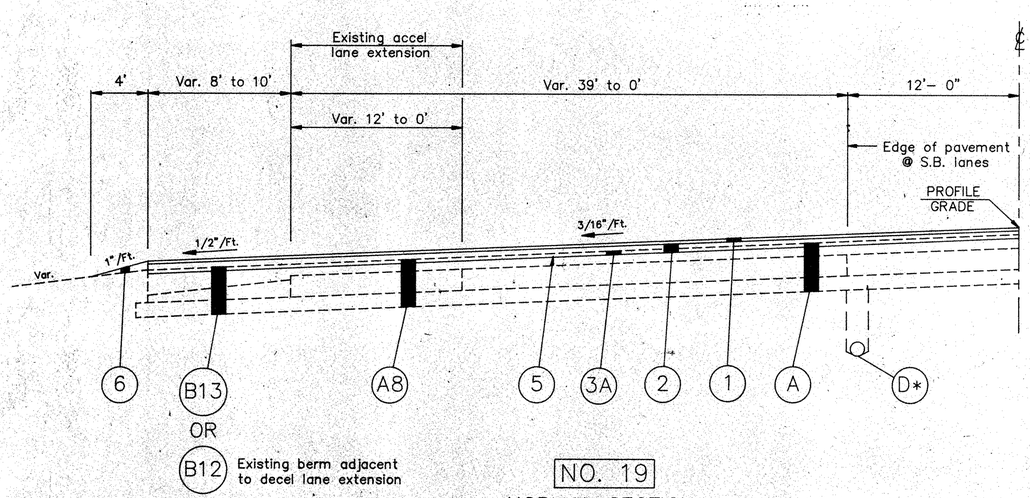


Sta. 1+50.00 to Sta. 9+61.00
SEE TYPICAL SECTION NO. 20

NO. 18

NORMAL SECTION
LIMITING STATIONS

Sta. 1+50.00 to Sta. 9+61.00 = 811.00 Lin. Ft.



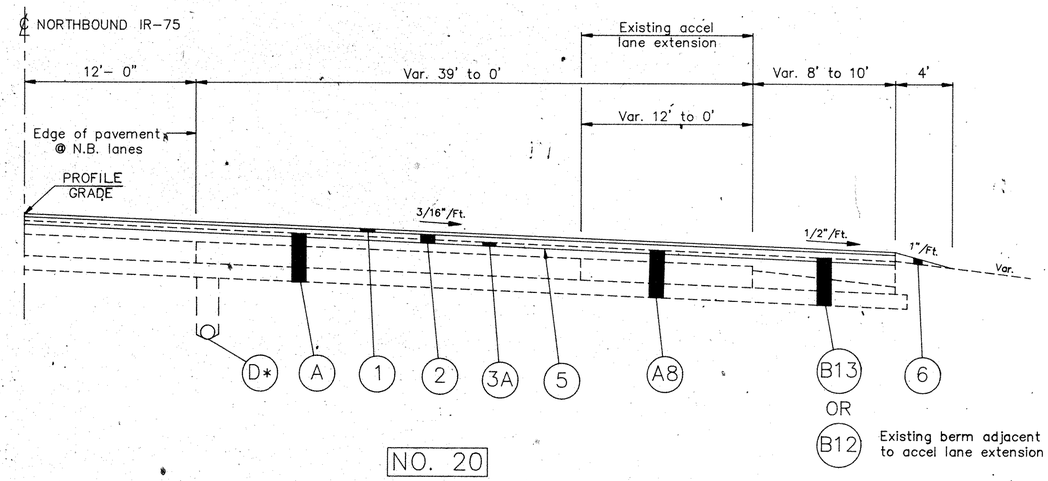
Existing berm adjacent to decel lane extension

NO. 19

NORMAL SECTION
LIMITING STATIONS

I.R.-75 & National Road:
Ramp "B": Sta. 1+50.00 to Sta. 4+37± = 287.00 Lin. Ft.

* FOR ACTUAL UNDERDRAIN LOCATIONS SEE RESPECTIVE PLAN SHEETS



Existing berm adjacent to accel lane extension

NO. 20

NORMAL SECTION
LIMITING STATIONS

I.R.-75 & National Road:
Ramp "D": Sta. 1+50.00 to Sta. 9+61± = 811.00 Lin. Ft.

FOR PAVEMENT LEGEND SEE TYPICAL SECTION SHEET NO. 8

A:AU75TS6A 19920130

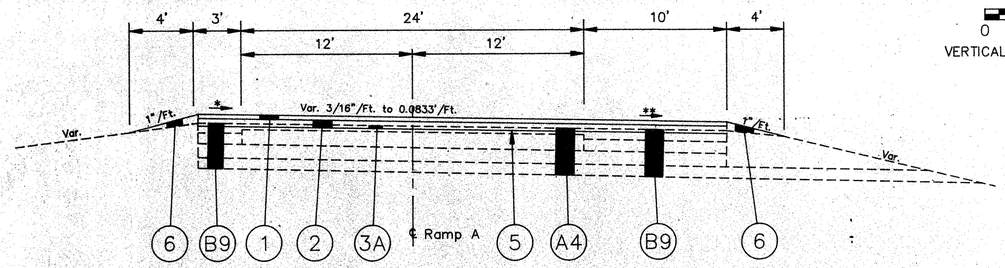
RAMP TYPICAL SECTIONS I.R.–75 & U.S.R.–33 INTERCHANGE

FHWA REGION	STATE	PROJECT	
5	OHIO		

12
231

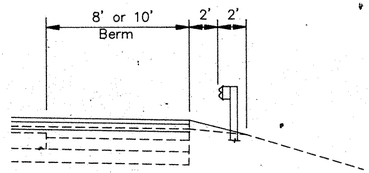
AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00

Scale in Feet
0 5 10
VERTICAL SCALE IS EXAGGERATED



NO.21

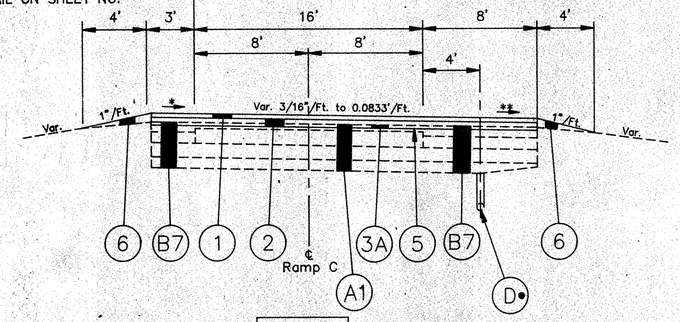
LIMITING STATIONS



TYPICAL GUARDRAIL SECTION

Ramp "A"
Sta. 6+95.5 to Sta. 16+42.34 = 946.84 Lin. Ft.

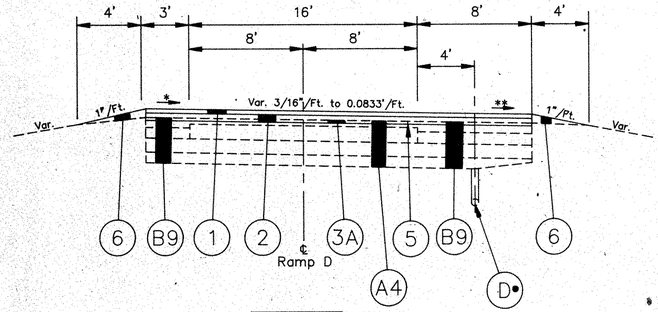
Sta. 7+74.5 to Sta. 10+26.5
SEE RAMP G PAVEMENT
DETAIL ON SHEET NO.



NO.22

LIMITING STATIONS

Ramp "C"
Sta. 4+71.4 to Sta. 14+04.50 = 933.10 Lin. Ft.

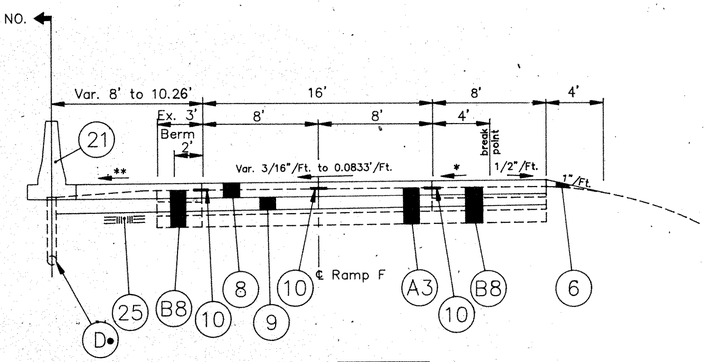


NO.23

LIMITING STATIONS

Ramp "D"
Sta. 3+71.50 to Sta. 5+79.76 = 208.26 Lin. Ft.
Sta. 9+00.00 to Sta. 11+92.64 = 292.64 Lin. Ft.
Total = 500.90 Lin Ft.

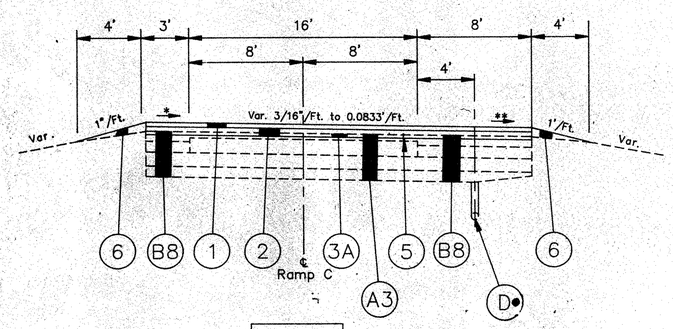
SEE RAMP D
TYPICAL SECTION NO.



NO.24

LIMITING STATIONS

Ramp "F"
Sta. 13+00.00 to Sta. 15+33.36 = 233.36 Lin. Ft.



NO.25

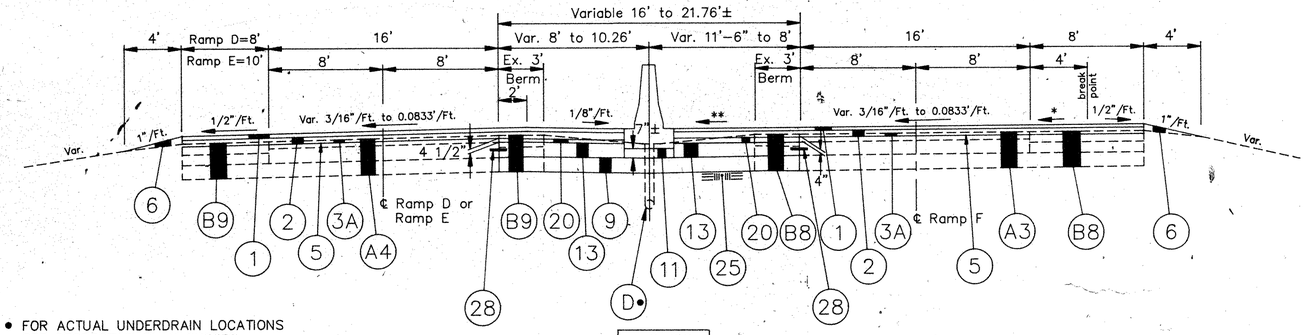
LIMITING STATIONS

Ramp "F"
Sta. 4+50.00 to Sta. 9+20.00 = 470.00 Lin. Ft.
Sta. 9+20.00 to Sta. 10+20.00 = 100.00 Lin. Ft.

Ramp "G"
Sta. 3+36.5 to Sta. 4+89.52 = 153.02 Lin. Ft.

* Same slope as pavement

** 1/2"/Ft. or same as pavement whichever is greater



• FOR ACTUAL UNDERDRAIN LOCATIONS SEE RESPECTIVE PLAN SHEETS

NO.26

LIMITING STATIONS

Ramp "D"
Sta. 5+79.76 to Sta. 9+00.00 = 320.24 Lin. Ft.

Ramp "E"
Sta. 1+48.5 to Sta. 3+26.68 = 178.18 Lin. Ft.

Ramp "F"
Sta. 10+20.00 to Sta. 13+00.00 = 280.00 Lin. Ft.

FOR PAVEMENT LEGEND SEE TYPICAL SECTION SHEET NO. 8

FHWA REGION	STATE	PROJECT	
5	OHIO		

13
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00

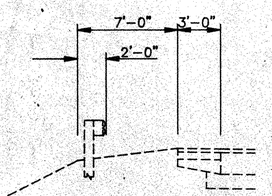
TYPICAL SECTIONS

RAMP TYPICAL SECTIONS BELLEFONTAINE STREET & I.R.–75

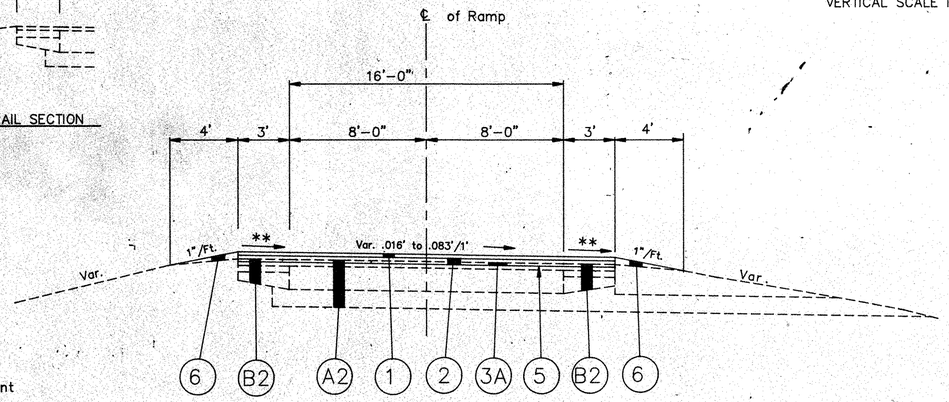
Scale in Feet

0 5 10

VERTICAL SCALE IS EXAGGERATED



TYPICAL GUARDRAIL SECTION



* Same slope as pavement

** 1/2"/Ft. or same slope as pavement whichever is greater

NO. 27

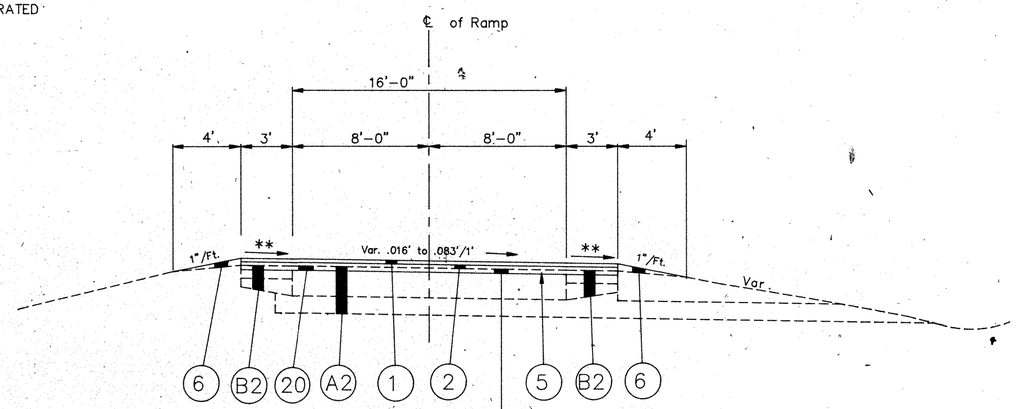
LIMITING STATIONS

Ramp "A":
Sta. 4+38.00 to Sta. 6+17.98 = 179.98 Lin. Ft.

Ramp "B":
Sta. 3+91.54 to Sta. 5+30.00 = 138.46 Lin. Ft.
Sta. 9+95.41 to Sta. 13+04.95 = 309.54 Lin. Ft.

Ramp "C":
Sta. 3+91.54 to Sta. 4+89.00 = 97.46 Lin Ft.
Sta. 10+00.00 to Sta. 14+23.70 = 423.70 Lin. Ft.

Ramp "D":
Sta. 3+92.48 to Sta. 6+17.98 = 225.00 Lin. Ft.



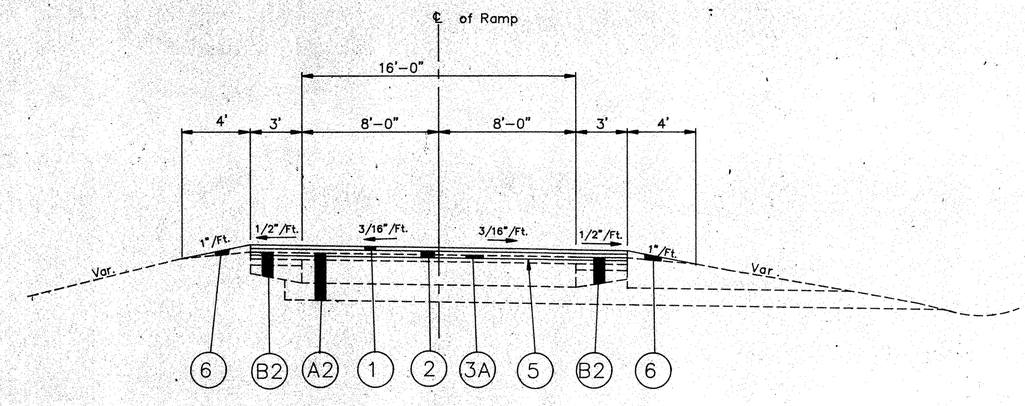
ITEM 254 PAVEMENT PLANING, BITUMINOUS
NOTE: THIS PLANING SHALL REMOVE ALL BITUMINOUS MATERIAL DOWN TO EXISTING CONCRETE.

NO. 27A

LIMITING STATIONS

Ramp "C":
Sta. 4+89.00 to Sta. 5+30.00 = 41.00 Lin Ft.

NOTE: FOR FURTHER DETAILS ON RAMPS B & C TURNOUTS SEE SHEET NO. 138A



NO. 28

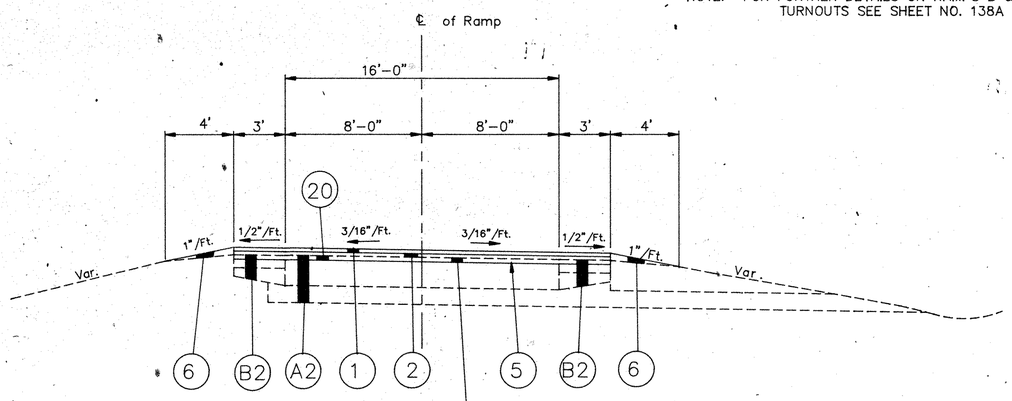
LIMITING STATIONS

Ramp "A":
Sta. 6+17.98 to Sta. 8+39.69 = 221.71 Lin. Ft.

Ramp "B":
Sta. 5+30.00 to Sta. 9+95.41 = 465.41 Lin. Ft.

Ramp "C":
Sta. 6+50.00 to Sta. 10+00.00 = 350.00 Lin Ft.

Ramp "D":
Sta. 6+17.98 to Sta. 8+39.69 = 221.71 Lin. Ft.



ITEM 254 PAVEMENT PLANING, BITUMINOUS
NOTE: THIS PLANING SHALL REMOVE ALL BITUMINOUS MATERIAL DOWN TO EXISTING CONCRETE.

NO. 28A

LIMITING STATIONS

Ramp "C":
Sta. 5+30.00 to Sta. 6+50.00 = 120.00 Lin Ft.

FOR PAVEMENT LEGEND SEE TYPICAL SECTION SHEET NO. 8

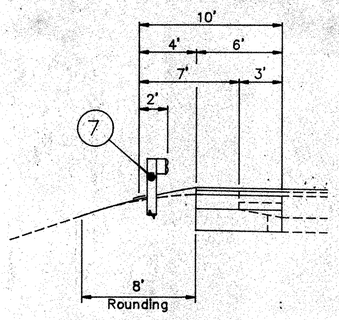
A:AU75TS7 19920204

RAMP TYPICAL SECTIONS S.R.–67 & I.R.–75 INTERCHANGE

FHWA REGION	STATE	PROJECT	
5	OHIO		

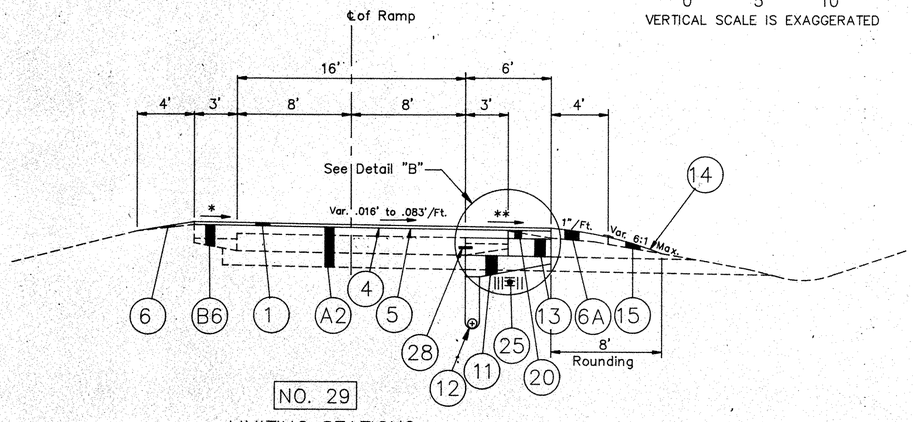
14
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00



TYPICAL GUARDRAIL SECTION

Scale in Feet
0 5 10
VERTICAL SCALE IS EXAGGERATED



NO. 29

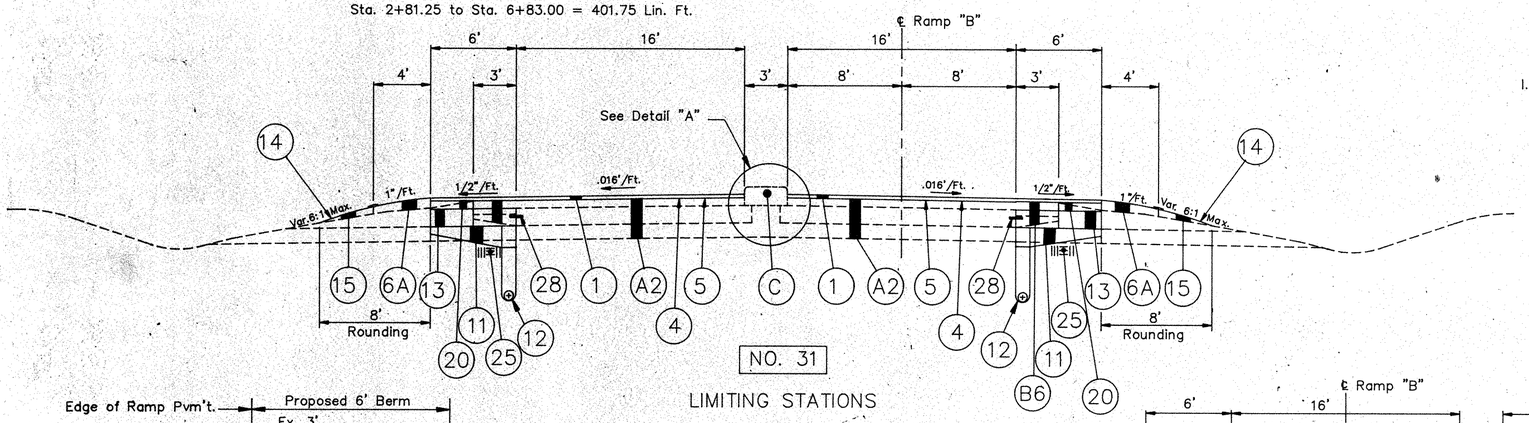
LIMITING STATIONS

RAMP "A":
S.R.–67 Sta. 121+47.2± to Sta.1+66.84 = 230.01 Lin. Ft.
(Berm Replacement Area)
Sta. 1+66.84 to Sta. 3+89.00 = 222.16 Lin. Ft.
Sta. 11+66.00 to Sta. 14+00.0 = 234.00 Lin. Ft.

RAMP "B":
Sta. 2+81.25 to Sta. 6+83.00 = 401.75 Lin. Ft.

RAMP "C":
Sta. 1+75.00 to Sta. 14+94.75 = 1319.75 Lin. Ft. (Opposite Hand)

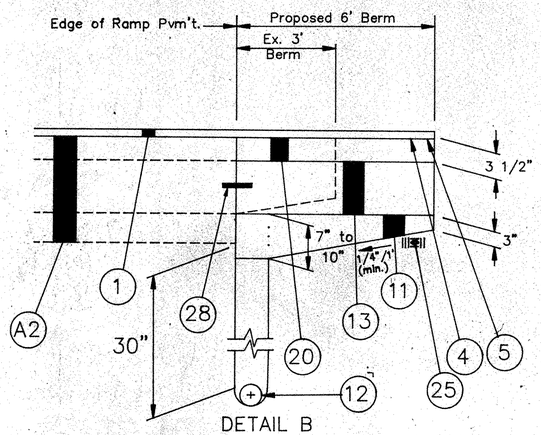
RAMP "D":
Sta. 3+53.24 to Sta. 7+56.43 = 403.19 Lin. Ft. (Opposite Hand)



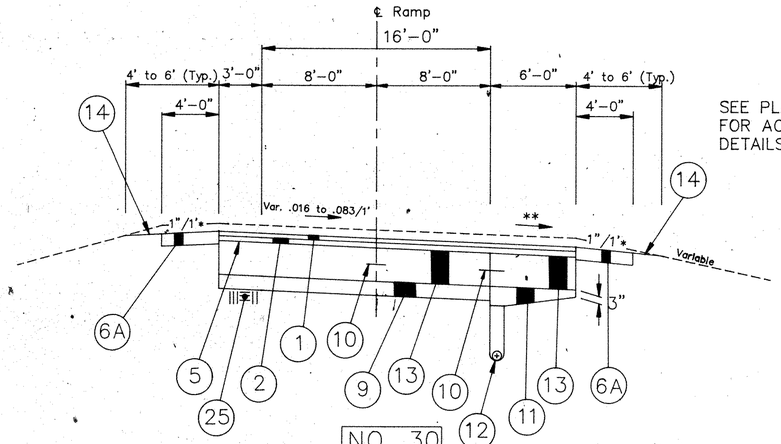
NO. 31

LIMITING STATIONS

RAMP "B":
Sta. 15+02.00 to Sta. 16+33.36 = 131.36 Lin. Ft.



DETAIL B
PAVED SHOULDER REPLACEMENT DETAIL



NO. 30

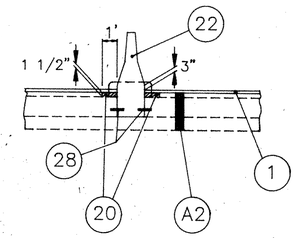
SUPERELEVATED SECTION
LIMITING STATIONS

SEE PLAN X–SECTIONS FOR ACTUAL GRADING DETAILS

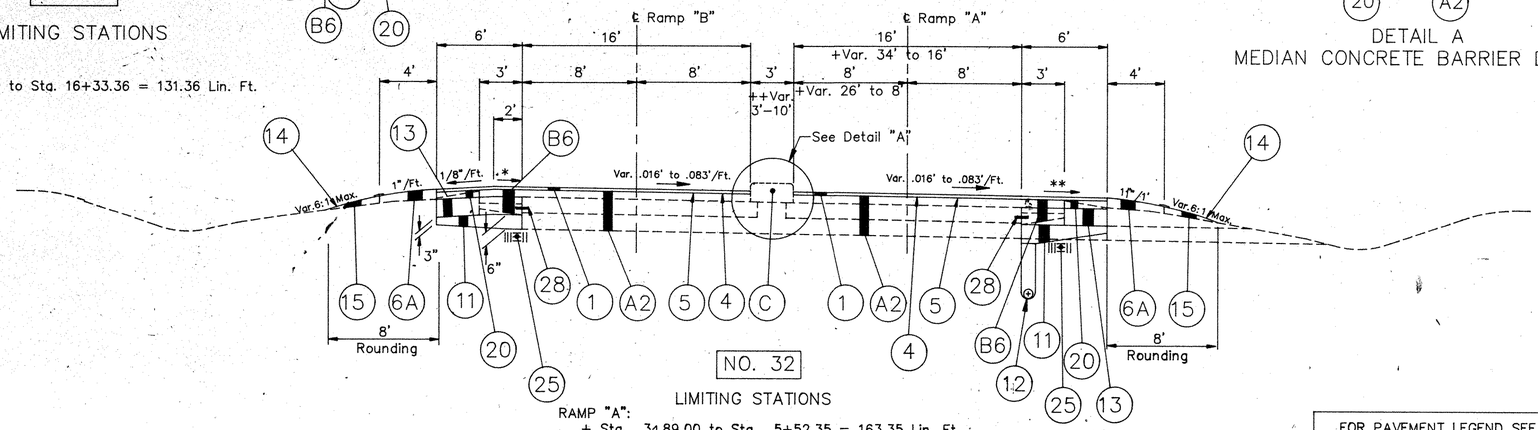
I.R.–75 & S.R.–67
Ramp "A": Sta. 14+00.00 to Sta. 15+62.37 = 162.37 Lin. Ft.

* Same slope as pavement

** 1/2"/Ft. or same slope as pavement whichever is greater



DETAIL A
MEDIAN CONCRETE BARRIER DETAIL



NO. 32

LIMITING STATIONS

RAMP "A":
\+ Sta. 3+89.00 to Sta. 5+52.35 = 163.35 Lin. Ft.
Sta. 5+52.35 to Sta. 10+29.14 = 476.79 Lin. Ft.
++ Sta. 10+29.14 to Sta. 11+66.00 = 136.86 Lin. Ft.

FOR PAVEMENT LEGEND SEE TYPICAL SECTION SHEET NO. 8

A:AU75TS8 19920204

RAMP TYPICAL SECTIONS S.R.–67 & I.R.–75 INTERCHANGE

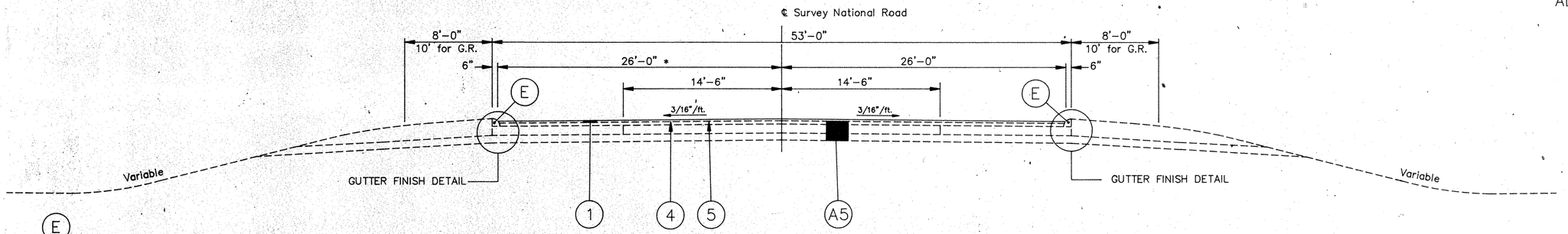
FHWA REGION	STATE	PROJECT	
5	OHIO		

15/231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

TYPICAL SECTIONS FOR NATIONAL ROAD

0 5 10



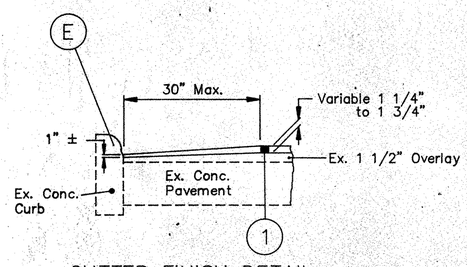
NO.33

NORMAL SECTION

LIMITING STATIONS

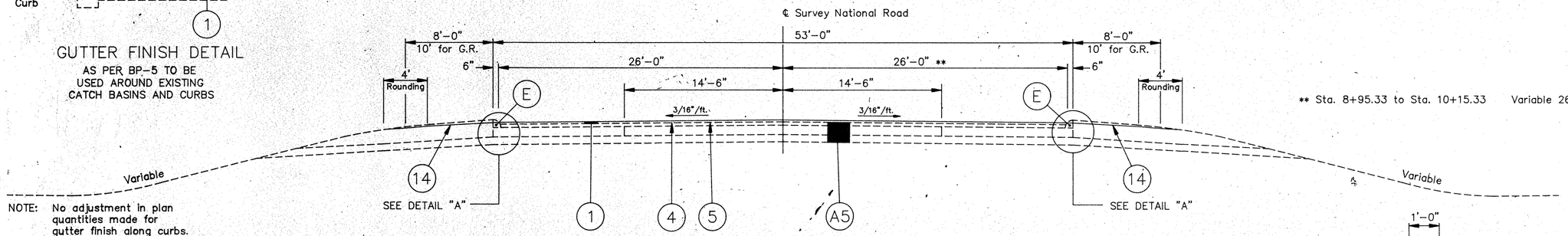
Sta. 4+44.07 to 8+81.78 = 437.71 Lin. Ft.

* Sta. 7+76.94 to Sta. 8+36.89 Variable 26' to 29'
Sta. 8+36.89 to Sta. 8+81.78 29'



GUTTER FINISH DETAIL

AS PER BP-5 TO BE USED AROUND EXISTING CATCH BASINS AND CURBS



NO.34

NORMAL SECTION

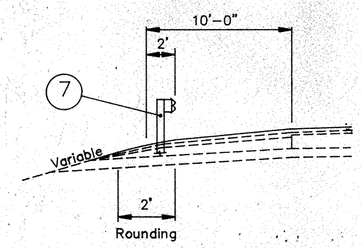
LIMITING STATIONS

Sta. 8+81.78 to Sta. 10+24.3 = 142.52 Lin. Ft.

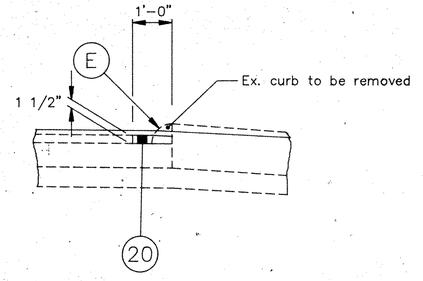
Sta. 10+24.3 to Sta. 12+75.9 = Bridge Limits and Transition

** Sta. 8+95.33 to Sta. 10+15.33 Variable 26' to 20'

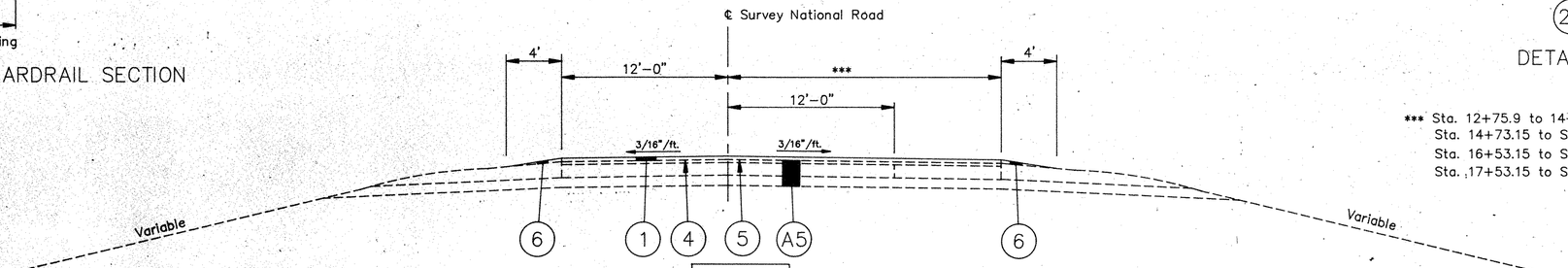
NOTE: No adjustment in plan quantities made for gutter finish along curbs.



TYPICAL GUARDRAIL SECTION



DETAIL "A"



NO.35

NORMAL SECTION

LIMITING STATIONS

Sta. 12+75.9 to Sta. 20+03.15 = 727.25 Lin. Ft.

*** Sta. 12+75.9 to 14+73.15 18'
Sta. 14+73.15 to Sta. 16+53.15 Variable 18' to 24'
Sta. 16+53.15 to Sta. 17+53.15 24'
Sta. 17+53.15 to Sta. 20+03.15 Variable 24' to 12'

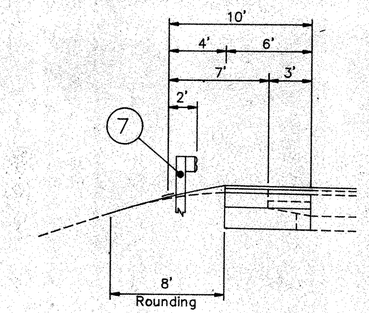
FOR PAVEMENT LEGEND SEE TYPICAL SECTION SHEET NO. 8

A:AU75TS8A 19920204

RAMP TYPICAL SECTIONS NATIONAL ROAD & I.R.–75 INTERCHANGE

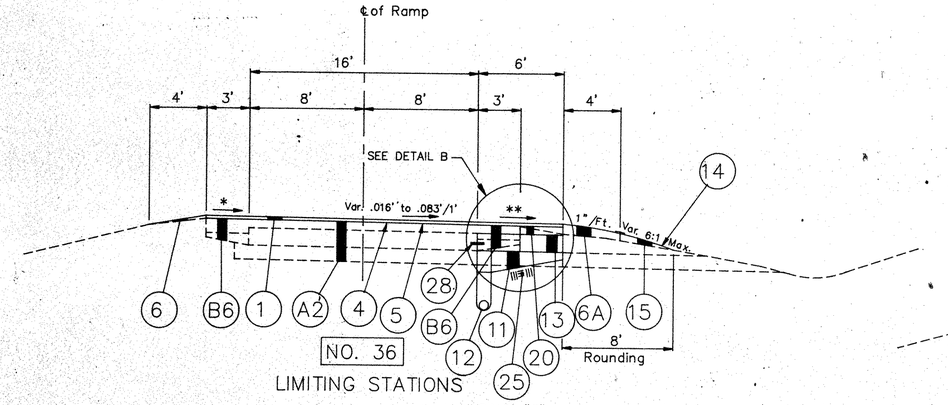
FHWA REGION	STATE	PROJECT		16 / 231
5	OHIO			

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00



TYPICAL GUARDRAIL SECTION

Scale in Feet
0 5 10
VERTICAL SCALE IS EXAGGERATED



NO. 36
LIMITING STATIONS

RAMP "A":
Sta. 3+18.74 to Sta. 8+81.06 = 562.32 Lin. Ft. (Opposite Hand)

RAMP "B":
Sta. 0+75.28 to Sta. 6+97.75 = 622.47 Lin. Ft. (Opposite Hand)

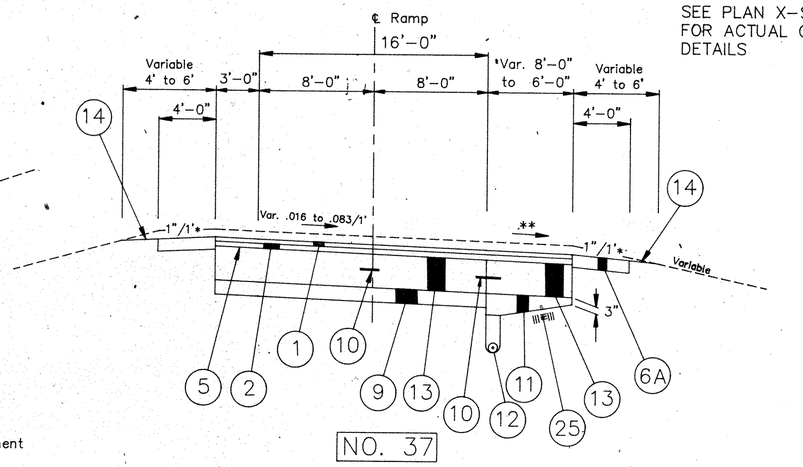
RAMP "C":
Sta. 5+00.00 to Sta. 8+01.15 = 301.15 Lin. Ft.
Sta. 11+26.17 to 13+19.3± = 193.13 Lin. Ft.

RAMP "D":
Sta. 5+30.98 to Sta. 9+75 = 444.02 Lin. Ft.

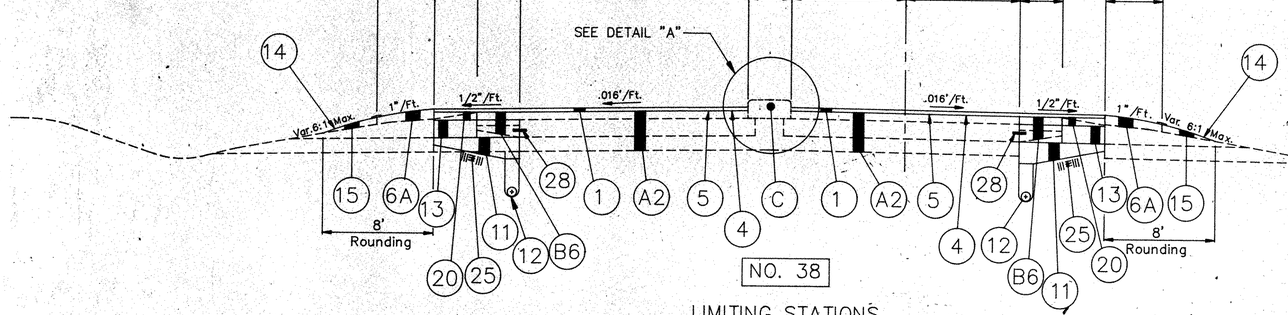
* Same slope as pavement

** 1/2"/Ft. or same slope as pavement whichever is greater

SEE PLAN X–SECTIONS FOR ACTUAL GRADING DETAILS



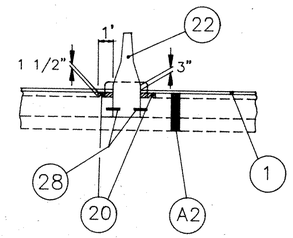
NO. 37
SUPERELEVATED SECTION
LIMITING STATIONS



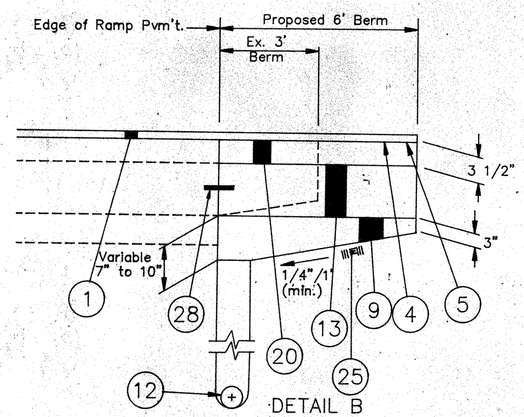
NO. 38
LIMITING STATIONS

RAMP "D":
Sta. 0+27.00 to Sta. 1+83.00 = 156.00 Lin. Ft.

I.R.–75 & National Road
Ramp "C": Sta. 4+21.91 to Sta. 5+00.00 = 78.09 Lin. Ft. (Opposite Hand)



DETAIL A
MEDIAN CONCRETE BARRIER DETAIL



DETAIL B
PAVED SHOULDER REPLACEMENT DETAIL

NO. 39
LIMITING STATIONS

RAMP "C":
* Sta. 8+01.15 to Sta. 9+62.75 = 161.60 Lin. Ft.
** Sta. 9+62.75 to Sta. 11+26.17 = 163.42 Lin. Ft.

FOR PAVEMENT LEGEND SEE TYPICAL SECTION SHEET NO. 8

A:AU75TS9 19920204

RAMP TYPICAL SECTIONS NATIONAL ROAD & I.R.–75 INTERCHANGE

FHWA REGION	STATE	PROJECT	
5	OHIO		

17
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00

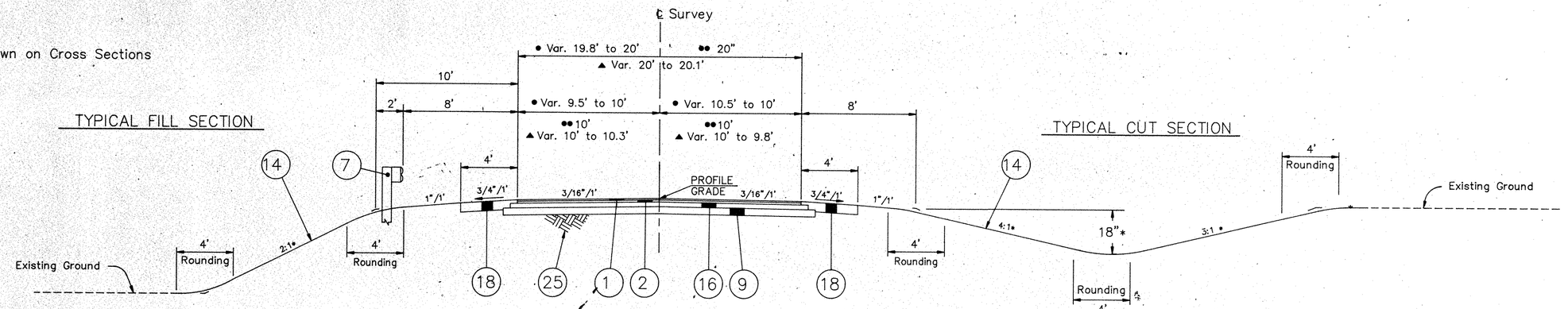
HENGSTLER ROAD TYPICAL SECTIONS

TYPE 446

0 2 4 8
Scale In Feet

* Unless Otherwise Shown on Cross Sections

TYPICAL FILL SECTION



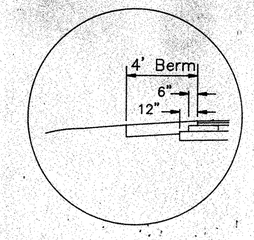
TYPICAL CUT SECTION

TYPICAL SECTION
HENGSTLER ROAD

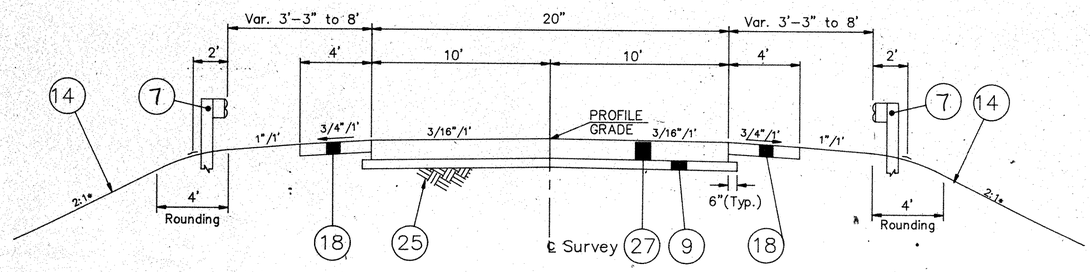
NO.40

LIMITING STATIONS

●	Sta. 7+50.00 to Sta. 8+00.00	=	50.00 Lin.Ft.	
●●	Sta. 8+00.00 to Sta. 13+51.46	=	551.46 Lin.Ft.	
	Sta. 13+51.46 to Sta. 16+48.54	=	{AUG–75–0876 Bridge and Approach Slab Limits}	
●●	Sta. 16+48.54 to Sta. 22+75.00	=	626.46 Lin.Ft.	
▲	Sta. 22+75.00 to Sta. 23+25.00	=	50.00 Lin.Ft.	
		Total =	1277.92 Lin.Ft.	



BASE AND SUBBASE STEP DETAIL



NO.40A

APPROACH SLAB TYPICAL SECTION

Sta. 13+51.46 to Sta. 13+71.46	=	20.00 Lin. Ft.	
Sta. 16+28.54 to Sta. 16+48.54	=	20.00 Lin. Ft.	
TOTAL	=	40.00 Lin. Ft.	

FOR PAVEMENT LEGEND SEE
TYPICAL SECTION SHEET NO. 8

FHWA REGION	STATE	PROJECT	
5	OHIO		

18
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00

IR–75 TYPICAL SECTIONS

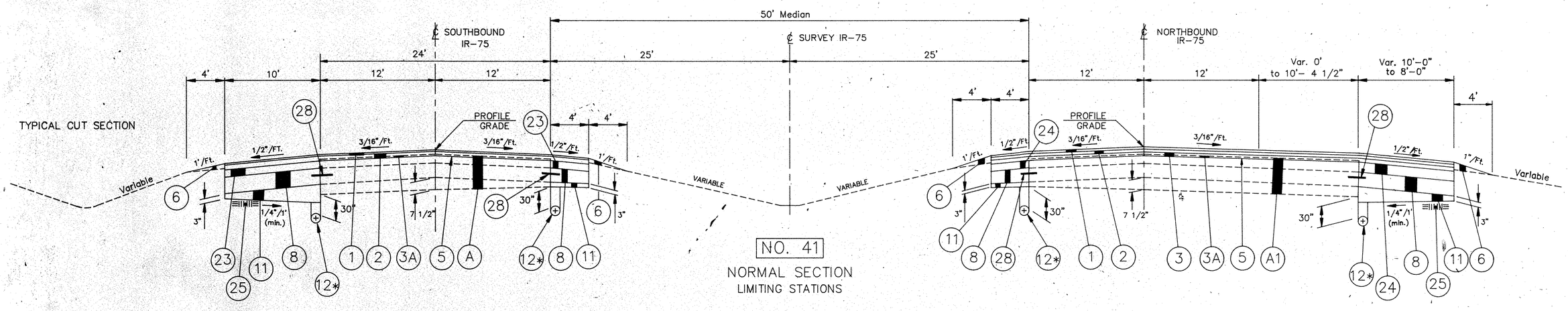
TYPE 446

Scale in Feet
0 5 10

NOTE: VERTICAL SCALE IS EXAGGERATED

* FOR ACTUAL UNDERDRAIN LOCATIONS
SEE RESPECTIVE PLAN SHEETS

TYPICAL CUT SECTION



NO. 41
NORMAL SECTION
LIMITING STATIONS

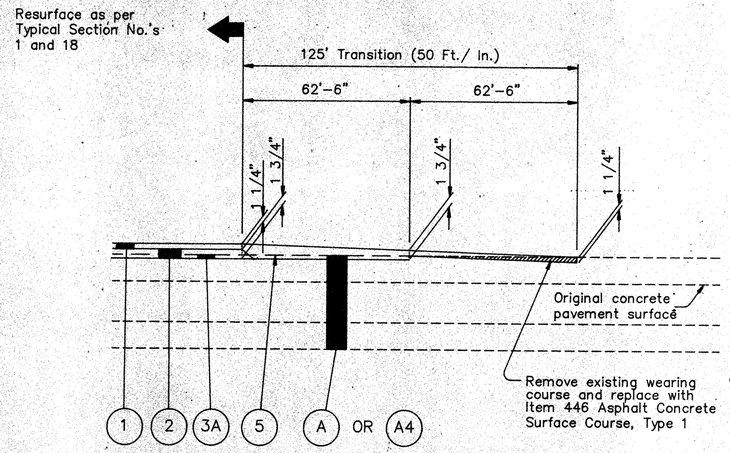
Sta. 693+00.00 to Sta. 694+44.00 = 144.00 Lin. Ft.

FOR PAVEMENT LEGEND SEE
TYPICAL SECTION SHEET NO. 8

FHWA REGION	STATE	PROJECT	
5	OHIO		

19
231

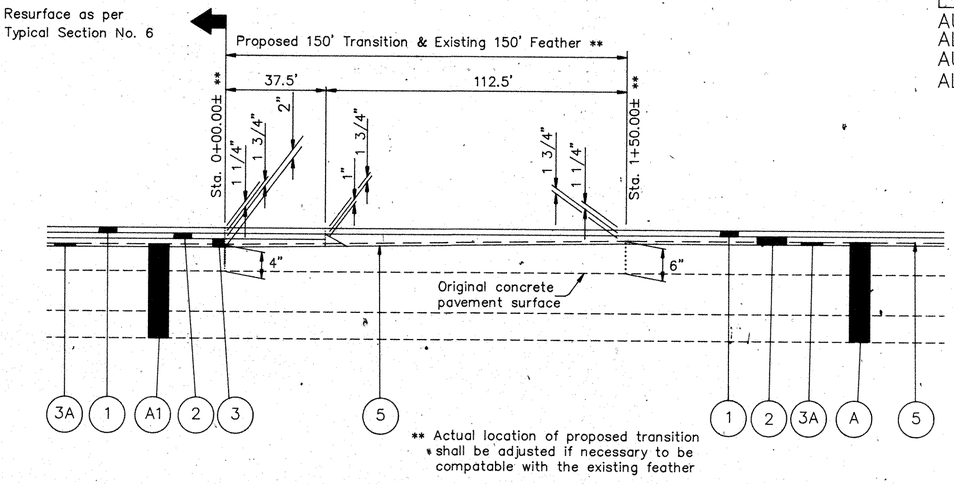
AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00



TRANSITION DETAIL "A"

I.R.–75 NORTHBOUND & SOUTHBOUND MAINLINE TRANSITION

Sta. 290+29.47	to Sta. 291+54.47	=	125.00	Lin. Ft.
Sta. 9+61.00	to Sta. 10+86.00	=	125.00	Lin. Ft.
	Total	=	250.00	Lin. Ft.

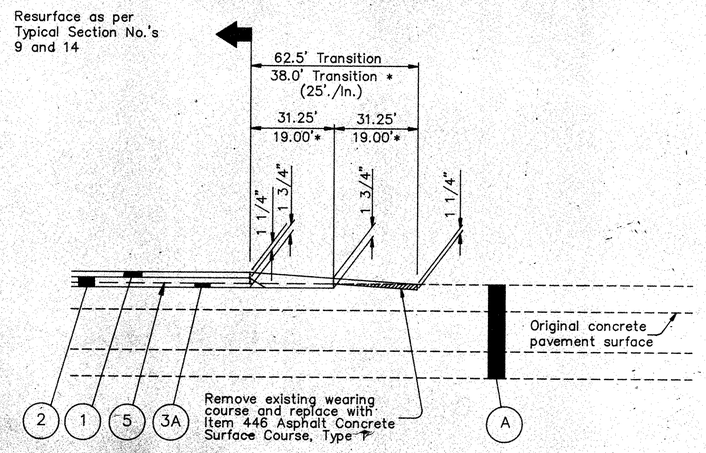


** Actual location of proposed transition shall be adjusted if necessary to be compatable with the existing feather

TRANSITION DETAIL "B"

I.R.–75 NORTHBOUND MAINLINE TRANSITION

** Sta. 0+00.00 to Sta. 1+50.00 = 150.00 Lin. Ft.



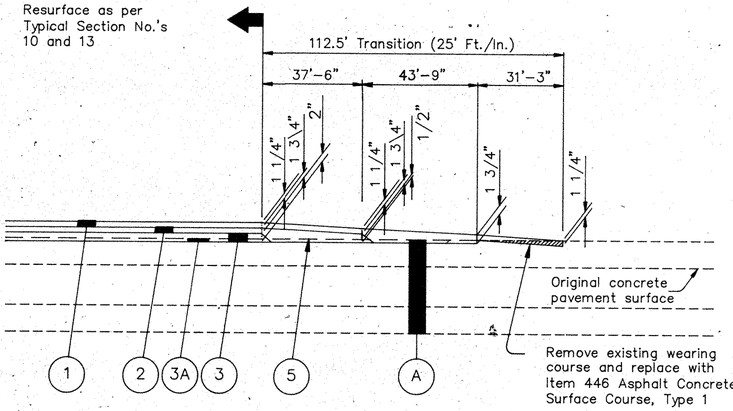
TRANSITION DETAIL "C"

WEST REST AREA TRANSITION

Truck Ramp:	Sta. 5+64.09 to Sta. 6+26.59	=	62.50	Lin. Ft.
Car Ramp:	Sta. 5+72.51 to Sta. 6+35.01	=	62.50	Lin. Ft.
Decel Ramp:	Sta. 19+95.03 to Sta. 20+57.53	=	62.50	Lin. Ft.

I.R.–75/U.S.R.–33 INTERCHANGE

*Ramp A	Turn–Out to U.S.R.–33	=	38.00	Lin. Ft.
Ramp A:	Sta. 6+33.00 to Sta. 6+95.50	=	62.50	Lin. Ft.
Ramp C:	Sta. 4+08.90 to Sta. 4+71.40	=	62.50	Lin. Ft.
Ramp E:	Sta. 0+86.00 to Sta. 1+48.50	=	62.50	Lin. Ft.
Ramp D:	Sta. 3+09.00 to Sta. 3+71.50	=	62.50	Lin. Ft.
Ramp G:	Sta. 2+74.00 to Sta. 3+36.50	=	62.50	Lin. Ft.
	Total	=	538.00	Lin. Ft.



TRANSITION DETAIL "D"

EAST REST AREA TRANSITION

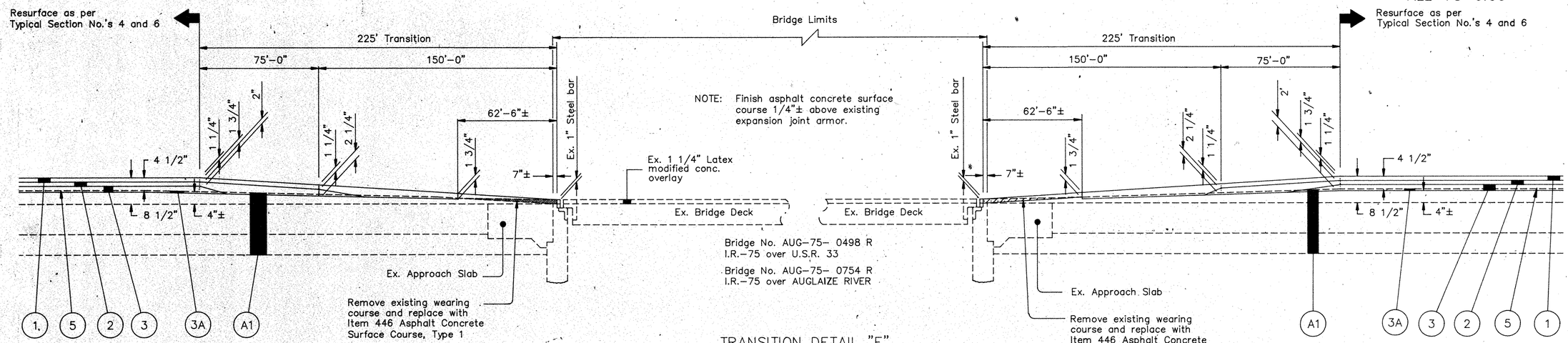
Truck Ramp:	Sta. 35+81.50 to Sta. 36+94.00	=	112.50	Lin. Ft.
Car Ramp:	Sta. 30+99.50 to Sta. 32+12.00	=	112.50	Lin. Ft.
Decel Ramp:	Sta. 14+54.91 to Sta. 15+67.41	=	112.50	Lin. Ft.
	TOTAL	=	336.50	Lin. Ft.

FOR PAVEMENT LEGEND SEE
TYPICAL SECTION SHEET NO. 8

FHWA REGION	STATE	PROJECT	
5	OHIO		

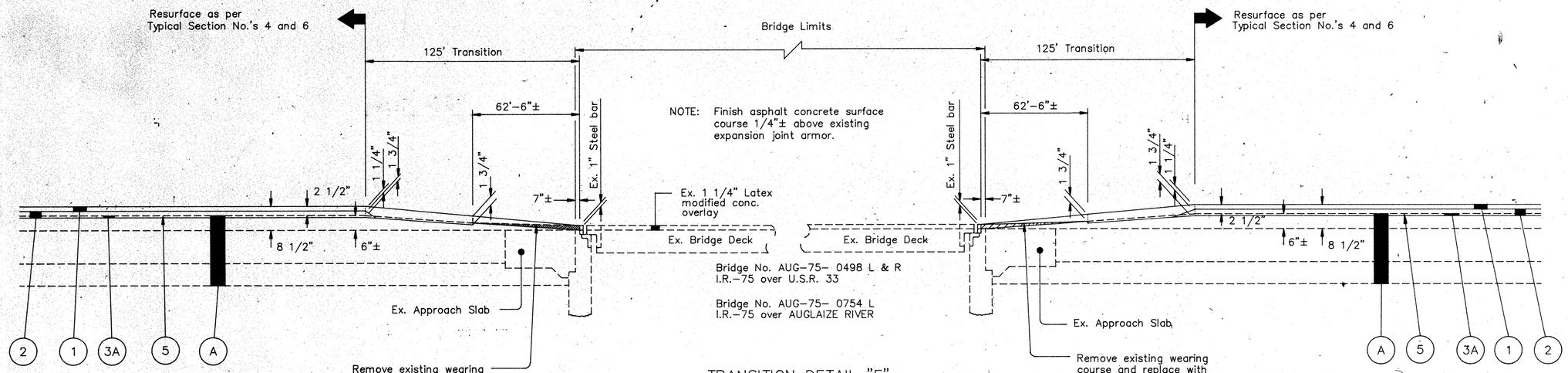
20
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00



TRANSITION DETAIL "E"
(NORTHBOUND LANES ONLY)

I.R.–75	Sta. 316+84.98 to Sta. 319+09.98 = 225.00 Lin. Ft.	AUG–75–0498 R
I.R.–75	Sta. 446+05.16 to Sta. 448+30.16 = 225.00 Lin. Ft.	AUG–75–0754 R
I.R.–75	Sta. 450+02.66 to Sta. 452+27.66 = 225.00 Lin. Ft.	AUG–75–0754 R
	Total = 675.00 Lin. Ft.	



TRANSITION DETAIL "F"

I.R.–75	Sta. 313+16.02 to Sta. 314+41.02 = 125.00 Lin. Ft.	AUG–75–0498R
I.R.–75	Sta. 313+25.08 to Sta. 314+50.08 = 125.00 Lin. Ft.	AUG–75–0498 L
I.R.–75	Sta. 316+94.04 to Sta. 318+19.04 = 125.00 Lin. Ft.	&
I.R.–75	Sta. 446+85.34 to Sta. 448+10.34 = 125.00 Lin. Ft.	AUG–75–0754 L
I.R.–75	Sta. 449+82.84 to Sta. 451+07.84 = 125.00 Lin. Ft.	
	Total = 625.00 Lin. Ft.	

FOR PAVEMENT LEGEND SEE TYPICAL SECTION SHEET NO. 8

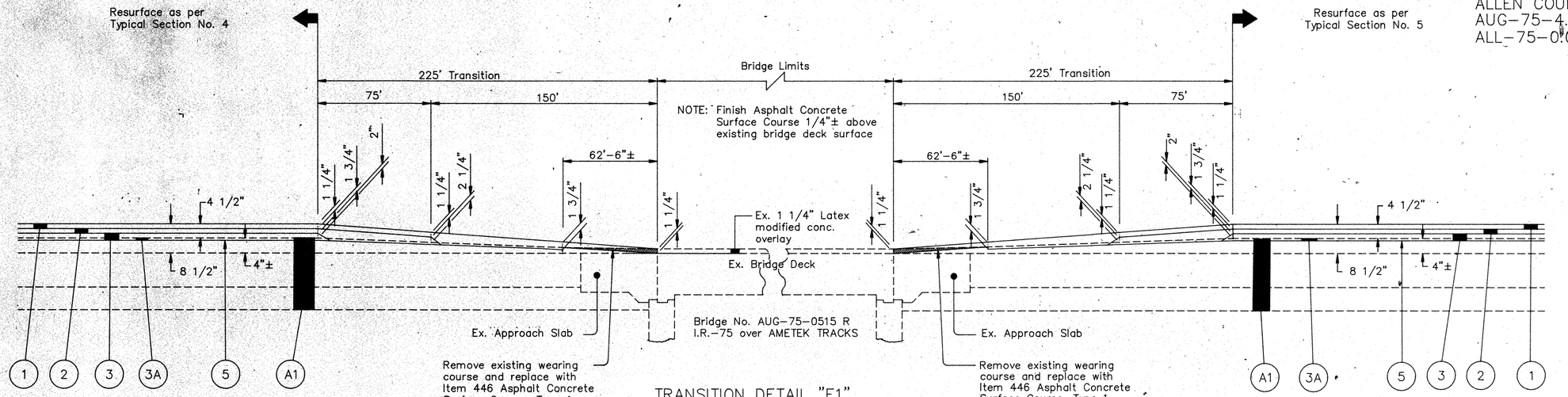
A:AUG75PD2 19920131

PAVEMENT TRANSITION DETAILS

FHWA REGION	STATE	PROJECT	
5	OHIO		

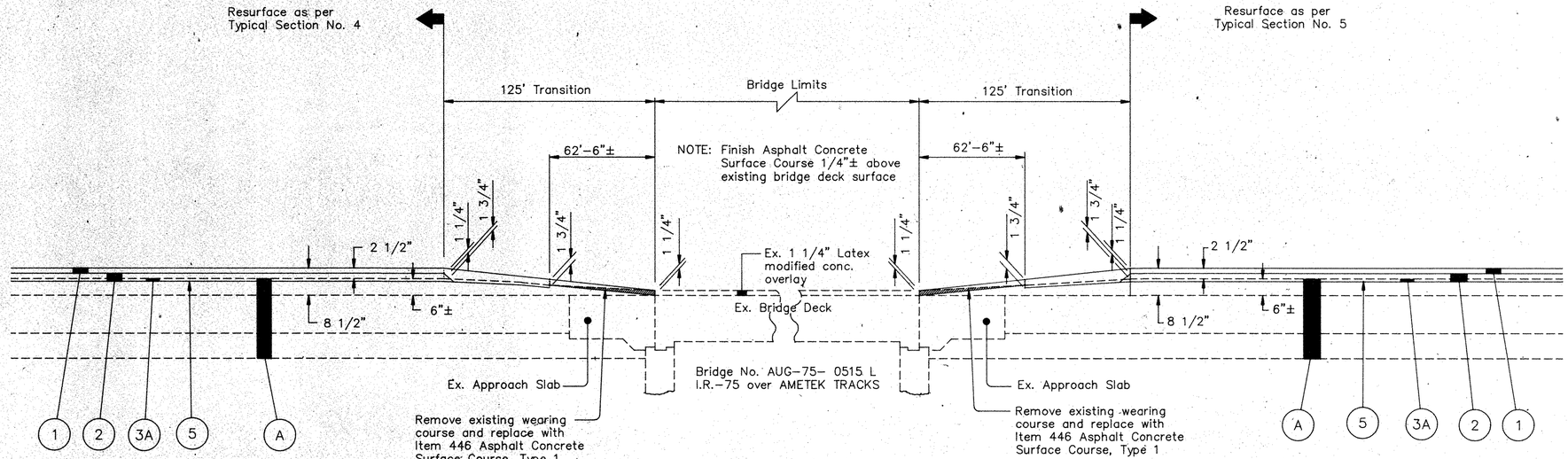
21
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00



TRANSITION DETAIL "E1"
(NORTHBOUND LANES ONLY)

I.R.-75 Sta. 319+98.29 to Sta. 322+23.29 = 225.00 Lin. Ft.
I.R.-75 Sta. 323+67.91 to Sta. 325+92.91 = 225.00 Lin. Ft. } AUG-75-0515 R
TOTAL = 450.00 Lin.Ft.



TRANSITION DETAIL "F1"
(SOUTHBOUND LANES ONLY)

I.R.-75 Sta. 321+27.23 to Sta. 322+52.23 = 125.00 Lin. Ft.
I.R.-75 Sta. 323+96.84 to Sta. 325+21.84 = 125.00 Lin. Ft. } AUG-75-0515 L
TOTAL = 250.00 Lin.Ft.

FOR PAVEMENT LEGEND SEE TYPICAL SECTION SHEET NO. 8

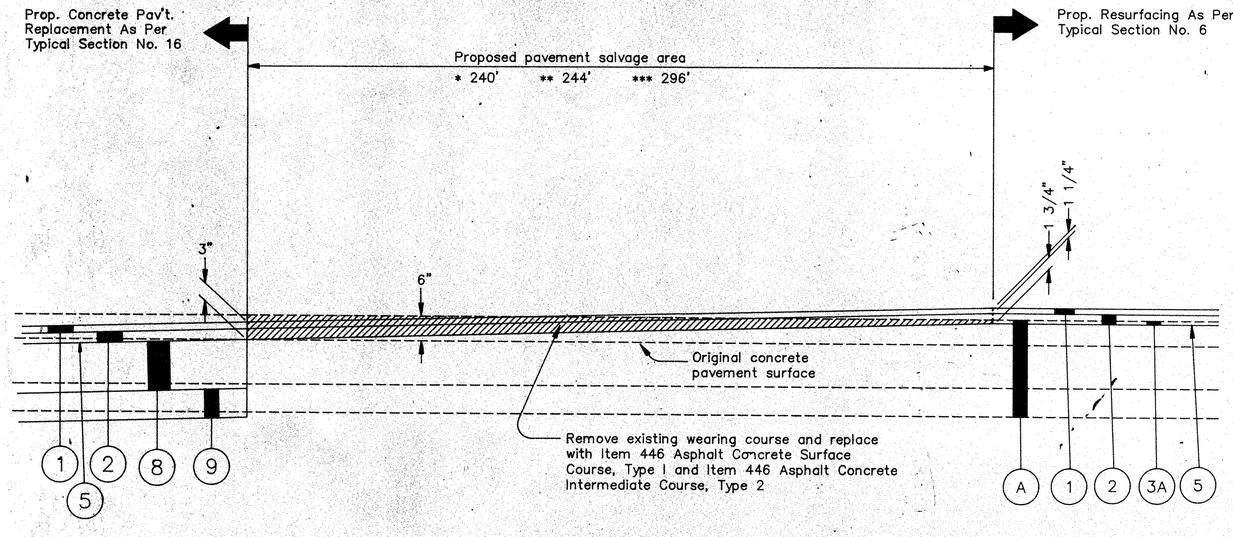
A:AUG75PD3 19920131

PAVEMENT TRANSITION DETAILS

FHWA REGION	STATE	PROJECT	
5	OHIO		

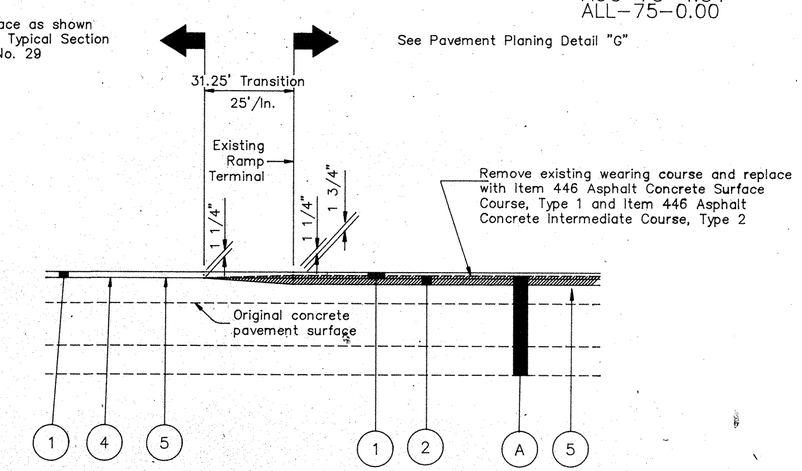
22
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00



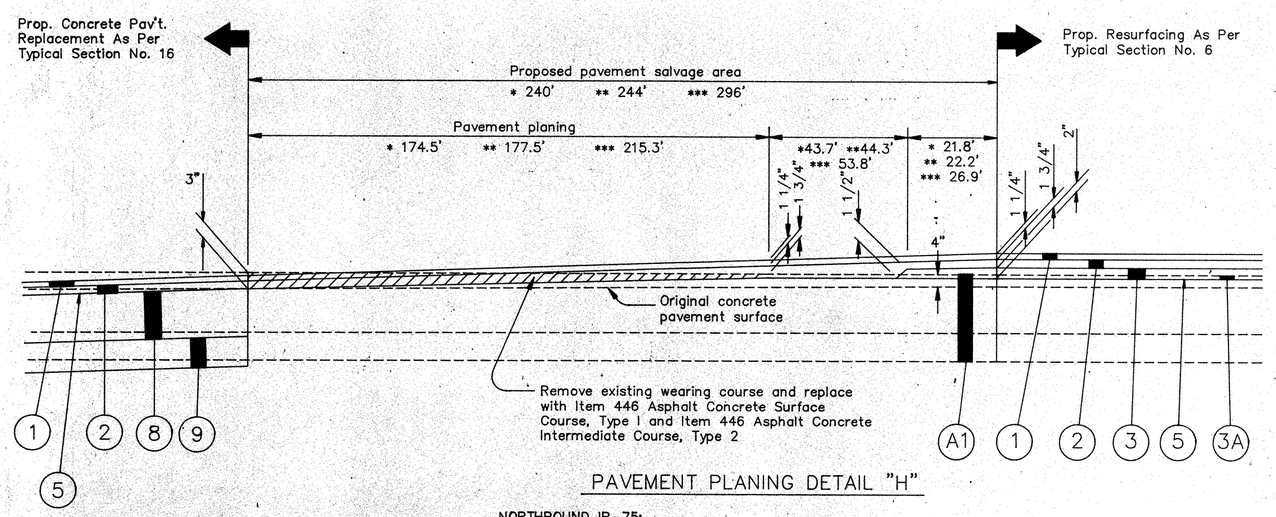
PAVEMENT PLANING DETAIL "G"

SOUTHBOUND IR–75:
* Sta. 425+00.00 to Sta. 427+40.00 = 240.00 Lin. Ft. (Opposite Hand)
** Sta. 434+06.00 to Sta. 436+50.00 = 244.00 Lin. Ft.
** Sta. 692.00.00 to Sta. 694.44.00 = 244.00 Lin. Ft. (Opposite Hand)
*** Sta. 701+54.00 to Sta. 704+50.00 = 296.00 Lin. Ft.
Total = 1024.00 Lin Ft.



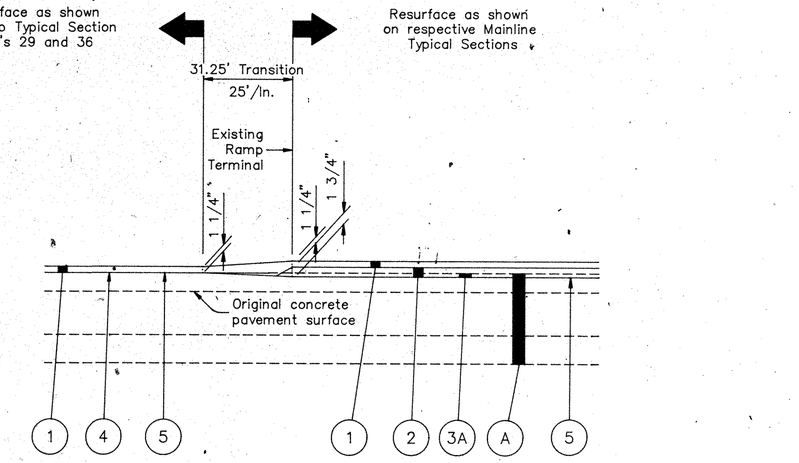
TRANSITION DETAIL "I"

IR–75 and SR–67 Interchange:
Ramp "C": Sta. 14+94.75 to Sta. 15+26.00 = 31.25 Lin. Ft.



PAVEMENT PLANING DETAIL "H"

NORTHBOUND IR–75:
* Sta. 425+00.00 to Sta. 427+40.00 = 240.00 Lin. Ft. (Opposite Hand)
** Sta. 434+06.00 to Sta. 436+50.00 = 244.00 Lin. Ft.
** Sta. 692.00.00 to Sta. 694.44.00 = 244.00 Lin. Ft. (Opposite Hand)
*** Sta. 701+54.00 to Sta. 704+50.00 = 296.00 Lin. Ft.
Total = 1024.00 Lin Ft.



TRANSITION DETAIL "J"

IR–75 and SR–67 Interchange
Ramp "D": Sta. 3+21.99 to Sta. 3+53.24 = 31.25 Lin. Ft.

IR–75 and National Road Interchange
Ramp "A": Sta. 2+87.49 to Sta. 3+18.74 = 31.25 Lin. Ft.
Ramp "B": Sta. 6+97.75 to Sta. 7+29.00 = 31.25 Lin. Ft.
TOTAL = 62.50 Lin. Ft.

FOR PAVEMENT LEGEND SEE TYPICAL SECTION SHEET NO. 8

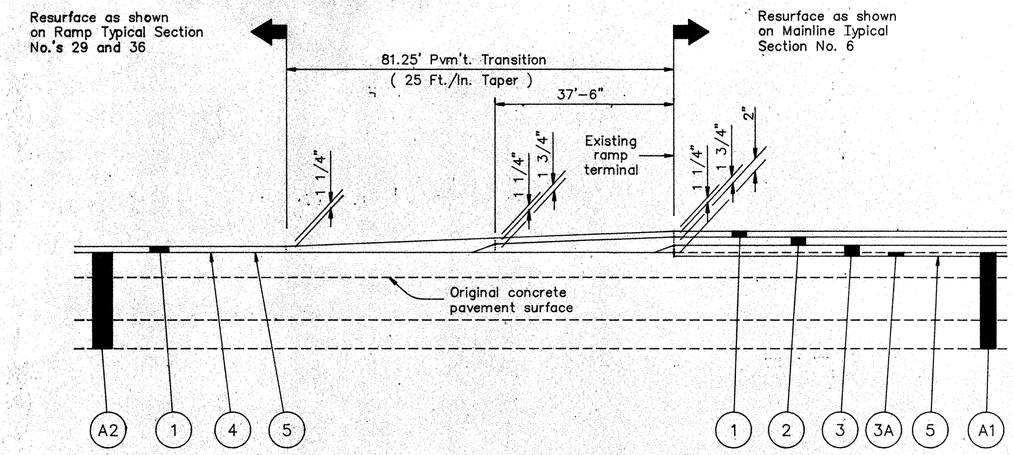
A:AUG75PD4 19920131

PAVEMENT PLANING AND TRANSITION DETAILS

FHWA REGION	STATE	PROJECT	
5	OHIO		

23
231

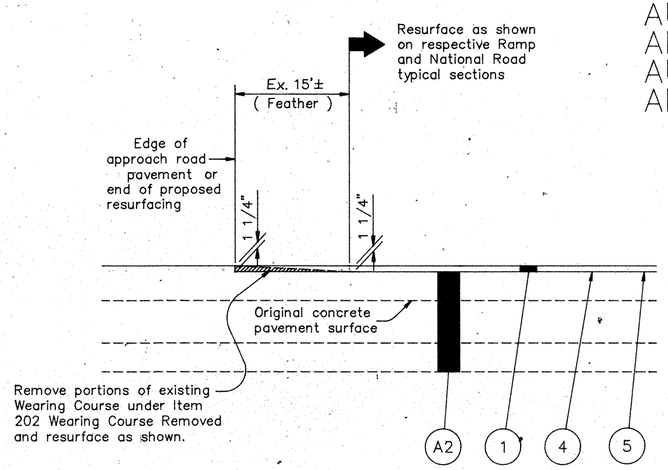
AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00



TRANSITION DETAIL "K"

IR-75 and SR-67 Interchange:
Ramp "B": Sta. 2+00.00 to Sta. 2+81.25 = 81.25 Lin. Ft.

IR-75 and National Road Interchange:
Ramp "D": Sta. 8+93.75 to Sta. 9+75.00 = 81.25 Lin. Ft.



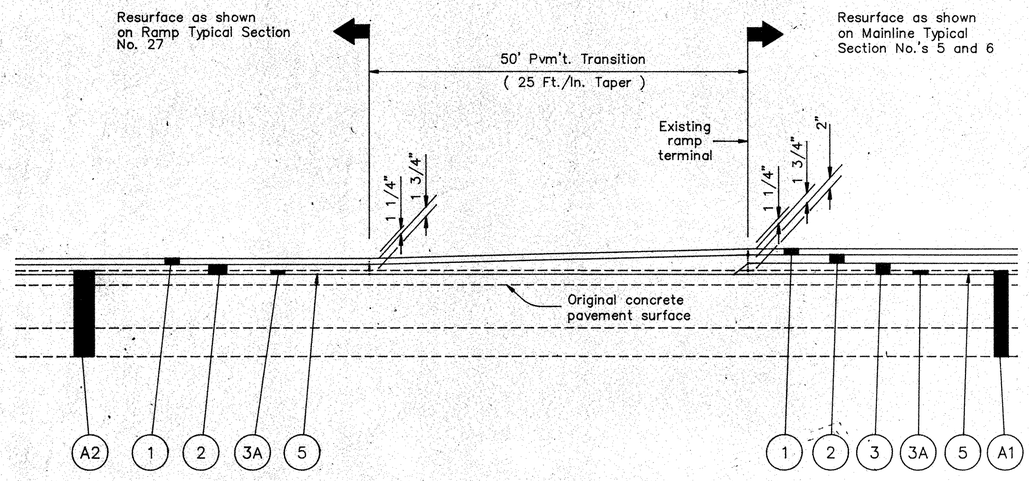
TRANSITION DETAIL "L"

IR-75 and SR-67 Interchange:

Ramp "A":	Sta. 1+51.84 to Sta. 1+66.84	=	15.00 Lin. Ft.
Ramp "B":	Sta. 16+58.36 to Sta. 16+73.36	=	15.00 Lin. Ft.
Ramp "C":	Sta. 1+60.00 to Sta. 1+75.00	=	15.00 Lin. Ft.
	SR-67 turn-out to Ramp "C"	=	15.00 Lin. Ft.
Ramp "D":	Sta. 8+35.40 to Sta. 8+50.40	=	15.00 Lin. Ft.
	TOTAL	=	75.00 Lin. Ft.

National Road:

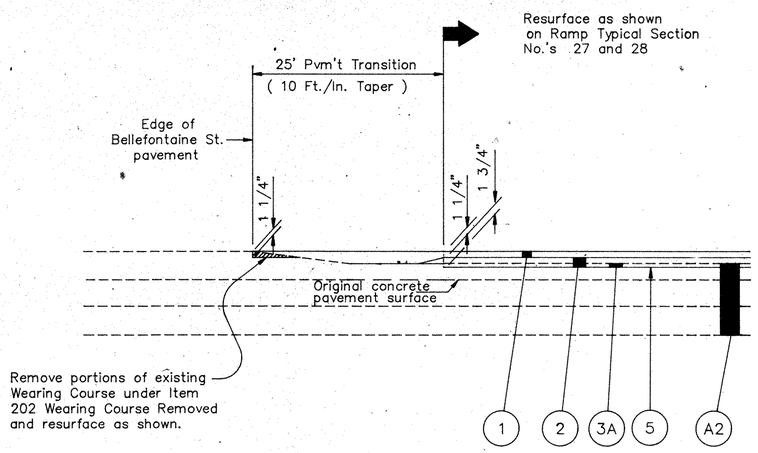
Sta. 4+29.07 to Sta. 4+44.07	=	15.00 LIN.FT.
Sta. 20+03.15 to Sta. 20+18.15	=	15.00 LIN.FT.
TOTAL	=	30.00 Lin. Ft.



TRANSITION DETAIL "M"

IR-75 and Bellefontaine Street Interchange:

Ramp "A":	Sta. 3+88.00 to Sta. 4+38.00	=	50.00 Lin. Ft.
Ramp "B":	Sta. 13+04.95 to Sta. 13+54.95	=	50.00 Lin. Ft.
	TOTAL	=	100.00 Lin. Ft.



TRANSITION DETAIL "N"

IR-75 and Bellefontaine Street Interchange:

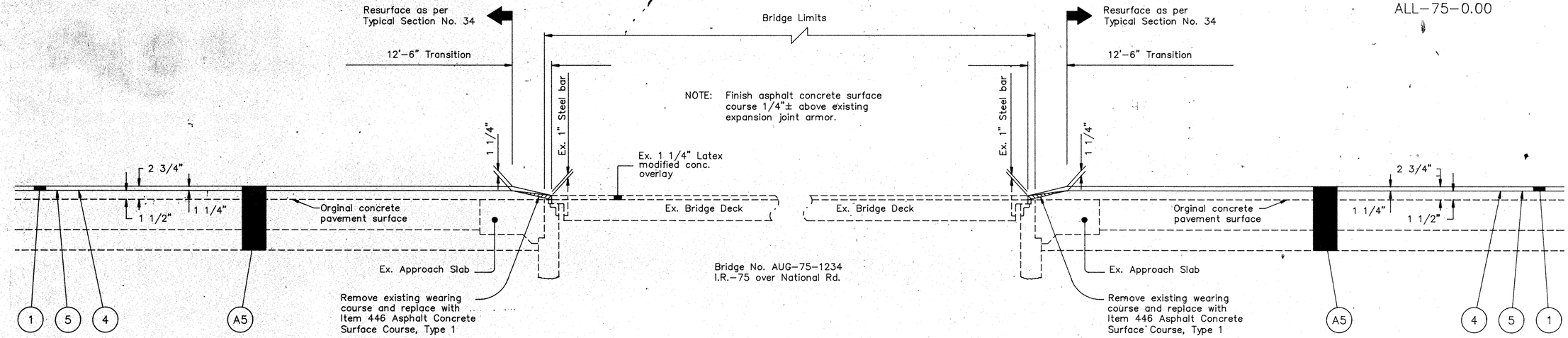
Ramp "A":	Sta. 8+39.69 to Sta. 8+64.69	=	25.00 Lin. Ft.
Ramp "B":	Sta. 3+66.54 to Sta. 3+91.54	=	25.00 Lin. Ft.
	Bellefontaine St. turn-out to Ramp "B"	=	25.00 Lin. Ft.
Ramp "C":	Sta. 3+66.54 to Sta. 3+91.54	=	25.00 Lin. Ft.
Ramp "D":	Sta. 8+39.69 to Sta. 8+64.69	=	25.00 Lin. Ft.
	TOTAL	=	125.00 Lin. Ft.

FOR PAVEMENT LEGEND SEE TYPICAL SECTION SHEET NO. 8

FHWA REGION	STATE	PROJECT	
5	OHIO		

24
231

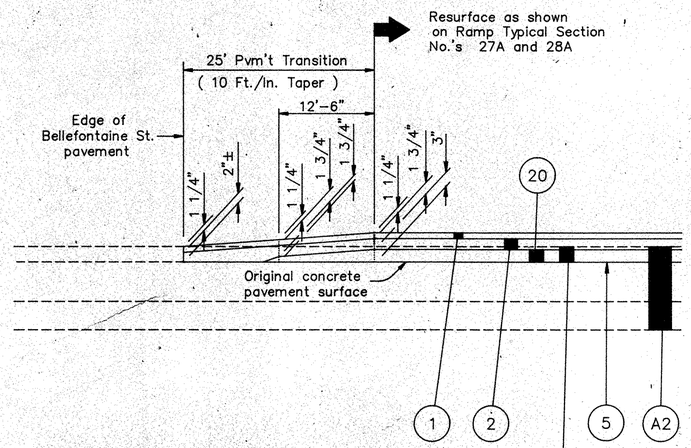
AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00



TRANSITION DETAIL "O"

National Rd.: Sta. 10+24.3 to Sta. 10+36.8 = 12.50 Lin. Ft.
Sta. 12+63.4 to Sta. 12+75.9 = 12.50 Lin. Ft.

Total = 25.0 Lin. Ft.



TRANSITION DETAIL "P"

IR–75 and Bellefontaine Street Interchange:

Bellefontaine St. turn–out to Ramp "C" = 25.00 Lin. Ft.

FOR PAVEMENT LEGEND SEE TYPICAL SECTION SHEET NO. 8

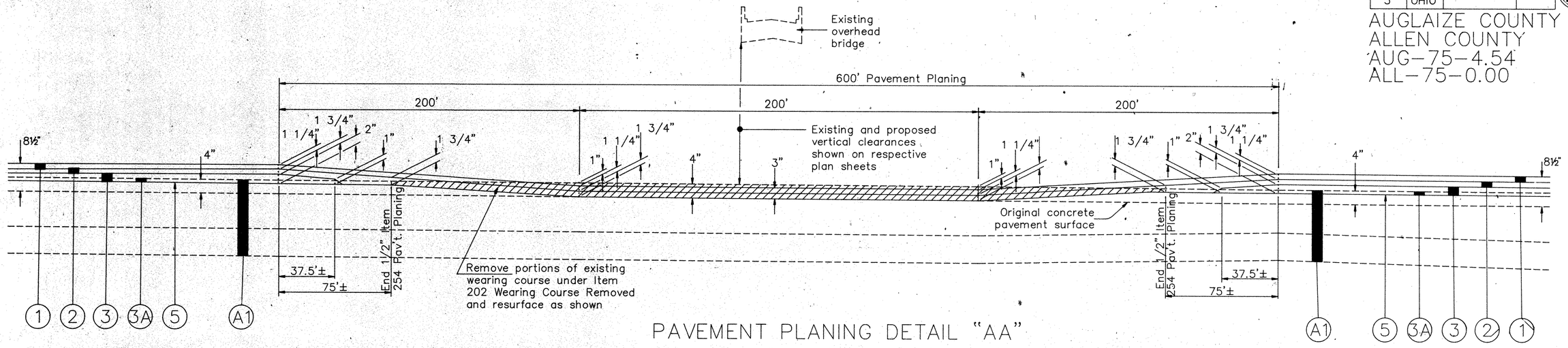
A:AUG75PD6 19920203

PAVEMENT TRANSITION DETAILS

FHWA REGION	STATE	PROJECT	
5	OHIO		

25/231

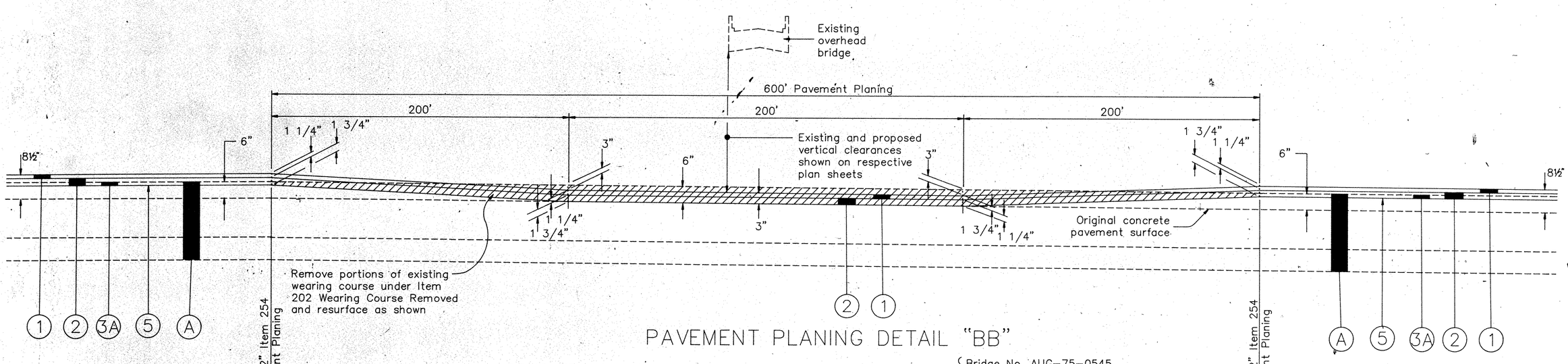
AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00



PAVEMENT PLANING DETAIL "AA"

N.B. I.R.-75:

Sta. 335+00.00	to	Sta. 341+00.00	=	600.00 Lin. Ft.	{	Bridge No. AUG-75-0545 Bellefontaine St. over I.R.-75
Sta. 368+35.00	to	Sta. 374+35.00	=	600.00 Lin. Ft.	{	Bridge No. AUG-75-0608 Middle Pike over I.R.-75
Sta. 600+00.00	to	Sta. 606+00.00	=	600.00 Lin. Ft.	{	Bridge No. AUG-75-1047 Buckland-Holden Rd. over I.R.-75



PAVEMENT PLANING DETAIL "BB"

S.B. I.R.-75:

Sta. 335+00.00	to	Sta. 341+00.00	=	600.00 Lin. Ft.	{	Bridge No. AUG-75-0545 Bellefontaine St. over I.R.-75
Sta. 368+35.00	to	Sta. 374+35.00	=	600.00 Lin. Ft.	{	Bridge No. AUG-75-0608 Middle Pike over I.R.-75
Sta. 600+00.00	to	Sta. 606+00.00	=	600.00 Lin. Ft.	{	Bridge No. AUG-75-1047 Buckland-Holden Rd. over I.R.-75

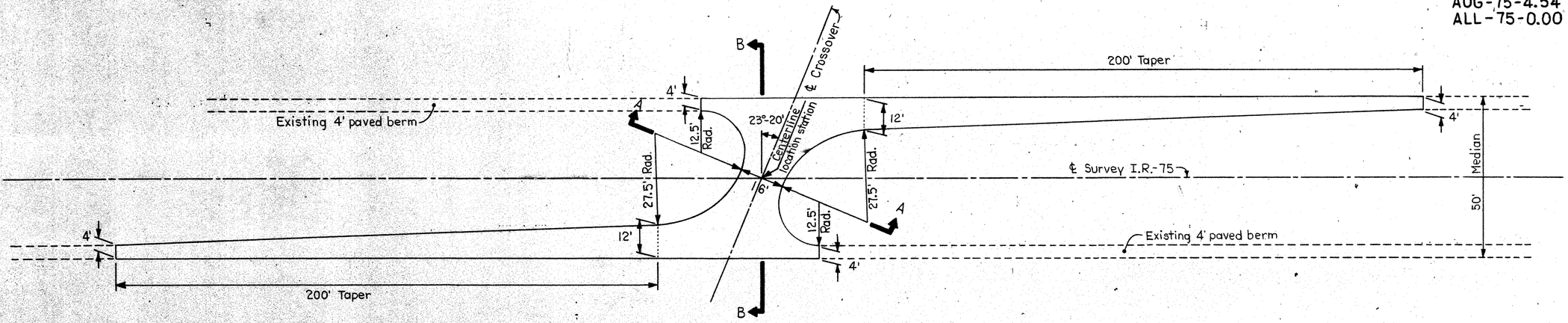
A:AUG75PD7 19920205

MEDIAN CROSSOVER DETAILS

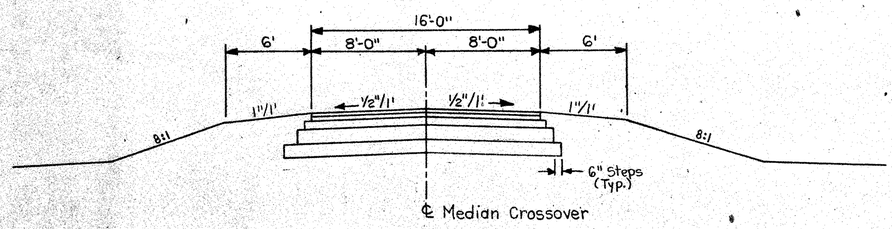
FHWA REGION	STATE	PROJECT	
5	OHIO		

26
231

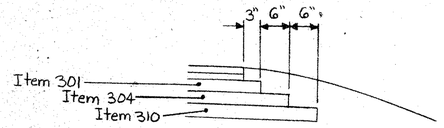
AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00



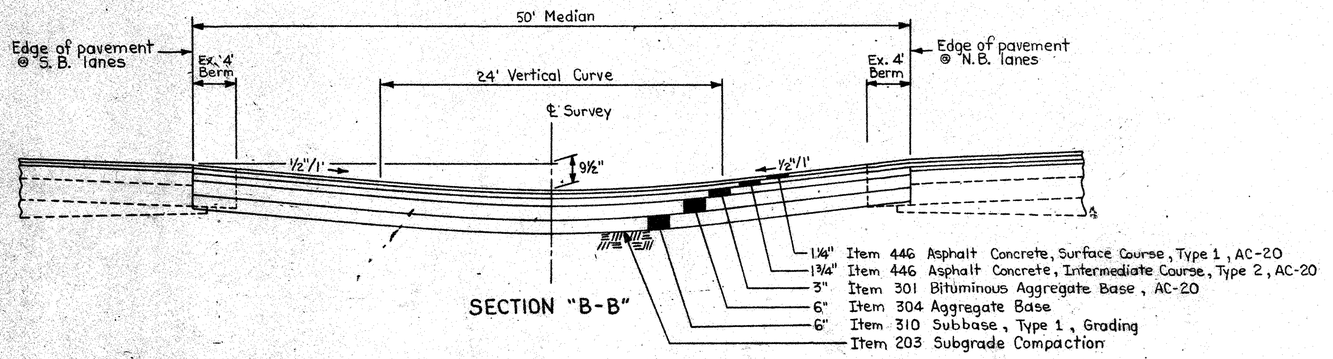
TYPICAL CROSSOVER



SECTION "A-A"



BASE AND SUBBASE DETAIL



SECTION "B-B"

MAINTENANCE OF TRAFFIC

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00

FHWA REGION	STATE	PROJECT	
5	OHIO		

GENERAL REQUIREMENTS

It is the intention to perform the required work within these plans with the least inconvenience to and the maximum safety of the Contractor and the traveling public. The requirements for maintaining traffic as specified in the "Ohio Manual of Uniform Traffic Control Devices for Streets and Highways" (current edition, latest revision), pertinent provisions of the "Ohio Department of Transportation Construction and Material Specifications" (including supplemental specifications) and applicable standard construction drawings shall apply to this project in addition to the following notes and details.

ITEM 614, MAINTAINING TRAFFIC

The Contractor shall be responsible for maintaining safe and effective traffic control 24 hours a day for the duration of the project. This will include providing and maintaining all necessary traffic control measures for all proposed construction operations on I.R.–75 and all interchange ramps, approach roads and overhead roads as well as providing and maintaining all traffic control devices necessary for the proposed interchange ramp detours during the proposed ramp closure period as shown elsewhere in these plans.

The Contractor shall arrange all traffic control devices so that I.R.–75 traffic and ramp traffic at interchanges is maintained at all times, unless otherwise shown in these plans or designated by the Engineer. Thru traffic shall be maintained in a uniform pattern throughout the entire length of the project and shall not be subjected to constant lane shifts. A minimum of one lane of directional traffic on I.R.–75 shall be maintained at all times unless otherwise directed by the Engineer.

The Contractor shall furnish and install "ROAD CONSTRUCTION AHEAD" signs (OW–128) on I.R.–75 at three miles and one mile ahead of the actual I.R.–75 construction area and at the beginning of all interchange entrance ramps leading onto I.R.–75. The Contractor shall also furnish and install "ROAD CONSTRUCTION NEXT 6 MILES" signs (OC–6) and "END CONSTRUCTION" signs (OC–8) at the beginning and ends of the project. These signs shall be dual installations and the actual locations shall be subject to the approval of the Engineer.

The Contractor shall perform all construction operations so as to preclude any unnecessary interference to the normal flow of traffic. Work can be performed simultaneously in the Northbound and Southbound lanes, subject to the approval of the Engineer, provided the intended construction operations do not interfere with each other or unduly disrupt the normal flow of traffic.

All vehicles, equipment, construction personnel and their activities are restricted at all times to one side of the directional pavement, unless otherwise approved by the Engineer. Vehicles and other equipment shall not be permitted to stop or to be parked along the roadway except within designated work areas and shall not enter or leave work areas in a manner which will be hazardous to, or interfere with the normal flow of traffic. Personal vehicles will not be permitted to park within the right–of–way except within specific areas designated by the Engineer.

Before the work begins, the Contractor shall submit to the Engineer the name(s) and telephone number(s) of a person or persons who can be contacted twenty–four (24) hours a day by the Ohio Department of Transportation or any interested police agency. This person or persons shall be responsible for repairing and/or replacing all traffic control devices needed to maintain the safety of the traveled pavement for the duration of this project. This person or persons shall have available all materials, equipment and incidentals necessary to perform the required repairs within a reasonable period of time as per C.M.S. 614.04.

These plans contain provisions to relocate the existing median crossover at I.R.–75 sta. 559+00 to sta. 524+00. The existing crossover shall remain in service for law enforcement and emergency vehicle use until the proposed crossover is constructed and open to such vehicles.

All construction within the immediate area of any existing median crossover shall be performed in a manner which will preclude disruption of law enforcement and emergency vehicles utilizing such crossovers.

The Contractor will be responsible for providing and maintaining the required traffic control devices on the proposed detour route during the period ramps at the I.R.–75/S.R.–67 and the I.R.–75/ National Road interchanges are closed to traffic.

One lane of directional traffic on I.R.–75 will be permitted while the Contractor is actively working on or immediately adjacent to the pavement and then only for minimum periods of time consistent with the actual requirements of the specific type of work being performed. It is intended that the roadway not be subjected to any lane closure(s) unless active work is being performed within or immediately adjacent to the closed lane. The roadway shall not be restricted to one lane directional traffic during periods of intermittent or irregular work, nor closed solely for the convenience of the Contractor. The Engineer shall make the final determination as to what constitutes active work and whether or not the actual work being performed warrants the lane closure. If the lane closure is not justified, the Engineer may order all or part of the closed lane re–opened to traffic until such time this condition is corrected. The duration and length of all lane closures shall at all times be commensurate with the actual work being performed.

The use of shoulder areas to maintain traffic, except as noted within these plans or otherwise approved by the Engineer, is prohibited. Should any existing or new shoulder area used to maintain traffic become damaged or destroyed due to the Contractor's negligence or failure to provide adequate signs or other appropriate traffic control devices, the restoration or replacement of the shoulder area will be at the Contractor's expense, unless authorized by the Engineer.

For short periods of time consistent with the requirements of the specifications for the completion and protection of the respective work items, shoulder areas along interchange ramps may be used to maintain traffic while the Contractor is actually performing such construction operations as pavement joint repairs, underdrain installations, berm widening or pavement and berm resurfacing on the interchange ramps.

A minimum lane width of eleven (11) feet shall be provided for maintenance of traffic purposes at all times unless otherwise directed by the Engineer.

The Contractor shall notify the Engineer of any intended changes to any existing or temporary traffic control devices and shall obtain the Engineer's approval prior to making the changes. The Contractor shall also notify the Engineer fourty–eight (48) hours in advance of any intended lane closures, lane shifts or road closures.

The Contractor will be required to provide, erect, maintain (in proper position, clean and legible, and in good working condition) and subsequently remove all lights, signs, cones, barricades and any other traffic control devices necessary for the maintenance of traffic according to plan notes and details.

Tack coat shall be applied to the existing pavement on a daily basis prior to placing the respective asphalt concrete resurfacing courses and then only for that length of resurfacing that can reasonably be expected to be accompolished by the end of each work day. The scheduling and application of tack coat shall be approved by the Engineer on a daily basis.

Pavement joint repairs shall be performed on only one lane of the I.R.–75 directional pavement at a time and this lane shall be closed for the optimum length possible. Pavement joint repairs on interchange ramps designated to remain open during construction shall be performed on one half of the ramp pavement while maintaining traffic on the other half.

Open excavations for all proposed pavement joint repairs, regardless of location, shall be adequately maintained and protected with appropriate traffic control devices at all times during removal and replacement operations. Placement of proposed underdrains; subbase, dowels and/or tie bars, and concrete and asphalt surface courses for pavement joint repairs shall follow removal operations as closely as possible. No open excavations below the level of the existing pavement shall be left open overnight and the actual number of open excavations for pavement joint repairs shall at all times be subject to the Engineer's approval.

Uninterrupted two lane traffic on I.R.–75 with all existing lanes, including interchange ramps, open to traffic will be maintained during the following holiday weekend periods:

New Years Day	Independence Day
Memorial Day	Labor Day
Thanksgiving Day	Christmas Day

A "holiday weekend" for maintenance of traffic purposes, begins at noon on the last normal weekday preceding the holiday and ends at noon on the first normal weekday following the holiday. A day between the holiday and Saturday or between Sunday and the holiday shall be considered part of the weekend.

Unless otherwise noted in these plans, the standard channelizing device for closing any lanes to traffic shall be properly weighted and reflectorized plastic drums, spaced according to plan notes and details.

The ends of all precast portable concrete barriers exposed to oncoming traffic shall be protected with a tapered end terminal section as shown on Standard Drawing MC–9.2. Portable concrete barriers shall be provided with side mounted barrier reflectors as specified elsewhere in these plans. Traffic control details and quantities for those specific work zones using portable concrete barrier are shown elsewhere in these plans. (See sheet numbers 31 thru 56).

The Contractor shall adjust the location and/or spacing of all traffic control channelizing devices as dictated by the progress of the required work to allow construction access to work areas while maintaining safe and effective traffic control during all construction operations. The original location, placement, spacing and subsequent relocation or removal of all traffic control devices shall be subject to the Engineer's approval.

For additional traffic control details applicable to the maintenance of traffic on this project see sheet numbers 186 thru 188 and Standard Construction Drawings MT–95.30, MT–98.12, MT–98.13, MT–98.14, MT–98.15, MT–99.10 and MT–99.20.

MAINTENANCE OF TRAFFIC

LATERAL RAMPING

The Contractor shall not permit traffic to move laterally across pavements of different elevations greater than 2" in depth, which have resulted from either paving or planing operations without providing lateral ramping. The lateral ramp may be constructed by means of either additional planing or providing an asphalt ramp with a maximum slope of six to one (6:1). The asphalt ramp may be constructed by separate placement, raking or other method approved by the Engineer and shall be constructed of the same material as the newly placed asphalt resurfacing course. Payment for all materials, equipment, labor and incidentals necessary to provide lateral ramping, where necessary, shall be included in either the respective planing or asphalt resurfacing course, whichever is appropriate.

ITEM SPECIAL, LAW ENFORCEMENT OFFICER WITH PATROL CAR

When one lane of I.R.–75 directional pavement is to be closed, a law enforcement officer with patrol car shall be present during the set–up and removal of traffic control devices, as shown elsewhere in these plans.

During the initial placement, rearrangement for lane shifts and subsequent removal of traffic control devices used to channelize traffic through the project, the Contractor shall provide for the services of a law enforcement officer with patrol car to control traffic and protect the personnel placing, rearranging or removing the required traffic control devices. The Contractor, at his option, may use the services of a law enforcement officer with patrol car at other times during this project, subject to the Engineer's approval, provided the flow of traffic is not adversely affected by their presence.

This requirement does not preclude the contractors use of law enforcement officer for other purposes in the project area. However, where such usage is at the option of the contractor, payment for the law enforcement officer involved shall be included in the lump sum bid for Item (614) Maintaining Traffic.

Information regarding arrangements by the Contractor for providing law enforcement officers with patrol cars may be obtained by contacting the Ohio Highway Patrol, 660 East Main Street, Columbus, Ohio (614) 466–2660.

The following estimated quantity has been provided in these plans to be used for the maintenance of traffic:

Item Special Law Enforcement Officer with Patrol Car 200 Hours

Quantity Carried to General Summary

ITEM SPECIAL – REPLACEMENT SIGN

Flat sheet signs furnished by the Contractor in accordance with the requirements of the plans, specifications and proposal which become damaged by traffic for reasons beyond the control of the Contractor shall be replaced in kind when ordered by the Engineer. Replacement signs shall be new. Other materials may be in used but good condition subject to approval by the Engineer.

Pavement for the new signs shall be made at the bid price per square foot "Item Special–Replacement Sign" and shall include the cost of removing and disposing of the damaged signs, hardware and supports; and providing the necessary replacement hardware, supports, ETC..

The following estimated quantity has been provided in these plans to be used for the maintenance of traffic:

Item Special Replacement Sign 320 Sq. Ft.

Quantity Carried to General Summary

ITEM SPECIAL – REPLACEMENT DRUM

Drums furnished by the contractor in accordance with the requirements of the plans, specifications and proposal which become damaged by traffic for reasons beyond the control of the contractor shall be replaced in kind when ordered by the Engineer. Replacement drums shall be new.

Pavement for the new drums shall be made at the bid price per each for "Item Special – Replacement Drum" and shall include the cost of removing and disposing of the damaged drum: and providing and maintaining the replacement drum in accordance with the contract requirements for the original drum.

The following estimated quantity has been provided in these plans to be used for the maintenance of traffic:

Item Special Replacement Drum 50 Each

Quantity Carried to General Summary

ITEM 614 BARRIER REFLECTORS

This item of work shall consist of furnishing and installing barrier reflectors on portable concrete barrier in accordance with the plans and specifications.

Portable concrete barrier reflector materials and the method of mounting shall conform to the provisions of O.D.O.T. S.S. 802, dated 4–13–90, with the exception that reflector spacing shall be one–half of the spacing shown thereon.

The method of measurement shall be the actual number of each type of barrier reflector furnished, placed and accepted. The basis of payment shall be at the contract price bid for Item 614 Barrier Reflector and shall include all materials, equipment labor and incidentals required to perform the work.

For portable concrete barrier locations and estimated quantities see maintenance of traffic construction details and estimated quantity tables.

WORK LIMITS

The work limits as shown on these plans are for physical construction only. The installation and operation of all traffic control devices required by these plans and specifications shall be provided by the Contractor whether inside or outside of these work limits.

ROADWAY WORK ASSOCIATED WITH STAGED CONSTRUCTION

Although not specifically stipulated in these plans, all operations involving the placement, construction, removal and/or replacement of all items of roadway work such as excavation, embankment, catch basins, curbs, underdrains, concrete medians, guardrail, concrete barriers or similar items of work shall be performed in conjunction with the resurfacing and/or pavement and berm construction operations as shown on the plans.

For purposes of simplicity, plan notes and details list only the major construction operations to be performed within respective stages, however the Contractor shall perform all items of roadway work at the most appropriate time within each particular stage of construction. The Engineer shall make the final determination should any misunderstanding arise as to which stage of construction any particular item of roadway work should be performed under.

OVERHEAD BRIDGE DECK AND BRIDGE RAIL REHABILITATION

Before any overhead bridge deck or bridge rehabilitation work begins, the Contractor must submit to the Engineer for approval an overhead bridge deck and railing demolition and construction plan.

This plan shall include a detailed description of all intended construction operations and procedures associated with the required overhead bridge rehabilitation work. This plan shall also specifically address the need for protecting the traveling public beneath the bridge from falling objects or debris during construction. Provisions shall also be included for the protection of pedestrian traffic as well as overhead utility lines where such traffic or lines exist.

Submission of an overhead bridge deck and railing demolition and construction plan shall be considered incidental to Item 614, Maintaining Traffic. The Contractor may proceed with overhead bridge rehabilitation work after receiving written approval from the Engineer.

MAINTENANCE OF TRAFFIC

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TRENCH FOR BERM REPLACEMENT

Trench excavation for berm replacement shall be performed only on one side of the pavement at a time. The open trench shall be adequately maintained and protected with drums or barricades at all times. Placement of proposed berm subbase and base material shall follow as closely as possible behind the excavation operations. The length of trench which is open at any one time shall be held to a minimum and shall at all times be subject to approval of the Engineer.

OVERNIGHT TRENCH CLOSING

The berm replacement on this project will be completed to a depth of 3" below the adjacent pavement by the end of the work day. Except for a short length of adequately protected work (25 feet or less) at the end of the trench, no trench will be left open overnight. In case berm replacement work must be suspended because of inclement weather or other reasons, the trench for uncompleted work will be backfilled at the direction of the Engineer.

ITEM 615 TEMPORARY PAVEMENT, AS PER PLAN

This item of work shall consist of providing and maintaining temporary pavement at the locations specified on the plans, according to plan notes and details, pertinent provisions of the O.D.O.T. Construction and Material Specifications (C.M.S.) and applicable standard construction drawings.

Temporary pavement constructed under this item shall meet the requirements of C.M.S. 615 for Class A, flexible pavement with the exception that in lieu of C.M.S. 615.08 when the temporary pavement is no longer needed to maintain traffic the temporary pavement shall not be removed but will remain intact to become part of the finished paved shoulder.

The Contractor shall exercise sufficient care in placing the temporary pavement to ensure that the cross slope on the pavement surface is compatible with that shown on the typical sections for the paved shoulders.

Portions of the temporary pavement placed under this item of work which are within the paved berm replacement area shall be subsequently removed under Item 203 Excavation and proposed paved berms as shown on the typical sections constructed in its place.

The method of measurement will be the actual number of square yards of temporary pavement placed and maintained as specified, complete in place and accepted.

Payment for accepted quantities will be made at the contract price per unit for Item 615, Temporary Pavement, As Per Plan and shall be full compensation for all materials, equipment and labor necessary to complete this item of work.

STAGED CONSTRUCTION PROCEDURES AND INTERCHANGE RAMP DETOUR LIMITATIONS

Construction of various parts of this project will be accomplished using staged, partial width construction to perform the required work while maintaining traffic on portions of the existing and/or proposed pavement and berms or temporary pavement.

In order to expeditiously perform the required work without unduly disrupting the normal traffic patterns within these areas, staged construction procedures with closure limitations will be performed in sequence according to plan notes and details at the following locations:

1.) Stage 1 I.R.–75 inside pavement, berm and pier protection construction from Sta. 425+00 to Sta. 434+06.....21 days *

2.) Stage 1 bridge rehabilitation at bridge number AUG–75–0720 / AUG–67–0345.....14 days *

3.) Stage 1 I.R.–75 inside pavement, berm and pier protection construction from sta. 692+00 to Sta. 704+50.....21 days *

4.) Stage 2 I.R.–75 outside pavement, berm and pier protection construction from Sta. 425+00 to Sta. 434+06 including Ramp A pavement, berm and barrier construction at the I.R.–75/S.R.–67 Interchange.....28 days *

5.) Stage 2 bridge rehabilitation at bridge number AUG–75–0720 / AUG–67–03450.....14 days *

6.) Stage 2 I.R.–75 outside pavement, berm and pier protection construction from Sta. 692+00 to Sta. 704+50 including Ramp C pavement, berm and barrier construction at the I.R.–75/National Road Interchange.....28 days *

* Consecutive calendar days

Accel/decel lane and interchange ramp construction operations adjacent to I.R.–75 will be performed in conjunction with I.R.–75 Stage 2 construction operations.

Only those construction operations directly related to the proposed pavement and berm replacement and construction of the proposed bridge pier protection shall be performed during the closure periods. It is intended that the length of all one lane closure periods on I.R.–75, all interchange ramp closure periods and that the actual time period the interchange ramp detours are in effect shall be kept to an absolute minimum.

The Contractor's attention is directed to the provisions of C.M.S. 108.08 concerning liquidated damages for failure to complete the required work within the specified interim closure periods.

Stage 2 pavement and berm construction operations on I.R.–75 will result in the temporary closing of Ramp A at the I.R.–75 / S.R.–67 Interchange and Ramp C at the I.R.–75 / National Road Interchange. Ramps B, C and D at the I.R.–75 / S.R.–67 Interchange and Ramps A, B and D at the I.R.–75 / National Road interchange will remain open at all times.

The Contractor will be responsible for providing traffic control on the proposed detour routes and shall furnish, erect, maintain and subsequently remove all traffic control devices necessary to provide safe and effective traffic control on the detour routes during the interchange ramp closure period.

The Contractor shall monitor and maintain the required traffic control devices on the detour routes in accordance with the performance provisions of C.M.S. 614.04. The actual locations of the traffic control devices on the proposed detour will be subject to the Engineers approval.

The Contractor shall notify the Engineer at least fourteen (14) working days prior to the intended closing of the affected interchange ramps. No interchange ramp closures will be placed into effect until all traffic control devices required for the detours are in place and approval has been granted by the District 7 Traffic Engineer to close the respective ramps. The Contractor shall also notify the District 7 Traffic Engineer when the required work is complete and the detours are no longer necessary.

The following detour routes shall be provided for the respective interchange ramps to be closed on this project:

Ramp A at the I.R.–75 / S.R.–67 Interchange:
Ramp A traffic (Eastbound and Westbound S.R.–67 traffic to Northbound I.R.–75) will enter Southbound I.R.–75 on Ramp D at the I.R.–75 / S.R.–67 interchange; go South on I.R.–75; exit Southbound I.R.–75 on Ramp D at the I.R.–75 / Bellefontaine Street interchange; go East on Bellefontaine Street; enter Northbound I.R.–75 on Ramp B at the I.R.–75 / Bellefontaine Street interchange; proceed North on I.R.–75.

Ramp C at the I.R.–75 / National Road Interchange:
Ramp C traffic (Northbound I.R.–75 traffic to Eastbound and Westbound National Road) will go North on I.R.–75 thru the I.R.–75 / National Road interchange; exit Northbound I.R.–75 on Ramp B at the I.R.–75 / Breese Road interchange; go West on Breese Road; enter Southbound I.R.–75 on Ramp A at the I.R.–75 / Breese Road interchange; go South on I.R.–75; exit Southbound I.R.–75 on Ramp B at the I.R.–75 / National Road Interchange; proceed East or West on National Road.

For additional traffic control details for Stage 1 and Stage 2 Construction areas see sheet numbers 35, 36, 41, and 42.

MAINTENANCE OF TRAFFIC

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HENGSTLER ROAD CLOSURE

Hengstler Road from County Road 25A to Golden Bridge Road (T.R.–173) will be closed to thru traffic for a period not to exceed forty–five (45) consecutive calendar days during which time the existing bridge superstructure for bridge number AUG–75–0876 will be raised and the proposed bridge railing retro–fit, approach slab, guardrail and pavement, berm and drive work will be performed. Local traffic on Hengstler Road will be maintained and access to and from drives immediately adjacent to the bridge will be maintained at all times.

The Contractor shall erect Type III barricades with R–76A signs with the appropriate message concerning the permissible use of the road by local traffic at the intersection of Hengstler Road and County Road 25A and at the intersection of Hengstler Road and Golden Bridge Road (T.R.–173). The Contractor shall also erect Type III barricades with gates and R–75 signs immediately adjacent to the ends of the bridge.

All barricades, gates and signs shall conform to the provisions of the "Ohio Manual of Uniform Traffic Control Devices for Streets and Highways", applicable standard construction drawings and pertinent provisions of the O.D.O.T. Construction and Material Specifications (C.M.S.).

The Contractor's attention is directed to the provisions of C.M.S. 108.08 concerning liquidated damages for failure to complete the required work within the specified closure period. The closure period shall commence when the actual road is closed to traffic.

The Contractor shall notify the Engineer at least fourteen (14) working days prior to the intended closing of the road.

The Contractor shall monitor and maintain the required traffic control devices on the closed route in accordance with the performance provisions of C.M.S. 614.04. The actual locations of the traffic control devices on the closed route shall be subject to the Engineer's approval.

The following estimated quantities have been provided in these plans to be used as directed by the Engineer for the maintenance of traffic:

Item 404 Bituminous Concrete for Maintaining Traffic.....50 Cu. Yd.
Item 410 Traffic Compacted Surface, Type A or B.....50 Cu. Yd.
Item 616 Calcium Chloride.....20 Ton
Item 616 Water.....100 M. Gal.

Quantities carried to General Summary

Payment for all the maintenance of traffic, except for items provided as separate pay items within these plans, shall be included in the lump sum contract price bid for Item 614 Maintaining Traffic. Payment shall be full compensation for all materials, equipment, labor and incidentals necessary to provide safe and effective traffic control for the duration of this project.

614 WORK ZONE SPEED LIMIT SIGN

The Contractor shall furnish, install, maintain, cover during suspension of work, and remove work zone speed limit signs and supports (R–10–48) 55 MPH within the work limits in accordance with the following requirements.

The Contractor shall cover or remove any existing speed limit or minimum speed signs within the reduced speed zone. These signs shall be restored during suspension or termination of the reduced speed limit. The expense of covering or removal and restoration of existing speed limit or minimum speed signs is incidental to the pay item for the work zone speed limit signs.

The work zone speed limit signs may be erected and covered prior to starting work or may be erected uncovered no more than 4 hours before the actual start of work. The signs shall be removed or covered no later than 4 hours following restoration of all lanes to traffic with no restrictions or sooner as directed by the Engineer.

The Contractor shall erect a work zone speed limit sign in advance of any lane restriction which is 1/2 mile or more in length and which is expected to last at least 30 consecutive calendar days or as directed by the Engineer. The sign shall be mounted on both sides of divided highways, 500 feet in advance of the lane reduction taper. The sign shall be mounted on the right side, 250 feet in advance of the lane reduction taper on undivided highways. The sign shall be repeated, on the side nearest traffic, every 1 mile for 55 MPH zones and every 1/2 mile for 45 MPH zones. These signs shall also be erected immediately after each open entrance ramp within the zone. A sign to indicate the resumption of the statutory speed limit shall be erected at the end of any reduced speed zone. This sign shall be an R–8A.

The Contractor may use signs and supports in used but good condition provided the signs meet current ODOT specifications. Sign faces shall be reflectorized with Type G sheeting complying with the requirements of 730.19 and U.S. Department of Transportation Supplemental Specification for Type III sheeting, FP–85. Work zone speed limit signs shall be mounted on two (2) Item 630 Ground Mounted Supports, No. 4 posts.

Work zone speed limit sign and supports will be measured as the number of sign installations, including the sign and necessary supports. If a sign and support combination is removed and reerected at another location within the project due to changes in the speed zone directed by the Engineer, it shall be considered another unit.

The following estimated quantity have been provided in these plans to be used for the maintenance of traffic:

Item 614 Work Zone Speed Limit Sign.....46 Each

Quantity carried to General Summary

Payment for accepted quantities, complete, in place will be made at the contract unit price. Payment shall be full compensation for all materials, labor, incidentals and equipment for furnishing, erection, maintenance, covering during suspension of work and removal of the signs and supports.

TEMPORARY SIGN SUPPORT REQUIREMENTS

A. PLACEMENT OF SIGNS WHICH WILL REMAIN MORE THAN ONE DAY:

1) LATERAL PLACEMENT TO NEAREST EDGE OF SIGNS SHALL BE AS FOLLOWS:

   a) ON THE RIGHT SIDE OF THE ROAD FOR APPROACHING TRAFFIC (EXCEPT FOR DUAL MOUNTED SIGNS AND SIGNS DESIGNATED IN THE PLANS FOR LEFT SIDE MOUNTING).

   b) CURBED ROADWAY - PREFERABLY 2 FT. (MINIMUM 1 FT.) BEHIND FACE OF CURB.

   c) UNCURBED ROADWAY-12 FT. FROM EDGE OF TRAFFIC LANE OR 6 FT. FROM EDGE OF PAVED OR USEABLE SHOULDER, WHICHEVER IS GREATER.

   d) BEHIND GUARDRAIL OR BARRIER - PREFERABLY 2 FT. BEHIND FACE OF GUARDRAIL (MINIMUM 1 FT.) FOR SIGNS ON CLASS A SUPPORTS: 4 FT. FOR CLASS B OR C SUPPORTS 1 FT. BEHIND FACE OF CONCRETE BARRIER UNLESS BARRIER TOP MOUNTING IS REQUIRED BY THE PLAN.

2) VERTICAL CLEARANCE OF SIGNS, MEASURED ABOVE ROADWAY ELEVATION; SHALL BE AS FOLLOWS:

   a) RURAL - 5 FT. WHEN PARKED CARS, CONSTRUCTION EQUIPMENT, ETC WILL NOT OBSCURE SIGN VISIBILITY.

   b) RURAL AREAS WITH PARKED CARS OR CONSTRUCTION EQUIPMENT - 7 FT.

   c) URBAN - 7 FT.

   d) CARE SHALL BE TAKEN TO ASSURE THAT SIGNS WILL NOT BE OBSCURED BY CONSTRUCTION EQUIPMENT, TREES, WEEDS OR OTHER OBSTACLES. BRUSH, WEEDS OR GRASS WITHIN THE RIGHT OF WAY SHALL BE TRIMMED AS NECESSARY. SIGNS SHALL NORMALLY BE VISIBLE TO TRAFFIC 400 TO 600 FT. IN ADVANCE OF THE SIGN.

3) SUPPORTS FOR SIGNS WHICH WILL REMAIN IN PLACE MORE THAN ONE DAY SHALL BE FIXED RATHER THAN PORTABLE EXCEPT IN SITUATIONS WHERE THE SIGN MUST REST ON PERMANENT PAVEMENT OR OTHER SURFACE WHICH WOULD BE DAMAGED BY INSERTION OF POST TYPE SUPPORTS.

B. PLACEMENT OF SIGNS WHICH WILL REMAIN FOR ONE DAY OR LESS:

1) SAME AS A-1 ABOVE EXECPT THAT SIGNS MAY BE PLACED ON THE ROADWAY ONLY IF THEY DO NOT INTRUDE INTO A TRAFFIC LANE IN USE.

2) MINIMUM OF 1 FT. ABOVE ROADWAY

C. CLASSES OF SUPPORTS:

ALL TEMPORARY SIGN SUPPORTS SHALL BE OF THE FOLLOWING TYPES:

1) CLASS A:

   SUPPORTS SHALL BE USED FOR EXPOSED LOCATIONS ON HIGHWAYS WHERE TRAFFIC APPROACH SPEEDS OF 40 MPH AND HIGHER ARE ENCOUNTERED. THEY ARE ALSO SUITABLE FOR USE IN ALL OTHER LOCATIONS.

2) CLASS B:

   SUPPORTS SHALL BE USED FOR EXPOSED LOCATIONS ON HIGHWAYS WHERE TRAFFIC APPROACH SPEEDS OF LESS THAN 40 MPH ARE ENCOUNTERED. THEY ARE ALSO SUITABLE FOR USE IN ALL APPLICATIONS DEFINED FOR CLASS C SUPPORTS.

3) CLASS C:

   SUPPORTS MAY ONLY BE USED WHERE FULLY PROTECTED BY GUARDRAIL, CONCRETE BARRIER AND IN LOCATIONS POSITIVELY PROTECTED FROM TRAFFIC SUCH AS ON RETAINING WALLS OR WHERE TRAFFIC APPROACH SPEEDS ARE LESS THAN 25 MPH.

D. TRAFFIC APPROACH SPEEDS:

TRAFFIC APPROACH SPEEDS SHALL BE THE LOCALLY POSTED SPEED (NOT ADVISORY SPEED SIGNS) OR THE MEASURED ACTUAL (85TH PERCENTILE) SPEED (IF AVAILABLE) OF APPROACHING TRAFFIC, WHICHEVER IS HIGHER, ADJACENT TO THE SIGN LOCATION.

TABLE

APPROACH SPEED (MPH)	COMPLETELY PROTECTED BY GUARDRAIL OR BARRIER	PARTLY PROTECTED BY GUARDRAIL OR BARRIER *	GREATER THAN 30' FROM EDGE OF PAVEMENT	WITHIN 30' FROM EDGE OF PAVEMENT
40 AND HIGHER	A, B OR C	A OR B	A OR B **	A ONLY
26 TO 39	A, B OR C	A OR B	A OR B	A OR B
0 TO 25	A, B OR C	A, B OR C	A, B OR C	A, B OR C

* IF SUPPORTS ARE BEHIND GUARDRAIL BUT NOT FULLY 5.5' BEHIND FACE OF RAIL OR IF SIGN IS NOT 1' BEHIND FACE OF CONCRETE BARRIER.

** 30' CRITERION IS BASED UPON STRAIGHT ROADWAY AND A SLOPE OF 6:1 OR FLATTER. SUPPORTS ON THE OUTSIDE OF CURVES OR LOCATED DOWN A SLOPE (STEEPER THAN 6:1) WILL REQUIRE USE OF CLASS A SUPPORTS.

E. BALLASTING

BALLASTING OF PORTABLE SUPPORTS SHALL BE WITH SANDBAGS PLACED WITHIN 1 FT. OF THE GROUND. IN NO CASE SHALL HARD OBJECTS BE USED FOR BALLAST.

F. STRENGTH OF SIGN SUPPORTS

THE CONTRACTOR SHALL CHOOSE SIGN SUPPORTS OF ADEQUATE STRENGTH AND WITH ADEQUATE FOUNDATIONS AND ANCHORAGE TO SUPPORT THE SIGN SIZES ERECTED. PROPRIETARY DEVICES SHALL NOT BE LOADED BEYOND THE LIMITS RECOMMENDED BY THE MANUFACTURER. SLIP BASE TYPE BREAKAWAY BEAM CONNECTIONS SHALL BE AT LEAST PARTIALLY EMBEDDED IN CONCRETE CONSISTING OF A 1 FT. DEEP BY 12" DIAMETER COLLAR. SIGN SUPPORTS WHICH FAIL UNDER TYPICAL WIND LOAD CONDITIONS SHALL BE IMMEDIATELY MODIFIED OR REPLACED WITH A SUPPORT OF ADEQUATE STRENGTH.

G. PROHIBITED SUPPORTS

THE FOLLOWING SUPPORT TYPES SHALL NOT BE PERMITTED ON PROJECTS:

1) SUPPORTS FABRICATED FROM AUTOMOTIVE AXLE DIFFERENTIAL ASSEMBLIES AND SIMILARLY HEAVY ASSEMBLIES WHICH CANNOT BE CONSIDERED BREAKAWAY TYPE.

2) SUPPORTS CONSISTING OF VERTICAL POSTS WITH ANGLED BRACES MADE FROM DRIVEPOST OR OTHER RIGID ELEMENTS.

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CLASS A SUPPORTS

FIXED SUPPORTS

1) ALL #2, #3, AND #4 POST WHEN INSTALLED SINGLY OR IN PAIRS ACCORDING TO THE DETAILS OF TC-41.20. THE NUMBER OF SUPPORTS SHALL BE AS SHOWN ON TC-52.10 AND TC-52.20.

2) THE FOLLOWING POST TYPES, WHEN INSTALLED SINGLY, BY IMBEDMENT OR DRIVING INTO EARTH TO A DEPTH OF ABOUT 42 INCHES:

   a) - UP TO 4" X 4" WOOD

   b) - UP TO 2 INCH DIAMETER SCHEDULE 40 STEEL PIPE

   c) - UP TO 3 INCH DIAMETER SCHEDULE 40 ALUMINUM PIPE

   d) - UP TO 2¼INCH SQUARE, 12 GAUGE WALL, PUNCHED STEEL POST

   e) - UP TO 6" X 8" WOOD WITH BREAKAWAY HOLES SHOWN BELOW

3) THE FOLLOWING POST TYPES WHEN INSTALLED IN PAIRS WITH LESS THAN 7 FT. BETWEEN POSTS, BY IMBEDMENT OR DRIVING INTO EARTH TO A DEPTH OF ABOUT 42 INCHES:

   a) - UP TO 4" X 4" WOOD

   b) - UP TO 2 INCH DIAMETER SCHEDULE 40 STEEL PIPE

   c) - UP TO 3 INCH DIAMETER SCHEDULE 40 ALUMINUM PIPE

   d) - UP TO 2 INCH SQUARE, 14 GAUGE WALL, PUNCHED STEEL POST

4) FIXED TYPE III BARRICADES:

5) ALL BREAKAWAY CONNECTION BEAM SUPPORTS, WHEN INSTALLED ACCORDING TO THE PROPER DETAILS SHOWN ON TC-41.10 WITH A MINIMUM CLEAR DISTANCE BETWEEN SUPPORTS OF 7 FT. FOR SUPPORTS LARGER THAN W6 X 9.

6) ANY BREAKAWAY POST OR POST AND CONNECTION WHICH HAS BEEN CRASH TESTED AND APPROVED BY THE FHWA AS SATISFYING THE BREAKAWAY CRITERIA DESCRIBED IN 630.06.

(CONTINUED ON sheet 308)

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH 614 AND OTHER APPLICABLE PORTIONS OF THE C & M SPECIFICATIONS AS WELL AS IN ACCORDANCE WITH PART 7 OF THE OMUTCD. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS TO PROVIDE THIS METHOD OF TRAFFIC CONTROL SHALL BE INCLUDED IN THE LUMP SUM BID FOR 614 MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

REVISED BY:	DATE:

210510	DATE 05/07/90
TEMPORARY SIGN SUPPORT	
PLAN INSERT SHEET	

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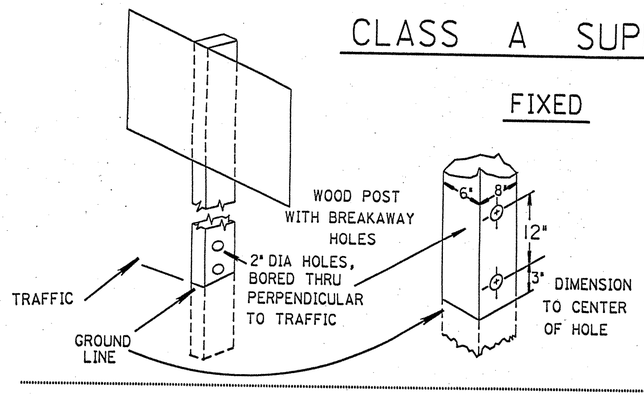
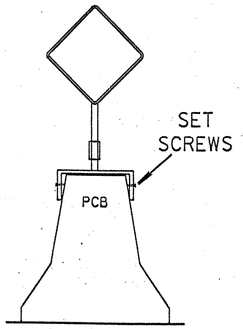
CHKD BY / DATE	AUG-75-4.54 ALL-75-0.00	FHWA REGION 5	231

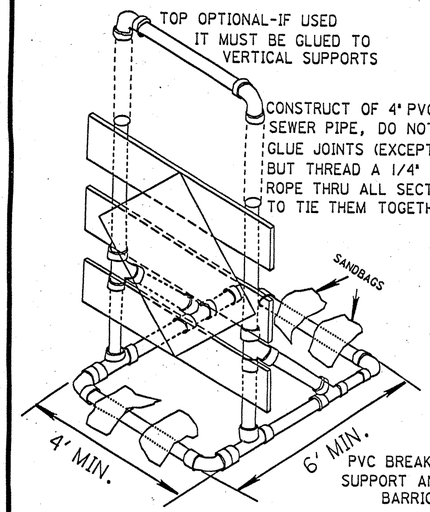
CLASS A SUPPORTS

FIXED

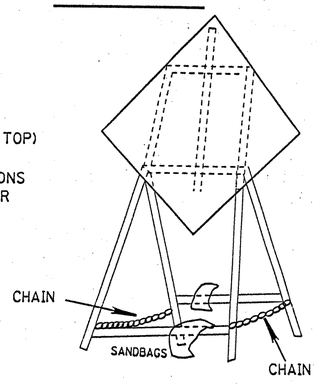




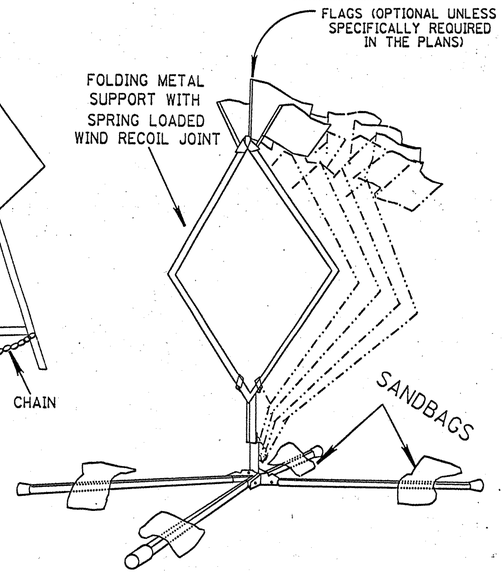
PORTABLE



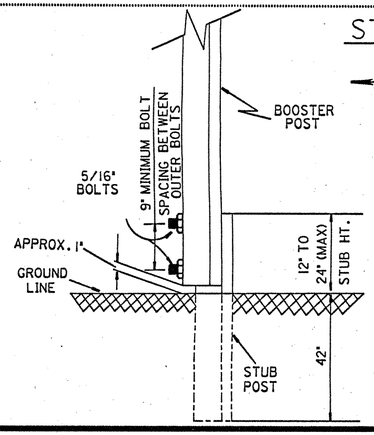
PVC BREAKAWAY SIGN SUPPORT AND TYPE III BARRICADE



EASEL



STUBBING STANDARD

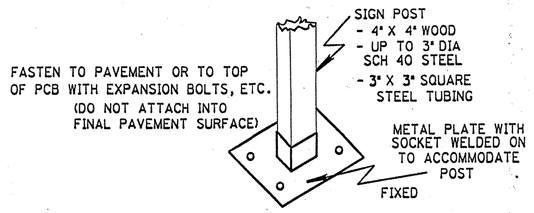


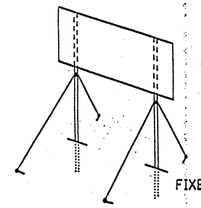
DIRECTION OF TRAFFIC

NOTES

1. FOR USE WITH #3 POST OR SMALLER ONLY
2. BOLTS SHALL BE STEEL OR ALUMINUM
3. A MINIMUM OF TWO FASTENERS SHALL BE USED PER ASSEMBLY
4. BOOSTER POST SHALL BE MOUNTED BEHIND STUB POST
5. BOOSTER POST SHALL BE THE SAME OR 1 LB./FT. LESS THAN STUB POST

CLASS B SUPPORTS

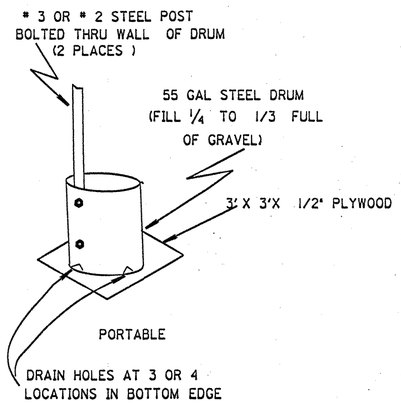




ANY CLASS A SIGN POST WITH GUY WIRES ADDED TO INCREASE SIGN CARRYING ABILITY. (GUY WIRES SHALL NOT BE HEAVIER THAN 1/8" DIA. BRAIDED CABLE. GUY ANCHORS SHALL NOT EXTEND MORE THAN 6" ABOVE GROUND SURFACE).

CLASS C SUPPORTS

1. ALL BEAM TYPE SUPPORTS WITHOUT BREAKAWAY CONNECTIONS.
2. SUPPORTS SIMILAR TO BUT LARGER THAN PERMITTED FOR CLASS A OR B.
3. THE STEEL DRUM(S) SHOWN BELOW MAY BE USED ONLY WHEN LOCATED BEHIND GUARDRAIL OR BARRIER.



PORTABLE

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH 614 AND OTHER APPLICABLE PORTIONS OF THE C & M SPECIFICATIONS AS WELL AS IN ACCORDANCE WITH PART 7 OF THE OMUTCD. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS TO PROVIDE THIS METHOD OF TRAFFIC CONTROL SHALL BE INCLUDED IN THE LUMP SUM BID FOR 614 MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

REVISED BY:	DATE:
210511	DATE 05/07/90
TEMPORARY SIGN SUPPORT	
PLAN INSERT SHEET	

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I.R.-75 TRAFFIC CONTROL DETAILS FOR INSIDE PARAPET RETRO-FIT AT BRIDGE NO. AUG-75-0498 L&R

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ALLEN COUNTY
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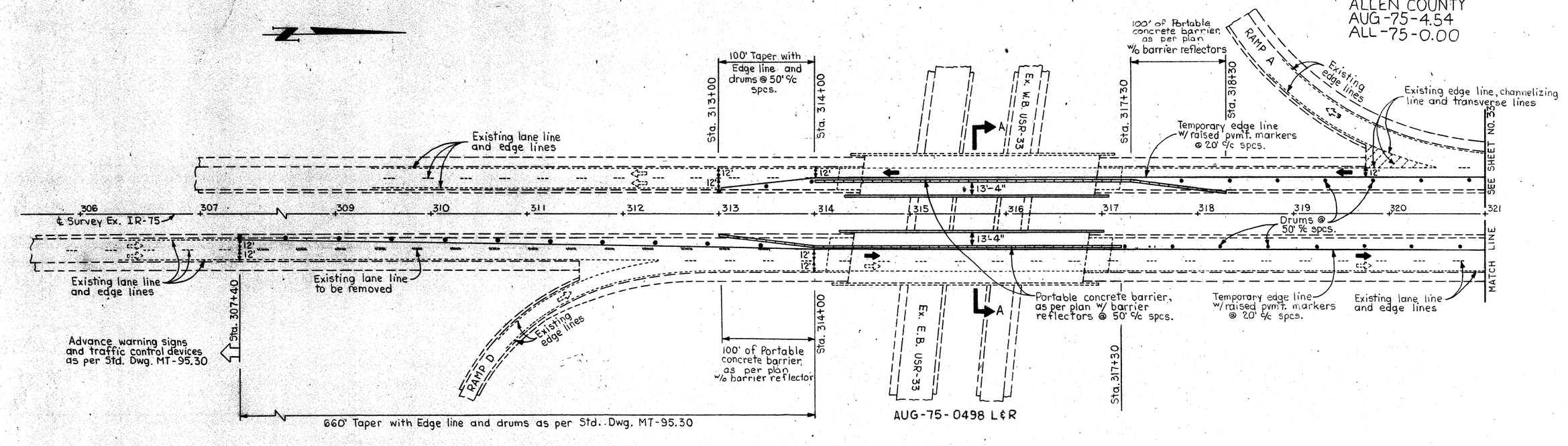
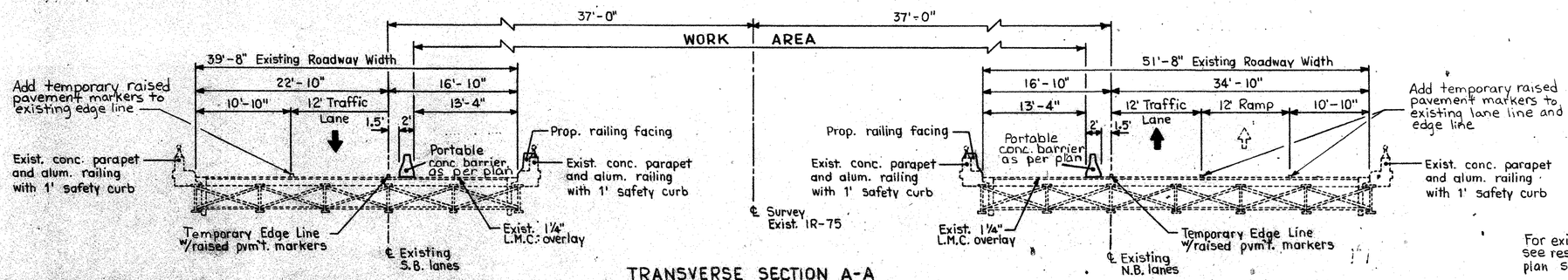
ALL-75-0.00

SCALE IN FEET 0 50 100



PLAN



TRANSVERSE SECTION A-A

NOTES

For existing sign details not shown see respective sign and pvmt. marking plan sheets.

For additional traffic control notes and details see Std. Dwg. MT-95.30

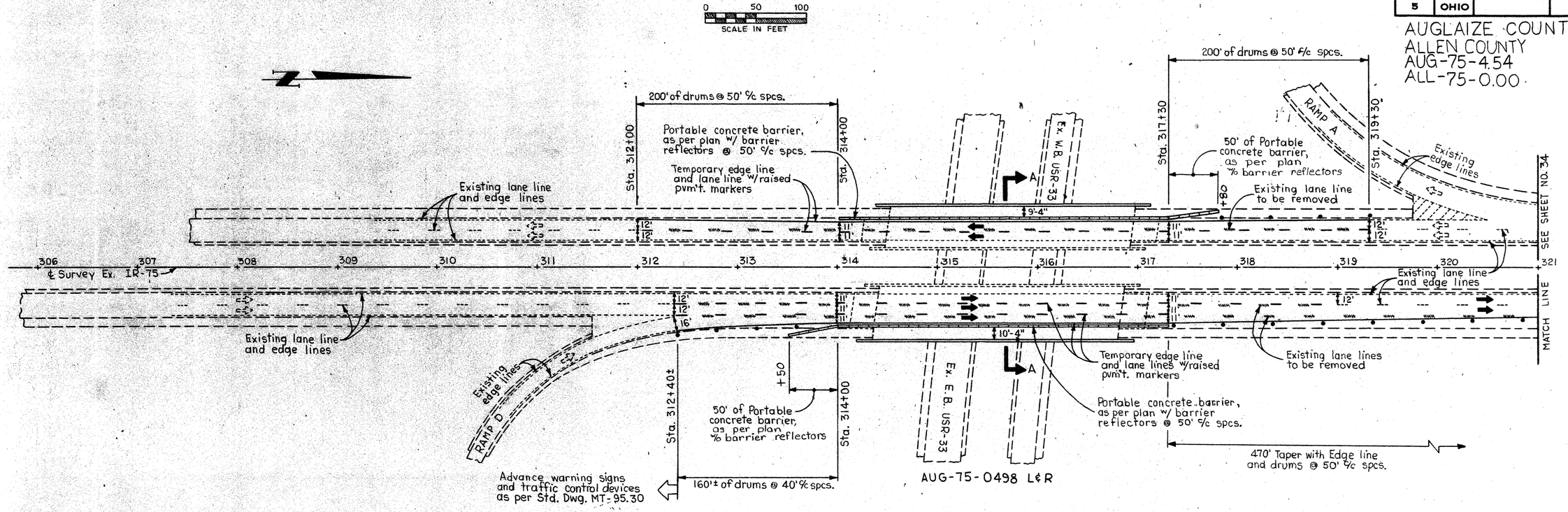
I.R.-75 TRAFFIC CONTROL DETAILS FOR OUTSIDE PARAPET RETRO-FIT AT BRIDGE NO. AUG-75-0498 L&R

FHWA REGION	STATE	PROJECT	
5	OHIO		

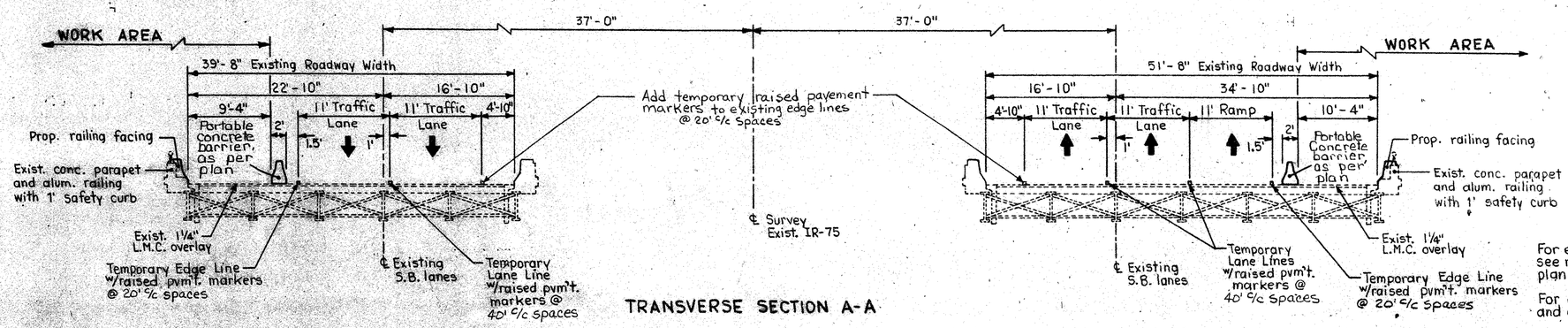
32
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

0 50 100
SCALE IN FEET



PLAN



TRANSVERSE SECTION A-A

NOTES

For existing sign details not shown see respective sign and pvm't. marking plan sheets.

For additional traffic control notes and details see Std. Dwg. MT-95.30

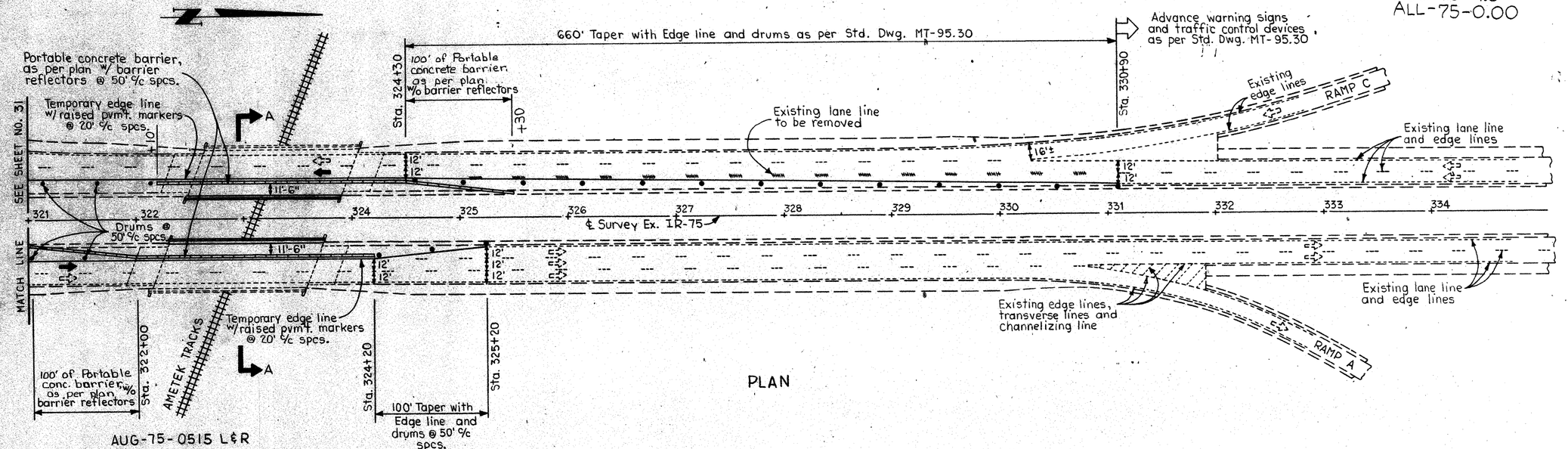
I.R.-75 TRAFFIC CONTROL DETAILS FOR INSIDE PARAPET RETRO-FIT AT BRIDGE NO. AUG-75-0515 L&R

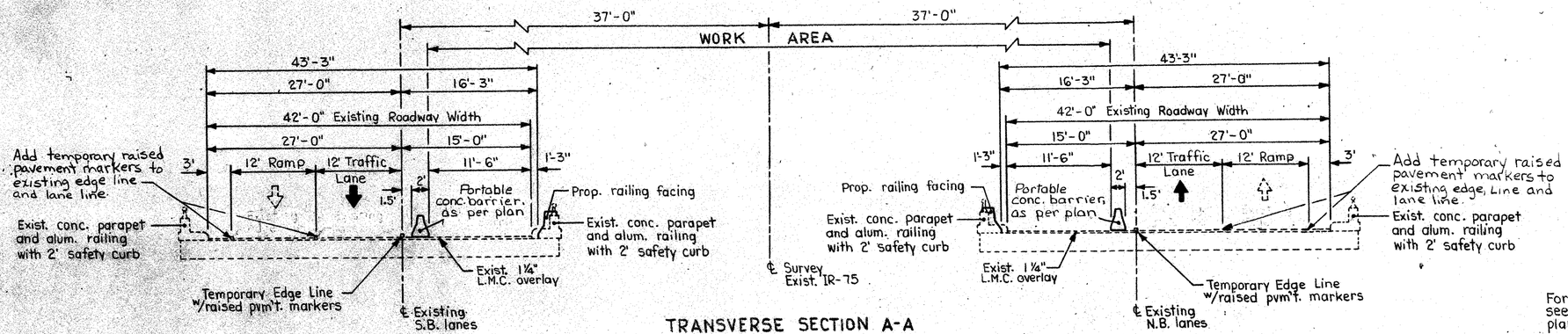
FHWA REGION	STATE	PROJECT	
5	OHIO		

33
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

0 50 100
SCALE IN FEET





NOTES

For existing sign details not shown see respective sign and pvmt. marking plan sheets

For additional traffic control notes and details see Std. Dwg. MT-95.30

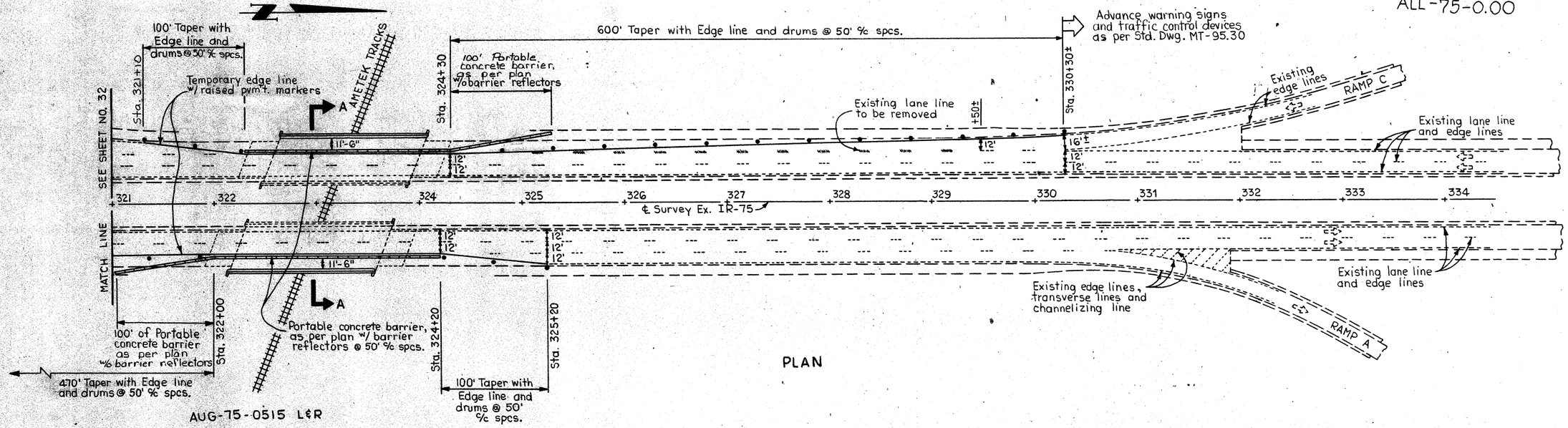
I.R.-75 TRAFFIC CONTROL DETAILS FOR OUTSIDE PARAPET RETRO-FIT AT BRIDGE NO. AUG-75-0515 L&R

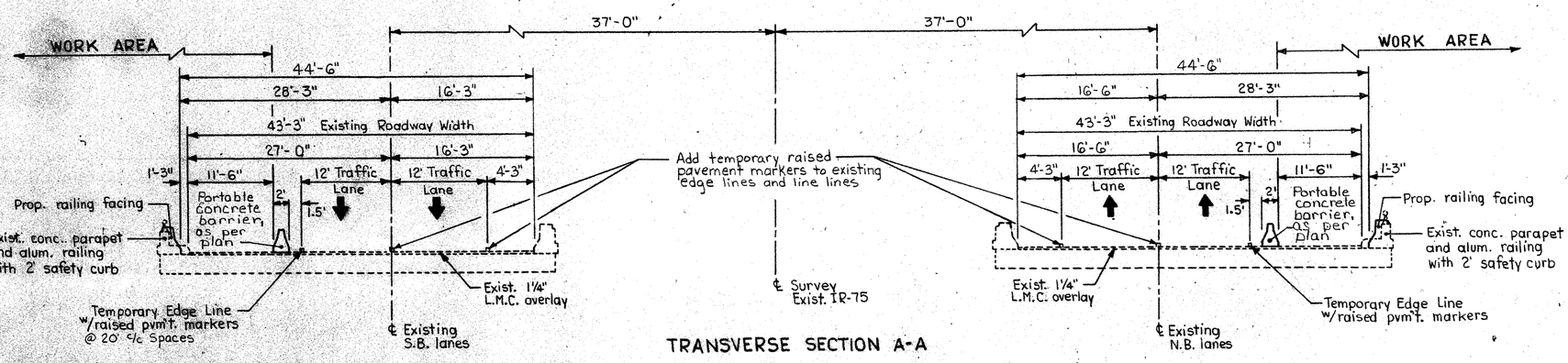
FHWA REGION	STATE	PROJECT	
5	OHIO		

34
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

0 50 100
SCALE IN FEET





NOTES

For existing sign details not shown see respective sign and pvm't. marking plan sheets.

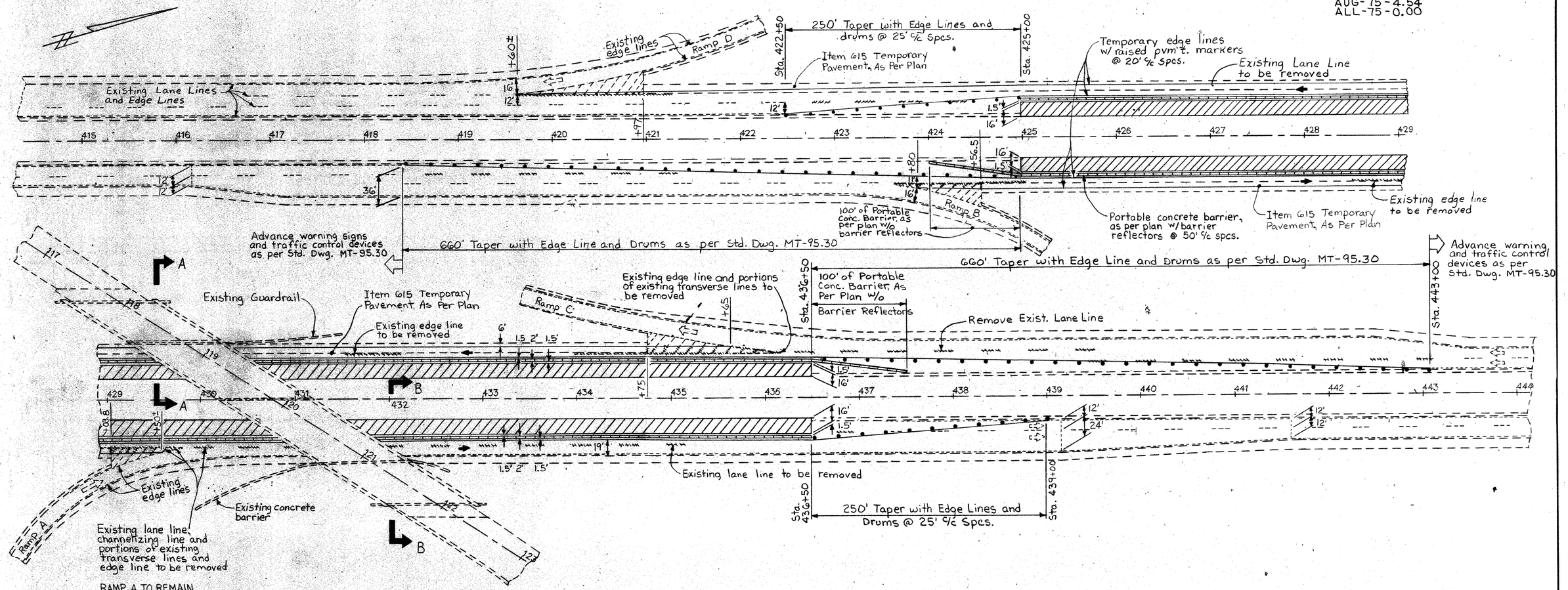
For additional traffic control notes and details see Std. Dwg. MT-95.30

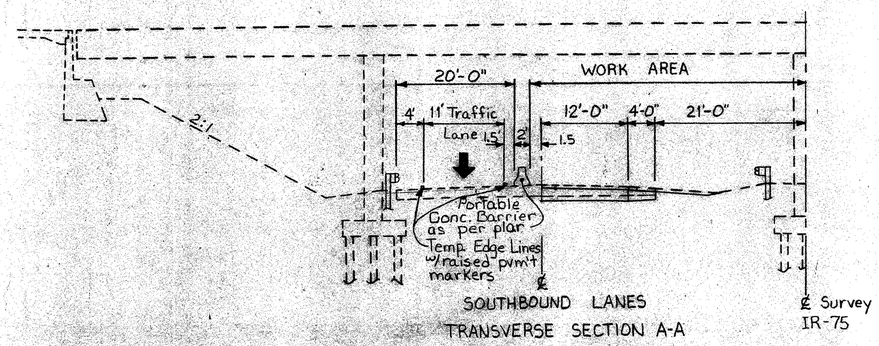
I.R.-75 TRAFFIC CONTROL DETAILS FOR STAGE 1 PAVEMENT AND BERM REPLACEMENT AT BRIDGE AUG-75-0720

FHWA REGION	STATE	PROJECT	
5	OHIO		

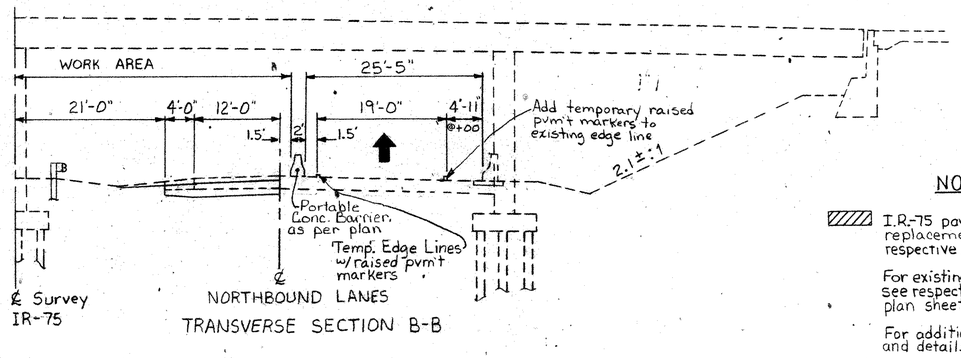
35/231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00





STAGE 1



NOTES

I.R.-75 pavement and berm salvage and replacement area see respective plan sheets for pvm't. details

For existing sign details not shown see respective sign and pvm't. marking plan sheet.

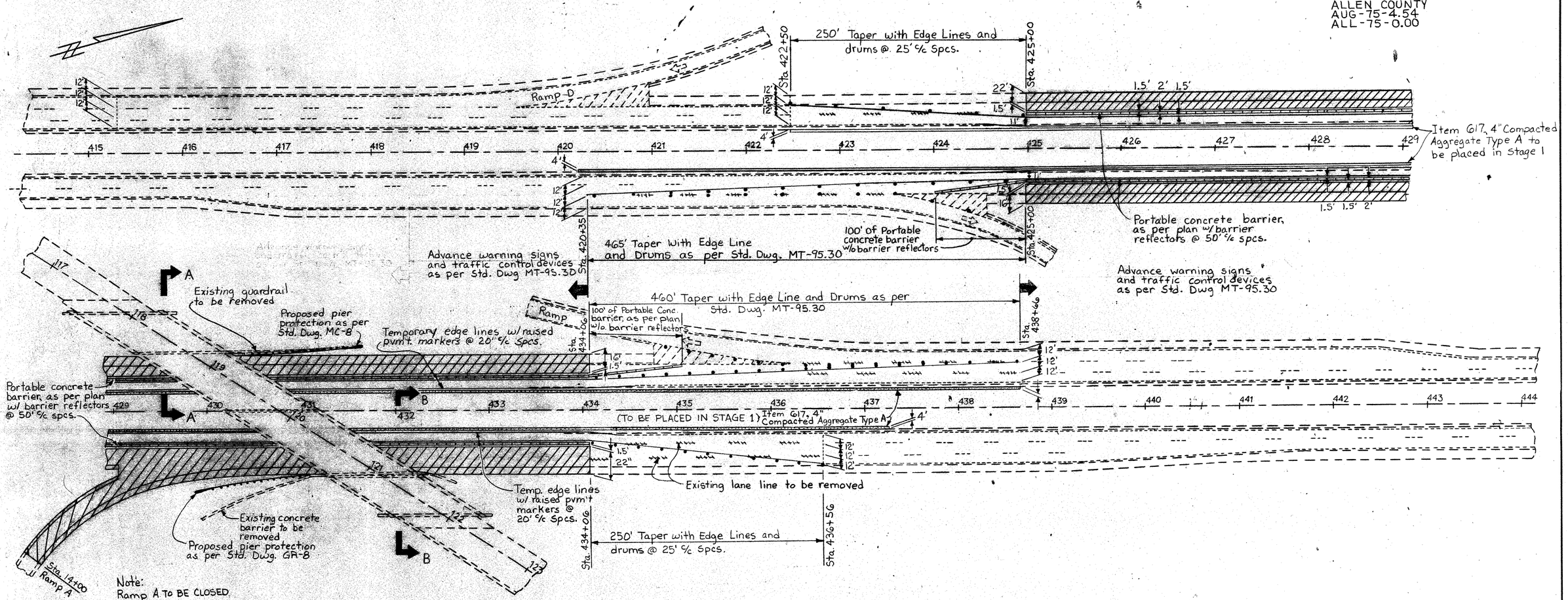
For additional traffic control notes and details see Std. Dwg. MT-95.30

I.R.-75 TRAFFIC CONTROL DETAILS FOR STAGE 2 PAVEMENT AND BERM REPLACEMENT AT BRIDGE AUG-75-0720

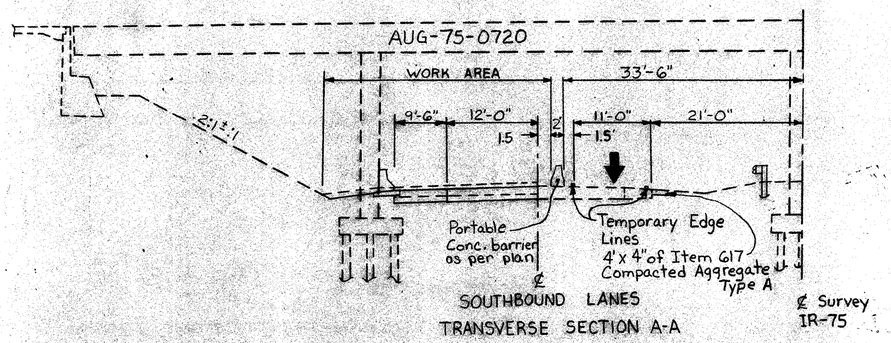
FHWA REGION	STATE	PROJECT	
5	OHIO		

36
231

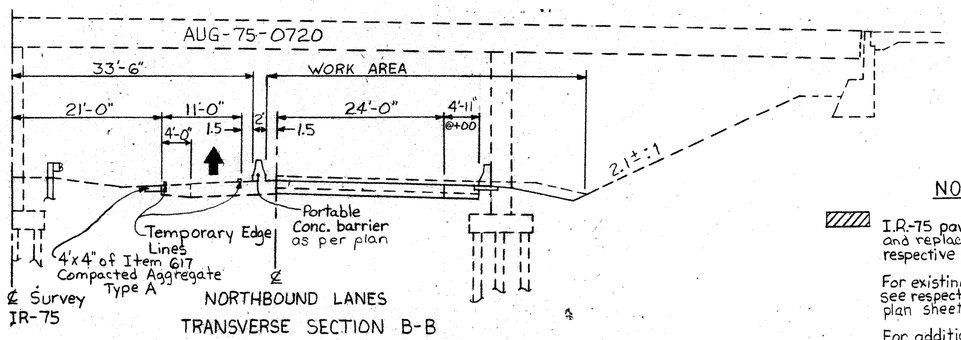
AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00



Note:
Ramp A TO BE CLOSED DURING STAGE 2 CONSTRUCTION ON IR-75



STAGE 2



NOTES

I.R.-75 pavement and berm salvage and replacement area. see respective plan sheets for pvmt. details

For existing sign details not shown see respective sign and pvmt. marking plan sheet.

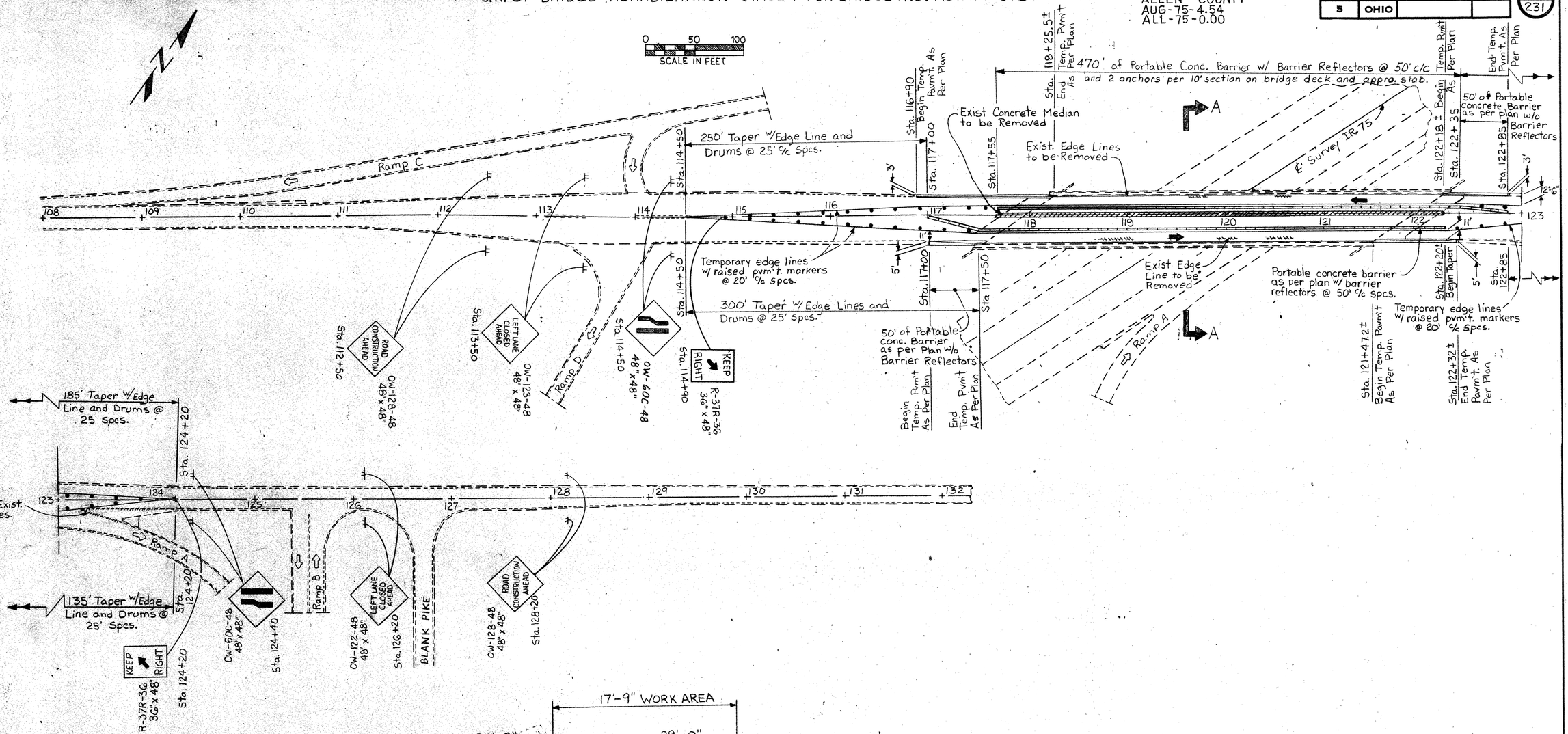
For additional traffic control notes and details see Std. Dwg. MT-95.30

S.R. 67 BRIDGE REHABILITATION STAGE 1 FOR BRIDGE NO. AUG-75-0720

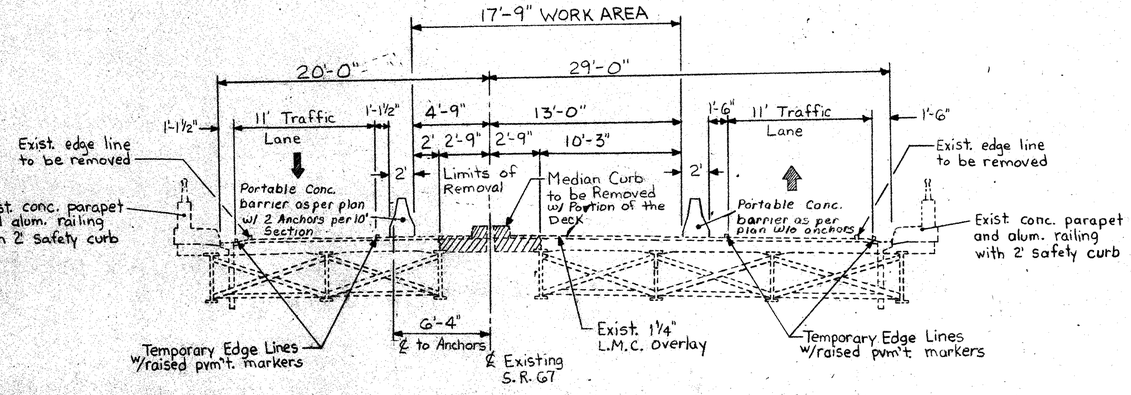
AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

FHWA REGION	STATE	PROJECT	
5	OHIO		

37
231



NOTE:
RAMP A TO BE CLOSED DURING STAGE 2 CONSTRUCTION ON IR-75



TRANSVERSE SECTION A-A

Notes:

For existing sign details not shown see respective sign and pvm't. marking plan sheets.

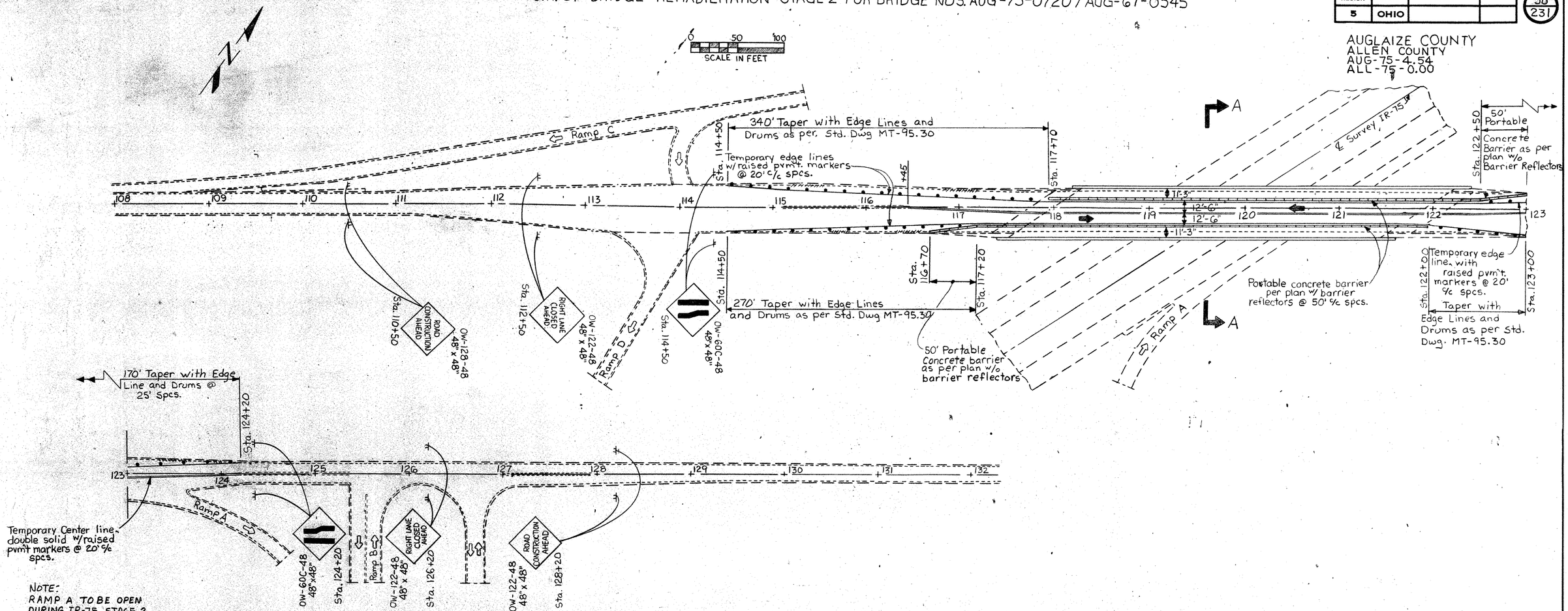
For additional traffic control notes and details see Std. Dwg. MT-95.30

S.R. 67 BRIDGE REHABILITATION STAGE 2 FOR BRIDGE NOS. AUG-75-0720 / AUG-67-0345

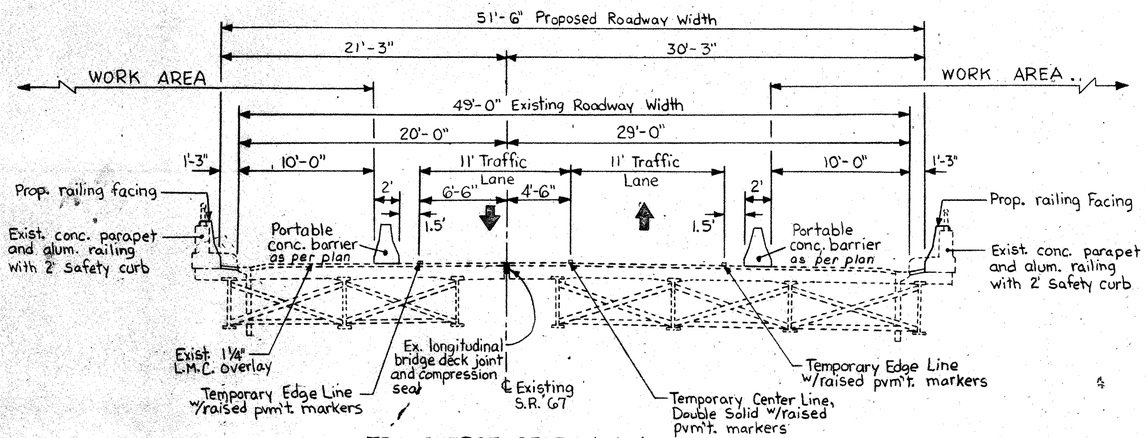
FHWA REGION	STATE	PROJECT	
5	OHIO		

38
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00



NOTE:
RAMP A TO BE OPEN DURING IR-75 STAGE 2 CONSTRUCTION



TRANSVERSE SECTION A-A

NOTES

For existing sign details not shown see respective sign and pvmt. marking plan sheets.

For additional traffic control notes and details see Std. Dwg. MT-95.30

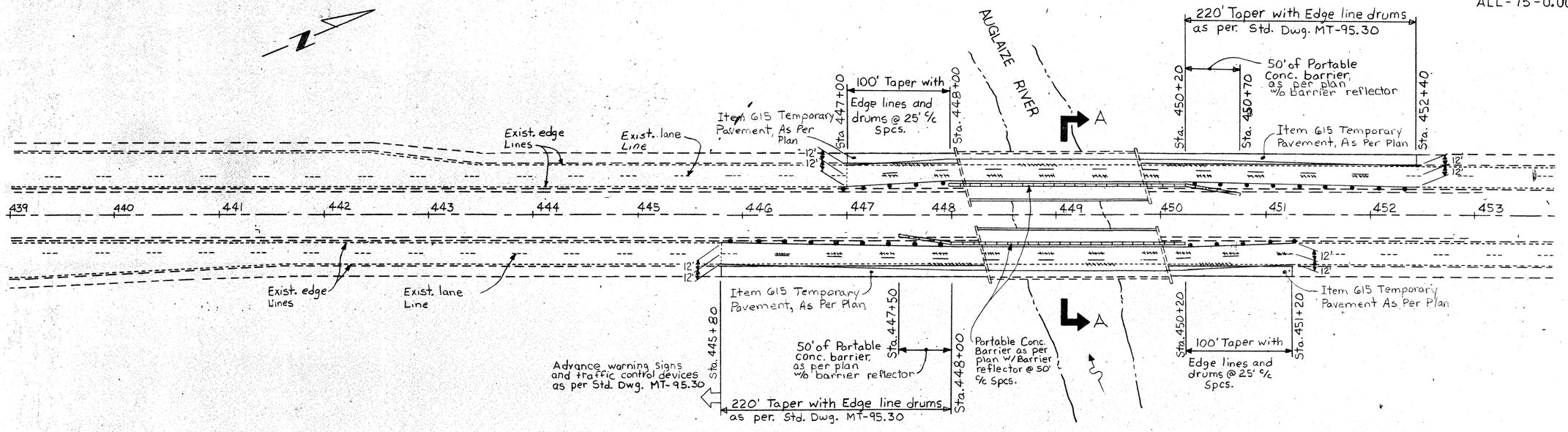
IR-75 TRAFFIC CONTROL DETAILS FOR INSIDE GUARDRAIL REPLACEMENT AT BRIDGE Nº AUG-75-0756 L & R

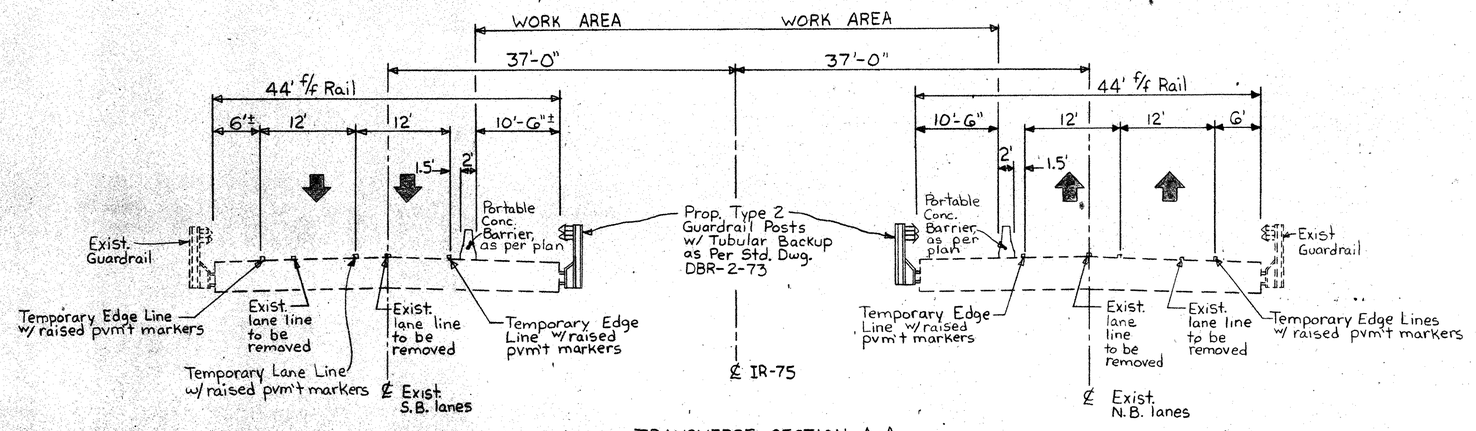
FHWA REGION	STATE	PROJECT	
5	OHIO		

39
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

0 50 100
SCALE IN FEET





TRANSVERSE SECTION A-A

NOTES:
For existing sign details not shown see respective sign and pvm't. marking plan sheets.

For additional traffic control notes and details see Std. Dwg. MT-95.30

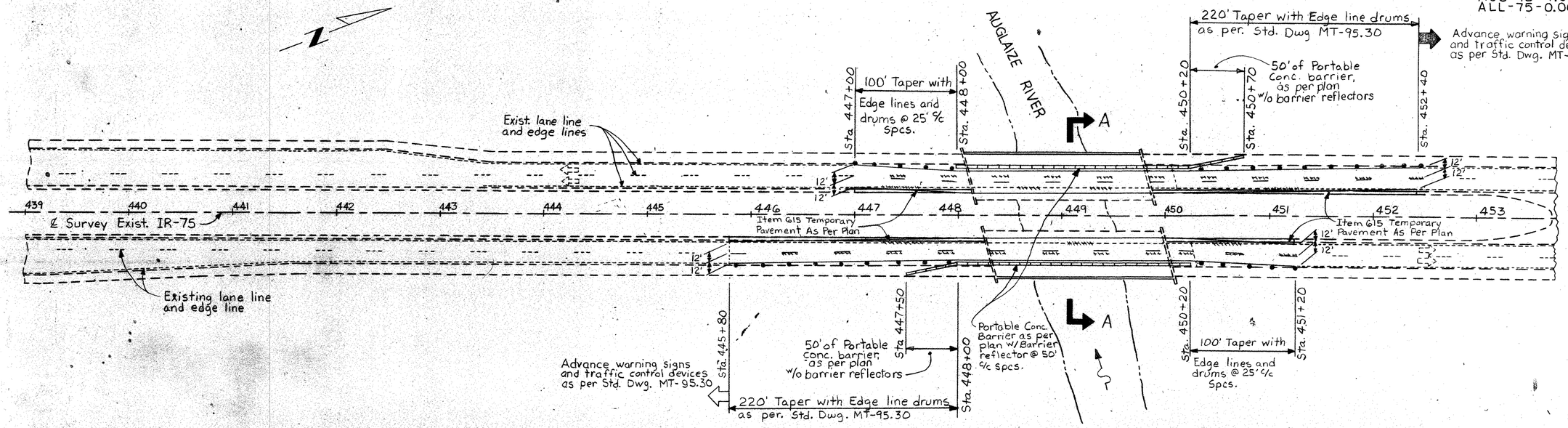
IR-75 TRAFFIC CONTROL DETAILS FOR OUTSIDE GUARDRAIL REPLACEMENT AT BRIDGE Nº AUG-75-0756 L & R

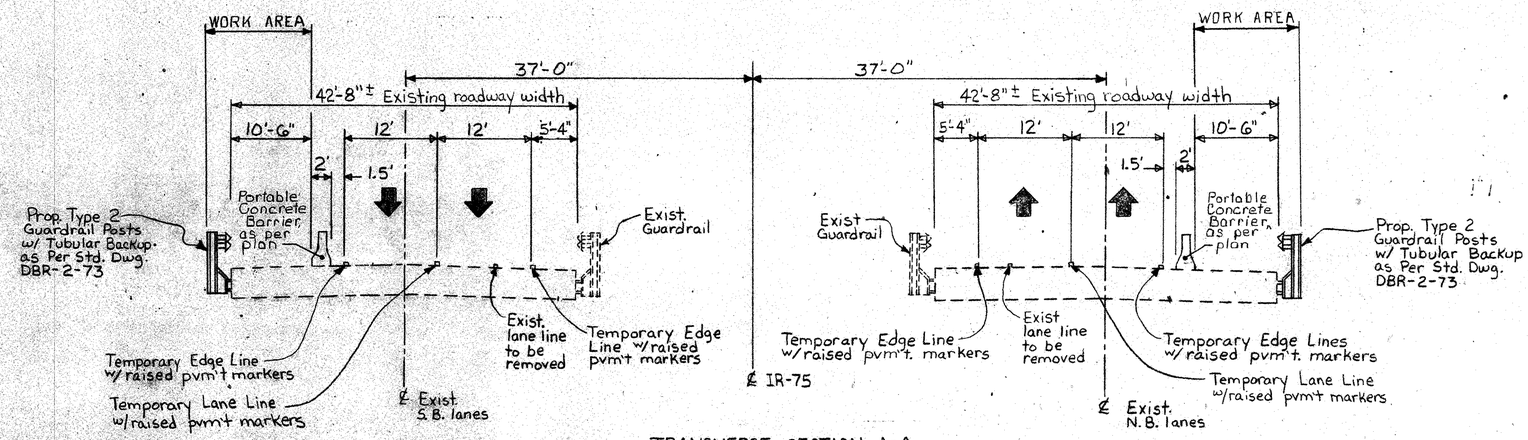
FHWA REGION	STATE	PROJECT	
5	OHIO		

40
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

SCALE IN FEET 0 50 100





TRANSVERSE SECTION A-A

NOTES:
For existing sign details not shown See respective Sign and pvm't. marking plan sheets.

For additional traffic control notes and details see Std. Dwg. MT-95.30

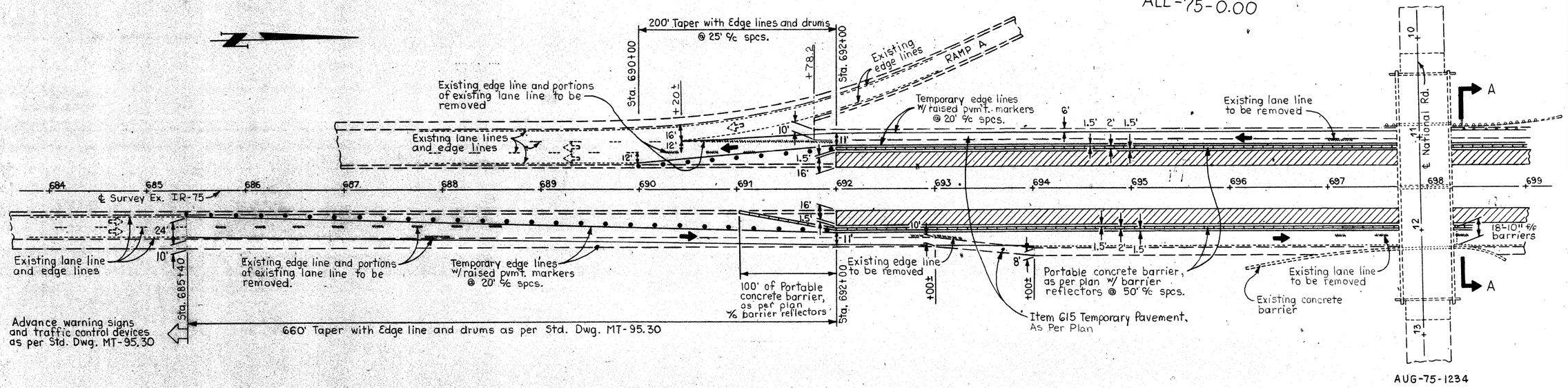
I.R.-75 TRAFFIC CONTROL DETAILS FOR STAGE 1 PAVEMENT AND BERM REPLACEMENT AT BRIDGE NO. AUG-75-1234

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

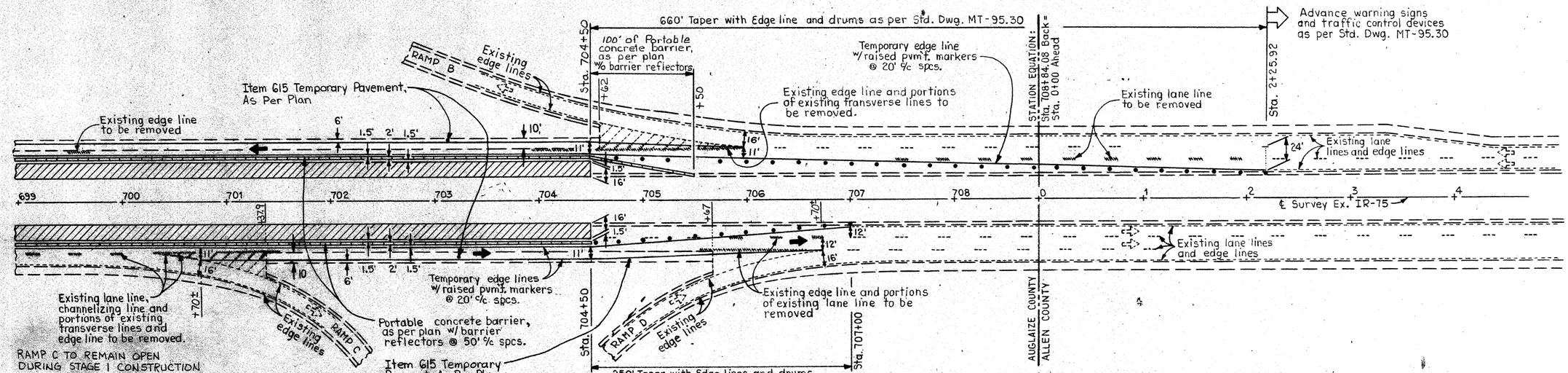
FHWA REGION	STATE	PROJECT	
5	OHIO		

41
231

SCALE IN FEET 0 50 100

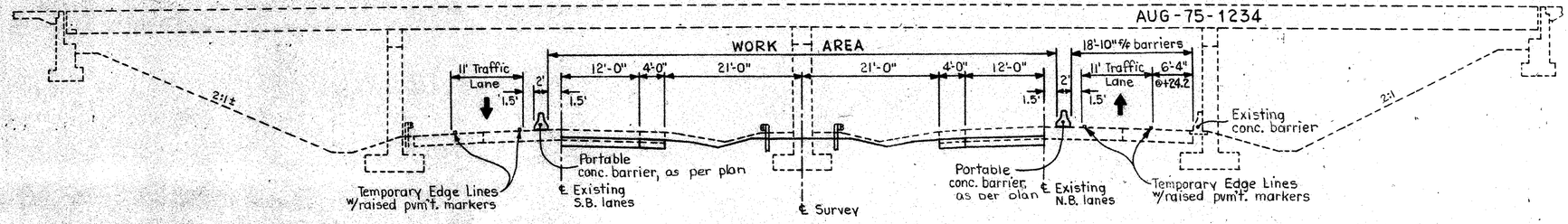


AUG-75-1234



RAMP C TO REMAIN OPEN DURING STAGE 1 CONSTRUCTION ON IR-75

AUG-75-1234



TRANSVERSE SECTION A-A

NOTES

I.R.-75 pavement and berm salvage and replacement area. See respective plan sheets for pvmt. details

For existing sign details not shown see respective sign and pvmt. marking plan sheet.

For additional traffic control notes and details see Std. Dwg. MT-95.30

I.R.-75 TRAFFIC CONTROL DETAILS FOR STAGE 2 PAVEMENT AND BERM REPLACEMENT AT BRIDGE NO. AUG-75-1234

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

FHWA REGION	STATE	PROJECT	
5	OHIO		

42
231

SCALE IN FEET 0 50 100

200' Taper with Edge lines and drums @ 50' ℄ spcs. (max.)

Sta. 690+00 — Sta. 692+00 — Existing edge lines — RAMP A

Existing lane lines and edge lines

Temporary edge lines w/raised pvmt. markers @ 20' ℄ spcs.

Portable concrete barrier, as per plan w/ barrier reflectors @ 50' ℄ spcs.

Proposed pier protection as per Std. Dwg. MC-8

℄ National Rd.

649 685 686 687 688 689 690 691 692 693 694 695 696 697 699

4' 1.5' 2' 1.5' 4' Berm

Item G17, 4" Compacted Aggregate, Type A (TO BE PLACED IN STAGE 1)

Existing lane line and edge lines

Temporary edge line w/raised pvmt. markers @ 20' ℄ spcs.

Sta. 685+40

660' Taper with Edge line and drums as per Std. Dwg. MT-95.30

Advance warning signs and traffic control devices as per Std. Dwg. MT-95.30

Sta. 649+20 Add overlay to existing sign

Cridersville CLOSED TO CMLE EXIT 118

GL 15'-6" x 6'

Sta. 692+00

100' of Portable concrete barrier, as per plan w/ barrier reflectors

Sta. 693+00 Add overlay to existing sign

Cridersville CLOSED EXIT 118

GP 15'-6" x 5'-6"

10.38' — +00 — +25.44 — +65.92

Existing concrete barrier to be removed

Proposed pier protection as per Std. Dwg. GR-8

AUG-75-1234

10 11 12 13

A — A

Sta. 704+35±

500' Taper with Edge line and drums @ 50' ℄ spcs. (max.)

N-124-96 8'x5'

EXIT 117

RAMP B

Existing edge lines

100' of Portable concrete barrier, as per plan w/o barrier reflectors

+50

Existing edge lines and transverse lines

Temporary edge line w/raised pvmt. markers @ 20' ℄ spcs.

Existing lane line

STATION EQUATION: Sta. 708+84.08 Back = Sta. 0+00 Ahead

Sta. 0+65.92

OW-96-48 EXIT Sta. 0+65

Advance warning signs and traffic control devices as per Std. Dwg. MT-95.30

[EXIT 118] Cridersville Sta. 4+35±

Temporary edge lines w/raised pvmt. markers @ 20' ℄ spcs.

699 700 701 702 703 704 705 706 707 708 0 1 2 3 4

1.5' 2' 1.5' 4' Berm

(TO PLACED IN STAGE 1) Item G17, 4" Compacted Aggregate, Type A

℄ Survey Ex. IR-75

Existing lane lines and edge lines

Existing lane lines and edge lines

Portable concrete barrier as per plan w/ barrier reflectors @ 50' ℄ spcs.

Temporary edge lines w/raised pvmt. markers @ 20' ℄ spcs.

Sta. 704+50 — Sta. 707+00 — RAMP D — Existing edge lines

AUGLAIZE COUNTY ALLEN COUNTY

250' Taper with Edge lines and drums @ 50' ℄ spcs. (max.)

Sta. 710+04 EXIT N-124-96 8'x5'

Ramp C Sta. 5+00 — RAMP C

RAMP C TO BE CLOSED DURING STAGE 2 CONSTRUCTION ON IR-75

NOTES

I.R.-75 pavement and berm salvage and replacement area. See respective plan sheets for pvmt. details.

For existing sign details not shown see respective sign and pvmt. marking plan sheet.

For additional traffic control notes and details see Std. Dwg. MT-95.30

TRANSVERSE SECTION A-A

AUG-75-1234

WORK AREA 12'-0" — 4'-0" — 11' Traffic Lane — 21'-0" — 21'-0" — 11' Traffic Lane — 4'-0" — 12'-0" — WORK AREA 12'-0" — 10.38'@ +25.61

Portable conc. barrier as per plan

Item G17, 4" Compacted Aggregate, Type A

Existing concrete barrier to be removed

Temporary Edge lines w/raised pvmt. markers

Proposed concrete barrier pier protection

℄ Existing S.B. lanes

℄ Survey

℄ Existing N.B. lanes

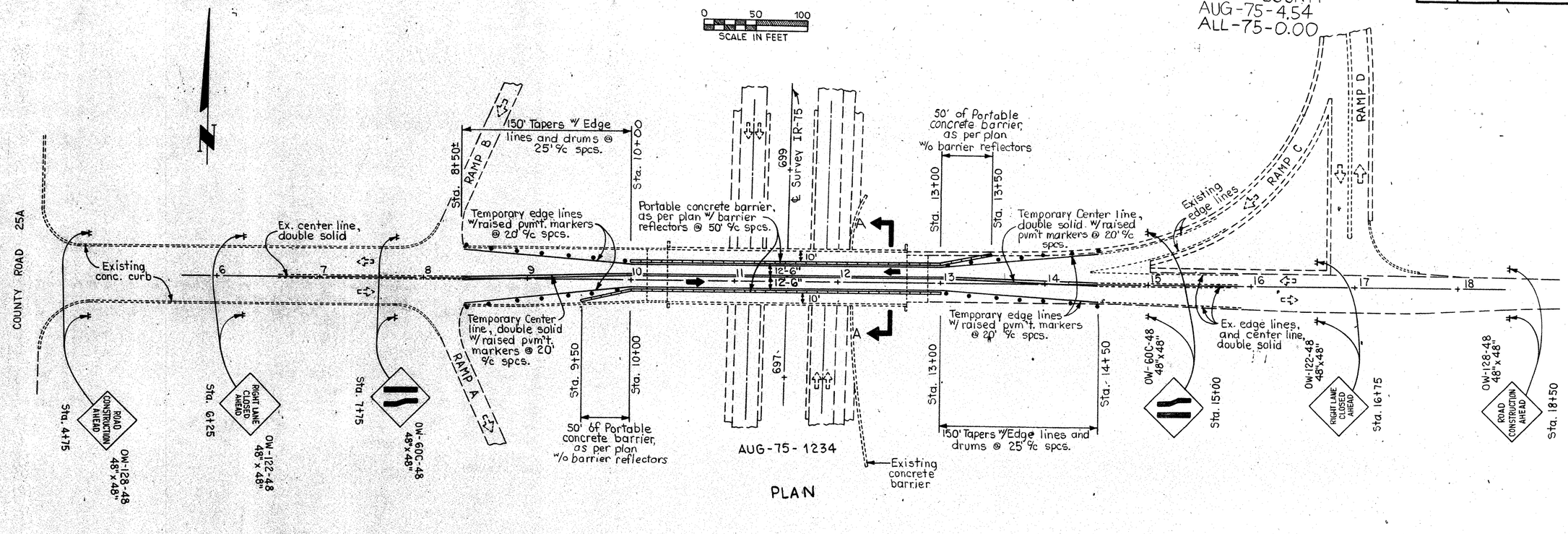
Proposed concrete barrier pier protection

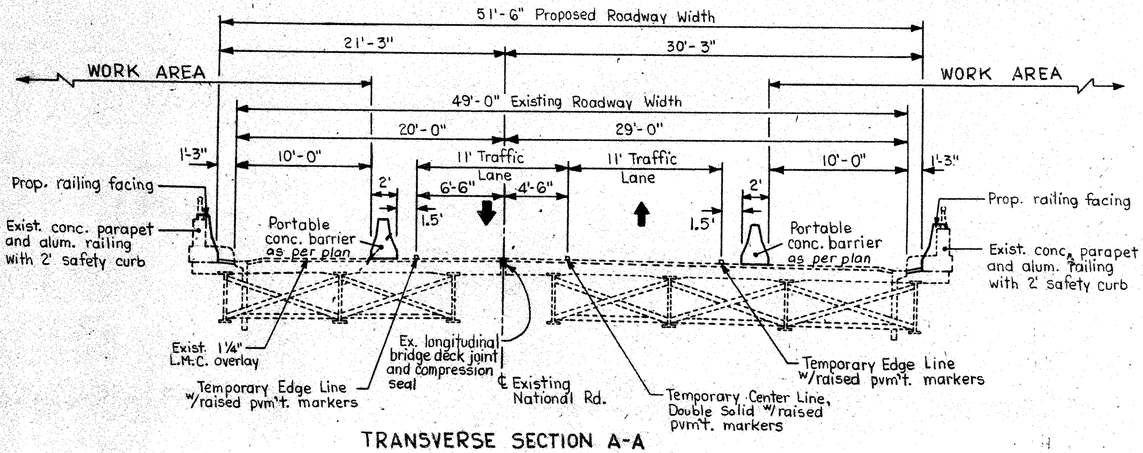
NATIONAL ROAD TRAFFIC CONTROL DETAILS FOR PARAPET RETRO-FIT AT BRIDGE NO. AUG-75-1234

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

FHWA REGION	STATE	PROJECT	
5	OHIO		

43
231





TRANSVERSE SECTION A-A

NOTES

For existing sign details not shown see respective sign and pvm't. marking plan sheets.

For additional traffic control notes and details see Std. Dwg. MT-95.30

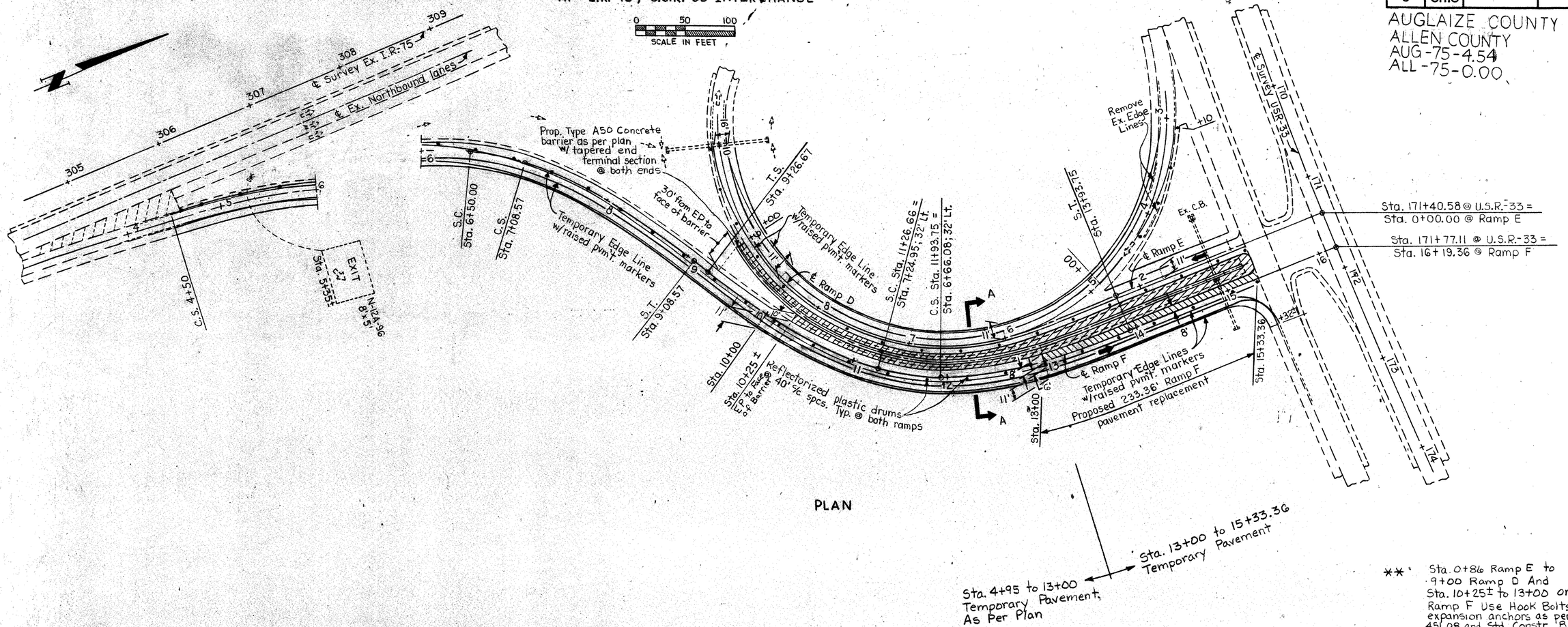
NATIONAL ROAD TRAFFIC CONTROL DETAILS FOR PARAPET RETRO-FIT AT BRIDGE NO. AUG-75-1234

TRAFFIC CONTROL DETAILS FOR GUARDRAIL REPLACEMENT AT RAMP D/ RAMP F AT I.R.-75 / U.S.R.-33 INTERCHANGE

FHWA REGION	STATE	PROJECT	
5	OHIO		

44
231

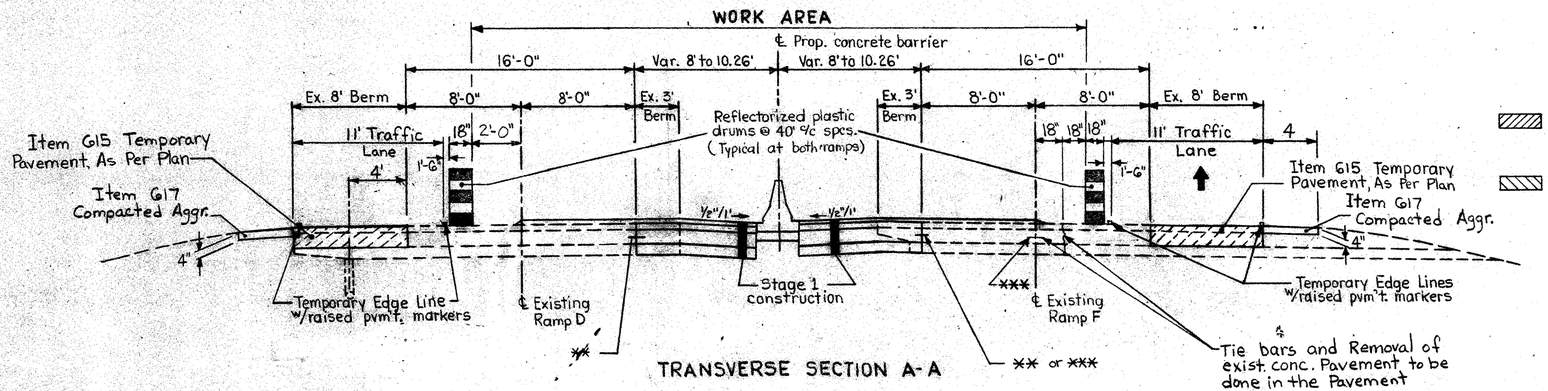
AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00



PLAN

Sta. 4+95 to 13+00 Temporary Pavement, As Per Plan

Sta. 13+00 to 15+33.36 Temporary Pavement



TRANSVERSE SECTION A-A

** Sta. 0+86 Ramp E to 9+00 Ramp D And Sta. 10+25± to 13+00 on Ramp F Use Hook Bolts with expansion anchors as per CMS. 451.08 and Std. Constr. BP-3

*** Sta. 13+00 to 15+33.36 Ramp F Use Expansion Anchors as per. Std. BP-3

Proposed berm replacement and widening to be constructed during Stage 1

Proposed Ramp F pavement replacement to be constructed during Stage 1

Item 615 Temporary Pavement, As Per Plan to maintain traffic during Stage 1.

For existing sign details not shown see respective sign and pvm't. marking plan sheet.

For additional traffic control notes and details see Std. Dwg. MT-95.30

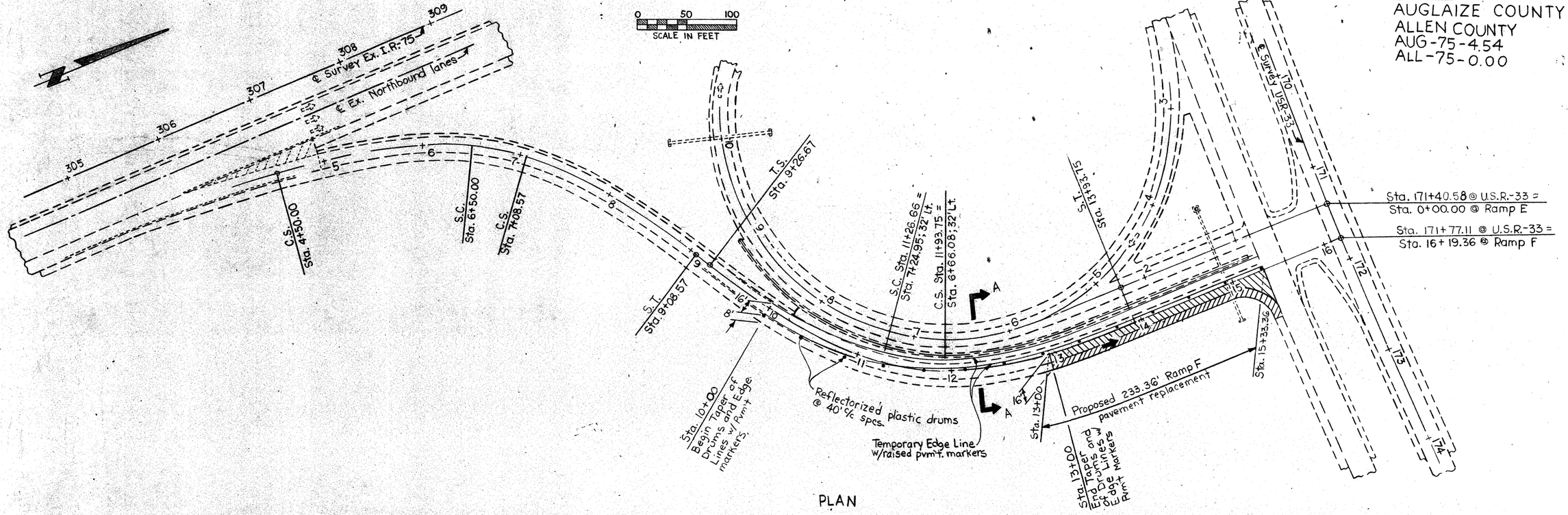
TRAFFIC CONTROL DETAILS FOR STAGE 1 RAMP D / RAMP F AT IR.-75 / U.S.R.-33 INTERCHANGE

TRAFFIC CONTROL DETAILS FOR GUARDRAIL REPLACEMENT AT RAMP D/ RAMP F AT I.R.-75 / U.S.R.-33 INTERCHANGE

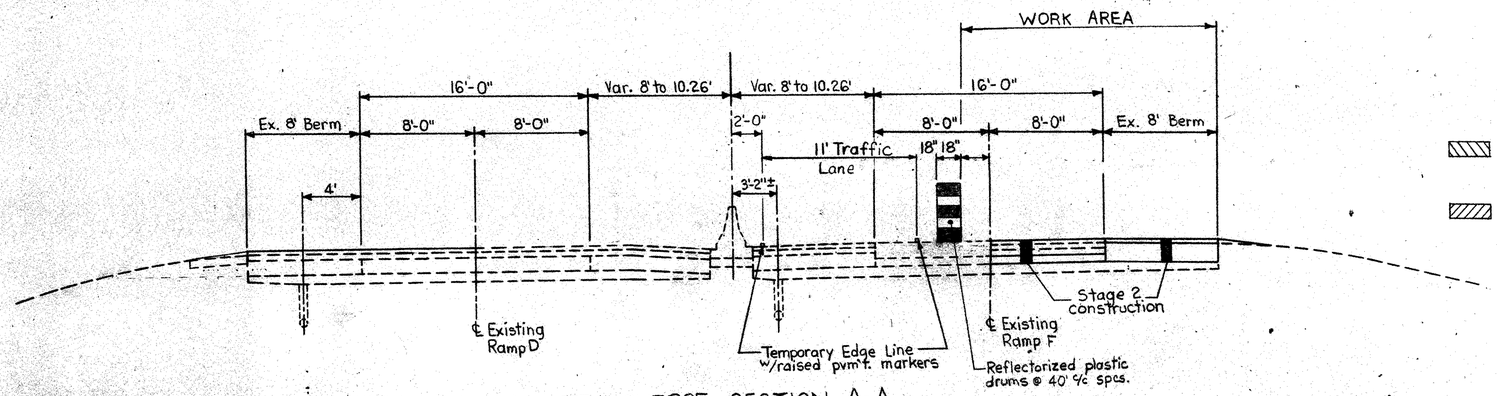
FHWA REGION	STATE	PROJECT	
5	OHIO		

45
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00



PLAN



TRANSVERSE SECTION A-A

NOTES:

- Proposed berm replacement and widening to be constructed during Stage 2
- Proposed Ramp F pavement replacement to be constructed during Stage 2
- For existing sign details not shown see respective sign and pvmt. marking plan sheet.
- For additional traffic control notes and details see Std. Dwg. MT-95.30

TRAFFIC CONTROL DETAILS FOR CONCRETE MEDIAN AT RAMP B AT I.R.-75 / S.R.67 INTERCHANGE

FHWA REGION	STATE	PROJECT	
5	OHIO		

46
231

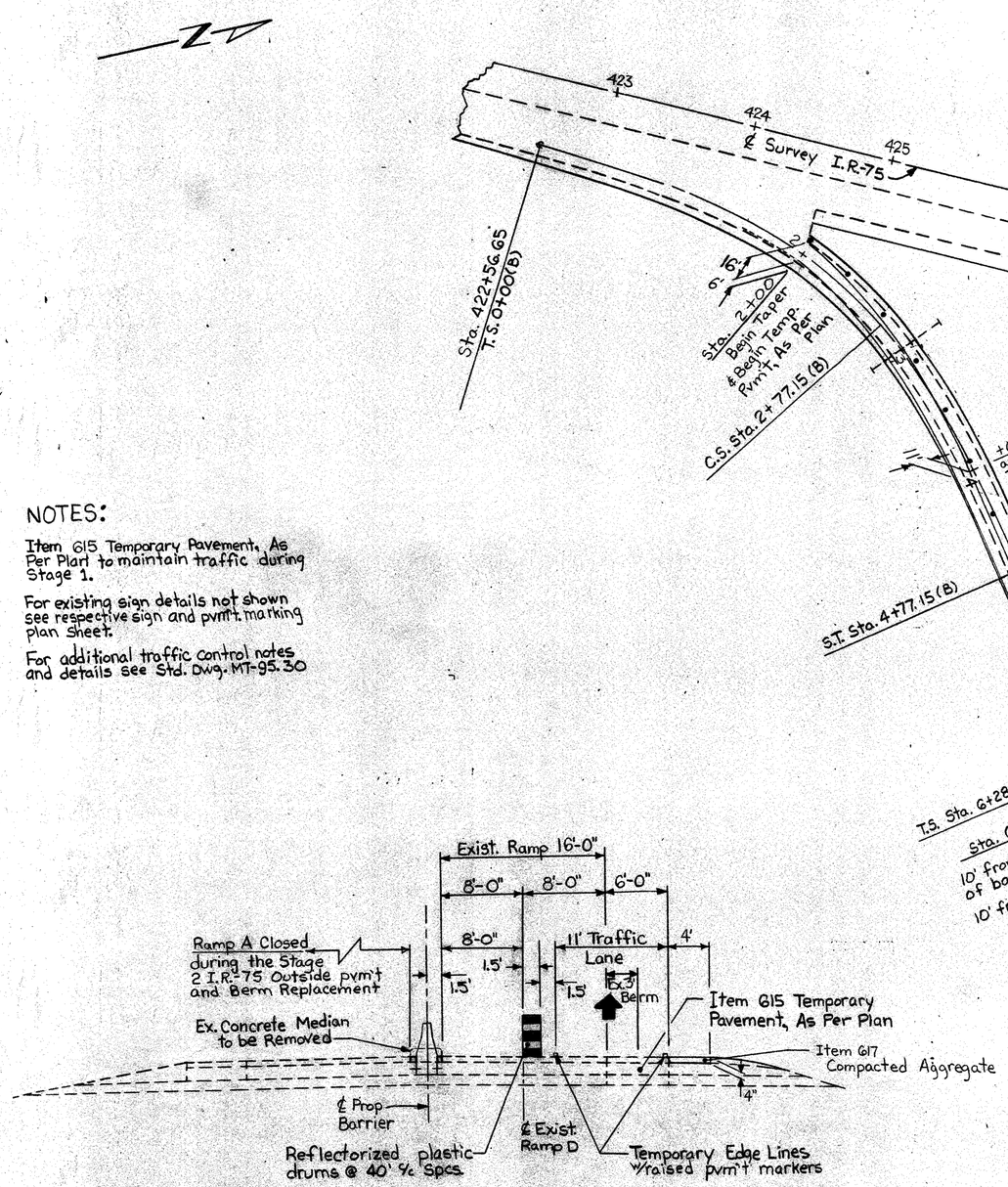
AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

NOTES:

Item 615 Temporary Pavement, As Per Plan to maintain traffic during Stage 1.

For existing sign details not shown see respective sign and pvmt. marking plan sheet.

For additional traffic control notes and details see Std. Dwg. MT-95.30



TRANSVERSE SECTION A-A

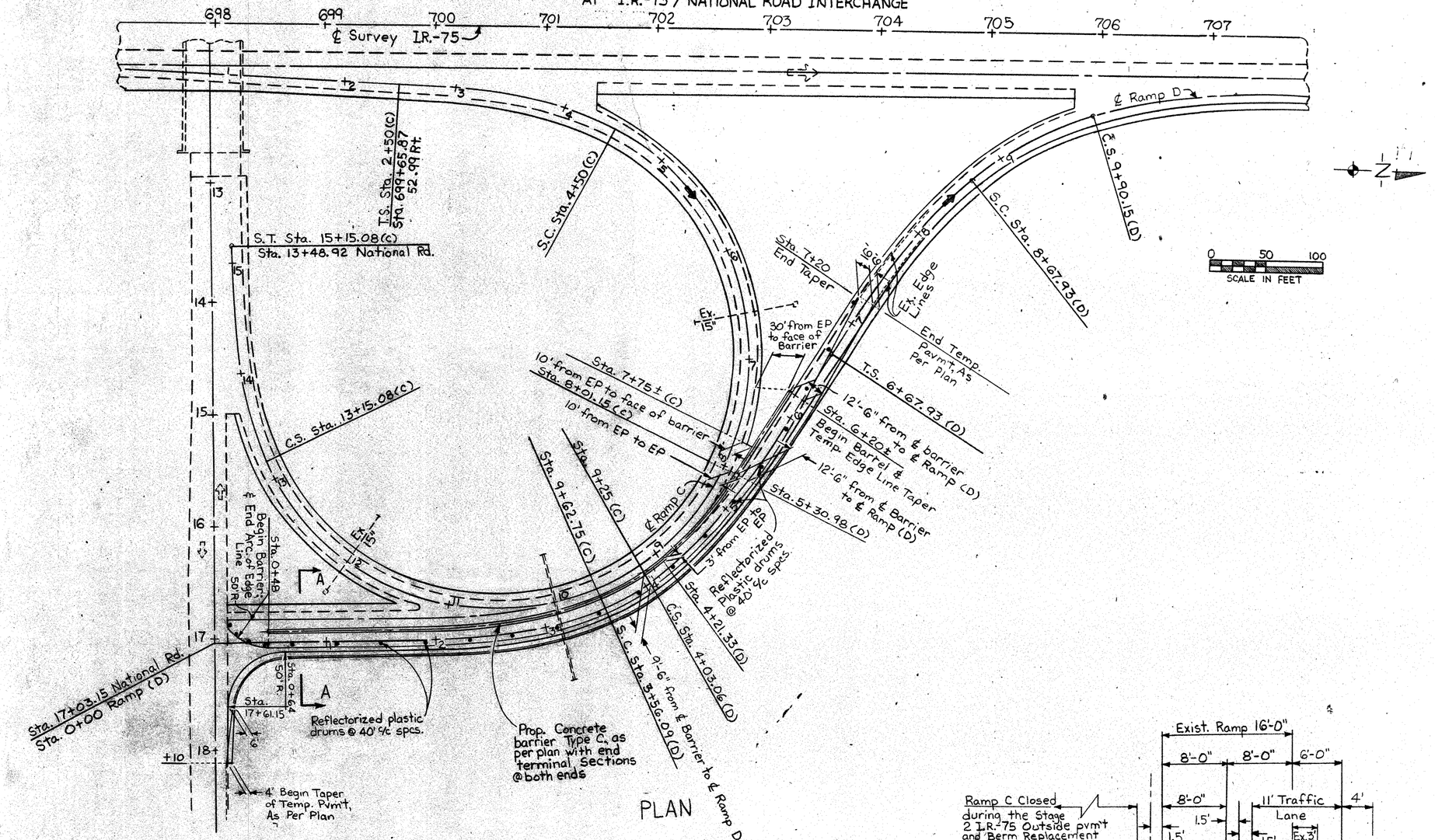
PLAN

TRAFFIC CONTROL DETAILS FOR CONCRETE MEDIAN AT RAMP D AT I.R.-75 / NATIONAL ROAD INTERCHANGE

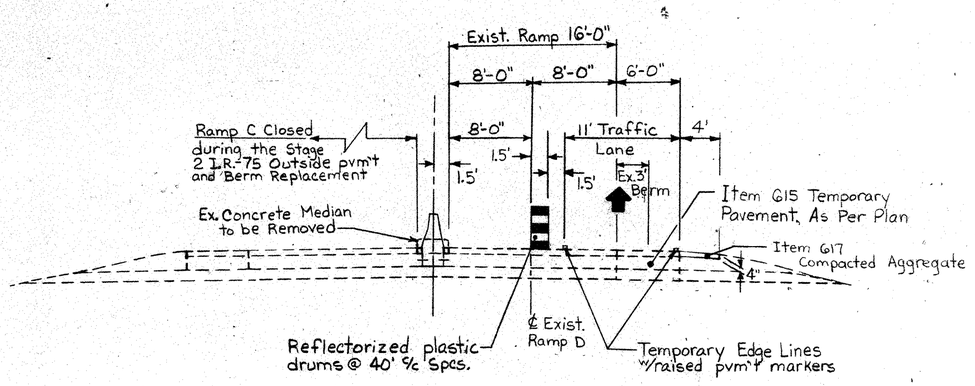
FHWA REGION	STATE	PROJECT	
5	OHIO		

47/231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00



PLAN



TRANSVERSE SECTION A-A

NOTES:

Item 615 Temporary Pavement, As Per Plan to maintain traffic during Stage 1.

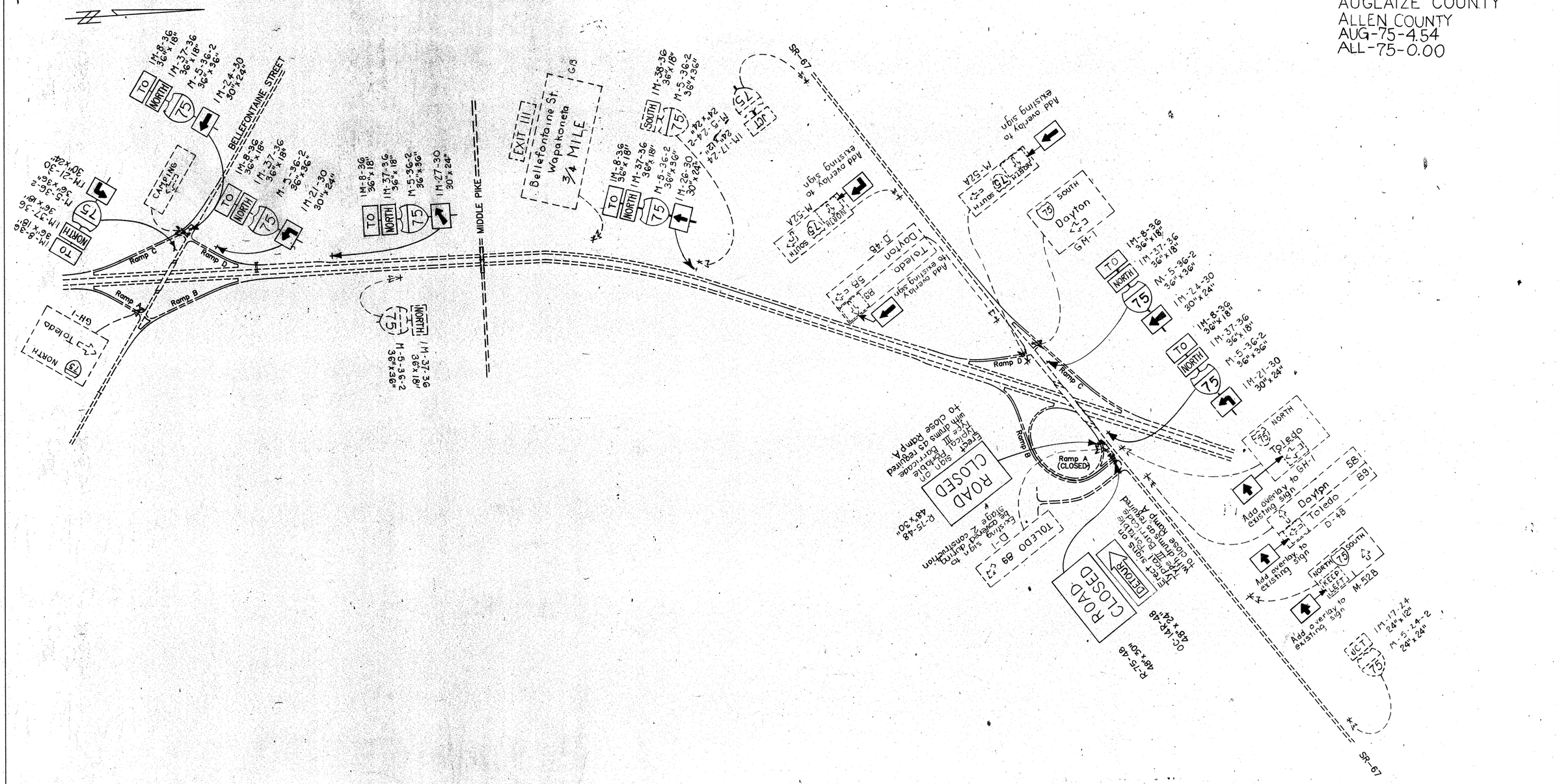
For existing sign details not shown see respective sign and pvm't. marking plan sheet.

For additional traffic control notes and details see Std. Dwg. MT-95.30

MAINTENANCE OF TRAFFIC SIGNING DETAIL

FHWA REGION	STATE	PROJECT		48 / 231
5	OHIO			

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00



FOR INTERCHANGE RAMP
DETOUR AND CLOSURE DETAILS
NOT SHOWN SEE SHEET NO. 29

AUG- 67-0345
AUG-75-0720

A:AU75TC10 19910314

IR-75 DETOUR SIGNING DETAILS FOR STAGE 2 PAVEMENT AND BERM REPLACEMENT AT BRIDGE NO. AUG-75-0720

DETOUR SIGNING

FHWA REGION	STATE	PROJECT		49 / 231
5	OHIO			

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

CRIDERSVILLE

SHAWNEE

FORT SHAWNEE

NATIONAL ROAD

B. & O. R.R.

Breese Rd.

McClain Rd.

AUGLAIZE CO. LINE
ALLEN CO. LINE

* Black legend on orange background

STATION EQUATION:
Sta. 708+84.08 Back = Sta. 0+00.00 Ahead

N-124-96 8'x3'
EXIT 117
Sta. 704+35±

EXIT 118
Cridersville GB
Sta. 695+35±

EXIT 118
Cridersville GB
NEXT EXIT

EXIT 118
Cridersville GB
1 MILE

Ramp "A"
Ramp "B"
Ramp "C" (Closed)
Ramp "D"

EXIT 117
N-124-96 8'x3'
Sta. 701+60±
Existing sign to be covered during ramp closure period

To National Rd
96"x48" * Level IV

EXIT 116
Cridersville GB
1/2 MILE
CLOSED
Sta. 649+20
Add overlay to existing sign

EXIT 116
Cridersville GB
1/2 MILE
CLOSED
Sta. 670+10
Add overlay to existing sign

EXIT 116
Cridersville GB
CLOSED
Sta. 691+00
Add overlay to existing sign

CLOSED
Overlay size 6'x2'
use 12" cap.
E size lettering

EXIT 120
Breese Rd
Fort Shawnee
GB

EXIT 120
Breese Rd
Fort Shawnee
NEXT RIGHT
GB

EXIT 120
Breese Rd
Fort Shawnee
1 MILE
GB

EXIT 120
Breese Rd
Fort Shawnee
D-8 Var. 12'

To National Rd
96"x48" * Level IV

SOUTH 75 NORTH
M-5
IM-24
Dayton 66 D-4A
M-52A

DO NOT ENTER
R-16

STOP
R-1

FOR INTERCHANGE, RAMP DETOUR AND CLOSURE DETAILS NOT SHOWN SEE SHEET NO. 29

AUG-75-1234

A:AU75TC11 19910312

IR-75 DETOUR SIGNING DETAILS FOR STAGE 2 PAVEMENT AND BERM REPLACEMENT AT BRIDGE NO. AUG-75-1234

MAINTENANCE OF TRAFFIC ESTIMATED QUANTITY TABLE

CALC. BY M.E.F. DATE 3/90.
CHKD. BY J.T.S. DATE 3/90.

AUGLAIZE COUNTY
ALLEN COUNTY
AUG/ALL-75-4.54/0.00

OHIO
FHWA REGION 5
FEDERAL

50
231

SEE SHEET NO.	PAVEMENT	LOCATION AND STATION	SIDE	ITEM 614 TEMPORARY LANE LINE CLASS 2 WHITE LIN. FT.	ITEM 614 TEMPORARY EDGE LINE CLASS 1 WHITE LIN. FT.	ITEM 614 TEMPORARY EDGE LINE CLASS 1 YELLOW LIN. FT.	ITEM 614 TEMPORARY RAISED PAVEMENT MARKERS TYPE A WHITE EACH	ITEM 614 TEMPORARY RAISED PAVEMENT MARKERS TYPE A YELLOW EACH	ITEM 614 BARRIER REFLECTOR TYPE A WHITE EACH	ITEM 614 BARRIER REFLECTOR TYPE A YELLOW EACH	ITEM 614 BARRIER REFLECTOR TYPE B WHITE. EACH	ITEM 614 BARRIER REFLECTOR TYPE B YELLOW EACH	ITEM 622 PORTABLE CONCRETE BARRIER, 32", AS PER PLAN LIN. FT.
32	AUG-75-0498 L&R OUTSIDE PARAPET RETRO-FIT	IR-75											
		SOUTHBOUND LANES											
		314+00 to 317+80	Lt.								8		380
		312+00 to 319+30	Lt.		730		37						
		312+00 to 319+30	℄	730			19						
		312+00 to 319+30	Rt.					37					
		314+30 to 317+30	Rt.							1		6	
		NORTHBOUND LANES											
		313+50 to 317+30	Rt.								8		380
		312+40 to 321+00	Rt.		860		43						
		312+40 to 319+00	℄	660			17						
		319+00 to 321+00	℄				5						
		312+40 to 317+30	Rt.	490			13						
		312+40 to 321+00	Lt.					43					
		314+00 to 317+00	Lt.							1		6	
32													
31	AUG-75-0498 L&R INSIDE RETRO-FIT	IR-75											
		SOUTHBOUND LANES											
		314+00 to 318+30	Lt.									8	430
		313+00 to 321+00	Rt.		800			40					
		313+00 to 321+00	Lt.				40						
		314+30 to 317+30	Lt.						2		5		
		NORTHBOUND LANES											
		313+00 to 317+30	Rt.									8	430
		307+40 to 321+00	Lt.		1360			68					
		307+40 to 321+00	Rt.				68						
		307+40 to 321+00	℄				34						
		314+00 to 317+00	Rt.						2		5		
31													
		SUB TOTAL		1880	1590	2160	276	188	4	2	26	28	
		TOTALS CARRIED TO GENERAL SUMMARY		0.4 Mile	3750 Lin. Ft. 0.7 Mile		464		6		54		1620

MAINTENANCE OF TRAFFIC ESTIMATED QUANTITY TABLE

CALC. BY M.E.F. DATE 3/90
CHKD. BY J.T.S. DATE 3/90

AUGLAIZE COUNTY
ALLEN COUNTY
AUG/ALL-75-4.54/0.00

OHIO
FHWA REGION 5
FEDERAL

51
231

SEE SHEET NO.	PAVEMENT	LOCATION AND STATION	SIDE	ITEM 614 TEMPORARY EDGE LINE CLASS 1 WHITE	ITEM 614 TEMPORARY EDGE LINE CLASS 1 YELLOW	ITEM 614 TEMPORARY RAISED PAVEMENT MARKERS TYPE A WHITE	ITEM 614 TEMPORARY RAISED PAVEMENT MARKERS TYPE A YELLOW	ITEM 614 BARRIER REFLECTOR TYPE A WHITE	ITEM 614 BARRIER REFLECTOR TYPE A YELLOW	ITEM 614 BARRIER REFLECTOR TYPE B WHITE	ITEM 614 BARRIER REFLECTOR TYPE B YELLOW	ITEM 622 PORTABLE CONCRETE BARRIER 32", AS PER PLAN
				LIN. FT.	LIN. FT.	EACH		EACH				LIN. FT.
34	AUG-75-0515 L&R OUTSIDE PARAPET RETRO-FIT	IR-75										
		SOUTHBOUND LANES										
		322+10 to 325+30	Lt.							5		320
		321+10 to 330+30	Lt.	920		46						
		321+10 to 330+30	℄			23						
		321+10 to 330+30	Rt.				46					
		322+45 to 324+45	Rt.						2		3	
		NORTHBOUND LANES										
		321+00 to 324+20	Rt.									320
		321+00 to 325+20	Rt.	420		21				5		
		321+00 to 325+20	℄			11						
		321+00 to 325+20	Rt.				21					
		321+75 to323+75	Lt.						2		3	
33	AUG-75-0515 L&R INSIDE RETRO-FIT	IR-75										
		SOUTHBOUND LANES										
		322+10 to 325+30	Lt.								5	320
		321+00 to 330+90	Rt.		990		50					
		321+00 to 330+90	Lt.			50						
		321+00 to 330+90	℄			25						
		322+30 to 324+30	Lt.						2		3	
		NORTHBOUND LANES										
		321+00 to 324+20	Rt.								5	320
		321+00 to 325+20	Lt.		420		21					
		321+00 to 324+20	℄			8						
		321+00 to 325+20	Rt.			21						
		321+90 to 323+90	Rt.						2		3	
		SUB TOTAL		1340	1410	205	138	4	4	16	16	
		TOTALS CARRIED TO GENERAL SUMMARY		2750 Lin. Ft. 0.6 Mile		343		8		32		1280

MAINTENANCE OF TRAFFIC ESTIMATED QUANTITY TABLE

CALC. BY M.E.F. DATE 3/90
CHKD. BY J.T.S. DATE 3/90

AUGLAIZE COUNTY
ALLEN COUNTY
AUG/ALL-75-4.54/0.00

OHIO
FHWA REGION 5
FEDERAL

52
231

SEE SHEET NO.	PAVEMENT	LOCATION AND STATION	SIDE		ITEM 617 COMPACTED AGGREGATE TYPE A	ITEM 617 WATER			ITEM 614 TEMPORARY EDGE LINE CLASS 1 WHITE	ITEM 614 TEMPORARY EDGE LINE CLASS 1 YELLOW			ITEM 614 TEMPORARY RAISED PAVEMENT MARKERS TYPE A WHITE	ITEM 614 TEMPORARY RAISED PAVEMENT MARKERS TYPE A YELLOW				ITEM 614 BARRIER REFLECTOR TYPE A WHITE	ITEM 614 BARRIER REFLECTOR TYPE A YELLOW	ITEM 614 BARRIER REFLECTOR TYPE B WHITE	ITEM 614 BARRIER REFLECTOR TYPE B YELLOW					ITEM 615 TEMPORARY PAVEMENT AS PER PLAN		ITEM 622 PORTABLE CONCRETE BARRIER, 32", AS PER PLAN		
					CU. YD.	M. GAL.			LIN. FT.	LIN. FT.			EACH					EACH								SQ. YD.		LIN. FT.		
35	IR-75 STAGE 1 PAVEMENT AND BERM REPLACEMENT AT AUG-75-0720	IR-75																												
		SOUTHBOUND LANES																												
		425+00 to 437+50	Lt.																	23								1250		
		419+60± to 435+65±	Lt.						1605				81																	
		422+50 to 443+00	Rt.							2050				103																
		429+30 to 431+80	Rt.															6												
		420+97 to 434+75	Lt.																							1532				
		422+50 to 439+35	Lt.		83.20	1.25																								
		NORTHBOUND LANES																												
		424+00 to 436+50	Rt.																	23								1250		
		418+40 to 439+00	Lt.							2060				103																
		423+80 to 429+50±	Rt.						570				29																	
		429+73 to 432+23	Rt.																			6								
		424+56.5 to 429+03.8	Rt.																							497				
35		420+00 to 437+30	Rt.		85.42	1.28																								
36	IR-75 STAGE 2 PAVEMENT AND BERM REPLACEMENT AT AUG-75-0720	IR-75																												
		SOUTHBOUND LANES																												
		425+00 to 435+80	Lt.																	20								1080		
		424+30 to 434+55	Rt.							1025				81																
		422+50 to 438+66	Lt.						1616				81																	
		NORTHBOUND LANES																												
		424+00 to 434+80	Rt.																	20								1080		
		424+25 to 434+45	Lt.							1020				81																
		420+35 to 436+56	Rt.						1621				82																	
36																														
		SUB TOTAL							5412	6155			273	368				6		46	46									
		TOTALS CARRIED TO GENERAL SUMMARY			169	3			11,567 Lin. Ft. 2.2 Miles				641					6		92						2,029		4,660		

MAINTENANCE OF TRAFFIC ESTIMATED QUANTITY TABLE

CALC. BY M.E.F. DATE 3/90
CHKD. BY J.T.S. DATE 3/90

AUGLAIZE COUNTY
ALLEN COUNTY
AUG/ALL-75-4.54/0.00

OHIO
FHWA REGION 5
FEDERAL

53
231

SEE SHEET NO.	PAVEMENT	LOCATION AND STATION	SIDE	ITEM 614 TEMPORARY LANE LINE CLASS 1 WHITE	ITEM 614 TEMPORARY EDGE LINE CLASS 1 WHITE	ITEM 614 TEMPORARY EDGE LINE CLASS 1 YELLOW	ITEM 614 TEMPORARY RAISED PAVEMENT MARKERS TYPE A WHITE	ITEM 614 TEMPORARY RAISED PAVEMENT MARKERS TYPE A YELLOW	ITEM 614 BARRIER REFLECTOR TYPE A WHITE	ITEM 614 BARRIER REFLECTOR TYPE A YELLOW	ITEM 614 BARRIER REFLECTOR TYPE B WHITE	ITEM 614 BARRIER REFLECTOR TYPE B YELLOW	ITEM 615 TEMPORARY PAVEMENT AS PER PLAN	ITEM 622 PORTABLE CONCRETE BARRIER, 32", AS PER PLAN
				LIN. FT.	LIN. FT.	LIN. FT.	EACH		EACH				SQ. YD.	LIN. FT.
40	AUG-75-0764 L&R OUTSIDE GUARDRAIL REPLACEMENT	IR-75												
		SOUTHBOUND LANES												
		448+00 to 450+70	Lt.								5			270
		447+00 to 452+40	Lt.		540		27							
		447+00 to 452+40	℄	540			14							
		447+00 to 452+40	Rt.			540		27						
		447+00 to 448+10±	Lt.										49	
		449+80± to 452+40	Lt.										116	
		448+12 to 450+12	Rt.						5					
		NORTHBOUND LANES												
		447+50 to 450+20	Rt.								5			270
		445+80 to 451+20	Rt.		540		27							
		445+80 to 451+20	℄	540			14							
		445+80 to 451+20	Lt.			540		27						
		445+80 to 448+25±	Rt.										109	
		450+80± to 451+20	Rt.										54	
		448+00 to 450+00	Lt.						5					
40														
39	AUG-75-0754 L&R INSIDE GUARDRAIL REPLACEMENT	IR-75												
		SOUTHBOUND LANES												
		448+00 to 450+70	Lt.								5			270
		447+00 to 452+40	Lt.		540		27							
		447+00 to 452+40	℄	540			14							
		447+00 to 452+40	Rt.			540		27						
		447+00 to 448+10±	Lt.										123	
		449+80± to 452+40	Lt.										289	
		448+00 to 450+00	Lt.						5					
		NORTHBOUND LANES												
		447+50 to 450+20	Rt.								5			270
		445+80 to 451+20	Lt.			540		27						
		445+80 to 451+20	℄	540			14							
		445+80 to 451+20	Rt.		540		27							
		445+80 to 448+35±	Rt.										284	
		450+00± to 451+20	Rt.										134	
		448+00 to 450+00	Rt.						5					
		SUB TOTAL		2160	2160	2160	164	108	10	10	10	10		
		TOTALS CARRIED TO GENERAL SUMMARY		0.4 Miles	4320 Lin. Ft. 0.9 Miles		272		20		20		1158	1080

MAINTENANCE OF TRAFFIC ESTIMATED QUANTITY TABLE

CALC. BY M.E.F. DATE 3/90
CHKD. BY J.T.S. DATE 3/90

AUGLAIZE COUNTY
ALLEN COUNTY
AUG/ALL-75-4.54/0.00

OHIO
FHWA REGION 5
FEDERAL

54
231

SEE SHEET NO.	PAVEMENT	LOCATION AND STATION	SIDE		ITEM 617 COMPACTED AGGREGATE TYPE A	ITEM 617 WATER			ITEM 614 TEMPORARY EDGE LINE CLASS 1 WHITE	ITEM 614 TEMPORARY EDGE LINE CLASS 1 YELLOW			ITEM 614 TEMPORARY RAISED PAVEMENT MARKERS						ITEM 614 BARRIER REFLECTOR							ITEM 615 TEMPORARY PAVEMENT AS PER PLAN		ITEM 622 PORTABLE CONCRETE BARRIER, 32", AS PER PLAN	
													TYPE A WHITE	TYPE A YELLOW					TYPE A WHITE	TYPE A YELLOW	TYPE B WHITE	TYPE B YELLOW						
					CU. YD.	M. GAL.			LIN. FT.	LIN. FT.			EACH						EACH							SQ. YD.		LIN. FT.	
41	IR-75 STAGE 1 PAVEMENT AND BERM REPLACEMENT AT AUG-75-1234	IR-75																										
		SOUTHBOUND LANES																										
		692+00 to 705+50	Lt.						1580				79									25					1350	
		690+20± to 706+00±	Lt.							2110				106														
		690+00 to 2+26±	Rt.																									
		691+78.2 to 740+62	Lt.																							1427		
		690+00 to 0+66	Lt.		96.29	1.45																						
		697+50 to 699+50	Lt.																5									
		NORTHBOUND LANES																										
		691+00 to 704+50	Rt.																			25					1350	
		685+40 to 707+00	Lt.							2160				108														
		685+40 to 694+00	Rt.						860				43															
		700+70 to 706+70	Rt.						600				30															
		694+00 to 700+70	Rt.										34															
		685+40 to 694+00	Rt.																							945		
		701+37.9 to 705+67	Rt.																							477		
		685+40 to 707+00	Rt.		106.66	1.60																						
		696+40 to 698+40	Rt.																			5						
42	IR-75 STAGE 2 PAVEMENT AND BERM REPLACEMENT AT AUG-75-1234	IR-75																										
		SOUTHBOUND LANES																										
		692+00 to 705+50	Lt.																			25					1350	
		690+00 to 0+66±	Rt.						1950				98															
		690+00 to 0+66±	Rt.							1950				98														
		NORTHBOUND LANES																										
		691+00 to 704+50	Rt.																			25					1350	
		685+40 to 707+00	Lt.							2160				108														
		685+40 to 707+00	Rt.						2160				108															
		SUB TOTAL							7150	8380			392	420					5		55	50						
		TOTALS CARRIED TO GENERAL SUMMARY			203	4			15,530 Lin. Ft. 3.0 Miles				812						5		105					2849		5400	

MAINTENANCE OF TRAFFIC ESTIMATED QUANTITY TABLE

CALC. BY M.E.F. DATE 3/90
CHKD. BY J.T.S. DATE 3/90

AUGLAIZE COUNTY
ALLEN COUNTY
AUG/ALL-75-4.54/0.00

OHIO
FHWA REGION 5
FEDERAL

55
231

SEE SHEET NO.	PAVEMENT	LOCATION AND STATION	SIDE				ITEM 614 TEMPORARY CENTER LINE DOUBLE SOLID CLASS 1 LIN. FT.		ITEM 614 TEMPORARY EDGE LINE CLASS 1 WHITE LIN. FT.	ITEM 614 TEMPORARY EDGE LINE CLASS 1 YELLOW LIN. FT.			ITEM 614 TEMPORARY RAISED PAVEMENT MARKERS EACH: TYPE A WHITE	TYPE A YELLOW	TYPE A YELLOW TWO WAY			ITEM 614 BARRIER REFLECTOR EACH: TYPE A WHITE	TYPE A YELLOW	TYPE B WHITE	TYPE B YELLOW	TYPE B2 YELLOW\WHITE TWO WAY	ITEM 615 TEMPORARY PAVEMENT AS PER PLAN SQ. YD.					ITEM 622 PORTABLE CONCRETE BARRIER, 32" AS PER PLAN LIN. FT.	ITEM 622 PORTABLE CONCRETE BARRIER, 32" BRIDGE MOUNTED AS PER PLAN LIN. FT.	
37	AUG-75-0720 PARAPET RETRO-FIT	SR-67																												
		STAGE 1:																												
		117+00 to 122+20	Rt.																	10								520		
		117+55 to 122+25	Lt.																	10									470	
		122+25 to 122+85	Lt.																									50		
		116+90 to 122+85	Lt.						595				30																	
		114+50 to 124+20	Lt.							970				49																
		114+50 to 124+20	Rt.							970				49																
		117+00 to 124+20	Rt.						720				36																	
		117+70 to 122+20	Lt.															2		8										
		117+60 to 122+10	Rt.															2		8										
		116+90 to 118+26±	Lt.																				46							
		122+18 to 122+85	Lt.																				23							
		117+00 to 117+50	Rt.																				28							
		121+47± to 122+32±	Rt.																				48							
		STAGE 2:																												
		117+70 to 123+00	Lt.																	10								530		
		116+70 to 122+00	Rt.																	10								530		
		114+50 to 124+20	Lt.						970				49																	
		114+50 to 123+00	Rt.						850				40																	
38		116+45 to 124+20	Rt.				775								39															
43	AUG-75-1234 PARAPET RETRO-FIT	NATIONAL ROAD																												
		9+50 to 13+00	Rt.																			7						350		
		8+50± to 14+50	Rt.						600				30																	
		8+50 to 14+50	Rt.				600								30															
		10+00 to 13+50	Lt.																			7						350		
		8+50± to 14+50	Lt.						600				30																	
43		SUB TOTAL					1375		4335	1940			215	98	69			4		36	20	14							2330	470
		TOTALS CARRIED TO GENERAL SUMMARY					0.3 Mile		6275 LIN. FT. 1.2 Mile				382					4		56		14	145							

A:AU75ME6 19920218

MAINTENANCE OF TRAFFIC ESTIMATED QUANTITY TABLE

CALC. BY M.E.F. DATE 3/90
CHKD. BY J.T.S. DATE 4/90

AUGLAIZE COUNTY
ALLEN COUNTY
AUG/ALL-75-4.54/0.00

OHIO
FHWA REGION 5
FEDERAL

56
231

SEE SHEET NO.	PAVEMENT	LOCATION AND STATION	SIDE		ITEM 203 EXCAVATION NOT INCLUDING EMBANKMENT CONSTRUCTION				ITEM 614 TEMPORARY EDGE LINE CLASS 1 WHITE	ITEM 614 TEMPORARY EDGE LINE CLASS 1 YELLOW			ITEM 614 TEMPORARY RAISED PAVEMENT MARKERS TYPE A WHITE	ITEM 614 TEMPORARY RAISED PAVEMENT MARKERS TYPE A YELLOW					ITEM 614 BARRIER REFLECTOR			TYPE B YELLOW			ITEM 615 TEMPORARY PAVEMENT AS PER PLAN		ITEM 617 COMPACTED AGGREGATE TYPE A	ITEM 617 WATER			
					CU. YD.				LIN. FT.	LIN. FT.			EACH						EACH						SQ. YD.		CU. YD.	M. GAL.			
44		U.S.R. 33/I.R.-75																												
		RAMP F; STAGE 1																												
		4+50 to 172+32(U.S. 33)	Rt.						1114				56																	
		4+50 to 15+34	Rt.							1084				55																
		4+50 to 172+32(U.S. 33)	Rt.		55																				990		55	0.83			
44																														
44		U.S.R. 33/I.R.-75																												
		RAMP D																												
		3+10 to 10+00	Rt.						690				35																	
		3+10 to 5+00±	Lt.							190				10																
		0+86(E) to 10+00(D)	Lt.							661				33																
		3+10 to 10+00	Rt.		35																				614		35	0.53			
44																														
45		U.S.R. 33/I.R.-75																												
		RAMP F; STAGE 2																												
		10+00(F) to 15+34(F)	Lt.							534				28																
		10+00(F) to 15+34(F)	Rt.						534				28																	
		9+23(F) to 15+23(F)	Lt.																				13							
45																														
46		S.R. 67/I.R.-75																												
		RAMP B																												
		2+00(B) to 126+14(S.R.67)	Rt.						1474				75																	
		2+00(B) to 125+65(S.R.67)	Lt.							1474				75																
		2+00(B) to 126+14(S.R.67)	Rt.		73																				983		73	1.10			
46																														
47		NATIONAL RD./I.R.-75																												
		RAMP D																												
		18+10(Natl.) to 7+20(D)	Rt.						756				38																	
		16+90(Natl.) to 7+20(D)	Lt.							715				36																
		18+10(Natl.) to 7+20(D)	Rt.		37																				518		37	0.56			
47																														
		SUB TOTAL							4568	4658			232	237									13							
		TOTALS CARRIED TO GENERAL SUMMARY			200				1.8 Mile				469						13						3105		200	4			

CALC. BY J.T.S. DATE 6/91	AUG-75-4.54/ ALL-75-0.00	OHIO
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GENERAL NOTES

UNDERGROUND UTILITIES

THE LOCATIONS OF UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS OF THE UTILITY AS REQUIRED BY SECTION 153.64 ORC.

UTILITY OWNERSHIP

THE FOLLOWING UTILITIES AND OWNERS ARE LOCATED WITHIN THE WORK LIMITS OF THIS PROJECT:

ELECTRIC:

WAPAKONETA POWER
P.O. BOX 269
251 INDUSTRIAL DRIVE
WAPAKONETA, OHIO 45895
419-738-5596
TOM STEINKE

OHIO POWER COMPANY
P.O. BOX 24400
301 CLEVELAND AVENUE S.W.
CANTON, OHIO 44701-4400
216-456-8173
JOHN SCHRADE, JR.

DAYTON POWER AND LIGHT COMPANY
P.O. BOX 1247
DAYTON, OHIO 45401
513-227-2498
H.G. TELLJOHANN

MIDWEST ELECTRIC COMPANY
P.O. BOX 10
ST. MARYS, OHIO 45885
419-394-2031
ERNEST NEUBAUER

GAS:

WEST OHIO GAS
319 W. MARKET STREET
LIMA, OHIO 45801
419-226-4859
TOM WIESE

TELEPHONE:

TELEPHONE SERVICE COMPANY
2 WILLIPIE STREET
WAPAKONETA, OHIO 45895
419-738-2118
RANDY HEINL

A.T. & T. COMPANY
15821 COUNTY ROAD 15
BLUFFTON, OHIO 45817
419-859-2113
DEL HALL

WATER AND SANITARY:
CITY OF WAPAKONETA, OHIO
P.O. BOX 269
251 INDUSTRIAL DRIVE
WAPAKONETA, OHIO 45895
419-738-5596
TOM STEINKE

CABLE TV:
WARNER CABLE COMMUNICATIONS
3100 ELIDA ROAD
LIMA, OHIO 45805
419-331-1111
BILL LIMBERT

ROADWAY LIGHTING:
OHIO DEPARTMENT OF TRANSPORTATION
ST. MARY'S AVENUE
SIDNEY, OHIO 45365
513-492-1141 EXT. 291
DISTRICT TRAFFIC ENGINEER

LOCATION OF GUARDRAIL

THE LOCATIONS OF GUARDRAIL RUNS, AS SHOWN IN THESE PLANS, ARE SUBJECT TO ADJUSTMENT PRIOR TO FINAL ACCEPTANCE. THE ENGINEER SHALL BE SATISFIED THAT ALL INSTALLATIONS WILL AFFORD MAXIMUM PROTECTION FOR TRAFFIC.

GUARDRAIL REPLACEMENT

NO HAZARD SHALL BE LEFT UNPROTECTED EXCEPT FOR ACTUAL TIME NECESSARY TO REMOVE, GRADE, AND REINSTALL GUARDRAIL IN A CONTINUOUS OPERATION. THE REMOVAL OF ALL GUARDRAIL SHALL AT ALL TIMES BE AS DIRECTED BY THE ENGINEER. NO GUARDRAIL SHALL BE REMOVED UNTIL THE REPLACEMENT MATERIAL IS ON THE SITE, READY FOR INSTALLATION. FAILURE TO COMPLY WITH THIS REQUIREMENT SHALL BE DEEMED SUFFICIENT CAUSE TO ORDER WORK SUSPENDED ON THIS PROJECT UNTIL SUCH TIME THAT THE ENGINEER IS ASSURED OF SAID COMPLIANCE.

SEEDING

QUANTITIES FOR SEEDING ARE CALCULATED FOR THE SOIL AREAS BETWEEN TEN (10) FEET OUTSIDE THE WORK LIMITS, AS SHOWN ON THE CROSS SECTIONS, OR TO THE RIGHT-OF-WAY LINE, IF SUCH LINE IS LESS THAN TEN (10) FEET FROM THE WORK LIMITS.

CONNECTION TO EXISTING PIPE

WHERE THE PLANS PROVIDE FOR PROPOSED CONDUIT TO BE CONNECTED TO, OR TO CROSS EITHER OVER OR UNDER AN EXISTING SEWER, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE THE EXISTING PIPE BOTH AS TO LINE AND GRADE BEFORE HE STARTS TO LAY THE PROPOSED CONDUIT.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE PERTINENT 603 CONDUIT ITEMS.

EROSION CONTROL

ITEMS 601, AND 660, ARE PROVIDED IN THE PLANS FOR EROSION CONTROL. ROCK OF A STABLE NATURE WILL NOT BE REMOVED IN ORDER TO PLACE ANY OF THESE ITEMS, AND TURF OF A STABLE NATURE WILL NOT BE REMOVED IN ORDER TO PLACE ITEM 660. THE ENGINEER SHALL CHECK AND NON-PERFORM QUANTITIES OR ADJUST LOCATIONS AND QUANTITIES FOR THESE ITEMS WHERE INDICATED BY FIELD CONDITIONS DURING CONSTRUCTION.

WATERING PERMANENT SEEDED AREAS

THE FOLLOWING ESTIMATED QUANTITY IS TO BE USED AS DIRECTED BY THE ENGINEER TO PROMOTE GROWTH AND TO CARE FOR THE PERMANENT SEEDING AREAS, AS PER 659.09:

ITEM 659 WATER ..... 204 M GAL

QUANTITY CARRIED TO THE GENERAL SUMMARY

ITEM 802, BARRIER REFLECTORS

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING BARRIER REFLECTORS ON GALVANIZED STEEL GUARD RAIL, CONCRETE BARRIER, RETAINING WALL AND /OR BRIDGE PARAPETS IN ACCORDANCE WITH THE PLANS AND SUPPLEMENTAL SPECIFICATION 802, DATED 4-13-90.

BASIS OF PAVEMENT SHALL BE AT THE CONTRACT PRICE FOR EACH REFLECTOR AND SHALL INCLUDE ALL LABOR, EQUIPMENT, HARDWARE, AND INCIDENTALS REQUIRED TO PERFORM THE WORK AS DESCRIBED.

ITEM 617, COMPACTED AGGREGATE, TYPE A

THIS ITEM SHALL BE USED AS DIRECTED BY THE ENGINEER TO TRANSITION FROM THE EDGE OF THE PROPOSED PAVED BERM TO THE EXISTING EARTH BERM AND TO CORRECT MINOR DEPRESSIONS ADJACENT TO THE EDGE OF THE PAVED BERM.

ITEM 202, RAISED PAVEMENT MARKERS REMOVED FOR STORAGE

EXISTING RAISED PAVEMENT MARKERS SHALL BE REMOVED IN ACCORDANCE WITH THE PROVISIONS OF C.M.S. 202.071. THE COST OF THE ASPHALT CONCRETE NECESSARY TO FILL THE DEPRESSIONS CAUSED BY REMOVAL OF THE CASTING SHALL BE CONSIDERED INCIDENTAL TO THEIR REMOVAL.

THE FOLLOWING QUANTITIES IS AN ESTIMATE OF THE NUMBER OF RAISED PAVEMENT MARKERS TO BE REMOVED ON THIS PROJECT.

ITEM 202 RAISED PAVEMENT MARKERS REMOVED FOR STORAGE 1808 EACH

QUANTITY CARRIED TO GENERAL SUMMARY

ITEM 407 TACK COAT

THE RATE OF APPLICATION OF THE 407 TACK COAT SHALL BE SUBJECT TO ADJUSTMENT, AS DIRECTED BY THE ENGINEER. PLAN QUANTITIES INDICATE AN AVERAGE APPLICATION RATE OF 0.075 GALLONS PER SQUARE YARD OF TACK COAT FOR ESTIMATING PURPOSES ONLY.

CALC. BY J.T.S. DATE 6/91	AUGLAIZE COUNTY ALLEN COUNTY AUG–75–4.54 ALL–75–0.00	OHIO	58 231
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		FEDERAL PROJECT	

GENERAL NOTES

ITEM 255 FULL DEPTH RIGID PAVEMENT REMOVAL AND RIGID REPLACEMENT, CLASS C, AS PER PLAN

This work shall consist of full depth removal of the existing pavement in areas exhibiting deterioration; removal of existing asphalt concrete and portland cement concrete repairs exhibiting deterioration correction of subbase and subgrade; furnishing and placing dowels, tie bars and mesh where specified; replacement with portland cement concrete; and restoration of affected shoulders.

All repair areas will be located and marked by the Engineer prior to the start of the work. Aerosol spray paint for outlining shall be provided by the contractor. In those lanes which are adjacent to and abutting with proposed underdrains, the pavement repairs shall be completed prior to the installation of the underdrains.

The existing rigid pavement shall be sawed full depth at the limits of the designated areas using a diamond saw blade. When there is an existing bituminous overlay, the full depth saw cut may be made through the overlay. At the option of the Contractor, an off–set saw cut may be made through the overlay and the overlay removed as necessary to provide clearance for the full depth saw cut through the rigid pavement. The Contractor may elect to make additional cuts to facilitate the removal of the pavement; however, only cuts designated by the Engineer shall be measured for payment.

Where plan details indicate existing pavement thicknesses, these thicknesses are original design thicknesses and may not represent the thickness which will be encountered by the Contractor during removal. Pavement coring data from original construction testing may be on record with the Department. If these records exist they are available to the Contractor for his review prior to bidding and during construction at ODOT Testing Laboratory, 1600 West Broad Street, Columbus, Ohio 43216. Previous pavement repair information may be found in completed project plans. Completed plans are available to the Contractor for his review prior to bidding and during construction at O.D.O.T. District office. Where depth of sawing requirements are different than indicated in plan details, any available coring reports, and any available completed construction plans, no additional payment shall be made.

Pavement in the repair area shall be removed by the lift out method in a manner that shall not damage or undermine the pavement that is to remain in place. This requires that after the repair area is isolated using full–depth saw cuts, the deteriorated concrete is lifted vertically. To enable the deteriorated slab to be lifted, holes shall be drilled through the slab from the top and fitted with lift pins. Pavement removed shall be disposed of in accordance with Item 202.

Breaking the pavement and cleaning the material out with a backhoe will not be permitted unless the Engineer determines the lift out method is not feasible due to pavement deterioration, asphalt concrete repairs, or portland cement concrete repairs which are deteriorated. No additional payment will be made for removal of material by backhoe. If the adjacent pavement is damaged during the pavement sawing or pavement removal, an additional full depth diamond blade saw cut shall be made the full width of the lane or lanes at a length that will encompass the damaged pavement. This additional work shall be performed at no additional cost to the Department.

Prior to placing the concrete for the rigid replacement, any subbase or subgrade material that is disturbed below the proposed bottom of slab repair shall be removed and the patch area compacted to the satisfaction of the Engineer. The Contractor shall replace the removed subbase or subgrade material with concrete as part of the rigid replacement at no additional cost to the Department. Removal of subbase for undercut repair shall be done at no additional cost to the Department.

Dowel and tie bars holes shall be drilled with hydraulic or electric drills without spalling or damaging the existing concrete. All drilled holes shall be blown clean with compressed air prior to grouting the dowels or tie bars. Enough grout shall be pneumatically injected into the rear portion of the drilled hole to provide complete coverage around the bars to insure they are anchored into the existing pavement. The Contractor shall use a nominal 1/16–inch thickness nylon or plastic washer of sufficient size to retain the grout within the drilled hole. The nylon or plastic washers shall have weep holes of sufficient size to allow the flow of grout completely around the bars as shown on Std. Dwg. Bp–13. Dowels and tie bars shall be inserted through the nylon or plastic washers, while the washer is placed flush with the sawed edge of pavement and in alignment with the drilled hole, such that the grout is forced out through the weep holes. If grout is not forced out through the weep hole the Contractor shall be required to begin the operation over as directed by the Engineer.

Type Y contractor joints shall be provided at the ends of the proposed concrete pavement replacement areas between the new concrete pavement and the existing concrete pavement. Type YU contraction joints shall be used for normal joint repair for distressed or deteriorated pavement joints.

Plan quantities include estimated amount of Item 203 Excavation, not including embankment construction, Item 304 Aggregate Base and Item 301 Bituminous Aggregate Base, AC–20 to reconstruct the existing paved shoulders adjacent to the pavement replacement areas where aggregate drains are placed.

Due to the obvious uncertainties involved in performing this type of work, all plan quantities associated with this item of work shall be considered tentative and as such may require adjustment, as directed by the Engineer, based upon actual field conditions encountered during construction.

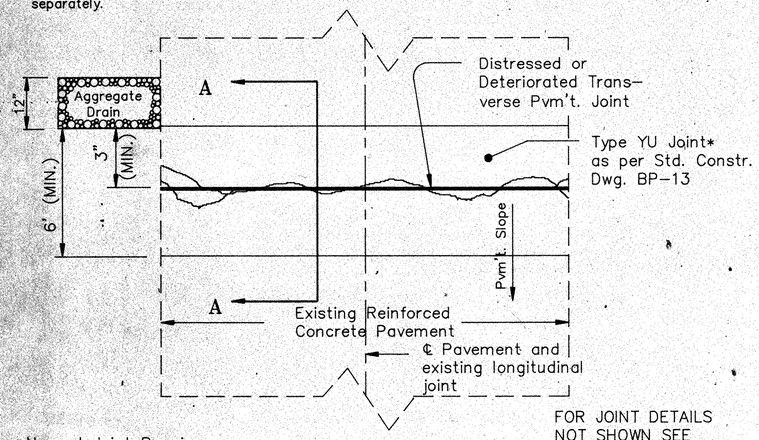
The following estimated quantities have been provided to be used as directed by the Engineer to perform this item of work:

Item 255	Full Depth Rigid Pavement Removal And Rigid Replacement, Class C, As Per Plan	2738	Sq. Yd.
Item 255	Full Depth Pavement Sawing	8002	Lin. Ft.
Item 203	Excavation, Not Including Embankment Construction	242	Cu. Yd.
Item 301	Bituminous Aggregate Base AC–20	305	Cu. Yd.
Item 304	Aggregate Base	76	Cu. Yd.
Item 605	Aggregate Drains	4408	Lin. Ft.

Quantities carried to General Summary

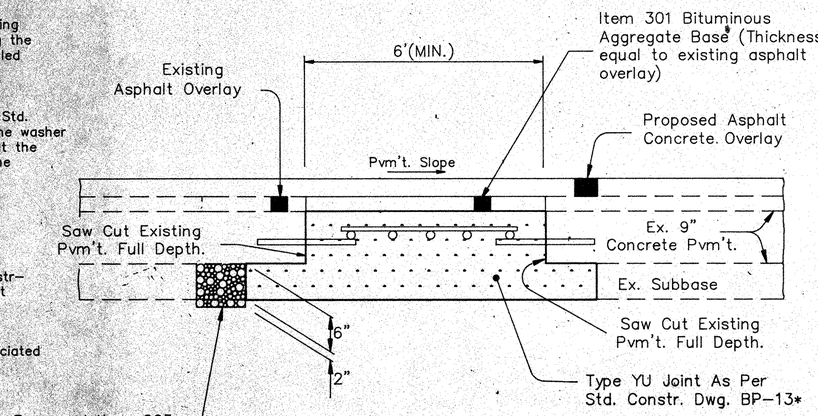
The quantity to be paid for under this item will be the actual area of pavement replaced, measured as square yards, and accepted.

Payment for accepted quantities will be made at the contract price for Item 255, Full Depth Rigid Pavement Removal and Rigid Replacement, Class C As Per Plan and shall be full compensation for all materials, labor, equipment and incidentals to complete this item of work except for items summarized separately.



* Normal Joint Repair will use Type YU (Contraction) Joint.

JOINT REPAIR PLAN VIEW
(Typical full width repair)



SECTION A–A

NOTE: Actual joint width shall be determined by the Engineer at the time of construction.

ITEM SPECIAL – SAWING AND SEALING ASPHALT CONCRETE PAVEMENT JOINTS, 705.04

This item of work shall consist of furnishing all materials, labor, equipment and incidentals necessary to saw cut and seal transverse asphalt concrete pavement joints according to the proposal note, plan notes and details, applicable Std. Dwgs. and pertinent provisions of the O.D.O.T. Construction and Material Specification.

Construction methods, joint location, material specifications, saw requirements and proposed joint configuration shall be in accordance with the proposal note. Joint sealant and backer rod shall be considered incidental to this item of work.

The following estimated quantity has been provided to preform this item of work:

Item Special	Sawing and Sealing Asphalt Concrete Pavement Joints, 705.04	3,285	Lin. Ft.

Quantity carried to General Summary

The quantity to be paid for under this item shall be the actual length of joints sawed and sealed as specified and accepted.

Payment for accepted quantities will be made at the contract price for Item Special, Sawing and Sealing Asphalt Concrete Pavement Joints, 705.04 and shall be full compensation for all materials, labor, equipment and incidentals necessary to complete this item of work as described.

JOINT SEALERS

All references to 705.01 or 705.02 appearing on Standard Construction Drawings or on these plans, shall be considered to read 705.04.

CONVERSION TO 1991 CONSTRUCTION AND MATERIAL SPECIFICATIONS

All references to the following item numbers on these plans shall considered to read as follows:

621 shall read as 642
947.02 shall read as 740.04
947.03 shall read as 740.05
622 Temporary Concrete Barrier shall read as 622 Portable Concrete Barrier

ITEM 304 AGGREGATE BASE, AS PER PLAN

Materials furnished for this item shall exclude all slag except granulated slag or crushed air–cooled blast furnace slag.

At the Contractor's option, crushed concrete obtained from concrete pavement on this project or projects constructed under O.D.O.T. specifications may be used for Item 304 aggregate base. All crushed concrete passing the No. 4 sieve shall be replaced by material obtained from approved sources. The recycled concrete pavement shall not contain more than 1.0% recycled asphalt pavement. All other requirements of 304 and 703.04 shall apply.

ITEM 310 SUBBASE, AS PER PLAN

Materials furnished for this item shall exclude all slag except granulated slag or crushed air–cooled blast furnace slag and shall exclude that part of broken salvaged portland cement pavement passing the No. 4 sieve. Broken salvaged portland cement concrete pavement shall be obtained on this project or other projects constructed under O.D.O.T. specifications. All other requirements of 310 and 703.04 shall apply.

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GENERAL NOTES

ITEM SPECIAL REGRADING EXISTING SLOPES

THIS ITEM OF WORK SHALL CONSIST OF FURNISHING ALL MATERIALS, EQUIPMENT AND LABOR NECESSARY TO REGRADE EXISTING DAMAGED OR ERODED SOIL AREAS WITHIN THE LIMITS OF THIS PROJECT IN ACCORDANCE WITH PLAN NOTES AND DETAILS AND PERTINENT PROVISIONS OF THE O.D.O.T. CONSTRUCTION AND MATERIAL SPECIFICATIONS.

THIS WORK SHALL BE PERFORMED WITHIN THE SPECIFIC LIMITS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER AND SHALL CONFORM TO APPLICABLE PROVISIONS OF C.M.S. 203 AND 659.

EXISTING SLOPES SHALL BE REGRADED TO THEIR ORIGINAL CONDITION OR AS DIRECTED BY THE ENGINEER AND THE FURNISHING AND PLACING OF ADDITIONAL MATERIAL AND/OR SATISFACTORY REMOVAL AND DISPOSAL OF EXCESS OR UNSUITABLE MATERIAL, IF NECESSARY, SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM OF WORK.

REGRADING SOIL AREAS SHALL BE PREPARED, SEEDED AND MULCHED, MEASURED AND PAID FOR AS PER C.M.S. 659.

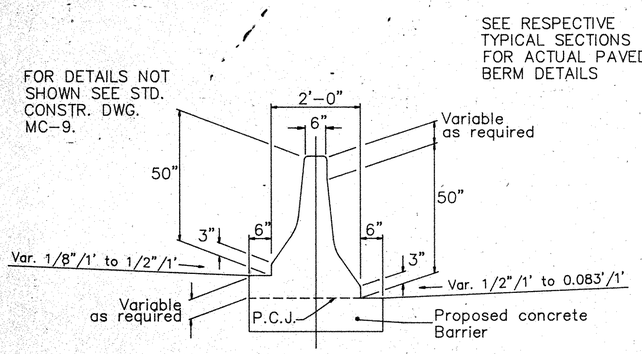
THE METHOD OF MEASUREMENT SHALL BE THE ACTUAL NUMBER OF SQUARE YARDS OF SOIL AREA REGRADED AS SPECIFIED AND ACCEPTED.

PAYMENT FOR ACCEPTED QUANTITIES WILL BE MADE AT THE CONTRACT PRICE FOR ITEM SPECIAL, REGRADING EXISTING SLOPES AND SHALL BE FULL COMPENSATION FOR ALL MATERIALS, EQUIPMENT, LABOR AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM OF WORK.

LOCATION AND STATION		APPROXIMATE SOIL AREA	ITEM SPECIAL REGRADING EXISTING SLOPES	ITEM 659 SEEDING AND MULCHING	ITEM 659 COMMERCIAL FERTILIZER
			SQ. YDS.	SQ. YDS.	TON
NORTHBOUND LANES I.R.-75					
435+00 To 443+00		800' X 30'	2666.7	2666.7	0.24
520+00 To 525+30		530' X 27'	1590.0	1590.0	0.14
545+00 To 546+00		100' X 20'	222.2	222.2	0.02
561+00 To 568+40		740' X 30'	2466.7	2466.7	0.22
615+20 To 617+30		210' X 20'	466.7	466.7	0.04
640+00 To 641+30		130' X 30'	433.3	433.3	0.04
659+00 To 660+00		100' X 20'	222.2	222.2	0.02
STATION EQUATION: Sta. 664+49.88 Back = Sta. 660+47.66 Ahead					
668+00 To 673+15		515' X 23'	1316.1	1316.1	0.12
677+60 To 683+80		620' X 32'	2204.4	2204.4	0.20
SOUTHBOUND LANES I.R.-75					
390+00 To 391+00		100' X 20'	222.2	222.2	0.02
404+20 To 410+00		580' X 25'	1611.1	1611.1	0.14
414+00 To 415+00		100' X 20'	222.2	222.2	0.02
421+25 To 422+25		100' X 40'	444.4	444.4	0.04
433+00 To 433+80		80' X 20'	177.8	177.8	0.02
434+20 To 435+00		80' X 30'	266.7	266.7	0.02
475+25 To 478+00		275' X 20'	611.1	611.1	0.06
509+85 To 516+50		665' X 46'	3398.9	3398.9	0.31
517+20 To 520+00		280' X 38'	1182.2	1182.2	0.11
540+00 To 548+00		800' X 30'	2666.7	2666.7	0.24
599+00 To 600+00		100' X 20'	222.2	222.2	0.02
660+15 To 664+00		385' X 35'	1497.2	1497.2	0.14
STATION EQUATION: Sta. 664+49.88 Back = Sta. 660+47.66 Ahead					
670+00 To 678+00		800' X 20'	1777.8	1777.8	0.16
679+20 To 681+20		200' X 20'	444.4	444.4	0.04
TOTAL CARRIED TO GENERAL SUMMARY			26333	26333	2.38

ITEM 622 CONCRETE BARRIER, TYPE A50, AS PER PLAN

THIS ITEM OF WORK SHALL CONSIST OF FURNISHING AND PLACING ALL MATERIALS, EQUIPMENT AND LABOR NECESSARY TO CONSTRUCT THE PROPOSED CONCRETE BARRIERS AT THE LOCATIONS SPECIFIED ON THE PLANS IN ACCORDANCE WITH PLAN NOTES AND DETAILS, PERTINENT PROVISIONS OF THE O.D.O.T. CONSTRUCTION AND MATERIAL SPECIFICATIONS AND APPLICABLE STANDARD CONSTRUCTION DRAWINGS.



BARRIER DETAIL "A"

LOCATION & STATION

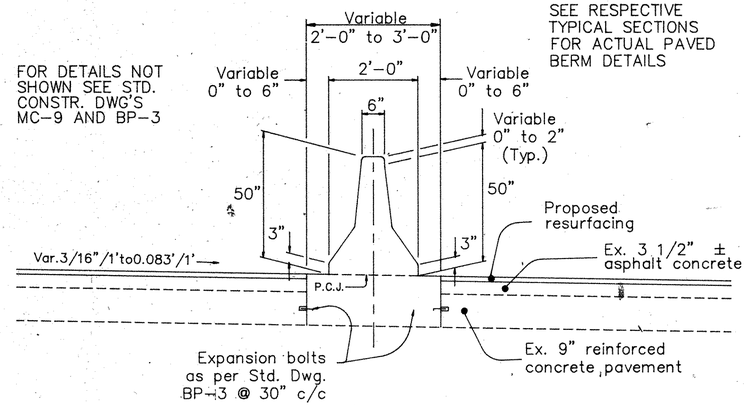
I.R.-75 / U.S.R.-33 INTERCHANGE:
RAMP "E" STA. 0+96 TO RAMP "D" STA. 9+00 = 562 LIN. FT.

I.R.-75 / S.R.-67 INTERCHANGE:
RAMP "A" STA. 10+48.69 TO RAMP "A" STA. 12+60± = 212 LIN. FT.

I.R.-75 / NATIONAL RD. INTERCHANGE:
RAMP "D" STA. 4+03.06 TO RAMP "D" STA. 6+20± = 216 LIN. FT.

TOTAL = 990 LIN. FT.

CONCRETE BARRIER CONSTRUCTED ACCORDING TO BARRIER DETAIL "A" WILL BE CONSTRUCTED AS STANDARD TYPE A50 CONCRETE BARRIER AS SHOWN ON STD. DWG. MC-9 WITH THE EXCEPTION THAT THE UPPER PORTION OF THE PROPOSED BARRIER WILL BE CONSTRUCTED IN A MANNER THAT WILL BE COMPATABLE WITH THE DIFFERENT PAVED BERM SLOPES AND ELEVATIONS AT BOTH SIDES OF THE PROPOSED BARRIER.



BARRIER DETAIL "B"

LOCATION & STATION

I.R.-75 / S.R.-67 INTERCHANGE:
RAMP "B" STA. 8+09.40 TO RAMP "B" STA. 16+45± = 835 LIN. FT.

I.R.-75 / NATIONAL RD. INTERCHANGE:
RAMP "D" STA. 0+48± TO RAMP "D" STA. 4+03.06 = 356 LIN. FT.

TOTAL = 1,191 LIN. FT.

CONCRETE BARRIER CONSTRUCTED ACCORDING TO BARRIER DETAIL "B" WILL BE CONSTRUCTED AS STANDARD TYPE A50 CONCRETE BARRIER AS SHOWN ON STD. DWG. MC-9 WITH THE EXCEPTION THAT THE FOUNDATION PORTION WILL BE CONSTRUCTED TO A VARIABLE WIDTH AND DEPTH AND WILL BE CONSTRUCTED IN A MANNER THAT WILL BE COMPATABLE WITH THE DIFFERENT PAVED BERM SLOPES AND ELEVATIONS AT BOTH SIDES OF THE BARRIER. THE PROPOSED FOUNDATION SHALL BE CONNECTED TO THE ADJACENT EXISTING CONCRETE PAVEMENT WHERE THE FOUNDATION IS LESS THAN 3'-0" IN WIDTH WITH EXPANSION ANCHOR BOLTS. EXPANSION ANCHOR BOLTS SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM OF WORK.

THE METHOD OF MEASUREMENT SHALL BE THE ACTUAL NUMBER OF LINEAR FEET OF CONCRETE BARRIER, MEASURED ALONG THE CENTERLINE OF THE TOP OF THE BARRIER, INCLUDING ALL TRANSITIONS, CONSTRUCTED AS SPECIFIED IN PLACE AND ACCEPTED.

PAYMENT FOR ACCEPTED QUANTITIES WILL BE MADE AT THE CONTRACT PRICE BID FOR ITEM 622 CONCRETE BARRIER, TYPE A50, AS PER PLAN AND SHALL BE FULL COMPENSATION FOR ALL MATERIALS, EQUIPMENT, LABOR AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM OF WORK.

GENERAL NOTES

CALC. BY J.T.S. DATE 7-91	AUGLAIZE COUNTY ALLEN COUNTY AUG-75-4.54 ALL-75-0.00	OHIO FHWA REGION 5 FEDERAL PROJECT
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TEMPORARY SOIL EROSION AND SEDIMENT CONTROL

THE FOLLOWING ESTIMATED QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER, FOR TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES:

207	TEMPORARY SEEDING AND MULCHING	18,894 SQ. YD.
207	STRAW OR HAY BALES	320 EACH
659	COMMERCIAL FERTILIZER	1.28 TON
659	REPAIR SEEDING AND MULCHING	4723 SQ. YD.
659	WATER	5 M. GAL.

Quantities carried to General Summary

ITEM 604 3A50 MEDIAN INLET, AS PER PLAN

THIS ITEM OF WORK SHALL CONSIST OF FURNISHING ALL MATERIALS, LABOR AND EQUIPMENT NECESSARY TO CONSTRUCT THE PROPOSED MEDIAN INLET AT THE LOCATION SPECIFIED IN THE PLANS ACCORDING TO PLAN NOTES AND DETAILS, PERTINENT PROVISIONS OF THE O.D.O.T. CONSTRUCTION AND MATERIAL SPECIFICATIONS AND APPLICABLE STANDARD CONSTRUCTION DRAWINGS.

THIS INLET WILL BE CONSTRUCTED AS A STANDARD 3A50 INLET AS SHOWN ON STD. DWG. I-3A & B WITH THE EXCEPTION THAT THE UPPER PORTION OF THE MEDIAN INLET BARRIER WILL BE SHAPED TO INCORPORATE THE 0" TO 18" IN 6' END TERMINAL TAPER AS SHOWN ON STD.DWG. MC-9 INTO THE PROPOSED INLET BARRIER PROFILE.

THE METHOD OF MEASUREMENT SHALL BE THE ACTUAL NUMBER OF INLETS CONSTRUCTED AS SPECIFIED AND ACCEPTED.

PAYMENT FOR ACCEPTED QUANTITIES WILL BE MADE AT THE CONTRACT PRICE BID FOR ITEM 604, 3A50 INLET, AS PER PLAN AND SHALL BE FULL COMPENSATION FOR ALL MATERIALS, LABOR AND EQUIPMENT NECESSARY TO COMPLETE THIS ITEM OF WORK.

ITEM 604 CATCH BASIN RECONSTRUCTED TO GRADE, AS PER PLAN

THE EXISTING CATCH BASINS AT THE FOLLOWING LOCATIONS SHALL BE RECONSTRUCTED TO GRADE: IR-75 STA. 340+00, STA. 430+00, STA. 601+00 AND STA. 604+50. THE CONTRACTOR SHALL REMOVE THE EXISTING GRATE & FRAME AND ADJUST THE HEIGHT OF THE SUPPORTING WALLS AS PER C.M.S. 604.03, WITH THE EXCEPTION THAT A SOLID CONCRETE SLAB SHALL BE PLACED AS A COVER IN LIEU OF EXISTING FRAME & GRATE. THIS PROPOSED CONCRETE SLAB SHALL BE REINFORCED AND BE A MINIMUM OF 6" THICK. REINFORCEMENT SHALL CONSIST OF FIVE (5) EQUALLY SPACED NO. 4 REBARS IN EACH DIRECTION WITH A MINIMUM OF TWO (2) INCH CLEARANCE. REINFORCING STEEL SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM OF WORK. PAYMENT FOR ALL MATERIALS, LABOR, EQUIPMENT AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM SHALL BE INCLUDED IN ITEM 604: CATCH BASIN RECONSTRUCTED TO GRADE, AS PER PLAN.

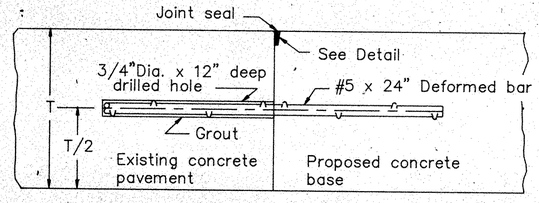
ITEM 305 9" CONCRETE BASE, AS PER PLAN

THE SECOND SENTENCE OF C.M.S. 305.01 (a) SHALL READ:
"LOAD TRANSFER DEVICES ARE REQUIRED AT ALL TRANSVERSE CONTRACTION, CONSTRUCTION AND EXPANSION JOINTS AS PER C.M.S. 451.08"

WHERE THE PROPOSED 9" CONCRETE BASE IS TO BE TIED LONGITUDINALLY TO EXISTING CONCRETE PAVEMENT, THE TRANSVERSE CONTRACTION JOINTS SHALL BE SPACED TO MATCH ALL EXISTING CONTRACTION, CONSTRUCTION, EXPANSION JOINTS AND ANY EXISTING OR NEWLY CONSTRUCTED TYPE Y OR TYPE YU JOINTS IN THE EXISTING PAVEMENT.

TYPE D (DRILLED TIED LONGITUDINAL) JOINTS SHALL BE CONSTRUCTED BETWEEN THE EXISTING CONCRETE PAVEMENT AND THE PROPOSED CONCRETE BASE IN ACCORDANCE WITH C.M.S. 255.05. GROUT SHALL MEET THE REQUIREMENTS OF C.M.S. 255.02. THE USE OF 5/8" EXPANSION ANCHORS, FF-S-325, GROUP VIII, TYPE 1 OR GROUP II, TYPE 4, CLASS 1 WILL BE PERMITTED IN LIEU OF THE #5x24" DEFORMED BAR AND SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

THE USE OF SELF-DRILLING EXPANSION SHIELD ANCHORS, FF-S-325, GROUP III, TYPE 1 (a) AND (c) SHALL NOT BE PERMITTED.



FOR JOINT DETAILS NOT SHOWN SEE STD. DWG. BP-3

TYPE D (DRILLED TIED LONGITUDINAL) JOINT

ITEM 305 10" CONCRETE BASE, AS PER PLAN

THE SECOND SENTENCE OF C.M.S. 305.01 (a) SHALL READ:
"LOAD TRANSFER DEVICES ARE REQUIRED AT ALL TRANSVERSE CONTRACTION, CONSTRUCTION AND EXPANSION JOINTS AS PER C.M.S. 451.08"

TYPE Y TRANSVERSE CONTRACTION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. DWG. BP-13 BETWEEN THE PROPOSED CONCRETE BASE AND THE EXISTING CONCRETE PAVEMENT AT THE ENDS OF THE PROPOSED PAVEMENT REPLACEMENT AREAS.

LONGITUDINAL JOINTS SHALL BE CONSTRUCTED AS SHOWN ON THE RESPECTIVE TYPICAL SECTIONS.

A:AU75GN04 19920204

PAVEMENT AND BERM CALCULATIONS

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00

CALC. BY L.H. DATE 05/91	FHWA REGION	STATE	PROJECT		61/231
CHKD. BY C.L.T. DATE 05/91	5	OHIO			

LOCATION AND STATION	SIDE	LENGTH	WIDTH	SURFACE AREA	TYPICAL SECTION NO.	PVMT. TRANSITION DETAIL NO.	ITEM 202 WEARING COURSE REMOVED	ITEM 254 PAVEMENT PLANING BITUMINOUS	ITEM 446 ASPHALT CONCRETE SURFACE COURSE AC–20 1 1/4"	ITEM 446 ASPHALT CONCRETE INTERMED. COURSE AC–20 1 3/4"	ITEM 446 ASPHALT CONCRETE INTERMED. COURSE AC–20 2"	ITEM 407 TACK COAT	ITEM 617 COMPACTED AGGREGATE	ITEM 617 WATER
				SQ. FT.			SQ. YD.	SQ. YD.	CU. YD.	CU. YD.	CU. YD.	GAL.	CU. YD.	M. GAL.
N.B. & S.B. I.R.–75														
290+29.47 to 291+54.47	Both	125'	76'	9500		A	527.78	527.78	53.15			79.17	9.26	0.14
291+54.47 to 293+01.21	↓	146.74'	66'	9,684.84	1			1,076.09	37.38	52.30		80.71	8.15	0.12
293+01.21 to 294+01.21		100'	66' to 76'	7,100	↓			788.89	27.40	38.34		59.17	5.56	0.08
294+01.21 to 301+49.98		784.77'	76'	56,906.52				6,322.95	219.62	307.30		474.22	43.60	0.65
301+49.98 to 305+92.97		442.99'	56'	24,807.44				2,756.38	95.74	133.96		206.73	16.41	0.25
305+92.97 to 309+10.47		317.50'	66'	20,955				2,328.33	80.87	113.16		174.63	17.64	0.26
309+10.47 to 311+49.68		239.21'	76'	18,179.96	↓			2,020.00	70.16	98.17		151.50	17.72	0.27
311+49.68 to 313+20.55		170.87'	66'	11,277.42	1			1,253.05	43.52	60.90		93.98	9.49	0.14
313+20.55 to 313+43.89	↓	23.34'	66'	1,540.44		F		171.16	12.40			12.84	1.30	0.02
313+43.89 to 314+45.55	Both	101.66'	88'	8,946.08		F	611.11	382.90	46.55			74.55	7.53	0.11
AUG–75–0498 L&R														
N.B. I.R.–75:														
316+84.98 to 319+09.98	Rt.	225'	50'	11,250		E	347.22	902.78	64.39	34.72		93.75	13.89	0.21
319+09.98 to 319+98.29	↓	88.31'	50'	4,415.50	4			490.61	17.04	23.84	27.26	36.80	5.45	0.08
319+98.29 to 320+70.86		72.57'	50'	3,628.50		E1		403.17	14.00	33.87		30.24	4.48	0.07
320+70.86 to 322+23.29		152.43'	50' to 44.25'	7,183.26		E1	315.47	482.67	47.83	0.85		59.86	9.41	0.14
AUG–75–0515R:														
323+67.91 to 324+97.95	↓	130.04'	44.25' to 50'	6,128.14		E1	316.90	364.00	36.72			51.07	8.03	0.12
324+97.95 to 325+92.91	Rt.	94.96'	50'	4,748		E1		527.56	20.87			39.57	5.86	0.09
S.B. I.R.–75:														
316+94.04 to 318+19.04	Lt.	125'	38'	4,750		F	263.89	263.89	28.40			39.58	4.62	0.07
318+19.04 to 318+67.70	↓	48.66'	38'	1,849.08	4			205.45	7.14	9.99		15.41	1.80	0.03
318+67.70 to 319+67.70		100'	38' to 51'	4,450	4			494.44	17.17	24.03		37.08	3.70	0.06
319+67.70 to 321+27.23		159.53'	28'	4,466.84	4			496.32	17.24	24.12		37.22	2.95	0.04
321+27.23 to 322+11.44		84.21'	28'	2,357.88		F1	67.54	194.45	15.95			19.65	1.56	0.02
322+11.44 to 322+52.23		40.79'	46.4'± to 44.25'	1,848.81		F1	205.42		8.06			15.41	1.51	0.02
AUG–75–0515L:														
323+96.84 to 325+21.84		125'	44.25' to 49.3'±	5,846.88		F1	316.08	333.61	35.18			48.72	4.63	0.07
325+21.84 to 325+51.64	↓	29.80'	49.3'± to 50'	1,479.57	5			164.40	5.71	7.99		12.33	1.10	0.02
325+51.64 to 325+92.91	Lt.	41.27'	50'	2,063.50	5			229.28	7.96	11.14		17.20	1.53	0.02
N.B. & S.B. I.R.–75														
321+92.91 to 328+18.99	Both	226.08'	100'	22,608	5			2,512.00	87.25	122.08	69.79	188.40	22.33	0.34
328+18.99 to 329+46.55	↓	127.56'	78'	9,949.68	↓			1,105.52	38.40	53.73	39.38	82.91	10.24	0.15
329+46.55 to 331+90.00		243.45'	56'	13,633.20				1,514.80	52.61	73.62	42.09	113.61	12.02	0.18
331+90.00 to 332+01.73	↓	11.73'	66	774.18	5			86.02	2.99	4.18	2.03	6.45	0.94	0.01
332+01.73 to 335+00.00	Both	298.27'	76'	22,688.52	6			2,520.95	87.56	122.51	69.98	189.07	29.46	0.44
335+00.00 to 341+00.00	Both	600'	76'	45,600	6	AA/BB	4,433.33	633.33	175.98	250.64	13.19	380.00	59.25	0.89
341+00.00 to 344+37.63	Both	337.63'	76'	25,659.88	6			2,851.10	99.03	138.56	79.21	213.83	33.35	0.50
344+37.63 to 344+42.58	↓	4.95'	66'	326.70	↓			36.30	1.26	1.76	0.86	2.72	0.40	0.01
344+42.58 to 348+20.35		377.77'	56'	21,155.12				2,350.57	81.64	114.24	65.31	176.29	18.65	0.28
348+20.35 to 348+34.70	↓	14.35'	76'	1,090.60	↓			121.18	4.21	5.89	4.25	9.09	1.15	0.02
348+34.70 to 351+87.00	Both	352.30'	96'	33,820.80	6			3,757.87	130.52	182.63	104.41	281.84	34.48	0.52
351+87.00 to 352+87.00	Both	100'	96' to 86'	9,100	6			1,011.11	35.12	49.14	29.64	75.83	9.88	0.15
352+87.00 to 355+10.00	↓	223'	86'	19,178	↓			2,130.89	74.01	103.56	66.09	159.82	22.02	0.33
355+10.00 to 357+60.00	↓	250'	86' to 76'	20,250	↓			2,250.00	78.15	109.35	66.37	168.75	24.69	0.37
357+60.00 to 368+35.00	Both	1,075'	76'	81,700	6			9,077.78	315.30	441.18	252.21	680.83	106.16	1.59
368+35.00 to 374+35.00	Both	600'	76'	45,600	6	AA/BB	4,433.33	633.33'	175.98	250.64	13.19	380.00	59.25	0.89
374+35.00 to 407+80.00	Both	3,345'	76'	254,220	6/11			28,246.67	981.10	1,372.79	784.79	2,118.50	330.34	4.96
407+80.00 to 410+30.00	↓	250'	76' to 86'	20,250	6			2,250.00	78.15	109.35	58.65	168.75	24.69	0.37
410+30.00 to 416+15.00	↓	585'	86'	50,310	6			5,590.00	194.16	271.67	137.25	419.25	57.78	0.87
416+15.00 to 417+15.00	Both	100'	86' to 96'	9,100	6			1,011.11	35.12	49.14	26.55	75.83	9.88	0.15
SUBTOTALS										4,802	1,953			
TOTALS CARRIED TO SHEET NO. 68							11,839	92,869	3759		6,755	7,853	1075	17

A:AU75CS1 19920214

PAVEMENT AND BERM CALCULATIONS

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00

CALC. BY L.H. DATE 05/91	FHWA REGION	STATE	PROJECT	
CHKD. BY C.L.T. DATE 05/91	5	OHIO		

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LOCATION AND STATION	SIDE	LENGTH	WIDTH	SURFACE AREA	TYPICAL SECTION NO.	PVM'T. TRANSITION DETAIL NO.	ITEM 202 WEARING COURSE REMOVED	ITEM 254 PAVEMENT PLANING BITUMINOUS	ITEM 446 ASPHALT CONCRETE SURFACE COURSE AC–20 1 1/4"	ITEM 446 ASPHALT CONCRETE INTERMED. COURSE AC–20 1 3/4"	ITEM 446 ASPHALT CONCRETE INTERMED. COURSE AC–20 2"	ITEM 407 TACK COAT	ITEM 617 COMPACTED AGGREGATE	ITEM 617 WATER	ITEM 203 EXCAVATION NOT INCLUDING EMBANK. CONSTR.	ITEM 305 10" CONCRETE BASE AS PER PLAN	ITEM 310 SUBBASE TYPE 1 GRADING A AS PER PLAN	ITEM 203 SUBGRADE COMP–ACTION	ITEM 202 PAVEMENT REMOVED
				SQ. YD.			SQ. YD.	SQ. YD.	CU. YD.	CU. YD.	CU. YD.	GAL.	CU. YD.	M. GAL.	CU. YD.	SQ. YD.	CU. YD.	SQ. YD.	SQ. YD.
N.B. & S.B. I.R.–75																			
417+15.00 to 417+75.17	Both	60.17'	96'	5,776.32	6			641.81	22.29	31.19	17.83	48.14	5.94	0.09					
417+75.17 to 420+97.07	↑	321.90'	76'	24,464.40	↑			2,718.27	94.41	132.11	55.65	203.87	25.83	0.39					
420+97.07 to 422+56.65	↑	159.58'	86'	13,723.88	↑			1,524.88	52.96	74.11	27.59	114.37	15.76	0.24					
422+56.65 to 424+56.50	↑	199.85'	66'	13,190.10	↑			1,465.57	50.90	71.23	34.55	109.92	13.57	0.20					
424+56.60 to 425+00.00	Both	43.50'	76'	3,306	6			367.33	12.76	17.85	10.21	27.55	4.30	0.06					
425+00.00 to 427+40.00	Both	240'	76'	18,240	6	G/H	1,750.11	276.56	70.39	92.09	3.84	152.00	23.70	0.36					
427+40.00 to 429+03.80	↑	163.80'	76'	12,448.80	16				48.04	67.22		103.74	32.35	0.48	32.35	1,383.20	209.30	1,383.20	873.60
429+03.80 to 430+98.00	↑	194.20'	66'	12,817.20	16				49.47	69.21		106.81	28.77	0.43	28.77	1,424.13	221.17	1,424.13	1,035.73
430+98.00 to 434+06.00	↑	308'	86'	26,488	16				102.22	143.04		220.73	60.83	0.91	60.83	2,943.11	462.00	2,943.11	2,053.33
434+06.00 to 434+75.00	Both	69'	86'	5,934	6	G/H	659.33		22.90	32.04		49.45	6.81	0.10					
434+75.00 to 436+50.00	Both	175'	76'	13,300	6	G/H	1,123.11	354.67	51.33	63.62	4.93	110.83	14.04	0.21					
436+50.00 to 437+96.86	↑	146.86'	76'	11,161.36	↑			1,240.15	43.08	60.27	43.52	93.01	11.78	0.18					
437+96.86 to 439+13.00	↑	116.14'	96'	11,149.44	↑			1,238.83	43.03	60.21	34.42	92.91	11.47	0.17					
439+13.00 to 440+67.00	Both	154'	96' to 88.6'	14,214.20	6			1,579.36	54.86	76.76	42.12	118.45	15.21	0.23					
440+67.00 to 441+63.00	Both	96'	88.6' to 86'	8,380.80	6			931.20	32.34	45.26	23.29	69.84	9.48	0.14					
441+63.00 to 442+49.00	↑	86'	86'	7,396	↑			821.78	28.54	39.94	20.18	61.63	8.49	0.13					
442+49.00 to 443+49.00	↑	100'	86' to 76'	8,100	↑			900.00	31.26	43.74	23.46	67.50	9.88	0.15					
443+49.00 to 446+05.16	Both	256.16'	76'	19,468.16	6			2,163.31	75.13	105.13	60.10	162.24	25.30	0.38					
N.B. I.R.–75:																			
446+05.16 to 448+30.16	Rt.	225'	38'	8,550		E	263.89	686.11	48.93	26.39		71.25	22.22	0.33					
AUG–75–0545R:																			
450+02.66 to 452+27.66	Rt.	225'	38'	8,550		E	263.89	686.11	48.93	26.39		71.25	22.22	0.33					
S.B. I.R.–75:																			
446+05.16 to 446+85.34	Lt.	80.18'	38'	3,046.84	6			338.54	11.76	16.45		25.39	2.97	0.05					
446+85.34 to 448+10.34	Lt.	125'	38'	4,750		F	263.89	263.89	28.40			39.58	4.63	0.07					
AUG–75–0545L:																			
449+82.84 to 451+07.84	Lt.	125'	38'	4,750		F	263.89	263.89	28.40			39.58	4.63	0.07					
451+07.84 to 452+27.66	Lt.	119.82'	38'	4,553.16	6			505.91	17.57	24.59		37.94	4.44	0.07					
N.B. & S.B. I.R.–75																			
452+27.66 to 463+00.00	Both	1,072.34'	76'	81,497.84	6			9,055.32	314.52	440.09	251.59	679.15	105.90	1.59					
463+00.00 to 463+50.00	↑	50'	66'	3,300	↑			366.67	12.74	17.82	11.73	27.50	4.01	0.06					
463+50.00 to 464+50.00	↑	100'	66' to 76'	7,100	↑			788.89	27.40	38.34	26.55	59.17	8.03	0.12					
464+50.00 to 466+95.69	↑	245.69'	76'	18,672.44	↑			2,074.72	72.06	100.83	72.81	155.60	19.71	0.30					
466+95.69 to 471+50.00	Both	454.31'	56'	25,441.36	6			2,826.82	98.19	137.38	78.54	212.01	22.43	0.34					
471+50.00 to 475+00.00	Both	350'	66'	23,100	6			2,566.67	89.15	124.74	82.12	192.50	28.08	0.42					
475+00.00 to 488+31.00	↑	1,331'	76'	101,156	6/11			11,239.56	390.39	546.24	312.27	842.97	131.44	1.97					
488+31.00 to 493+50.00	↑	519'	66'	34,254	↑			3,806.00	132.20	184.97	89.72	285.45	35.24	0.53					
493+50.00 to 495+31.57	↑	181.57'	99' to 95.2'±	17,630.45	↑			1,958.94	68.04	95.20	66.25	146.92	17.93	0.27					
495+31.57 to 499+54.31	Both	422.74'	85.2'± to 76.4'±	34,157.39	6/11			3,795.26	131.82	184.45	137.81	284.65	33.92	0.51					
499+54.31 to 502+31.57	Both	277.26'	96.4'± to 90.6'±	25,923.81	6			2,880.42	100.05	139.99	77.89	216.03	27.38	0.41					
502+31.57 to 503+31.57	↑	100'	90.6'± to 78.6'±	8,460	↑			940.00	32.65	45.68	25.68	70.50	9.88	0.15					
503+31.57 to 504+54.00	↑	122.43'	78.6'± to 76'	9,463.84	↑			1,051.54	36.52	51.10	29.71	78.87	12.09	0.18					
504+54.00 to 505+50.00	Both	96'	76'	7,296	6			810.67	28.16	39.40	22.52	60.80	9.48	0.14					
505+50.00 to 600+00.00	Both	9,450'	76'	718,200	6			79,800.00	2,771.72	3,878.28	2,217.11	5,985.00	933.24	14.00					
600+00.00 to 606+00.00	Both	600'	76'	45,600	6	AA/BB	4,433.33	633.33	175.98	260.64	13.60	380.00	59.25	0.89					
606+00.00 to 664+49.88	Both	5,849.88'	76'	444,590.88	6/11			49,398.99	1,715.79	2,400.79	1,372.47	3,704.92	577.71	8.67					
Station Equation: Sta. 664+49.88 Back = Sta. 660+47.66 Ahead																			
SUBTOTALS										9,995	5,290								
TOTALS CARRIED TO SHEET NO. 68							9,022	192,962	7,268	15,285		15,580	2,421	37	122	5,751	893	5,751	3,963

A:AU75CS2 19920214

PAVEMENT AND BERM CALCULATIONS

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00

CALC. BY L.H. DATE 05/91
CHKD. BY C.L.T. DATE 05/91

FHWA REGION	STATE	PROJECT	
5	OHIO	-	

63/231

LOCATION AND STATION	SIDE	LENGTH	WIDTH	SURFACE AREA	TYPICAL SECTION NO.	PVM'T. TRANSITION DETAIL NO.	ITEM 202 WEARING COURSE REMOVED	ITEM 254 PAVEMENT PLANING BITUMINOUS	ITEM 446 ASPHALT CONCRETE SURFACE COURSE AC–20 1 1/4"	ITEM 446 ASPHALT CONCRETE INTERMED. COURSE AC–20 1 3/4"	ITEM 446 ASPHALT CONCRETE INTERMED. COURSE AC–20 2"	ITEM 407 TACK COAT	ITEM 617 COMPACTED AGGREGATE	ITEM 617 WATER	ITEM 301 BIT. AGGREGATE BASE AC–20 3"	ITEM 305 10" CONCRETE BASE AS PER PLAN	ITEM 304 AGGREGATE BASE AS PER PLAN 6"	ITEM 310 SUBBASE TYPE 1 GRADING A AS PER PLAN	ITEM 203 EXCAVATION NOT INCLUDING EMBANK. CONSTR.	ITEM 203 SUBGRADE COMP–ACTION	ITEM 202 PAVEMENT REMOVED
				SQ. FT.			SQ. YD.	SQ. YD.	CU. YD.	CU. YD.	CU. YD.	GAL.	CU. YD.	M. GAL.	CU. YD.	SQ. YD.	CU. YD.	CU. YD.	CU. YD.	SQ. YD.	SQ. YD.
N.B. & S.B. I.R.–75																					
Station Equation: Sta. 664+49.88		Back = Sta.	660+47.66	Ahead																	
660+47.66 to 678+75.00	Both	1,827.34'	76'	138,877.84	6/11			15,430.87	535.97	749.94	428.72	1,157.32	180.46	2.71							
678+75.00 to 679+71.00	↑	96'	76'	7,296	6			810.67	28.16	39.40	22.52	60.80	9.48	0.14							
679+71.00 to 681+25.00	↓	154'	76' to 86'	12,474	↓			1,386.00	48.14	67.36	36.13	103.95	15.21	0.23							
681+25.00 to 688+90.85	↓	765.85'	86'	65,863.10	↓			7,318.12	254.18	355.66	179.68	548.86	75.63	1.13							
688+90.85 to 691+78.21	Both	287.36'	66'	18,965.76	6			2,107.31	73.19	102.42	67.42	158.05	23.06	0.35							
691+78.21 to 692+00.00	Both	21.79'	76'	1,656.04	6			184.00	6.39	8.94	5.11	13.80	2.15	0.03							
692+00.00 to 693+00.00	↑	100'	76'	7,600	↑	G/H	563.67	280.78	29.33	44.20	6.18	63.33	9.88	0.15							
693+00.00 to 694+00.00	↓	100'	76' to 84.4'±	8,020	↓	G/H	891.11		30.95	43.31		66.83	9.88	0.15	16.37	300		51.61		300	
694+00.00 to 694+44.00	Both	44'	84.4'	3,713.60	6	G/H	412.62		14.33	20.05		30.95	4.35	0.07	1.62	127.11		21.53		127.11	
694+44.00 to 697+16.16	Both	272.16'	84.4'	22,970.30	16				88.65	124.04		191.42	53.76	0.81		2,552.26		392.62	53.76	2,552.26	1,766.02
697+16.16 to 701+32.00	↑	415.84'	66'	27,445.44	16				105.92	148.21		228.72	61.60	0.92		3,049.49		473.60	61.60	3,049.49	2,217.81
701+32.00 to 701+54.00	↓	22'	76'	1,672	16				6.45	9.03		13.93	4.35	0.07		185.78		28.11	4.35	185.78	117.33
701+54.00 to 704+50.00	↓	296'	76'	22,496	6	G/H	2,158.82	340.73	86.82	124.64	4.73	187.47	29.23	0.44							
704+50.00 to 704+62.00	Both	12'	76'	912	6			101.33	3.52	4.93	2.82	7.60	1.19	0.02							
704+62.00 to 705+67.00	Both	105'	66'	6,930	6			770.00	26.75	37.42	24.64	57.75	8.43	0.13							
705+67.00 to 707+83.87	↑	216.87'	56'	12,144.72	↑			1,349.41	46.87	65.58	37.49	101.21	10.71	0.16							
707+83.87 to 708+84.08	↓	100.21'	76'	7,615.96	↓			846.22	29.39	41.13	23.51	63.47	8.04	0.12							
Station Equation: Sta. 708+84.08		Back to Sta.	0+00.00	Ahead																	
0+00.00 to 0+19.40	↓	19.40'	76'	1,474.40	↓	B		163.82	5.69	7.96	5.03	12.29	1.56	0.02							
0+19.40 to 1+50.00	Both	130.60'	96'	12,537.60	6	B		1,393.07	48.39	76.04	3.35	104.48	12.90	0.19							
1+50.00 to 3+37.00	Both	187'	96'	17,952	18			1,994.67	69.28	96.94		149.60	18.47	0.28							
3+37.00 to 4+37.00	↑	100'	96' to 86'	9,100	↑			1,011.11	35.12	49.14		75.83	9.88	0.15							
4+37.00 to 7+11.00	↑	274'	86'	23,564	↓			2,618.22	90.94	127.25		196.37	27.06	0.41							
7+11.00 to 9+61.00	↓	250'	86' to 76'	20,250	18			2,250.00	78.15	109.35		168.75	24.69	0.37							
9+61.00 to 10+86.00	Both	125'	76'	9,500	A		527.78	527.78	56.81			79.17	12.34	0.19							
N.B. & S.B. I.R.–75																					
Add for paved berms adjacent to AUG–75–0545 concrete pier protection																					
337+45.45 to 337+97.36	Rt.	51.92'	1.4'±	73	6			8.11	0.28	0.39		0.61	–1.28	–0.02	0.68		1.35	1.35			
338+40.87 to 338+92.79	Lt.	51.92'	1.4'±	73	6			8.11	0.28	0.39		0.61	–1.28	–0.02	0.68		1.35	1.35			
Deduct for paved berms adjacent to AUG–75–0608 concrete pier protection																					
370+76.0± to 371+76±	Rt.	100.0'±	0' to 1.8'±	125±	6			–13.89	–0.48	–0.68	–0.77	–1.04	–1.04	–0.02							
371+02± to 372+07±	Lt.	105.0'±	1.8'± to 0'	129±	6			–14.33	–0.50	–0.70		–1.08	–1.04	–0.02							
Deduct for paved berms adjacent to AUG–75–0720/AUG–67–0345 concrete pier protection																					
430+85± to 432+54±	Rt.	169.0'±	0' to 3.09'±	133	16				–0.51	–0.72		–1.10	–2.74	–0.04		–14.78		–2.46			
428+90.0± to 430+95.0±	Lt.	205.0'±	3.9'± to 0'	616	16				–2.38	–3.32		–5.13	–2.74	–0.04		–68.44		–11.41			
Add for paved berms adjacent to AUG–75–0876 concrete pier protection																					
513+11.82 to 513+57.16	Rt.	45.3'±	0.4'± to 0.6'±	23	6			2.56	0.09			0.19	–1.12	–0.02	0.21		0.43	0.43			
512+61.22 to 513+06.56	Lt.	45.3'±	0.6'± to 0.4'±	23	6			2.56	0.09			0.19	–1.12	–0.02	0.21		0.43	0.43			
Add for paved berms adjacent to AUG–75–1047 concrete pier protection																					
602+90.63 to 603+49.97	Rt.	59.3'±	0.3'±	16	6			1.78	0.06			0.13	–1.46	–0.03	0.15		0.30	0.30			
602+39.11 to 602+84.45	Lt.	45.3'±	0.3'±	13	6			1.44	0.05			0.11	–1.12	–0.02	0.12		0.24	0.24			
Deduct/Add for paved berms adjacent to AUG–75–1234 concrete pier protection																					
696+85± to 697+16.16	Rt.	31.2±	0' to 2.9'±	45	16			–5.00	–0.17			–0.38				–5.00		–0.83			
697+70.23 to 698+37.39	Lt.	67.2±	0.5'± to 1.7'±	75	16			8.33	0.29			0.63	–1.24	–0.02		8.33	1.39	1.39			
SUBTOTALS										2,449	847										
TOTALS CARRIED TO SHEET NO. 68							4,554	40,884	1,797		3,296	3,836	599	9	21	6,135	6	958	120	6,215	4,102

A:AU75CS3 19920214

PAVEMENT AND BERM CALCULATIONS

* AREA BY PLANIMETER

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00

CALC. BY L.H. DATE 05/91	FHWA REGION	STATE	PROJECT		64 / 231
CHKD. BY C.L.T. DATE 05/91	5	OHIO			

LOCATION AND STATION	SIDE	LENGTH	WIDTH	SURFACE AREA	TYPICAL SECTION NO.	PVM'T. TRANSITION DETAIL NO.	ITEM 202 WEARING COURSE REMOVED	ITEM 254 PAVEMENT PLANING BITUMINOUS	ITEM 446 ASPHALT CONCRETE SURFACE COURSE AC–20 1 1/4"	ITEM 446 ASPHALT CONCRETE INTERMED. COURSE AC–20 1 3/4"	ITEM 446 ASPHALT CONCRETE INTERMED. COURSE AC–20 2"	ITEM 407 TACK COAT	ITEM 617 COMPACTED AGGREGATE	ITEM 617 WATER	ITEM 301 BIT. AGGREGATE BASE AC–20	ITEM 305 9" CONCRETE BASE AS PER PLAN	ITEM 305 10" CONCRETE BASE AS PER PLAN	ITEM 310 SUBBASE TYPE 1 GRADING A AS PER PLAN	ITEM 202 PAVEMENT REMOVED	ITEM 203 SUBGRADE COMP–ACTION	ITEM 203 EXCAVATION NOT INCLUDING EMBANK. CONSTR–UCTION
				SQ. FT.			SQ. YD.	SQ. YD.	CU. YD.	CU. YD.	CU. YD.	GAL.	CU. YD.	M. GAL.	CU. YD.	SQ. YD.	SQ. YD.	CU. YD.	SQ. YD.	SQ. YD.	CU. YD.
I.R.–75/U.S.R.–33 Interchange:																					
Ramp A:																					
6+33± to 6+95.50	Both	62.5'	37'	2,312.50		C	128.47	128.47	12.93			19.27	2.32	0.04							
6+95.50 to 8+74.35	↑	178.85'	37'	6,617.45	21			735.27	25.54	35.73		55.15	6.62	0.10							
8+74.35 to 11+70.32		295.97'	34'	10,062.98	21			1118.11	38.84	54.34		83.86	5.48	0.08							
11+70.32 to 16+42.34		472.02'	37'	17,464.74	21			1940.53	67.40	94.31		145.54	17.48	0.26							
16+42.34 to 17+98.90	↓	———	———	5,725*	7			636.11	22.09	30.92		47.71	2.90	0.04							
17+98.90 to 18+83.11	Both	84.21'	23.5' to 18.4'±	1,764.20	7	F1	46.03	145.48	9.42			14.70	1.56	0.02							
Ramp A turnout to W.B. U.S.R.–33:																					
Transition area	—	—	—	1,005*		C	54.89	54.89	5.78			8.36	1.44	0.02							
Area to be resurfaced	—	—	—	3,265*				362.77	12.60	17.63		27.20	5.33	0.08							
Ramp C:																					
4+08.9± to 4+71.4	Both	62.5'	27'	1,687.50		C	93.75	93.75	9.77			14.06	2.32	0.04							
4+71.4 to 7+67	↑	295.60'	27'	7,981.20	22			886.80	30.80	43.10		66.51	10.95	0.16							
7+67 to 10+26.50		259.50'	24'	6,228	↑			692.00	24.04	33.63		51.90	4.81	0.07							
10+26.50 to 13+09.21		282.71'	27'	7,633.17	↓			848.13	29.46	41.21		63.61	10.47	0.16							
13+09.21 to 14+04.50	↓	95.29'	27' to 27.8'±	2,611	22			290.11	10.08	14.10		21.76	1.76	0.03							
14+04.50 to 31+59.81	Both	—	—	50,694*	2			5632.67	195.64	273.75		422.45	32.52	0.49							
Ramp D:																					
3+09± to 3+71.50	Both	62.5'	27'	1,687.50		C	93.75	93.75	9.77			14.06	2.32	0.03							
3+71.50 to 5+79.76	↑	—	—	5,500*	23			61.11	21.23	29.70		45.83	4.69	0.07							
5+79.76 to 7+24.95		145.19'	32.76' to 30.5'	4,592.36	26			510.26	17.72	24.80		38.27	2.69	0.04	17.09	123.09		20.52		123.09	68.38
7+24.95 to 9+00.00		175.05'	30.5'	5,339.03	26			593.23	20.61	28.83		44.49	3.24	0.05	17.56	126.45		21.07		126.45	70.25
9+00.00 to 11+98.3		298.30'	27'	8,054.10	23			894.90	31.08	43.49'		67.12	11.05	0.17							
11+98.3 to 13+64.77	↓	—	—	4,825*	3			536.11	18.62	26.06		40.21	3.08	0.05							
13+64.77 to 13+92.64	Both	27.87'	22'	613.14	3	F			5.22			5.11	0.52	0.01							
Ramp E:																					
0+86± to 1+48.50	Both	62.5'	34.76'	2,172.50		C	120.69	120.69	12.15			18.10	1.16	0.02	8.68	62.50		10.42		62.50	34.72
1+48.50 to 3+26.68	Both	—	—	4,286*	26			476.22	16.54	23.14		35.72	1.02	0.02	21.68	173.43		28.91		173.43	93.94
Ramp F:																					
0+00 to 4+59.6±	Both	—	—	13,050*	3			1450.00	50.36	70.47		108.75	8.51	0.13							
4+59.6± to 10+20±	↑	560.4'	27'	15,130.80	25			1681.20	58.39	81.71		126.09	20.76	0.31							
10+20± to 11+26.66		106.66'	34' to 30.5'	3,439.79	26			382.20	13.28	18.57		28.66	1.98	0.03	12.22	97.77		29.13		133.33	65.80
11+26.66 to 12+92.68		166.02'	30.5' to 32.76'	5,251.21	26			583.47	20.27	28.36		43.76	3.07	0.05	17.59	140.75		43.44		196.09	96.22
12+92.68 to 13+00	↓	7.32'	32.76'	239.80	26			26.64	0.93	1.29		2.00	0.14	0.01	0.89	7.13		2.07		9.57	4.74
13+00 to 15+53.36	Both	—	—	9,080*	24								5.22	0.08			1,008.89	181.94	488.57	1,091.66	
Ramp G:																					
2+74± to 3+36.50	Both	—	—	1,852*		C	102.89	102.89	10.36			15.43	2.52	0.04							
3+36.50 to 10+26(Ramp C)	Both	—	—	4,862*	25			540.22	18.76	26.25		40.52	5.56	0.08							
I.R.–75/Bellefontaine Street Interchange:																					
Ramp A:																					
1+43.51 to 3+88±	Both	———	———	6,609*	5/8			734.33	25.51	35.69	40.80	55.08	7.55	0.11							
3+88± to 4+38	↑	50'	22'	1,100		M		122.22	4.25	9.33		9.17	3.09	0.05						-	
4+38 to 7+75		337'	22'	7,414	27/28			823.78	28.61	40.04		61.78	12.48	0.19							
7+75 to 8+39.69	↓	———	———	1,632*	27/28			181.33	6.30	8.81		13.60	2.41	0.04							
8+39.69 to 8+64.69	Both	———	———	1,328*		N	147.56		8.71			11.06	1.11	0.02							
SUBTOTALS										1,135.26	40.80										
TOTALS CARRIED TO SHEET NO. 68							789	24,030	894		1,176	1,868	211	4	96	732	1,009	338	489	1,917	435

PAVEMENT AND BERM CALCULATIONS

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00

CALC. BY L.H. DATE 05/91	FHWA REGION	STATE	PROJECT	
CHKD. BY C.L.T. DATE 05/91	5	OHIO		

65/231

* AREA BY PLANIMETER

LOCATION AND STATION	SIDE	LENGTH	WIDTH	SURFACE AREA	TYPICAL SECTION NO.	PVM'T. TRANSITION DETAIL NO.	ITEM 202 WEARING COURSE REMOVED	ITEM 254 PAVEMENT PLANING BITUMINOUS	ITEM 446 ASPHALT CONCRETE SURFACE COURSE AC–20 1 1/4"	ITEM 446 ASPHALT CONCRETE INTERMED. COURSE AC–20 1 3/4"	ITEM 446 ASPHALT CONCRETE INTERMED. COURSE AC–20 2"	ITEM 448 ASPHALT CONCRETE INTERMED. COURSE AC–20 1/2"	ITEM 407 TACK COAT	ITEM 617 COMPACTED AGGREGATE	ITEM 617 WATER	ITEM 310 SUBBASE TYPE 1 GRADING A AS PER PLAN	ITEM 301 BIT. AGGREGATE BASE AC–20	ITEM 659 SEEDING AND MULCHING	ITEM 305 9" CONCRETE BASE AS PER PLAN	ITEM 202 PAVEMENT REMOVED	ITEM 203 SUBGRADE COMP–ACTION	ITEM 203 EMBANKMENT	ITEM 203 EXCAVATION NOT INCLUDING EMBANK. CONSTR–UCTION
				SQ. FT.			SQ. YD.	SQ. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.	GAL.	CU. YD.	M. GAL.	CU. YD.	CU. YD.	SQ. YD.	SQ. YD.	SQ. YD.	SQ. YD.	SQ. YD.	CU. YD.	CU. YD.
I.R.–75/Bellefontaine Street Interchange: (CONT'D.)																							
Ramp B:																							
3+66.54 to 3+91.54	Both	25'	22'	550		N	61.11		3.18				4.58	0.93	0.01								
3+91.54 to 5+28±	↑	136.46'	22'	3,002.12	27/28			333.57	11.59	16.21			25.02	5.05	0.08								
5+28± to 6+50	↓	122'	19'	2,318	27/28			257.56	8.95	12.52			19.32	2.26	0.03								
6+50 to 7+25	Both	75'	22.9'± to 22'	1,683.75	27/28			187.08	6.50	9.09			14.03	2.78	0.04								
7+25 to 12+27.74	Both	502.74'	22'	11,060.28	27/28			1228.92	42.68	59.73			92.17	18.62	0.28								
12+27.74 to 13+04.95	↑	77.21'	22' to 23.9'	1,771.97	27			196.89	6.84	9.57			14.77	2.86	0.04								
13+04.95 to 13+54.95	↓	50'	23.9' to 25.2'	1,227.50		M		136.39	4.74	6.63			10.23	3.09	0.05								
13+54.95 to 17+37.74	Both	—	—	10,125*	6/10			1125.00	39.08	54.68	62.50		84.38	11.82	0.18								
Ramp B turnout to Bellefontaine Street:																							
Transition area	—	25'	20'	800		N	55.56		4.63				6.67	2.74	0.04	5.40	3.09	66.89	37.00		37.00	1.06	17.73
Area to be resurfaced	—	—	—	2,322.25*				156.44	8.96	12.54			19.35	8.57	0.13	15.98	8.47	269.89	101.59		101.59	4.28	49.85
Ramp C:																							
3+66.54 to 3+91.54	Both	25'	22'	550		N	61.11		3.18				4.58	0.93	0.01								
3+91.54 to 4+89±	↑	97.46'	22'	2,144.12	27			238.24	8.27	11.58			17.87	3.61	0.05								
4+89± to 5+28 ±		39'	22'	858	27A			95.33	3.31	4.63			7.15	1.44	0.02		7.94						
5+28± to 6+50		122'	19'	2,318	28A			257.56	8.95	12.52			19.32	2.26	0.03		21.46						
6+50 to 7+25		75	22.9± to 22'	1,683.75	28			187.08	6.50	9.09			14.03	2.78	0.04								
7+25 to 13+54.95	↓	629.95'	22'	13,858.90	27/28			1,539.88	53.49	74.84			115.49	23.33	0.35								
13+54.95 to 17+37.74	Both	—	—	10,775*	5/7			1,197.22	41.58	58.19			89.79	7.09	0.11								
Ramp C turnout to Bellefontaine Street:																							
Transition area	—	25'	20'	800		P		55.56	3.09	6.79			6.67	2.74	0.04	5.40	3.09	66.89	37.00		37.00	1.06	17.73
Area to be resurfaced	—	—	—	2,322.25*				156.44	8.96	12.54			19.35	8.57	0.13	15.98	21.50	269.89	101.59		101.59	4.28	49.85
Ramp D:																							
0+00 to 3+92.48	Both	—	—	9,325*	6/9			1,036.11	35.99	50.36			77.71	7.28	0.11								
3+92.48 to 4+46.83	↑	54.35'	24.3'± to 22'	1,258.20	27			139.80	4.86	6.79			10.49	2.01	0.03								
4+46.83 to 8+24.69		377.86'	22'	8,312.92	27A			923.66	32.08	44.89			69.27	14.00	0.21								
8+24.69 to 8+39.69	↓	—	—	352*	28A			39.11	1.36	1.90			2.93	0.56	0.01								
8+39.69 to 8+64.69	Both	—	—	1,168*		N	129.78		6.76				9.73	1.11	0.02								
I.R.–75/S.R.–67 Interchange:																							
Ramp A:																							
121+47.2± to 1+51.84	Both	215.01'	6'	1,290.06	29									10.62	0.16	24.69	13.94	334.46	143.34		143.34	5.31	74.46
1+54.84 to 1+66.84	↑	15'	27' to 26'	397.50		L	44.17		1.53			0.61	3.31	1.02	0.02	1.72	0.97	23.33	10.00		10.00	0.37	5.19
1+66.84 to 1+81.84		15'	26' to 25'	382.50	29				1.48			0.59	3.19	1.02	0.02	1.72	0.97	23.33	10.00		10.00	0.37	5.19
1+81.84 to 3+89		207.16'	25'	5,179	29				19.99			7.99	43.16	14.06	0.21	23.79	13.43	322.25	138.11		138.11	5.11	71.74
3+89 to 5+52.35		163.35'	22'	3,593.70	32				13.87			5.55	29.95	8.07	0.12	21.36	10.59	254.10	108.90		108.90	4.03	56.57
5+52.35 to 10+48.7±		496.35'	22.5'	11,167.88	32				43.10			17.25	93.07	24.51	0.37	64.89	32.17	772.10	330.90		330.90	12.25	171.88
10+48.7± to 11+66		117.30'	22.5' to 25'	2,785.88	32				10.75			4.30	23.22	5.79	0.09	15.34	7.60	182.47	78.20		78.20	2.90	40.62
11+66 to 12+60		94'	25'	2,350	29				9.07			3.63	19.58	6.38	0.09	12.29	6.09	146.22	62.67		62.67	2.32	32.55
12+60 to 14+00		140'	25'	3,500	29				13.51			5.41	29.17	9.51	0.14	18.30	9.08	217.78	93.33		93.33	3.46	48.48
14+00 to 15+62.37	↓	162.37'	25'	4,059.25	30				15.67	21.92			33.83	16.03	0.24	78.36			451.03	288.66	451.03		16.03
15+62.37 to 17+56.62	Both	——	——	4,475*	16/17				17.27	24.17			37.29	9.62	0.14	86.68			497.22	367.72	497.22		9.62
Ramp B:																							
0+00 to 2+00	Both	——	——	5,575*	6/10				21.51	30.11	34.41		46.46	6.93	0.10	6.45	3.54	63.78	36.44		36.44	1.01	14.85
2+00 to 2+50±	↑	50'	27' to 25'	1,300		K			8.07	0.97			10.83	2.47	0.04	6.54	3.78	77.78	38.89		38.89	1.24	20.04
2+50± to 2+81.25		31.25'	25'	781.25		K			3.02	6.33			6.51	2.12	0.03	4.09	2.03	48.61	20.83		20.83	0.77	11.32
2+81.25 to 6+47±		365.75'	25'	9143.75	29				35.29			14.12	76.20	24.83	0.37	42.00	23.70	568.94	243.83		243.83	9.02	126.66
6+47± to 8+09.4±		162.4'	32' to 22.5'	4,425.40	32				17.08			6.83	36.87	8.02	0.12	18.64	11.28	252.62	108.27		108.27	4.01	56.24
8+09.4± to 13+30.33		520.93'	22.5'	11,720.93	32				45.23			18.10	97.67	25.72	0.39	68.11	33.77	810.33	347.29		347.29	12.86	180.40
13+30.33 to 15+02±		——	——	4,490*	32				17.33			6.93	37.42	8.48	0.13	22.44	11.13	267.04	114.45		114.45	4.24	59.94
15+02± to 16+58.36	↓	——	——	7,050*	31				27.21			10.83	58.75	15.60	0.23	35.90	20.35	486.45	209.33		209.33	7.76	95.94
16+58.36 to 16+73.36	Both	——	——	1,065*		L			4.11			1.65	8.88	2.96	0.04	6.03	3.40	81.66	35.00		35.00	1.48	18.18
SUBTOTALS										558.59	96.91	103.79											
TOTALS CARRIED TO SHEET NO. 68							352	9,488	681		656	104	1,450	340	5	602	273	5,608	3,355	657	3,355	89	1,251

A:AU75CS5 19920214

PAVEMENT AND BERM CALCULATIONS

* AREA BY PLANIMETER

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00

CALC. BY L.H. DATE 05/91
CHKD. BY C.L.T. DATE 05/91

FHWA REGION	STATE	PROJECT	
5	OHIO		

66/231

LOCATION AND STATION	SIDE	LENGTH	WIDTH	SURFACE AREA	TYPICAL SECTION NO.	PVMT. TRANSITION DETAIL NO.	ITEM 202 WEARING COURSE REMOVED	ITEM 254 PAVEMENT PLANING BITUMINOUS	ITEM 446 ASPHALT CONCRETE SURFACE COURSE AC–20 1 1/4"	ITEM 446 ASPHALT CONCRETE INTERMED. COURSE AC–20 1 3/4"	ITEM 446 ASPHALT CONCRETE INTERMED. COURSE AC–20 2"	ITEM 448 ASPHALT CONCRETE INTERMED. COURSE AC–20 1/2"	ITEM 407 TACK COAT	ITEM 617 COMPACTED AGGREGATE	ITEM 617 WATER	ITEM 659 SEEDING AND MULCHING	ITEM 301 BIT. AGGREGATE BASE AC–20	ITEM 310 SUBBASE TYPE 1 GRADING A AS PER PLAN	ITEM 305 9" CONCRETE BASE AS PER PLAN	ITEM 202 PAVEMENT REMOVED	ITEM 203 SUBGRADE COMPACTION	ITEM 203 EMBANKMENT	ITEM 203 EXCAVATION NOT INCLUDING EMBANK. CONSTR–UCTION
				SQ. FT.			SQ. YD.	SQ. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.	GAL.	CU. YD.	M. GAL.	SQ. YD.	CU. YD.	CU. YD.	CU. YD.	SQ. YD.	SQ. YD.	SQ. YD.	CU. YD.	CU. YD.
I.R.–75/S.R.–67 Interchange: (CONT'D.)																							
Ramp C:																							
1+60± to 1+75	Both	15'	22'	330		L	36.67		1.27				2.75	0.28	0.01								
1+75 to 2+50	↑	75'	22' to 25'	1,762.50	29				6.80			2.72	14.69	4.63	0.07	23.33	6.25	6.73	37.50		37.50	0.93	21.09
2+50 to 5+98.23	↑	348.23'	25'	8,705.75	29				33.60			13.45	72.55	21.49	0.32	541.69	22.57	40.53	232.15		232.15	8.60	130.59
5+98.23 to 6+72.31	Both	74.08'	22'	1,629.76	29				6.29			2.52	13.58	3.66	0.06	115.24	4.80	8.62	49.39		49.39	1.83	27.78
6+72.31 to 14+75	Both	802.69'	25'	20,067.25	29				77.45			30.99	167.22	49.54	0.74	1,248.63	52.03	93.42	535.13		535.13	19.82	301.01
14+75 to 14+94.75	↑	19.75'	25' to 25.79'	501.55	29				1.94			0.78	4.18	1.22	0.02	30.72	1.37	2.43	14.03		14.03	0.49	7.89
14+94.75 to 15+26±	↑	31.25'	25.79' to 27'	824.84		I	91.65		5.41				6.87	1.93	0.03	48.61	2.50	4.41	25.68		25.68	0.77	14.44
15+26± to 17+03±	↑	—	—	5,850*		G	650.00		22.58	31.59			48.75	5.62	0.08	117.85	6.55	11.51	67.34		67.34	1.87	37.88
17+03± to 18+49.75	Both	—	—	3,150*	6/9				12.16	17.01			26.25	2.72	0.04								
Ramp C turnout to S.R.–67:																							
Transition area	—	—	—	390*	—	L	43.33		1.51				3.25	0.27	0.01								
Area to be resurfaced	—	—	—	1,600*	—				6.18			2.47	13.33	2.39	0.04								
Ramp D:																							
0+00 to 3+21.99	Both	—	—	8,325*	6/9				32.13	44.96			69.38	5.96	0.09								
3+21.99 to 3+53.24	↑	31.25'	27' to 25.96'	827.50		J		91.94	5.43				6.90	2.12	0.03	48.61	2.53	4.46	25.97		25.97	0.77	14.61
3+53.24 to 3+71.99	↑	18.75'	25.96' to 25'	477.75	29				1.84			0.74	3.98	1.16	0.02	29.17	1.31	2.34	13.50		13.50	0.46	7.59
3+71.99 to 7+56.43	↑	384.44'	25'	9,611	29				37.09			14.84	80.09	23.73	0.36	598.02	24.92	44.74	256.29		256.29	9.49	144.17
7+56.43 to 8+35.40	↑	—	—	2,720*					10.50			4.20	22.67	4.94	0.07	91.26	3.80	6.83	39.11		39.11	1.98	22.00
8+35.40 to 8+50.40	Both	—	—	1,517*		L	168.56		5.85				12.64	2.01	0.03	53.92	2.25	4.03	23.11		23.11	0.86	13.00
NORTHBOUND REST AREA:																							
Truck Ramp:																							
10+00 to 14+54.91	Both	—	—	13,800*	6/10			1533.33	53.26	74.52	85.20		115.00	14.04	0.21								
14+54.91 to 15+54.91	Both	100'	27' to 22'	2,450		D	47.66		9.46	13.23			20.42	3.09	0.05								
15+54.91 to 15+67.41	Both	12.5'	22'	275		D	30.56		1.06				2.29	0.77	0.01								
Car Ramp:																							
30+99.50 to 32+12.40	Both	112.5'	22'	2,475		D	76.39		9.55	13.37			20.63	3.47	0.05								
Truck Ramp:																							
35+81.50 to 36+94.00	Both	112.5'	22'	2,475		D	76.39		9.55	13.37			20.63	3.47	0.05								
36+94.00 to 42+64.34	Both	—	—	24,950*	6/15			2772.22	96.29	134.73	154.04		207.92	19.33	0.29								
SOUTHBOUND REST AREA:																							
Truck Ramp:																							
463+00 to 463+96	Both	96'	10'	960	6/12				3.70	5.18			8.00	1.78	0.03								
463+96 to 475+00	↑	1,104'	10' to 33'	23,736*	6/12				91.60	128.17			197.80	20.44	0.31								
0+00 to 3+00	↑	—	—	7,600*	14				29.33	41.04			63.33	5.56	0.08								
3+00 to 5+72.51	↑	—	—	8,250*	14				31.84	44.55			68.75	10.11	0.15								
5+72.51 to 6+34.81	Both	62.5'	22'	1,375		C	76.39	76.39	5.31				11.46	2.32	0.04								
Car Ramp:																							
5+64.09 to 6+26.59	Both	62.5'	22'	1,375		C	76.39	76.39	5.31				11.46	2.32	0.04								
Truck Ramp:																							
19+95.03 to 20+57.53	Both	62.5'	23.9' to 27'	1,590.63		C	88.37	91.05	6.14				13.26	2.32	0.04								
20+57.53 to 24+81.99	Both	—	—	12,225*	6/9			1358.33	47.18	66.02			101.88	7.87	0.12								
SUBTOTALS										628	289												
TOTALS CARRIED TO SHEET NO. 68							1,462	6000	668		867	73	1,432	231	4	2,948	131	231	1,320		1,320	48	742

A:AU75CS6 19920214

PAVEMENT AND BERM CALCULATIONS

* AREA BY PLANIMETER

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00

CALC. BY L.H. DATE 05/91
CHKD. BY C.L.T. DATE 05/91
FHWA REGION 5 | STATE OHIO | PROJECT

LOCATION AND STATION	SIDE	LENGTH	WIDTH	SURFACE AREA	TYPICAL SECTION NO.	PVM'T. TRANSITION DETAIL NO.	ITEM 202 WEARING COURSE REMOVED	ITEM254 PAVEMENT PLANING BITUMINOUS	ITEM 446 ASPHALT CONCRETE SURFACE COURSE AC–20 1 1/4"	ITEM 446 ASPHALT CONCRETE INTERMED. COURSE AC–20 1 3/4"	ITEM 448 ASPHALT CONCRETE INTERMED. COURSE AC–20 1/2"	ITEM 407 TACK COAT	ITEM 617 COMPACTED AGGREGATE	ITEM 617 WATER	ITEM 659 SEEDING AND MULCHING	ITEM 301 BIT. AGGREGATE BASE AC–20	ITEM 304 AGGREGATE BASE AS PER PLAN	ITEM 310 SUBBASE TYPE 1 GRADING A AS PER PLAN	ITEM 305 9" CONCRETE BASE AS PER PLAN	ITEM 203 SUBGRADE COMP–ACTION	ITEM 203 EMBANKMENT	ITEM 203 EXCAVATION NOT INCLUDING EMBANK. CONSTR–UCTION
				SQ. FT.			SQ. YD.	SQ. YD.	CU. YD.	CU. YD.	CU. YD.	GAL.	CU. YD.	M. GAL.	SQ. YD.	CU. YD.**	CU. YD.	CU. YD.	SQ. YD.	SQ. YD.	CU. YD.	CU. YD.
HENGSTLER ROAD																						
7+50 to 8+00	Both	50'	13.4' to 20'	835	40				3.22	4.51		6.96					18.33	17.31		92.78		
8+00 to 13+51.46	↕	551.46'	20'	11,029.20	↕				42.57	59.56		91.91					245.76	224.67		1,225.47		
16+48.54 to 22+75	↕	626.46'	20'	12,529.20	↕				48.35	67.66		104.41					278.65	255.22		1,392.13		
22+75 to 23+25	Both	50'	20' to 17.4'	935	40				3.61	5.05		7.79					19.57	19.17		103.89		
Proposed I.R.–75 Median Crossover:																						
524+00	Med.	—	—	2,857*					11.03	15.43		23.81				27.64	60.01	64.75		317.44		
National Road:																						
4+29.07 to 4+44.07	Both	—	—	1,725*		L	191.67		6.66			14.38										
4+44.07 to 4+78.41	↕	—	—	1,900*	33				7.33		2.93	15.83										
4+78.41 to 7+54.10	↕	275.69'	52'	14,335.88	↕				55.33		22.14	119.47										
7+54.10 to 7+70.35	↕	—	—	1,005*	↕				3.88		1.55	8.38				0.74		2.96	17.78	17.78		9.75
7+70.35 to 8+38.38	Both	68.03'	52'	3,537.56	33				13.65		5.46	29.48										
8+38.38 to 8+95.33	Both	56.95'	53'	3,018.35	34				11.65		4.66	25.12				0.53						
8+95.33 to 10+15.33	↕	120'	53' to 47'	6,000	34				23.16		9.27	50.00				1.11						
10+15.33 to 10+24.30	↕	8.97'	47'	421.59	34				1.63		0.65	3.51				0.08						
10+24.30 to 10+36.80	Both	12.5'	47'	587.50		0	65.28		2.27			4.90				0.12						
12+63.40 to 12+75.90	Both	12.5'	47.8' to 48.3'	600.63	35	0	66.74		2.32			5.00	0.85	0.01		0.18		0.71	4.24	4.24	0.31	2.32
12+75.90 to 13+48.92	↕	73.02'	48.3' to 51'	3,625.44	↕				13.99		5.60	30.21	4.96	0.07		1.57		6.29	37.73	37.73	1.80	20.69
13+48.92 to 14+73.15	↕	124.23'	30'	3,726.90	↕				14.38		5.76	31.06	2.30	0.04								
14+73.15 to 15+39.4±	Both	66.3'±	30' to 32.2'	2,061.93	35				7.96		3.19	17.18	1.23	0.02								
15+39.4± to 16+53.15	Both	113.8'	35.2' to 39'	4,221.98	35				16.29		6.52	35.18	4.22	0.06								
16+53.15 to 16+70.15	↕	17'	39'	663	↕				2.56		1.02	5.53	0.32	0.01								
16+70.15 to 17+53.15	↕	83'	36' to 37.8'	3,062.70	↕				11.82		4.73	25.52	1.53	0.02								
17+53.15 to 17+61.15	↕	8'	37.8' to 37.6'	301.60	↕				1.16		0.47	2.51	0.15	0.01								
17+61.15 to 18+01.15	↕	40'	43.6' to 37.4'	1,620	↕				6.25		2.50	13.50	2.72	0.04		0.93		3.70	22.22	22.22	0.99	12.19
18+01.15 to 20+03.15	↕	202'	33.7' to 24'	5,827.70	35				22.49		9.00	48.56	7.48	0.11								
20+03.15 to 20+18.15	Both	15'	24'	360		L	40.00		1.39			3.00	0.56	0.01								
I.R.–75/National Road Interchange:																						
Ramp A:																						
0+00 to 2+87.49	Both	—	—	7,750*	6/9				29.90	41.85		64.58	8.63	0.13	166.43	9.24		16.85	95.10	95.10	2.64	52.15
2+87.49 to 3+18.74	↕	31.25'	27' to 25.75'	824.22		J		91.58	5.41			6.87	2.12	0.03	48.61	2.49		4.27	25.61	25.61	0.77	14.40
3+18.74 to 3+37.49	↕	18.75'	25.75' to 25'	475.78	36				1.84		0.74	3.97	1.27	0.02	29.17	1.29		2.21	13.28	13.28	0.46	7.47
3+37.49 to 8+81.06	↕	543.57'	25'	13,589.25	36				52.44		20.99	113.24	36.91	0.55	845.55	35.24		60.40	362.38	362.38	13.42	203.48
8+81.06 to 9+27.88	Both	—	—	1,700*					6.56		2.63	14.17	3.52	0.05	59.03	2.46		4.22	25.33	25.33	1.41	14.25
Ramp B:																						
0+28.46 to 0+75.28	Both	—	—	1,700*					6.56		2.63	14.17	3.52	0.05	59.03	2.46		4.22	25.33	25.33	1.41	14.25
0+75.28 to 6+79	↕	603.72'	25'	15,903	36				58.25		23.31	132.53	40.99	0.62	939.12	39.13		67.08	402.48	402.48	14.91	225.99
6+79 to 6+97.75	↕	18.75'	25' to 25.75'	475.78	36				1.84		0.74	3.97	1.27	0.02	29.17	1.29		2.21	13.28	13.28	0.46	7.47
6+97.75 to 7+29	↕	31.25'	25.75' to 27'	824.22		J		91.58	5.41			6.87	2.12	0.03	48.61	2.49		4.27	25.61	25.61	0.77	14.40
7+29 to 11+17.16	Both	—	—	10,375*	6/9				40.04	56.03		86.46	7.19	0.11	93.39	5.19		8.89	53.33	53.33	1.48	29.95
SUBTOTALS										250.00		137.49										
TOTALS CARRIED TO SHEET NO. 68							364	184	544	250		138	1,171		134	3	2,319	135	623	769	1,124	4,256	41	629

A:AU75CS7 19920214

PAVEMENT AND BERM CALCULATIONS

* AREA BY PLANIMETER

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00

CALC. BY L.H. DATE 05/91
CHKD. BY C.L.T. DATE 05/91

FHWA REGION	STATE	PROJECT	
5	OHIO		

68
231

LOCATION AND STATION	SIDE	LENGTH	WIDTH	SURFACE AREA	TYPICAL SECTION NO.	PVM'T. TRANSITION DETAIL NO.	ITEM 202 PAVEMENT REMOVED	ITEM 446 ASPHALT CONCRETE SURFACE COURSE AC–20 1 1/4"	ITEM 446 ASPHALT CONCRETE INTERMED. COURSE AC–20 2"	ITEM 446 ASPHALT CONCRETE INTERMED. COURSE AC–20 1 3/4"	ITEM 448 ASPHALT CONCRETE INTERMED. COURSE AC–20 1/2"	ITEM 407 TACK COAT	ITEM 617 COMPACTED AGGREGATE TYPE A	ITEM 617 WATER	ITEM 659 SEEDING AND MULCHING	ITEM 301 BIT. AGGREGATE BASE AC–20	ITEM 305 10" CONCRETE BASE AS PER PLAN	ITEM 310 SUBBASE TYPE 1 GRADING A AS PER PLAN	ITEM 305 9" CONCRETE BASE AS PER PLAN	ITEM 203 SUBGRADE COM–PACTION	ITEM 203 EMBANKMENT	ITEM 203 EXCAVATION NOT INCLUDING EMBANK. CONSTR.
				SQ. FT.			SQ. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.	GAL.	CU. YD.	M. GAL.	SQ. YD.	CU. YD.	SQ. YD.	CU. YD.	SQ. YD.	SQ. YD.	CU. YD.	CU. YD.
I.R.–75/National Road Interchange: (CON'T.)																						
Ramp C:																						
0+00 to 4+21.91	Both	—	—	9,800*	16/17		713.86	37.82		52.92		81.67	20.83	0.31			1,088.89	165.86		1,088.89		
4+21.91 to 4+71.91	↕	50'	27' to 25'	1,300	37		88.89	5.02		7.02		10.83	4.94	0.07				25.18	144.44	144.44		
4+71.91 to 5+00		28.09'	25'	702.25	37		49.94	2.71		3.79		5.85	2.77	0.04				10.66	78.03	78.03		
5+00 to 7+75±	Both	275'	25'	6,875	36			26.53			10.62	57.29	18.67	0.28	427.78	17.83		35.95	183.33	183.33	6.79	99.61
7+75± to 9+07±	Both	132'	32' to 22'	3,564	36			13.75			5.50	29.70	6.52	0.10	205.33	15.69		29.48	161.33	161.33	3.26	73.80
9+07± to 9+62.75	↕	55.75'	22'	1,226.50	36/39			4.73			1.89	10.22	2.75	0.04	86.72	3.61		7.29	37.17	37.17	1.38	20.19
9+62.75 to 11+26.17		—	—	5,067*	39			19.56			7.83	42.23	8.07	0.12	254.21	10.59		21.37	108.95	108.95	4.04	59.19
11+26.17 to 13+19.3±	↕	193.13'	25'	4,828.25	36			18.63			7.46	40.24	11.92	0.17	300.42	12.52		25.25	128.75	128.75	4.77	69.96
13+19.3± to 15+15.08	Both	—	—	4,675*				18.04			7.22	38.96	9.67	0.15	304.55	12.69		25.60	130.52	130.52	4.84	70.92
Ramp D:																						
0+12 to 0+64	Both	—	—	2,950*				11.39			4.56	24.58	3.87	0.06	122.17	5.09		10.27	52.36	52.36	1.94	28.44
0+64 to 1+83	↕	—	—	5,086*	38			19.63			7.86	42.38	5.88	0.09	185.11	7.71		15.56	79.33	79.33	2.94	43.10
1+83 to 4+21.33		238.33'	22'	5,243.26	39			20.24			8.10	43.69	11.77	0.18	370.74	15.45		31.17	158.89	158.89	5.88	86.31
4+21.33 to 5+30.98		109.65'	22' to 25'	2,576.6	36			9.94			3.98	21.47	5.42	0.08	170.57	7.10		14.34	73.10	73.10	2.71	39.71
5+30.98 to 6+20±	Both	89.02'	25'	2,225.50	36			8.59			3.44	18.55	4.39	0.07	139.48	5.77		11.64	146.20	146.20	2.20	47.49
6+20± to 7+20	Both	100'	25'	2,500	36			9.65			3.86	20.83	4.94	0.07	155.56	6.48		13.08	66.67	66.67	2.47	36.23
7+20 to 8+93.75	↕	173.75'	25'	4,343.75	36			16.76			6.71	36.20	11.80	0.17	270.28	11.27		22.72	115.83	115.83	4.29	62.94
8+93.75 to 9+25		31.25'	25'	781.25		K		4.52			1.21	6.51	2.12	0.03	48.61	2.03		4.08	20.83	20.83	0.77	11.32
9+25 to 9+75	↕	50'	25' to 27'	1,300		K		6.51		7.59	2.01	10.83	3.39	0.05	77.78	3.78		7.20	38.89	38.89	1.24	20.71
9+75 to 11+90.15	Both	—	—	5,725*	6/10			22.09	35.35	30.92		47.71	7.86	0.11	102.66	5.70		10.39	58.66	58.66	1.63	30.76
Existing I.R.–75 Median Crossovers:																						
377+00	Med.	—	—	2,857*				11.03	17.64	15.43		23.81	12.63	0.19								
454+00	Med.	—	—	2,857*				11.03	17.64	15.43		23.81	12.63	0.19								
654+00	Med.	—	—	2,857*				11.03	17.64	15.43		23.81	12.63	0.19								
Subtotals									89	149												
Quantities carried to table below							853	310	238		83	662	186	3	3,222	144	1,089	488	1,784	2,873	52	801

QUANTITIES FROM PREVIOUS PAVEMENT AND BERM CALCULATION SHEETS	ITEM 202 PAVEMENT REMOVED	ITEM 202 WEARING COURSE REMOVED	ITEM 203 SUBGRADE COM–PACTION	ITEM 203 EMBANKMENT	ITEM 203 EXCAVATION NOT INCLUDING EMBANK. CONSTR.	ITEM 254 PAVEMENT PLANING BITUMINOUS	ITEM 301 BIT. AGGREGATE BASE AC–20	ITEM 304 AGGREGATE BASE AS PER PLAN	ITEM 305 9" CONCRETE BASE AS PER PLAN	ITEM 305 10" CONCRETE BASE AS PER PLAN	ITEM 310 SUBBASE TYPE 1 GRADING A AS PER PLAN	ITEM 446 ASPHALT CONCRETE SURFACE COURSE TYPE 1 AC–20	ITEM 446 ASPHALT CONCRETE INTERMED. COURSE TYPE 2 AC–20	ITEM 448 ASPHALT CONCRETE INTERMED. COURSE TYPE 2 AC–20	ITEM 407 TACK COAT	ITEM 617 COMPACTED AGGREGATE TYPE A	ITEM 617 WATER	ITEM 659 SEEDING AND MULCHING
	SQ. YD.	SQ. YD.	SQ. YD.	CU. YD.	CU. YD.	SQ.YD.	CU. YD.	CU. YD.	SQ. YD.	SQ. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.	GAL.	CU. YD.	M. GAL.	SQ. YD.
Quantities from sheet no. 61		11,839				92,869						3,759	6,755		7,853	1,075	17	
Quantities from sheet no. 62	3,963	9,022	5,751		122	192,962				5,751	893	7,268	15,285		15,580	2,421	37	
Quantities from sheet no. 63	4,102	4,554	6,215		120	40,884	21	6		6,135	958	1,797	3,296		3,836	599	9	
Quantities from sheet no. 64	489	789	1,917		435	24,030	96		732	1,009	338	894	1,176		1,868	211	4	
Quantities from sheet no. 65	657	352	3,355	89	1,251	9,488	273		3,355		602	681	656	104	1,450	340	5	5,608
Quantities from sheet no. 66		1,462	1,320	48	541	6,000	131		1,320		231	668	867	73	1,432	231	4	2,948
Quantities from sheet no. 67		364	4,256	41	629	184	135	623	1,124		955	544	250	138	1,171	134	3	2,319
Quantities from sheet no. 68	853		2,873	52	801		144		1,784	1,089	488	310	238	83	662	186	3	3,222
QUANTITIES CARRIED TO GENERAL SUMMARY	10,064	28,382	25,687	230	3,899	366,417	800	629	8,315	13,984	4,465	15,921	28,523	398	33,852	5,197	82	14,097

ESTIMATED QUANTITIES

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

CALC. BY L.H. DATE 05/91
CHKD. BY C.L.T. DATE 05/91

FHWA REGION	STATE	PROJECT	
5	OHIO		

69
231

SHEET NO.	REF. NO.	LOCATION AND STATION	SIDE			ITEM 202 GUARD RAIL REMOVED	ITEM 202 GUARD RAIL REMOVED BARRIER DESIGN		ITEM 202 CATCH BASIN ABANDONED	ITEM 203 EXCAVATION NOT INCLUDING EMBANKMENT CONSTRUCTION	ITEM 203 EMBANKMENT						ITEM 301 BITUMINOUS AGGREGATE BASE AC-20	ITEM 304 AGGREGATE BASE AS PER PLAN	ITEM 606 GUARD RAIL TYPE 5	ITEM 606 GUARD RAIL TYPE 5A	ITEM 606 GUARD RAIL BARRIER DESIGN TYPE 5	ITEM 606 ANCHOR ASSEMBLY			ITEM 606 BRIDGE TERMINAL ASSEMBLY			ITEM 605 AGGREGATE DRAIN	ITEM 660 SODDING		ITEM SPECIAL PRESSURE RELIEF JOINT TYPE C
																						TYPE A	TYPE T	BARRIER DESIGN TYPE A	TYPE 1					
						LIN. FT.	LIN. FT.		EACH	CU. YD.	CU. YD.						CU. YD.	CU. YD.	LIN. FT.		LIN. FT.	EACH			EACH			LIN. FT.	SQ. YD.		LIN. FT.
		I.R.-75:																												
87	1D	296+00	Med.								2																		3		
88	1D	305+00	Med.						1		1																		4		
	1R	2+00(C) to 15+00(C)	Rt.			600																									
	2R	2+40(F) to 4+02.5(F)	Rt.			162.50																									
	3R	303+68± to 306+31±	Med.			475	50																								
	4R	12+75(D) to 314+25±	Rt.			200																									
	5R	312+80± to 314+30±	Rt.			100	50																								
	1G	21+00(C) to 15+00(C)	Rt.																550			2								
	2G	2+40(F) to 4+02.5(F)	Rt.																87.5	25		2								
	3G	303+68.75 to 306+31.25	Med.																375	50				2						
	4G	12+68.9(D) to 314+24.43	Rt.																181.25			1			1					
	5G	312+74.66 to 314+29.57	Med.																118.75		25			1	1					
	1PJ	313+35	Rt.							1							0.56	0.30										28	5		37
88	4PJ	313+45	Lt.							1							0.65	0.30										28	5		25
89	1PJ	317+90	Rt.							1							0.56	0.30										28	5		37
	2PJ	318+00	Lt.							1							0.65	0.30										28	5		25
	3PJ	321+18	Rt.							1							0.56	0.30										28	5		37
	4PJ	321+46	Lt.							1							0.65	0.30										28	5		39
	5PJ	324+73	Rt.							1							0.56	0.30										28	5		37
	6PG	325+03	Lt.							1							0.65	0.30										28	5		37
	1R	316+93 to 322+15	Rt.			522																									
	2R	317+03 to 322+03	Lt.			400	100																								
	3R	317+08 to 318+33	Lt.			125																									
	4R	11+32(A) to 322+65	Lt.			800																									
	5R	318+15 to 322+33	Rt.			418.75																									
	6R	323+85 to 325+35	Lt.			100	50																								
	1D	329+00	Med.								1																		3		
	1G	316+93.27 to 322+14.61	Rt.																496.34	25	25				2					
	2G	317+03.17 to 318+70.34	Lt.																118.75		25			1	1					
	3G	317+08.21 to 318+39.11	Lt.																106.25			1			1					
	4G	11+25.7(A) to 322+65.84	Lt.																793.75				1		1					
	5G	319+64.84 to 322+32.99	Rt.																362.50	100				1	1					
89	6G	323+87.92 to 325+42.83	Lt.																118.75		25			1	1					
		TOTALS CARRIED TO GENERAL SUMMARY				3903.25	250		1	8	4						5	3	3,308.84	200	100	6	1	6	9			224	50		274

A:AU75EQ01 19920212

ESTIMATED QUANTITIES

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00

CALC. BY L.H. DATE 05/91	FHWA REGION	STATE	PROJECT	
CHKD. BY C.L.T. DATE 05/91	5	OHIO		

70
231

* Non perforated ASTM 3034, SDR 35 or SS 931

SHEET NO.	REF. NO.	LOCATION AND STATION	SIDE	ITEM 202 PORTIONS OF STRUCTURES REMOVED	ITEM 202 PIPE REMOVED OVER 24"	ITEM 202 PIPE REMOVED 24" AND UNDER	ITEM 202 GUARD RAIL REMOVED	ITEM 202 GUARD RAIL REMOVED BARRIER DESIGN	ITEM 202 CATCH BASIN REMOVED			ITEM 203 EMBANKMENT	ITEM 602 CONCRETE MASONRY	ITEM 603 CONDUIT 6" TYPE F 707.17 *	ITEM 603 CONDUIT 21" TYPE A	ITEM 603 CONDUIT 15" TYPE C	ITEM 603 CONDUIT 18" TYPE C	ITEM 603 CONDUIT 36" TYPE A	ITEM 603 CONDUIT 12" TYPE C	ITEM 603 CONDUIT 24" TYPE C	ITEM 604 CATCH BASIN NO. 2-3	ITEM 604 CATCH BASIN NO. 4 WITHOUT APRON	ITEM 606 GUARD RAIL TYPE 5	ITEM 606 GUARD RAIL TYPE 5A	ITEM 604 EX. CATCH BASIN RECONSTRUCTED TO GRADE, AS PER PLAN	ITEM 606 ANCHOR ASSEMBLY TYPE A	ITEM 606 ANCHOR ASSEMBLY TYPE T	ITEM 606 ANCHOR ASSEMBLY BARRIER DESIGN TYPE A	ITEM 606 BRIDGE TERMINAL ASSEMBLY TYPE 1			ITEM 660 SODDING		ITEM 622 CONCRETE BARRIER TYPE D	
				LUMP	LIN. FT.		LIN. FT.	LIN. FT.	EACH			CU. YD.	CU. YD.	LIN. FT.								EACH		LIN. FT.	LIN. FT.	EACH	EACH				EACH			SQ. YD.		LIN. FT.	
		I.R.–75:																																		
90	1D	341+00	Med.													100						1												8			
90	2D	5+00(D)	Lt.	Lump		6							0.37		6																					
90	3D	340+00	Med.			6										6									1											
90 & 192	1G	335+47.25 to 340+91.00	Med.																				987.50					2								
	2G	338+40.87 to 340+21.63	Lt.																				106.25							1				51.92	
	3G	336+16.61 to 337+97.36	Rt.																				106.25							1				51.92	
	1R	336+75 to 339+62.5	Med.				475	50																												
90 & 192	2R	337+91 to 340+28.5	Lt.				237.5																													
	3R	336+35.5 to 338+48	Rt.				212.5																													
91	1G	346+65 to 354+46	Lt.																				718.75	25		1	1								
	2G	350+00 to 352+75	Rt.																				225			2									
	3G	350+70.25 to 353+32.85	Med.																				375	50				2							
	1R	346+65 to 354+46	Lt.				781.25																													
	2R	350+00 to 352+75	Rt.				275																													
91	3R	350+70.25 to 353+32.85	Med.				425	50																												
92 & 193	1D	372+00	Rt.																															9		
	1G	368+71.96 to 374+03.21	Med.																				962.50					2							
	2G	371+23.27 to 372+94.33	Lt.																				106.25				1			1				42.25	
	3G	369+80.83 to 371+51.89	Rt.																				106.25				1			1				42.25	
	1R	369+98 to 372+85.5	Med.				475	50																												
92 & 193	2R	370+73 to 372+85.5	Lt.				212.5																													
	3R	369+90.5 to 372+03	Rt.				212.5																													
93	1D	380+68	Med.		12	10			1			6			10				12			1											10			
	2D	380+80	Lt.			12						3								12													8			
	3D	381+52	Rt.									3																					8			
93	4D	386+00	Lt.	Lump		6							0.25			6																				
94	1D	399+00	Lt.	Lump		6							0.25			6																				
94	2D	390+95	Rt.			12			1								6			6	1															
95	1D	410+00	Med.																															10		
		TOTALS CARRIED TO GENERAL SUMMARY		Lump	12	58	3,306.25	150	2			12	0.9	10	6	118	6	12	12	6	1	2	3693.75	75	1	7	1	6	4			53		189	

A:AU75EQ02 19920213

ESTIMATED QUANTITIES

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00

CALC. BY L.H. DATE 05/91
CHKD. BY C.L.T. DATE 05/91

FHWA REGION	STATE	PROJECT	
5	OHIO		

71
231

SHEET NO.	REF. NO.	LOCATION AND STATION	SIDE	ITEM 202 PIPE REMOVED 24" AND UNDER (LIN. FT.)	ITEM 202 BRIDGE RAILING REMOVED AS PER PLAN (LIN. FT.)	ITEM 202 GUARD RAIL REMOVED (LIN. FT.)	ITEM 202 GUARD RAIL REMOVED BARRIER DESIGN (LIN. FT.)	ITEM 202 CATCH BASIN REMOVED (EACH)	ITEM 202 CONCRETE BARRIER REMOVED (LIN. FT.)	ITEM 203 EXCAVATION NOT INCLUDING EMBANKMENT CONSTRUCTION (CU. YD.)		ITEM 517 DEEP BEAM GUARD RAIL W/ TUBULAR BACKUP AND TYPE 2 POSTS AS PER PLAN (LIN. FT.)	ITEM 603 CONDUIT 15" TYPE C (LIN. FT.)			ITEM 604 EX. CATCH BASIN RECONSTRUCTED TO GRADE, AS PER PLAN (EACH)	ITEM 604 CATCH BASIN NO. 4 WITHOUT APRON (EACH)	ITEM 301 BITUMINOUS AGGREGATE BASE AC-20 (CU. YD.)	ITEM 304 AGGREGATE BASE AS PER PLAN (CU. YD.)	ITEM 606 GUARD RAIL TYPE 5 (LIN. FT.)		ITEM 606 GUARD RAIL BARRIER DESIGN TYPE 5 (LIN. FT.)	ITEM 606 ANCHOR ASSEMBLY TYPE A (EACH)	ITEM 606 ANCHOR ASSEMBLY TYPE T (EACH)	ITEM 606 ANCHOR ASSEMBLY TYPE A BARRIER DESIGN (EACH)	ITEM 606 BRIDGE TERMINAL ASSEMBLY TYPE 1 (EACH)	ITEM 606 BRIDGE TERMINAL ASSEMBLY TYPE 4 (EACH)	ITEM 605 AGGREGATE DRAIN (LIN. FT.)	ITEM 660 SODDING (SQ. YD.)	ITEM 622 CONCRETE BARRIER TYPE D (LIN. FT.)	ITEM SPECIAL PRESSURE RELIEF JOINT TYPE C (LIN. FT.)
		I.R.–75:																														
96&	1D	427+60 TO 430+00	Med.	125				1					246			1	1													10		
194	2D	434+50	Med.	6				1					6				1													10		
	3G	429+59.29 to 432+23.07	Rt.																	131.25			1			1				110.95	
	4G	429+29.27 to 431+93.04	Lt.																	131.25			1			1				110.95	
	7G	427+69.28 to 433+69.28	Med.																	1100.00					2						
	3R	429+89.84 to 432+63.46	Rt.						280																						
	4R	428+72 to 431+47	Lt.			275																									
96&																															
194	7R	428+92 to 432+42	Med.			600	50																								
97&	1D	439+00	Med.	6				1					6			1													8		
195																															
	1G	446+77.27 to 452+62.79	Rt.									181.25								368.75			1	1		2					
	2G	446+52.62 to 450+01.29	Med.									181.25								81.25		62.5			1	1					
	3G	448+12 to 451+60.67	Med.									181.25								81.25		62.5			1	1					
	4G	447+37.71 to 451+48.89	Lt.									181.25								193.75			1	1		2					
	1R	446+77.27 to 452+62.79	Rt.		181.25	406.25																									
	2R	446+52.62 to 450+57.54	Med.		181.25	175	50																								
	3R	447+62.01 to 451+60.67	Med.		181.25	168.75	50																								
	4R	447+37.71 to 451+48.89	Lt.		181.27	231.25																									
97&	1PJ	447+10	Lt.							1								0.65	0.30										28	5	25
195	2PJ	447+30	Rt.							1								0.56	0.30										28	5	25
98	1D	450+50	Med.																											8	
	3PJ	450+84	Lt.							1								0.65	0.30										28	5	25
98	4PJ	451+04	Rt.							1								0.56	0.30										28	5	25
		TOTALS CARRIED TO GENERAL SUMMARY		137	725	1,856.25	150	3	280	4		725	258			1	3	3	2	2087.50		125	4	2	4	2	6		112	56	222	100

A:AU75EQ03 19920212

ESTIMATED QUANTITIES

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00

CALC. BY L.H. DATE 05/91	FHWA REGION	STATE	PROJECT	
CHKD. BY C.L.T. DATE 05/91	5	OHIO		

72/231

SHEET NO.	REF. NO.	LOCATION AND STATION	SIDE	ITEM 202 PIPE REMOVED OVER 24" LIN. FT.	ITEM 202 PIPE REMOVED 24" AND UNDER LIN. FT.	ITEM 202 GUARD RAIL REMOVED LIN. FT.	ITEM 202 GUARD RAIL REMOVED BARRIER DESIGN LIN. FT.	ITEM 202 CATCH BASIN REMOVED EACH	ITEM 202 CATCH BASIN ABANDONED EACH	ITEM 603 CONDUIT 15" TYPE C LIN. FT.	18" TYPE C	8" TYPE C	24" TYPE C	12" TYPE C	42" TYPE A	ITEM 604 BASIN CATCH NO. 4 WITHOUT APRON EACH	NO. 2–2B	NO. 2–3	NO. 4 AS PER PLAN	ITEM 601 RIPRAP, USING 6" REINFORCED CONCRETE SLAB SQ. YD.	ITEM 601 ROCK CHANNEL PROTECTION TYPE B W/ FILTER CU. YD.	ITEM 606 GUARD RAIL TYPE 5 LIN. FT.	ITEM 606 ANCHOR ASSEMBLY TYPE A EACH	TYPE A BARRIER DESIGN EACH	ITEM 606 BRIDGE TERMINAL ASSEMBLY TYPE 1 EACH		ITEM 660 SODDING SQ. YD.	ITEM 622 CONCRETE BARRIER TYPE D LIN. FT.
		I.R.–75:																										
98	1R	449+81.46 to 451+44±	Lt.			162.50																						
	2R	449+93.25 to 450+81±	Med.			62.50	25																					
	3R	449+01± to 450+58±	Med.			37.50	25																					
98	4R	450+12.79 to 450+75±	Rt.			62.50																						
99	1D	471+00	Med.																								10	
99	2D	475+05	Lt.						1																			
100	1D	493+45	Rt.						1																			
101	1D	498+24	Both	16	52			3		36		12		4	16		2		1	57.8	50						9	
101	2D	501+00	Med.		6			1		6						1											4	
102 & 196	1G	510+43.57 to 515+74.82	Med.																			962.50		2				
	2G	511+82.98 to 513+57.16	Rt.																			106.25		1		1		45.34
	3G	512+61.22 to 514+35.40	Lt.																			106.25		1		1		45.34
	1D	511+50 to 512+25	Med.																								75	
	1R	511+66 to 514+53.5	Med.			475	50																					
	2R	512+00 to 514+12.5	Rt.			212.50																						
102 & 196	3R	512+09 to 514+21.5	Lt.			212.50																						
104	1D	544+00	Med.																								2	
	2D	553+10	Med.																								12	
	3D	554+34	Rt.		12			1					12						1								224	
	4D	552+75 to 555+00	Rt.								6			6			1											
104	5D	552+89	Rt.		12			1																				
TOTALS CARRIED TO GENERAL SUMMARY				16	82	1,225	100	6	2	42	6	12	12	10	16	1	3	1	1	58	50	1175	2	2	2		336	91

A:AU75EQ04 19920212

ESTIMATED QUANTITIES

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00

CALC. BY L.H. DATE 05/91
CHKD. BY C.L.T. DATE 05/91

FHWA REGION	STATE	PROJECT	
5	OHIO		

73/231

SHEET NO.	REF. NO.	LOCATION AND STATION	SIDE	ITEM 202 PORTIONS OF STRUCTURES REMOVED	ITEM 202 PIPE REMOVED		ITEM 202 GUARD RAIL REMOVED	ITEM 202 GUARD RAIL REMOVED BARRIER DESIGN	ITEM 202 CATCH BASIN REMOVED	ITEM 255 FULL DEPTH PAVEMENT SAWING	ITEM 203 EMBANKMENT	ITEM 603 CONDUIT							ITEM 604				ITEM 602	ITEM 606		ITEM 606 ANCHOR ASSEMBLY			ITEM 606 BRIDGE TERMINAL ASSEMBLY				ITEM 660	ITEM 622	
												8" TYPE C	12" TYPE C	15" TYPE C	21" TYPE A	18" TYPE C	24" TYPE C	24" TYPE A	CATCH BASIN NO. 2-2B	CATCH BASIN NO. 2-3	CATCH BASIN NO. 4 WITHOUT APRON	EX. CATCH BASIN RECONSTRUCTED TO GRADE AS PER PLAN	CONCRETE MASONRY	GUARD RAIL TYPE 5		TYPE A	TYPE T	TYPE A BARRIER DESIGN	TYPE 1	TYPE 2			SODDING	CONCRETE BARRIER TYPE D	
				LUMP	LIN. FT.	24" AND UNDER	LIN. FT.	LIN. FT.	EACH	LIN. FT.	CU. YD.	LIN. FT.							EACH				CU. YD.	LIN. FT.		EACH			EACH				SQ. YD.	LIN. FT.	
		I.R.–75:																																	
105	1D	555+00 to 556+15	Rt.						1		1																						113		
	2D	558+24	Lt.			12							10				12			1													9		
	3D	559+03	Lt.			12			1		1						12			1													9		
105	4D	560+00	Med.																														36		
105	1S	556+68.5 to 559+18.8	Med.							250.3																									
105	2S	558+81.2 to 561+31.5	Med.							250.3																									
106	1D	573+31	Lt.			12							12																				8		
106	2D	580+00	Lt.																														156		
107	1D	588+06	Lt.			12					2		12																				10		
107	2D	599+70 to 600+00	Lt.								3																						18		
108& 197	1D	600+00 to 600+51	Lt.																														34		
	2D	602+75 to 606+00	Rt.	Lump		30			1			4		4	12	4	6		1				0.88										576		
	3D	608+30 to 609+30	Rt.			8			1				4			4			1														99		
	4D	606+00	Rt.	Lump		12												12			1		1.00												
	5D	600+00 to 601+00	Med.											100							1	1													
	6D	604+50	Med.																			1													
	1G	600+21.92 to 605+53.17	Med.																					962.50				2							
	2G	602+39.11 to 604+13.29	Lt.																					106.25		1			1					45.34	
	3G	601+61.79 to 604+41.61	Rt.																					187.50		1	1		1	1				59.34	
	1R	601+46 to 604+33.5	Med.				475	50																											
	2R	601+88 to 604+24	Lt.				237.50																												
108& 197	3R	601+48 to 604+23.5	Rt.				275																												
		TOTALS CARRIED TO GENERAL SUMMARY		Lump		98	987.50	50	4	501	7	4	38	104	12	8	30	12	2	2	2	2	1.9	1256.25		2	1	2	2	1			1,068	105	

A:AU75EQ05 19920213

ESTIMATED QUANTITIES

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00

CALC. BY L.H. DATE 05/91
CHKD. BY C.L.T. DATE 05/91

FHWA REGION	STATE	PROJECT	
5	OHIO		

74/231

SHEET NO.	REF. NO.	LOCATION AND STATION	SIDE	ITEM 202 PORTIONS OF STRUCTURES REMOVED	ITEM 202 PIPE REMOVED 24" AND UNDER	ITEM 202 GUARD RAIL REMOVED	ITEM 202 GUARD RAIL REMOVED BARRIER DESIGN	ITEM 202 CATCH BASIN REMOVED	ITEM 202 CONCRETE BARRIER REMOVED	ITEM 203 EMBANKMENT	ITEM 603 CONDUIT 24" TYPE C	6" TYPE C	8" TYPE C	21" TYPE C	15" TYPE C	24" TYPE A	ITEM 604 CATCH BASIN NO. 2-2B	NO. 4 WITHOUT APRON	ITEM 602 CONCRETE MASONRY	ITEM 606 GUARD RAIL TYPE 5	ITEM 606 ANCHOR ASSEMBLY TYPE A	TYPE A BARRIER DESIGN	ITEM 606 BRIDGE TERMINAL ASSEMBLY TYPE 1			ITEM 660 SODDING	ITEM 622 CONCRETE BARRIER TYPE D
				LUMP	LIN. FT.	LIN. FT.	LIN. FT.	EACH	LIN. FT.	CU. YD.	LIN. FT.						EACH		CU. YD.	LIN. FT.	EACH		EACH			SQ. YD.	LIN. FT.
		I.R.–75:																									
109	1D	628+12	Lt.							2																7	
110	1D	635+02 to 635+20	Med.																							12	
110	2D	645+00	Med.	Lump	24			1			24					24		1	1.00							10	
110	3D	635+00	Lt.	Lump	6										6				0.25								
111	1D	645+04 to 645+55	Lt.																								
111	2D	645+92	Rt.		9			1		2		4	5				1									6 7	
																										10	
112	1D	664+02 to 664+17	Med.																							10	
113	1D	670+02 to 670+17	Med.																							10	
114& 198	1D	692+88 to 693+12	Med.		18			1						18				1								15	
	1G	696+05.80 to 698+25.44	Rt.																	131.25		1		1			67.16
	2G	697+70.23 to 699+66.06	Lt.																	106.25		1		1			67.16
	3G	695+19.71 to 700+75.96	Med.																	1012.50			2				
	1R	696+16 to 698+78.5	Rt.						262.5																		
	2R	697+23 to 699+47	Lt.			225																					
114& 198	3R	696+41 to 699+53.5	Med.			525	50																				
		TOTALS CARRIED TO GENERAL SUMMARY		Lump	57	750	50	3	262.5	4	24	4	5	18	6	24		1	2	1.3		1250.00		2	2	2	141	135

A:AU75EQ06 19920213

ESTIMATED QUANTITIES

* Bellefontaine Street station

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

CALC. BY L.H. DATE 05/91
CHKD. BY C.L.T. DATE 05/91

FHWA REGION	STATE	PROJECT	
5	OHIO		

75/231

SHEET NO.	REF. NO.	LOCATION AND STATION	SIDE	ITEM 202 PORTIONS OF STRUCTURES REMOVED	ITEM 202 PIPE REMOVED 24" AND UNDER	ITEM 202 GUARD RAIL REMOVED		ITEM 202 CATCH BASIN REMOVED	ITEM 202 INLET REMOVED		ITEM 601 ROCK CHANNEL PROTECTION TYPE C W/ FILTER	ITEM 602 CONCRETE MASONRY	ITEM 603 CONDUIT 12" TYPE F	ITEM 603 CONDUIT 15" TYPE C	ITEM 603 CONDUIT 30" TYPE A		ITEM 604 CATCH BASIN NO. 2-3	ITEM 304 AGGREGATE BASE AS PER PLAN	ITEM 404 ASPHALT CONCRETE AC-20 (DRIVEWAYS)	ITEM 408 BITUMINOUS PRIME COAT	ITEM 606 GUARD RAIL TYPE 5	ITEM 606 ANCHOR ASSEMBLY TYPE A	ITEM 606 ANCHOR ASSEMBLY TYPE T		ITEM 606 BRIDGE TERMINAL ASSEMBLY TYPE 1			ITEM 611 REINFORCED CONCRETE APPROACH SLAB (T=13")	ITEM 660 SODDING	ITEM 660 REINFORCED SODDING	
				LUMP	LIN. FT.	LIN. FT.		EACH	EACH		CU. YD.	CU. YD.	LIN. FT.				EACH	CU. YD.	CU. YD.	GAL.	LIN. FT.	EACH			EACH			SQ. YD.	SQ. YD.	SQ. YD.	
		I.R.-75:																													
115	1D	701+60	Med.																												
115	2D	6+50 (C)	Lt.		6				1					6			1													10	
		HENGSTLER ROAD:																													
143	1AS	13+51.46 to 13+71.46	Both															7.78											44.44		
	2AS	16+28.54 to 16+48.54	Both															7.78											44.44		
	1A	9+00	Lt.															11.90													
	2A	10+25	Rt.															16.36													
	3A	17+13.5	Lt.															5.14	1.72	12.36											
	4A	16+82	Rt.															17.50	5.43	41.99											
	1D	8+82 to 9+18	Lt.		32								36																		
	2D	19+85	Both	Lump				1			5	0.56			12		1														
	3D	11+00 to 13+00	Lt.																											200	
	4D	18+00 to 23+00	Rt.																											500	
	5D	22+00 to 23+00	Lt.																											100	
	1G	10+45.91 to 13+77.16	Lt.																		306.25	1			1						
	2G	11+30.42 to 13+61.67	Rt.																		206.25	1			1						
	3G	16+22.80 to 16+65±	Rt.																		43.75		1		1						
	4G	16+87± to 21+59.3	Lt.																		443.75	1	1								
	5G	16+38.39 to 21+19.64	Lt.																		456.25	1			1						
	1R	10+47 to 13+72	Lt.			325																									
	2R	11+44 to 13+56.5	Rt.			212.50																									
	3R	16+31 to 16+65±	Rt.			50																									
	4R	16+80 to 21+56	Rt.			475																									
	5R	16+45 to 21+20	Lt.			475																									
	1RS	13+58.5	Rt.																											23	
	2RS	13+74	Lt.																											17	
	3RS	16+41.5	Lt.																											27	
143	4RS	16+31.1	Rt.																											29	
		I.R.-75/U.S.R.-33 INTERCHANGE																													
134	1G	11+37±(A) to 15+01±(A)	Rt.																		312.50	1	1								
134	1R	11+37±(A) to 15+01±(A)	Rt.			350																									
		I.R.-75/BELLEFONTAINE STREET INTERCHANGE:																													
138	1G	324+07.89 to 7+48.84(C)	Rt.																		1,381.25	1			1						
	2G	323+54.20 to 872+88*	Rt.																		1,312.50		1		1						
	3G	3+71(B) to 8+45(B)	Rt.																		462.5	1	1								
	1R	324+10± to 7+50±(C)	Rt.			1,400																									
	2R	323+50± to 872+88 *	Rt.			1,312.50																									
138	3R	1+45(B) to 8+45(B)	Rt.			700																									
		TOTALS CARRIED TO GENERAL SUMMARY		Lump	38	5,300		1	1		5	0.6	36	6	12		2	67	8	55	4,925	7	5		6			89	810	96	

A:AU75EQ07 19920213

ESTIMATED QUANTITIES

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00

CALC. BY L.H. DATE 05/91
CHKD. BY C.L.T. DATE 05/91

FHWA REGION	STATE	PROJECT	
5	OHIO		

76
231

SHEET NO.	REF. NO.	LOCATION AND STATION	SIDE	ITEM 202 WEARING COURSE REMOVED	ITEM 202 CURB REMOVED	ITEM 202 GUARD RAIL REMOVED	ITEM 202 PAVEMENT REMOVED									ITEM 304 AGGREGATE BASE AS PER PLAN	ITEM 404 ASPHALT CONCRETE AC–20 (DRIVEWAYS)	ITEM 408 BITUMINOUS PRIME COAT		ITEM 606 GUARD RAIL TYPE 5	ITEM 609 CURB TYPE 6	ITEM 606 ANCHOR ASSEMBLY			ITEM 606 BRIDGE TERMINAL ASSEMBLY					ITEM 660 REINFORCED SODDING
																						TYPE A	TYPE T		TYPE 1					
				SQ. YD.	LIN. FT.	LIN. FT.	SQ. YD.									CU. YD.	CU. YD.	GAL.		LIN. FT.	LIN. FT.	EACH			EACH					SQ. YD.
		S.R.–67:																												
139	1RS	117+39.5	Rt.																											59
	2RS	118+24.4	Lt.																											61
	3RS	121+48.4	Rt.																											39
	4RS	122+33.2	Lt.																											43
	1G	115+85.79 to 117+40.72	Rt.																	131.25		1			1					
	2G	116+70.59 to 118+25.52	Lt.																	131.25		1			1					
	5G	121+47.21 to 123+02.14	Rt.																	131.25		1			1					
	6G	122+32.01 to 123+86.96	Lt.																	131.25		1			1					
	1R	115+96 to 117+43	Rt.			150																								
	2R	116+27 to 118+23	Lt.			200																								
	3R	121+49 to 0+90(A)	Rt.			150																								
139	4R	122+28 to 123+75	Lt.			150																								
		NATIONAL ROAD:																												
148	3R	8+38.38 to 10+36.80	Lt.		199																									
	4R	8+38.38 to 10+36.80	Rt.		199																									
	1A	18+55	Rt.													2.31	0.27	5.50												
	2A	18+71	Rt.													7.47	5.96	42.93												
	1RS	10+33.5	Rt.																											45
	2RS	10+33.5	Lt.																											51
	3RS	12+66.6	Rt.																											48
	4RS	12+66.6	Lt.																											50
	1G	8+79.77 to 10+34.7	Lt.																	131.25		1			1					
	2G	8+79.77 to 10+34.7	Rt.																	131.25		1			1					
	3G	12+64.5 to 18+33.25	Rt.																	543.75		1			1					
	4G	12+64.5 to 14+19.43	Lt.																	131.25		1			1					
	1R	8+88 to 10+36	Lt.			150																								
	2R	8+88 to 10+36	Rt.			150																								
	3R	12+64 to 18+31	Rt.			562.50																								
	4R	12+64 to 13+94(C)	Lt.			200																								
	1P	5+50	Both	2.78																										
	1C	7+54.10 to 7+70.35	Lt.		74		0.30														17.69									
148	2C	7+54.10 to 7+70.35	Rt.		74		0.30														17.69									
150	1G	18+62 to 4+73(D)	Rt.																	525		1	2							
150	1R	18+62 to 4+73(D)	Rt.			575																								
		TOTALS CARRIED TO GENERAL SUMMARY		3	546	2,287.50	1									10	7	49		1,987.50	36	9	2		8					396

A:AU75EQ08 19920213

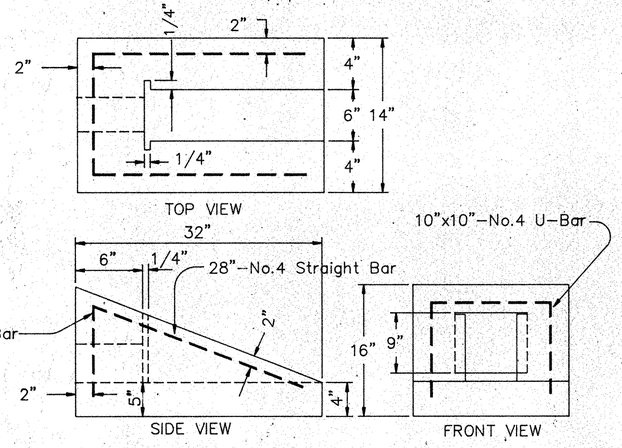
UNDERDRAIN NOTES AND TABLES

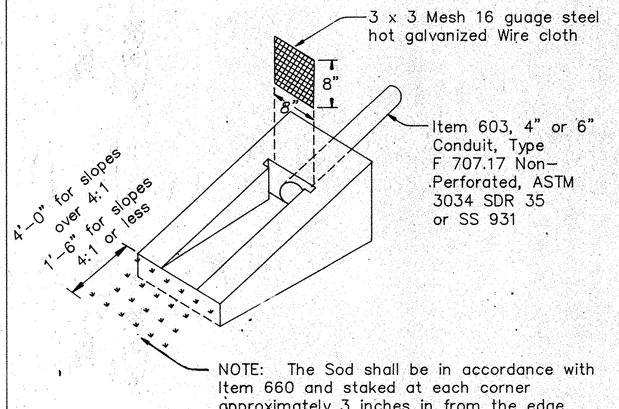
AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

CALC. BY CLT DATE 5-90		OHIO	77 231
CHKD. BY TAK DATE 5-90		FHWA REGION 5	
		FEDERAL PROJECT	

ITEM SPECIAL – PRECAST REINFORCED CONCRETE OUTLET

The Concrete outlet shall meet the requirements of Item 604 in the Construction & Materials Specification. Payment shall be made on an Each basis. Payment shall include the cost of the Sod & Wire Cloth.





NOTE: The Sod shall be in accordance with Item 660 and staked at each corner approximately 3 inches in from the edge.

EXISTING UNDERDRAIN OUTLET REPLACEMENT

THIS ITEM OF WORK SHALL CONSIST OF REPLACING ALL ERODED, CRUSHED OR DETERIORATED UNDERDRAIN OUTLETS AS SHOWN IN THE UNDERDRAIN OUTLET REPLACEMENT TABLE TO THE RIGHT.

THE LOCATIONS, TYPES AND EXISTING PIPE SIZES AS SHOWN IN THE UNDERDRAIN OUTLET REPLACEMENT TABLE ARE TAKEN FROM THE ORIGINAL CONSTRUCTION PLANS AND FIELD OBSERVATIONS.

THIS INFORMATION SHALL BE CONSIDERED TENTATIVE AND THE QUANTITIES PROVIDED MAY REQUIRE ADJUSTMENT BASED UPON ACTUAL FIELD CONDITIONS. THE CONTRACTOR SHALL LOCATE ALL EXISTING UNDERDRAIN OUTLETS WHICH DO NOT OUTLET INTO AN EXISTING CATCH BASIN, INLET OR OTHER DRAINAGE STRUCTURE AND THE EXTENT OF DETERIORATION AND SUBSEQUENT REPLACEMENT SHALL THEN BE DETERMINED BY THE ENGINEER AT EACH RESPECTIVE LOCATION.

FLOWLINE ELEVATIONS OF ALL PROPOSED UNDERDRAIN OUTLET REPLACEMENT PIPES SHALL BE ADJUSTED, IF NECESSARY, BY THE ENGINEER, TO PROVIDE POSITIVE DRAINAGE INTO THE EXISTING DITCH. QUANTITIES FOR EXISTING UNDERDRAIN OUTLET REPLACEMENT SHALL BE DESIGNATED FOR USE "AS DIRECTED BY THE ENGINEER". PAYMENT FOR LOCATING AND REPLACING EXISTING UNDERDRAIN OUTLETS WILL BE MADE AT THE CONTRACT PRICE BID FOR ITEM 603, 8" CONDUIT, TYPE F.

* To be used as directed by the Engineer for replacement of existing damaged underdrains beyond outlet replacement.

EXIST. UNDERDRAIN OUTLET INSTALLATION & REPLACEMENT TABLE

SHEET NO.	REF. NO.	LOCATION	STATION	APPROX. OFFSET DISTANCE FROM ℄ & SIDE		ITEM 603 8" CONDUIT TYPE F	ITEM 605 6" PIPE UNCLASS. U'DRAINS		ITEM SPEC. PRECAST REINFORCED CONCRETE OUTLET
						LIN. FT.	LIN. FT.		EACH
87	1U	SB–I–75	292+95	88' Lt.		10'			1
87	2U	SB–I–75	295+95	90' Lt.		10'			1
87	3U	SB–I–75	296+05	90' Lt.		10'			1
90	1U	SB–I–75	345+00	101' Lt.		10'			1
92	1U	SB–I–75	361+00	69' Lt.		10'			1
94	2U	SB–I–75	398+95	75' Lt.		10'			1
95	1U	SB–I–75	407+30	90' Lt.		10'			1
98	1U	SB–I–75	464+40	85' Lt.		10'			1
99	1U	SB–I–75	477+70	100' Lt.		10'			1
101	1U	SB–I–75	506+00	85' Lt.		10'			1
101	2U	SB–I–75	497+80	110' Lt.		10'			1
104	1U	SB–I–75	552+90	90' Lt.		10'			1
104	2U	SB–I–75	553+30	90' Lt.		10'			1
106	1U	SB–I–75	580+00	80' Lt.		10'			1
107	1U	SB–I–75	587+10±	85' Lt.		10'			1
108	1U	SB–I–75	611+10	80' Lt.		10'			1
108	3U	SB–I–75	604+50	85' Lt.		10'			1
109	1U	SB–I–75	618+10	80' Lt.		10'			1
111	2U	SB–I–75	645+10	85' Lt.		10'			1
113	1U	SB–I–75	683+90	95' Lt.		10'			1
115	7U	SB–I–75	701+70	80' Lt.		10'			1
114	6U	MEDIAN	692+77 to 693+00	23' Lt.		10'			Outlet Into C.B.
114	7U	MEDIAN	692+77 to 693+00	23' Rt.		10'			Outlet Into C.B.
87	4U	NB–I–75	296+00	94' Rt.		10'			1
94	1U	NB–I–75	391+09	80' Rt.		10'			1
100	1U	NB–I–75	489+88	100' Rt.		10'			1
99	2U	NB–I–75	471+10	115' Rt.		10'			1
104	3U	NB–I–75	552+90	90' Rt.		10'			1
104	4U	NB–I–75	553+30	90' Rt.		10'			1
104	6U	NB–I–75	540+90	80' Rt.		10'			1
104	5U	NB–I–75	543+90	75' Rt.		10'			1
106	2U	NB–I–75	576+10	85' Rt.		10'			1
106	3U	NB–I–75	575+90	85' Rt.		10'			1
107	2U	NB–I–75	587+10	85' Rt.		10'			1
108	2U	NB–I–75	611+10	85' Rt.		10'			1
108	4U	NB–I–75	604+50	75' Rt.		10'			1
109	2U	NB–I–75	618+10	80' Rt.		10'			1
109	3U	NB–I–75	627+10	80' Rt.		10'			1
111	1U	NB–I–75	645+10	80' Rt.		10'			1
112	1U	NB–I–75	662+00	60' Rt.		10'			1
112	2U	NB–I–75	663+90	75' Rt.		10'			1
112	3U	NB–I–75	669+90	70' Rt.		10'			1
113	2U	NB–I–75	683+90	85' Rt.		10'			1
114	5U	NB–I–75	692+60 to 692+90	83' Rt.		10'			1
		RAMP F USR–33 AND I–75							
136	1U		9+50	10' Rt.		10'			1
		RAMP D USR–33 AND I–75							
136	2U		6+95	30' Lt.		10'			1
136	3U		0+35	37' Lt.		10'			1
QUANTITIES CARRIED TO GENERAL SUMMARY						470	100*		46

ESTIMATED UNDERDRAIN QUANTITIES

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

FHWA REGION	STATE	PROJECT	
5	OHIO		

78
231

* Nonperforated, ASTM 3034, SDR 35 or S.S. 931

For Existing Underdrain Outlet Replacement Table, See Sheet No. 64

SHEET NO.	REF. NO.	LOCATION AND STATION	SIDE		ITEM 603 6" CONDUIT TYPE F 707.17 *		ITEM 605 6" UNCLASSIFIED UNDERDRAIN	ITEM 605 6" SHALLOW UNDERDRAIN	ITEM SPECIAL PRECAST REINFORCED CONCRETE OUTLET	BENDS AND BRANCHES		ITEM 301 BITUMINOUS AGGREGATE BASE	ITEM 304 AGGREGATE BASE AS PER PLAN
					LIN. FT.		LIN. FT.	LIN. FT.	EACH			CU. YD.	CU. YD.
		I.R.-75 MAINLINE											
91	1U	347+10 TO 352+20	LT.					510				27.55	11.02
		352+20			37				1	6" X 90°		0.49	0.20
91	2U	347+00 TO 351+60	RT.					460				21.53	9.94
		351+60			48				1	6" X 90°		0.35	0.16
92	2U	372+05 TO 378+00	RT.					590				27.62	12.75
		372+05			19				1	6" X 90°		0.44	0.20
93&	3U	386+00 TO 390+90	RT.					490				22.94	10.59
94		390+90			32		OUTLET INTO CATCH	BASIN		6" X 90°		0.44	0.20
94&	4U	391+50 TO 407+50	RT.					1600				74.90	34.56
95		407+50			40				1	6" X 90°		0.44	0.20
95	1U	408+00 TO 411+75	RT.					375				17.55	8.10
		408+00			40				1	6" X 90°		0.44	0.20
	2U	408+10 TO 412+50	LT.					440				23.77	9.51
		408+10			38				1	6" X 90°		0.51	0.20
	3U	411+85 TO 415+50	RT.					365				17.09	7.89
		411+85			34				1	6" X 90°		0.44	0.20
95	5U	412+60 TO 417+00	LT.					440				23.77	9.51
		412+60			30				1	6" X 90°		0.40	0.16
96	1U	427+40 TO 428+99	RT.				60	100					
		428+30			34		OUTLET INTO CATCH	BASIN	1	6" Tee			
	2U	427+40 TO 428+00	LT.					60					
		428+00			28				1	6" X 90°			
	3U	427+60 TO 429+95	MED.	N.B.				210					
		427+60 TO 427+75			36		OUTLET INTO CATCH	BASIN		6" X 45°			
	4U	428+10 TO 434+06	LT.	S.B.				596					
		432+00			30				1	6" Tee			
	5U	427+40 TO 434+06	MED.	S.B.				666					
		434+06 TO 434+50			50		OUTLET INTO CATCH	BASIN		6" X 30°			
	6U	430+05 TO 434+06	MED.	N.B.			401						
		434+06 TO 434+50			50		OUTLET INTO CATCH	BASIN		6" X 30°			
	7U	430+05 TO 434+06	RT.	N.B.				401					
		434+06			36					6" X 90°			
	8U	434+50 TO 438+90	MED.	S.B.				440		6" X 45°		23.77	9.51
		434+50			23		OUTLET INTO CATCH	BASIN				0.19	0.07
96	9U	434+93 TO 438+90	MED.	N.B.				397				20.60	9.51
		434+93 TO 434+50			44		OUTLET INTO CATCH	BASIN		6" X 30°		0.16	0.07
97	1U	439+00 TO 447+00	MED.	S.B.				800				43.21	17.28
		439+00			23		OUTLET INTO CATCH	BASIN		6" X 90°		0.19	0.07
97	2U	439+00 TO 447+00	MED.	N.B.				800				37.45	17.28
		439+00			23		OUTLET INTO CATCH	BASIN		6" X 90°		0.16	0.07

SHEET NO.	REF. NO.	LOCATION AND STATION	SIDE		ITEM 603 6" CONDUIT TYPE F 707.17 *		ITEM 605 6" UNCLASSIFIED UNDERDRAIN	ITEM 605 6" SHALLOW UNDERDRAIN	ITEM SPECIAL PRECAST REINFORCED CONCRETE OUTLET	BENDS AND BRANCHES		ITEM 301 BITUMINOUS AGGREGATE BASE	ITEM 304 AGGREGATE BASE AS PER PLAN
					LIN. FT.		LIN. FT.	LIN. FT.	EACH			CU. YD.	CU. YD.
		I.R.-75 MAINLINE CONTINUED											
98	1U	450+50 TO 456+70	LT.				620					33.49	13.40
		450+50			35				1	6" X 90°		0.51	0.20
	2U	450+50 TO 454+90	MED.	S.B.				440				23.77	9.51
		450+00			23		OUTLET INTO CATCH	BASIN		6" X 90°		0.51	0.20
	3U	450+50 TO 454+90	MED.	N.B.				440				20.60	9.51
		450+50			23		OUTLET INTO CATCH	BASIN		6" X 90°		0.44	0.20
	4U	450+50 TO 456+70	RT.				620					29.02	13.40
		450+50			35				1	6" X 90°		0.44	0.20
	5U	455+00 TO 463+00	MED.	S.B.				800				43.21	17.28
		455+00			23		OUTLET INTO CATCH	BASIN		6" X 90°		0.44	0.20
	6U	455+00 TO 463+00	MED.	N.B.				800				37.45	17.28
		455+00			23		OUTLET INTO CATCH	BASIN		6" X 90°		0.51	0.20
	7U	456+80 TO 463+00	LT.					620				33.49	13.40
		456+80			24				1	6" X 90°		0.51	0.20
98	8U	456+80 TO 462+50	RT.					570				26.68	12.32
		456+80			24				1	6" X 90°		0.44	0.20
101	3U	498+30 TO 500+90	MED.	N.B.				260				12.17	5.62
		498+30			23		OUTLET INTO CATCH	BASIN		6" X 90°		0.51	0.20
101	4U	501+00 TO 505+90	MED.	N.B.				490				22.94	10.59
		501+00			23		OUTLET INTO CATCH	BASIN		6" X 90°		0.51	0.20
105	1U	560+00 TO 566+00	MED.	S.B.				600				32.41	12.96
		560+00			23		OUTLET INTO CATCH	BASIN		6" X 90°		0.44	0.20
105	2U	560+00 TO 566+00	MED.	N.B.				600				28.09	12.96
		560+00			23		OUTLET INTO CATCH	BASIN		6" X 90°		0.51	0.20
107	3U	587+00 TO 593+90	MED.	S.B.				690				36.27	14.90
		587+00			23		OUTLET INTO CATCH	BASIN		6" X 90°		0.44	0.20
107	4U	587+00 TO 593+90	MED.	N.B.				690				32.29	14.90
		587+00			23		OUTLET INTO CATCH	BASIN		6" X 90°		0.51	0.20
107&	5U	595+00 TO 601+00	MED.	N.B.				600				28.09	12.96
108		601+00			23		OUTLET INTO CATCH	BASIN		6" X 90°		0.51	0.20
107	6U	595+00 TO 599+70	RT.					470				22.00	10.16
		599+70			30				1	6" X 90°		0.51	0.20
107&	7U	599+90 TO 600+90	RT.					100				4.68	2.16
108		600+90			30				1	6" X 90°		0.51	0.20
108	6U	601+10 TO 603+90	RT.					280				13.11	6.05
		603+90			30				1	6" X 90°		0.51	0.20
	8U	604+50 TO 605+70	MED.	N.B.				120				5.62	2.59
		604+50			23		OUTLET INTO CATCH	BASIN		6" X 90°		0.51	0.20
	9U	604+50 TO 605+70	MED.	S.B.				120				6.48	2.59
		604+50			23		OUTLET INTO CATCH	BASIN		6" X 90°		0.44	0.20
	10U	606+23 TO 610+90	MED.	S.B.				467				25.23	10.09
		606+23			33		OUTLET INTO CATCH	BASIN		6" X 45°		0.44	0.20
108	11U	606+23 TO 610+90	MED.	N.B.				467				21.86	10.09
		606+23			33		OUTLET INTO CATCH	BASIN		6" X 45°		0.51	0.20
		TOTALS TO GENERAL SUMMARY			1268		1701	19364	18.			936	409

A:AUG75UT1 19920213

ESTIMATED UNDERDRAIN QUANTITIES

ESTIMATED UNDERDRAIN QUANTITIES

* Nonperforated, ASTM 3034, SDR 35 or S.S. 931

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00

FHWA REGION	STATE	PROJECT	
5	OHIO		

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For Existing Underdrain Outlet Replacement Table, See Sheet No. 64

SHEET NO.	REF. NO.	LOCATION AND STATION	SIDE		ITEM 603 6" CONDUIT TYPE F 707.17 * LIN. FT.		ITEM 605 6" UNCLASSIFIED UNDERDRAIN LIN. FT.	ITEM 605 6" SHALLOW UNDERDRAIN LIN. FT.	ITEM SPECIAL PRECAST REINFORCED CONCRETE OUTLET EACH	BENDS AND BRANCHES		ITEM 301 BITUMINOUS AGGREGATE BASE CU. YD.	ITEM 304 AGGREGATE BASE AS PER PLAN CU. YD.
		I.R.–75 MAINLINE CONTINUED											
108& 109	12U	611+23 TO 617+90	MED.					667				36.03	14.41
		611+23			33		OUTLET INTO CATCH	BASIN		6" X 45°		0.54	0.22
108& 109	13U	611+23 TO 617+90	MED.					667				31.22	14.41
		611+23			33		OUTLET INTO CATCH	BASIN		6" X 45°		0.47	0.22
109	4U	618+23 TO 626+90	MED.					867				46.83	18.73
		618+23			33		OUTLET INTO CATCH	BASIN		6" X 45°		0.54	0.22
109	5U	618+23 TO 626+90	MED.					867				40.58	18.73
		618+23			33		OUTLET INTO CATCH	BASIN		6" X 45°		0.47	0.22
110	6U	627+23 TO 634+90	MED.				767					41.43	16.57
		627+23			33		OUTLET INTO CATCH	BASIN		6" X 45°		0.54	0.22
110	7U	627+23 TO 634+90	MED.				767					35.90	16.57
		627+23			33		OUTLET INTO CATCH	BASIN		6" X 45°		0.47	0.22
114	1U	693+25 TO 701+30	LT.					805					
		693+00 TO 693+25			42		OUTLET INTO CATCH	BASIN		6" X 45°			
	2U	693+25 TO 701+35	MED.					810					
		693+00 TO 693+25			36		OUTLET INTO CATCH	BASIN		6" X 45°			
	3U	693+25 TO 701+25	MED.					800					
		693+00 TO 693+25			36		OUTLET INTO CATCH	BASIN		6" X 45°			
	4U	693+43 TO 701+00	RT.					757					
		693+00 TO 963+43			52				1	6" X 45°			
	5U	Do Not Disturb Existing U'drain											
114	6U	Do Not Disturb Existing U'drain											
		I.R.–75 & S.R.–67 INTERCHANGE											
		Ramp "A"											
140	1U	0+00(A) TO 4+01(A)	RT.					401					
		4+01(A)			25				1	6" X 90°			
	2U	4+11(A) TO 8+12(A)	RT.					401	1				
		8+12(A)			25					6" X 90°			
	3U	8+22(A) TO 12+20(A)	RT.					398					
		12+20(A)			25				1	6" X 90°			
	4U	12+30(A) TO 14+95(A)	RT.					265					
		14+95(A)			25				1	6" X 90°			
140	5U	15+05(A) TO 16+50(A)	RT.				145						
		15+05(A)			25				1	6" X 90°			
		Ramp "B"											
140	6U	1+69(B) TO 6+00(B)	RT.					431					
		1+69(B)			25				1	6" X 90°			
140	7U	1+60(C) TO 5+70(C)	LT.										
		5+70(C)			39					6" X 90°			
140	8U	5+80(C) TO 12+95(C)	LT.										
		12+95(C)			30					6" X 90°			
140	9U	13+05(C) TO 16+00(C)	LT.										
		16+00(C)			25					6" X 90°			
140	10U	7+56(D) TO 2+60(D)	LT.										
		2+60(D)			25					6" X 90°			
		I.R.–75 & NATIONAL ROAD INTERCHANGE											
		Ramp "A"											
150	1U	1+81(A) TO 4+20(A)	LT.										
		1+81(A)			25					6" X 90°			
150	2U	4+40(A) TO 9+00(A)	LT.										
		4+40(A)			25					6" X 90°			
		Ramp "B"											
150	3U	0+60(B) TO 4+10(B)	LT.										
		4+10(B)			25					6" X 90°			
150	4U	4+30(B) TO 7+88(B)	LT.										
		7+88(B)			25					6" X 90°			
		Ramp "C"											
150	5U	4+00(C) TO 6+40(C)	RT.										
		4+00(C)			30					6" X 90°			
150	6U	6+60(C) TO 9+90(C)	RT.										
		6+60(C)			42					6" X 90°			
150	7U	15+15(C) TO 10+10(C)	RT.										
		10+10			42					6" X 90°			
		Ramp "D"											
150	8U	6+50(D) TO 10+40(D)	RT.										
		10+40(D)			25					6" X 90°			
		TOTALS TO GENERAL SUMMARY			872		1,679	12,924	19			235.02	100.74

MISCELLANEOUS TABLES

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

FHWA REGION	STATE	PROJECT	
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BARRIER REFLECTORS

LOCATION AND STATION	SIDE	ITEM 802 BARRIER REFLECTOR TYPE A WHITE (EACH)	ITEM 802 BARRIER REFLECTOR TYPE A YELLOW (EACH)	ITEM 802 BARRIER REFLECTOR TYPE B WHITE (EACH)	ITEM 802 BARRIER REFLECTOR TYPE B YELLOW (EACH)
I.R.-75:					
303+69 to 306+31	Med.		6		
312+75 to 317+00	Med.		2		3
314+33 to 318+70	Med.		2		3
314+38 to 318+39	Lt.	2		3	
12+68.9(D) to 328+75	Rt.	13		4	
11+25.7(A) to 322+54	Lt.	16			
322+54 to 328+04	Lt.	4		2	
319+65 to 323+75	Med.		3		2
322+45 to 325+43	Med.		2		2
336+17 to 337+97	Rt.	2		1	
337+44 to 338+95	Med.		6		
338+40 to 340+22	Lt.	2		1	
350+00 to 352+75	Rt.	3			
350+70 to 353+33	Med.		6		
346+65 to 354+46	Lt.	8			
369+81 to 371+52	Rt.	2		1	
370+69 to 372+07	Med.		6		
371+23 to 372+94	Lt.	2		1	
429+59 to 432+23	Rt.	2		2	
429+60 to 431+73	Med.		6		
429+29 to 431+93	Lt.	2		2	
446+77 to 452+62	Rt.	6			
446+53 to 450+01	Med.		4		
448+12 to 451+61	Med.		4		
447+38 to 451+49	Lt.	4			
511+83 to 513+57	Rt.	2		1	
512+37 to 513+81	Med.		6		
512+61 to 514+35	Lt.	2		1	
601+62 to 604+42	Rt.	3		1	
602+15 to 603+60	Med.		6		
602+39 to 604+13	Lt.	2		1	
696+06 to 698+25	Rt.	2		1	
697+12 to 698+75	Med.		6		
697+70 to 699+66	Lt.	2		1	
I.R.-75/U.S.R.-33 INTERCHANGE:					
Ramp A:					
11+37(A) to 15+01(A)	Rt.		3		
Ramp C:					
15+00(C) to 21+00(C)	Rt.	6			
Ramps D and E:					
9+00(D) to 0+96(E)	Lt.				20
Ramp F:					
2+40(F) to 4+02.5(F)	Rt.	3			

LOCATION AND STATION	SIDE	ITEM 802 BARRIER REFLECTOR TYPE A WHITE (EACH)	ITEM 802 BARRIER REFLECTOR TYPE A YELLOW (EACH)	ITEM 802 BARRIER REFLECTOR TYPE B WHITE (EACH)	ITEM 802 BARRIER REFLECTOR TYPE B YELLOW (EACH)
I.R.-75/BELLEFONTAINE STREET INTERCHANGE:					
Ramp A:					
1+72(A) to 872+88(B.S.)	Rt.	15			
Ramp B:					
1+45(B) to 8+45(B)	Rt.	13			
Ramp C:					
7+43(C) to 16+53(C)	Rt.	16			
S.R.-67:					
115+86 to 123+02	Rt.	4		4	
116+71 to 123+87	Lt.	4		4	
I.R.-75/S.R.-67 INTERCHANGE:					
Ramps A and B:					
12+60(A) to 16+45(A)	Both				30
HENGSTLER ROAD:					
11+30 to 16+65	Rt.	4		2	
16+87 to 21+59.3	Rt.	5			
10+46 to 21+20	Lt.	8		3	
NATIONAL ROAD:					
8+80 to 18+33	Rt.	8		2	
8+80 to 14+19	Lt.	4		2	
I.R.-75/NATIONAL ROAD INTERCHANGE:					
Ramps C and D:					
18+62(N.R.) to 4+73 (D)	Both	7			
Ramp D:					
0+48(D) to 6+20(D)	Lt.				11
SUBTOTALS		178	68	40	71
TOTALS CARRIED GENERAL SUMMARY		246		111	

EARTHWORK TABLE

SHEET NO.	LOCATION AND STATION	ITEM 203 EXCAVATION NOT INCLUDING EMBANKMENT CONSTRUCTION (CU. YD.)	ITEM 203 EMBANKMENT (CU. YD.)	ITEM 659 SEEDING AND MULCHING (SQ. YD.)	ITEM 659 COMMERCIAL FERTILIZER (TON)
	I.R.-75:			-	
117	317+00 to 322+25	12	444	2,369	0.21
118	335+40 to 341+00	14	271	2609	0.23
119	368+50 to 374+25	80	383	2516	0.23
120	425+00 to 434+75	4163	285	8,679	0.78
123	497+61.5 to 497+94.2	3	6	109	0.01
124	498+00 to 499+00	2	5	137	0.01
125	510+25 to 517+90	0	966	3347	0.31
126	521+68.5 to 526+31.5	246	490	1,646	0.15
127	556+68.5 to 561+31.5	105	57	1,373	0.12
128	599+85 to 606+00	32	644	2880	0.26
129	602+50 to 606+00	86	97	1,168	0.11
132	692+00 to 701+50	4579	909	14,234	1.28
	HENGSTLER ROAD:				
146	7+50 to 23+25	548	4,717	12,588	1.13
	NATIONAL ROAD:				
149	7+40 to 10+50	0	167	384	0.04
	TOTALS CARRIED TO GENERAL SUMMARY	9870	9441	54039	4.87

A:AU75MD2 19920130

FENCE TABLE

FHWA REGION	STATE	PROJECT	
5	OHIO		

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AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

SHEET NO.	REFERENCE NO.	LOCATION AND STATION	POST ASSEMBLIES: END POST ASSEMBLY	POST ASSEMBLIES: INTERMEDIATE ANCHOR POST ASSEMBLY	POST ASSEMBLIES: CORNER POST ASSEMBLY				ITEM 202 FENCE REMOVED	ITEM 607: FENCE, TYPE CLT	ITEM 607	ITEM 625 GROUND ROD	REMARKS
			EACH						LIN. FT.		LIN. FT.	EACH	
		I.R.-75/U.S.R.-33 INTERCHANGE :											
		Sta. 304+00.65 (I.R.-75) to Sta. 172+64.31 (U.S.R.-33)	1	1					902	902			
		Sta. 172+64.31 (U.S.R.-33) to Sta.173+00.00 (U.S.R.-33)							252				
		Sta. 173+00.00 (U.S.R.-33) to Sta. 178+99.64 (U.S.R.-33)							618				
		Sta. 178+99.64 (U.S.R.-33) to Sta. 180+38.19 (U.S.R.-33)							190				
		Sta. 172+64.31 (U.S.R.-33) to Sta. 173+80.00 (U.S.R.-33)		1						168			
		Sta. 173+80.00 (U.S.R.-33) to Sta. 176+29.54 (U.S.R.-33)			1					262		2	
		Sta. 176+29.54 (U.S.R.-33) to Sta. 179+20.45 (U.S.R.-33)		1						324			
		Sta. 179+20.45 (U.S.R.-33) to Sta. 180+26.05 (U.S.R.-33)	1		1					174			
		TOTALS CARRIED TO GENERAL SUMMARY							1,962	1,830		2	

NOTES: Actual ground rod locations shall be subject to the Engineers approval.

For fence grounding details see Std. Dwg. HL-50.11

FEDERAL REGION	STATE	PROJECT NO.	FUNDS
5	OHIO		

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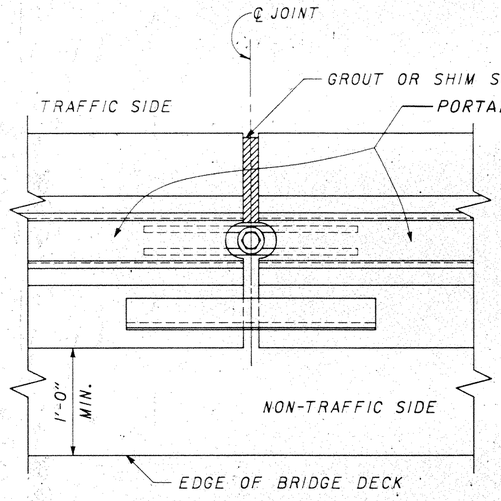
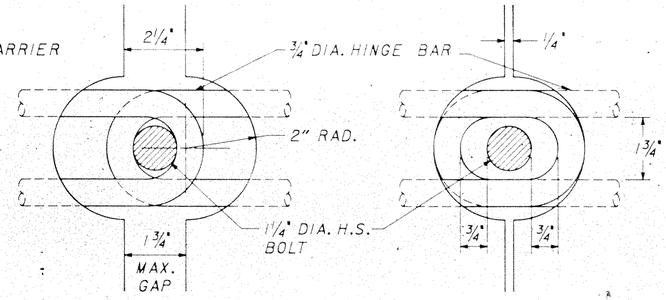
AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

MODIFIED (EXISTING) BARRIER DETAILS

FOR USE WITH
ITEM 622 PORTABLE CONCRETE BARRIER, 32", AS PER PLAN AND
ITEM 622 PORTABLE CONCRETE BARRIER, BRIDGE MOUNTED, 32"



PLAN AT JOINT

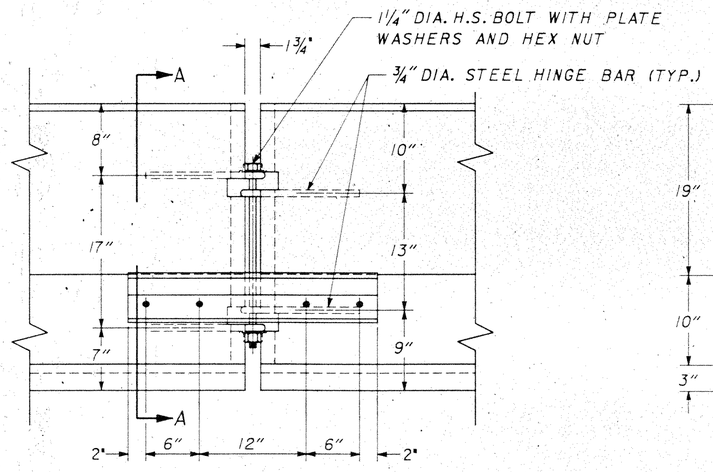


① OPEN JOINT ② CLOSED JOINT

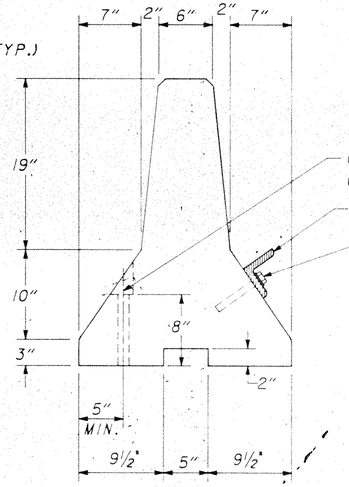
JOINT CONNECTION DETAILS

① BARRIER JOINTS SHALL BE FULLY OPEN BEFORE NUT IS TIGHTED ONTO BOLT AND OPENING IS EITHER GROUTED OR SHIMMED.

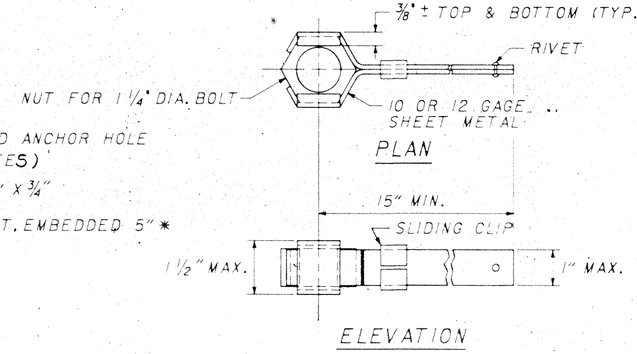
② BARRIERS SHALL INITIALLY BE PLACED CLOSER TOGETHER SO THAT BOLTS CAN BE EASILY INSERTED THROUGH HINGE BAR LOOPS.



ELEVATION AT JOINT



SECTION "A-A"



NUT RETAINER DETAIL

* EXPANSION BOLT PER CMS 712.01 OR BOLT EMBEDDED WITH NON-SHRINK EPOXY MORTAR PER SS 853/956 OR PER SS 852/952 RESIN ANCHORS.

NOTE:

IN ORDER TO ANCHOR THE MODIFIED (EXISTING) BARRIER TO THE BRIDGE DECK WHERE ANCHORING IS REQUIRED, 1-¼" MIN. DIA. HOLES SHALL BE DRILLED THROUGH THE BARRIER TOE AT THE LOCATION SHOWN IN SECTION "A - A". GREAT CARE SHALL BE USED IN DRILLING AND INSTALLING THE BARRIER SEGMENTS, AS ANY DAMAGE TO THEM WILL BE CONSIDERED CAUSE FOR THIER REJECTION.

ALL ANCHORS SHALL BE 1" DIA., HIGH STRENGTH, THRU BOLTS OR APPROVED RESIN ANCHORS. WHEN RESIN ANCHORS ARE USED, THEY SHALL BE EMBEDDED A MINIMUM OF 6" INTO FIRM CONCRETE. THE NUMBER OF ANCHORS SHALL BE AS SPECIFIED IN THE PLANS.

USE OF THE EXISTNG OHIO BARRIER:
WHEN USING THE EXISTING OHIO BARRIER (STANDARD CONSTRUCTION DRAWING MC-9A) (1-11-85), ONLY THE CONNECTING PIN TYPE OF BARRIER SHALL BE USED FOR THE PUPPOSE OF MAINTAINING TRAFFIC ON THIS PROJECT. THE MODIFICATIONS TO BE MADE TO THE EXISTING BARRIER, PRIOR TO ITS USE ON THIS PROJECT ARE LISTED BELOW AND DETAILED AT LEFT.

A. REPLACE CONNECTION PINS WITH 1-1/4" HIGH STRENGTH BOLTS.
(BOTH TYPES OF BARRIER)

B. FURTHER STIFFEN THE CONNECTION. BETWEEN SECTIONS, BY FASTENING AN ANGLE (4"X4"X¾") TO THE BACK FACE OF THE JOINT
(BRIDGE MOUNTED BARRIER ONLY)

C. LIMIT THE SLACK IN JOINTS BETWEEN SEGMENTS TO A MAXIMUM OF 3 DEGREES BY SHIMMING AND/OR GROUTING THE JOINT.
(BOTH TYPES OF BARRIER)

D. ANCHOR BARRIER TO BRIDGE DECK WHERE REQUIRED. THE LOCATIONS OF BRIDGE MOUNTED BARRIER AND THE NUMBER ON ANCHORS ARE SHOWN IN THE MAINTENANCE OF TRAFFIC DETAILS OF THESE PLANS.

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
BUREAU OF BRIDGES AND STRUCTURAL DESIGN

PORTABLE PRECAST CONCRETE BARRIER
DETAILS AND INSTALLATION GUIDELINES
FOR MODIFIED EXISTING BARRIER

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
AJM	JC		WTF		- -	

C.L.T. 2/92	AUGLAIZE COUNTY	OHIO	83
M.E.F. 2/92	ALLEN COUNTY	FHWA REGION 5	231
	AUG-75-4.54		
	ALL-75-0.00		

GENERAL

THIS ITEM OF WORK SHALL CONSIST OF FURNISHING, INSTALLING, MAINTAINING, AND SUBSEQUENTLY REMOVING TEMPORARY RAISED PAVEMRNT MARKERS (TRPM'S). THE MARKERS SHALL BE YELLOW OR WHITE, AS DESCRIBED IN THE PLAN.

MATERIAL

ALL MARKERS SHALL BE OF SUFFICIENT STRENGTH AND PROPERLY SHAPED SO AS NOT TO BE DISLODGED OR BROKEN, OR THE REFLECTOR DISLODGED OR BROKEN, OR THE REFLECTOR DISLODGED OR DAMAGED BY IMPACTS FROM VEHICLES TIRES, INCLUDING THOSE OF HIGH PRESSURE TRUCK TIRES LOADED TO 4500 POUNDS.

RETROREFLECTORS SHALL BE PROVIDED IN ONE OR TWO DIRECTIONS ON EACH MARKER AS REQUIRED BY THE USAGE AND SHALL RETURN WHITE OR YELLOW LIGHT AS IS APPROPRIATE FOR THE APPLICATION.

THE REFLECTOR SHALL HAVE AN EFFECTIVE AREA OF 0.35 SQUARE INCHES FOR TYPE A OR 3.0 SQUARE INCHES FOR TYPE B. ITS BRIGHTNESS OR SPECIFIC INTENSITY (WHEN TESTED AT 0.2 DEGREE ANGLE OF OBSERVATION AND THE FOLLOWING ANGLES OF INCIDENCE) SHALL MEET OR EXCEED THE FOLLOWING:

SPECIFIC INTENSITY

TYPE A

INCIDENCE ANGLE (DEGREES)	WHITE	YELLOW
0	1.0	0.6
20	0.4	0.24
45	—	—

TYPE B

	WHITE	YELLOW
0	3.0	1.8
20	1.2	0.72
45	0.3	0.2

ANGLE OF INCIDENCE FORMED BY A RAY FROM LIGHT SOURCE TO THE MARKER AND THE NORMAL TO THE LEADING EDGE OF THE MARKER FACE (ALSO HORIZONTAL ENTRANCE ANGLE).

ANGLE OF OBSERVATION FORMED BY A RAY FROM LIGHT SOURCE TO THE MARKER AND THE RETURNED RAY FROM THE MARKER TO THE MEASURING RECEPTOR.

SPECIFIC INTENSITY IS THE MEAN CANDLEPOWER OF THE REFLECTED LIGHT (AT GIVEN INCIDENCE AND DIVERGENCE ANGLES) FOR EACH FOOT-CANDLE AT THE REFLECTOR (ON A PLANE PERPENDICULAR TO THE INCIDENT LIGHT).

TYPE A MARKERS ARE INTENDED TO PROVIDE HIGH VISIBILITY BOTH DAY AND NIGHT. THEIR DAY TIME VISIVILITY SHALL BE ASSURED BY SIZE, SHAPE AND COLOR AS FOLLOWS:

1) THE MARKERS SHALL BE A HIGH VISIBILITY YELLOW OR WHITE COLOR WHICH WILL NOT DEGRADE SUBSTANTIALLY DUE TO TRAFFIC WEAR AND WHICH WILL MATCH THE COLOR OF THE REFLECTOR.

2) WHEN VIEWED FROM ABOVE, THE MARKERS SHALL HAVE A VISIBLE AREA OF NOT LESS THAN 14 SQUARE INCHES.

3) WHEN VIEWED FROM THE FRONT, PARALLEL TO THE PAVEMENT, AS FROM APPROACHING TRAFFIC, THE MARKER SHALL HAVE A WIDTH OF APPROXIMATELY 4 INCHES AND A VISIBLE AREA OF NOT LESS THAN 1.5 SQUARE INCHES.

TYPE B MARKERS ARE INTENDED TO PROVIDE HIGH VISIBILITY AT NIGHT BY RETROREFLECTING AUTOMOTIVE HEADLIGHT BACK TO DRIVER.

INSTALLATION

TEMPORARY RAISED PAVEMENT MARKERS SHALL BE ATTACHED TO CLEAN, DRY PAVEMENT BY A BUTYL ADHESIVE PAD, ABITUMINOUS ACHESIVE OR OTHER CONSTRUCTION GRADE ADHESIVES (SUCH AS FRANKLIN PANEL AND METAL ADHESIVE) SUITABLE TO ANCHOR THE MARKER UNDER THE ABOVE CONDITIONS. WHEN IT IS NEDESSARY TO ATTACH MARKERS TO NEW CONCRETE PAVEMENT WITH CURING COMPOUND REMAINING, THE CURING COMPOUND MEMBRANE SHALL BE REMOVED BY SANDBLASTING OR OTHER MECHANICAL CLEANING METHOD. MARKERS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

THE CONTRACTOR SHALL IMMEDIATELY REPLACE, AT HIS EXPENSE, ANY MARKERS WHICH FAIL (BROKEN HOUSING, HOUSING WORN TO THE EXTENT THAT DAYTIME VISIBILITY IS SIGNIFICANTLY DIMINISHED OR OF AN UNACCEPTABLE COLOR, DETACHED OR BROKEN REFLECTOR, HOUSING DETACHED FROM ADHESIVE).

MARKERS ARE LIKELY TO BE REMOVED BY SNOW PLOWING OPERATIONS, THUS THEY ARE NOT CONSIDERED SUITABLE FOR USE DURING THE PERIOD FROM OCTOBER 15 UNTIL APRIL 30. THE CONTRACTOR IS ADVISED TO SCHEDULE HIS WORK AND/OR THE USE OF THESE DEVICES TO AVOID THIS PERIOD. SHOULD THE CONTRACTOR CHOOSE TO USE TRPM'S DURING THIS PERIOD AND THEY ARE SUBSEQUENTLY REMOVED OR DESTROYED BY SNOW AND ICE CONTROL ACTIVITIES. THE CONTRACTOR SHALL IMMEDIATELY, AT HIS EXPENSE, PROVIDE A SUBSTITUTE TRAFFIC GUIDANCE SYSTEM EFFECTIVE DURING DAY AND NIGHT AND WHICH IS ACCEPTABLE TO THE ENGINEER.

THE MARKERS SHALL BE PLACED ACCURATELY TO DEPICT STRAIGHT OR UNIFORMLY CURVING INES. WHEN USED TO SUPPLEMENT TEMPORARY PAVEMENT MARKINGS, THEY SHALL BE PLACED ON OR IMMEDIATELY ADJACENT TO THE PAVEMENT MARKING. LOCATIONS SHALL BE ADJUSTED UP TO ONE FOOT LONGITUDINALLY OR SIX INCHES LATERALLY TO AVOID PLACEMENT ON JOINTS, OR ON CRACKED OR DETERIORATED PAVEMENT. MARKERS SHALL NOT BE PLACED DIRECTLY ON PAVEMENT MARKINGS IF THIS DESTRACTS FROM THEIR ABILITY TO REMAIN ATTACHED TO THE PAVEMENT.

APPLICATION

1) WHEN REQUIRED TO SUPPLEMENT PAVEMENT MARKING, TEMPORARY RAISED PAVEMENT MARKERS SHALL BE PLACED AS FOLLOWS:

LINE	TYPE	SPACING
EDGE LINE	A OR B	20'C/C
LANE LINE	A OR B	40'C/C•
CENTER LINE (SINGLE/BROKEN)	A OR B	40'C/C•
CENTER LINE (DOUBLE/SOLID)	A OR B	2 UNITS SIDE BY SIDE 4 INCHES APART 20'C/C
CHANNELIZING LINE (INCLUDES EXIT GORE NOSE)	A OR B	10'C/C

• CENTERED IN GAP

2) WHEN USED TO SIMULATE (REPLACE) PAVEMENT MARKING, TEMPORARY RAISED PAVEMENT MARKERS SHALL BE PLACED AS FOLLOWS:

LINE	TYPE	SPACING
EDGE LINE	A	5' C/C
LANE LINE	A	403.33'C/C 30'GAP (40'CYCLE)
CENTER LINE (DOUBLE/SOLID)	A	2 UNITS SIDE BY SIDE 5' C/C
CENTER LINE (SINGLE/BROKEN)	A	403.33'C/C 30'GAP (40'CYCLE)
CHANNELIZING LINE (INCLUDES EXIT GORE NOSE)	A	5' C/C
EDGE LINE (TWO COLOR) (WHITE/YELLOW)	A	BACK TO BACK 5' C/C

YELLOW MARKERS USED TO SEPARATE OPPOSITE FLOWS OF TRAFFIC (CENTER LINES) SHALL INCLUDE REFLECTIONS FOR BOTH DIRECTIONS. ALL OTHER YELLOW AND WHITE MARKERS SHALL PROVIDE RETROREFLECTIVITY FOR ONE DIRECTION ONLY.

REMOVAL

REMOVAL SHALL BE ACCOMPLISHED IN A MANNER THAT LITTLE OR NONE OF THE ADHESIVE REMAINS ON THE PAVEMENT. PERMANENT PAVEMENT SURFACES SHALL NOT BE SCARRED, BROKEN OR ROUGHENED SIGNIFICANTLY.

PAVEMENT

BASIS OF PAYMENT SHALL BE AT THE CONTRACT UNIT PRICE PER EACH MARKER AND SHALL INCLUDE ALL LABOR, EQUIPMENT, HARDWARE AND INCIDENTALS REQUIRED TO PERFORM THE WORK. IT SHALL ALSO INCLUDE REPLACEMENT AT NO ADDITIONAL COST OF ALL TEMPORARY RAISED PAVEMENT MARKERS, WHICH, IN THE JUDGEMENT OF THE ENGINEER, FAIL FOR ANY REASON, EXECPT DUE TO FAILURE OF THE PAVEMENT TO WHICH THEY ARE ATTACHED.

ITEM	UNIT	DESCRIPTION
614	EACH	TEMPORARY RAISED PAVEMENT MARKERS.

FOR TRPM LOCATIONS AND ESTIMATED QUANTITIES SEE MAINTENANCE OF TRAFFIC ESTIMATED QUANTITY TABLES. TRPM TYPE AND SPACING SHALL BE AS SHOWN IN THE APPLICATION TABLE ON THIS SHEET FOR TRPM'S USED TO SUPPLEMENT PAVEMENT MARKINGS.

PRELIMINARY
PREPARED BY
TECHNICAL SUPPORT SECTION
ALF H. HANSEN P.E.
WALTER C. CHADWICK D.S.

REVISED BY: DATE:

	DATE
210120	
614 TEMPORARY RAISED PAVEMENT MARKERS	
PLAN INSERT SHEET	

GENERAL SUMMARY

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

CALC. BY M.E.F. DATE 2/92
CHKD. BY C.L.T. DATE 2/92

OHIO
FHWA REGION 5
FEDERAL PROJECT

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SHEET NUMBER																							PARTICIPATION			ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION
56	57	58	59	60			68	69	70	71	72	73	74	75	76			80	81	136	141	151								
																														ROADWAY
									LUMP			LUMP	LUMP	LUMP												202	11200	LUMP		PORTIONS OF STRUCTURE REMOVED
							10064								1											202	23000	10065	SQ YD	PAVEMENT REMOVED
							28382								3											202	23500	28385	SQ YD	WEARING COURSE REMOVED
																					371	211				202	30600	582	SQ YD	CONCRETE MEDIAN REMOVED
										280			262.50													202	30700	543	LIN FT	CONCRETE BARRIER REMOVED
															546											202	32000	546	LIN FT	CURB REMOVED
									58	137	82	98	57	38						6						202	35100	476	LIN FT	PIPE REMOVED, 24" AND UNDER
									12		16															202	35200	28	LIN FT	PIPE REMOVED, OVER 24"
								3903.25	3306.25	1856.25	1225	987.50	750	5300	2287.50											202	38000	19615.75	LIN FT	GUARDRAIL REMOVED
								250	150	150	100	50	50						500							202	38300	1250	LIN FT	GUARDRAIL REMOVED, BARRIER DESIGN
										725																202	38501	725	LIN FT	BRIDGE RAILING REMOVED, AS PER PLAN (SEE SHEET NO.195)
	1808								2	3	6	4	3	1						1						202	54100	1808	EACH	RAISED PAVEMENT MARKER REMOVED FOR STORAGE
														1												202	58100	20	EACH	CATCH BASIN REMOVED
								1			2															202	58200	1	EACH	INLET REMOVED
																										202	58500	3	EACH	CATCH BASIN ABANDONED
																			1962							202	75000	1962	LIN FT	FENCE REMOVED
200		242					3899	8		4								9870								203	12000	14223	CU YD	EXCAVATION NOT INCLUDING EMBANKMENT CONSTRUCTION
							230	4	12			7	4					9441								203	20000	9698	CU YD	EMBANKMENT
							25687																			203	50000	25687	SQ YD	SUBGRADE COMPACTION
										725																517	72307	725	LIN FT	DEEP BEAM GUARDRAIL WITH TUBULAR BACKUP AND TYPE 2 POSTS, AS PER PLAN (SEE SHEET NO. 195)
								3308.84	3693.75	2087.50	1175	1256.25	1250.00	4925	1987.50												606	13000	19683.84	LIN FT	GUARDRAIL, TYPE 5
								200	75																	606	13050	275	LIN FT	GUARDRAIL, TYPE 5A
								100		125																606	15500	225	LIN FT	GUARDRAIL, BARRIER DESIGN, TYPE 5
								6	7	4	2	2	2	7	9											606	25000	39	EACH	ANCHOR ASSEMBLY, TYPE A
								6	6	4	2	2	2													606	25500	22	EACH	ANCHOR ASSEMBLY, BARRIER DESIGN, TYPE A
								1	1	2		1		5	2											606	26500	12	EACH	ANCHOR ASSEMBLY, TYPE T
								9	4	2	2	2	2	6	8											606	35000	35	EACH	BRIDGE TERMINAL ASSEMBLY, TYPE 1
												1														606	35100	1	EACH	BRIDGE TERMINAL ASSEMBLY, TYPE 2
										6																606	35140	6	EACH	BRIDGE TERMINAL ASSEMBLY, TYPE 4
																		1830								607	23000	1830	LIN FT	FENCE, TYPE CLT
															36											609	26000	36	LIN FT	CURB, TYPE 6
																		2								625	32000	2	EACH	GROUND ROD
			26333																							SPECIAL	69098300	26333	SQ YD	REGRADING EXISTING SLOPES (SEE SHEET NO.59)
																														EROSION CONTROL
				18894																						207	10000	18894	SQ YD	TEMPORARY SEEDING AND MULCHING
				320																						207	70000	320	EACH	STRAW OR HAY BALES
											58															601	11000	58	SQ YD	RIPRAP USING 6" REINFORCED CONCRETE SLAB
											50															601	32100	50	CU YD	ROCK CHANNEL PROTECTION, TYPE B WITH FILTER
														5												601	32200	5	CU YD	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER
			26333				14097											54039								659	10000	94469	SQ YD	SEEDING AND MULCHING
				4723																						659	14000	4723	SQ YD	REPAIR SEEDING AND MULCHING
			2.38	1.28														4.87								659	20000	8.53	TON	COMMERCIAL FERTILIZER
	204			51																						659	35000	255	M GAL	WATER
														96	396											660	20000	492	SQ YD	REINFORCED SODDING
								50	53	56	336	1068	141	810												660	30000	2514	SQ YD	SODDING

-:AU75GS01 19920221

GENERAL SUMMARY

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

CALC. BY M.E.F. DATE 2/92
CHKD. BY C.L.T. DATE 2/92

OHIO
FHWA REGION 5
FEDERAL PROJECT

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SHEET NUMBER																										PARTICIPATION			ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION
		58		68	69	70	71	72	73	74	75	76	77	78	79	80		136		141		151											
																																	DRAINAGE
						0.9			1.9	1.3	0.6																		602	20000	4.70	CU YD	CONCRETE, MASONRY
						10								1268	872														603	01500	2150	LIN FT	6" CONDUIT, TYPE F, 707.17 NON PERFORATED ASTM 3034, SDR 35 OR SS 931
										4																			603	01100	4	LIN FT	6" CONDUIT, TYPE C
								12	4	5																			603	02000	21	LIN FT	8" CONDUIT, TYPE C
													470					10											603	02600	480	LIN FT	8" CONDUIT, TYPE F
						12		10	38																				603	04600	60	LIN FT	12" CONDUIT, TYPE C
											36																		603	05200	36	LIN FT	12" CONDUIT, TYPE F
						118	258	42	104	6	6							8											603	06100	542	LIN FT	15" CONDUIT, TYPE C
						6		6	8																				603	07600	20	LIN FT	18" CONDUIT, TYPE C
						6			12																				603	08700	18	LIN FT	21" CONDUIT, TYPE A
										18																			603	09100	18	LIN FT	21" CONDUIT, TYPE C
									12	24																			603	10200	36	LIN FT	24" CONDUIT, TYPE A
						6		12	30	12																			603	10600	60	LIN FT	24" CONDUIT, TYPE C
											12																		603	13200	12	LIN FT	30" CONDUIT, TYPE A
						12																							603	16200	12	LIN FT	36" CONDUIT, TYPE A
								16																					603	19200	16	LIN FT	42" CONDUIT, TYPE A
								1																					604	01201	1	EACH	CATCH BASIN, NO. 4, AS PER PLAN (SEE SHEET NO.190)
						2	3	1	2	2																			604	01204	10	EACH	CATCH BASIN, NO. 4 WITHOUT APRON
								3	2	1																			604	04500	6	EACH	CATCH BASIN, NO. 2-2B
						1		1	2		2																			604	04900	6	EACH	CATCH BASIN, NO. 2-3
						1	1		2																					604	09501	4	EACH	CATCH BASIN RECONSTRUCTED TO GRADE, AS PER PLAN
																		1												604	14503	1	EACH	INLET, NO 3A50, AS PER PLAN (SEE SHEET NO. 60)
													46	18	19														SPECIAL	60436600	83	EACH	PRECAST REINFORCED CONCRETE OUTLET
														19364	12924																		
													100	1701	1679														605	11100	32288	LIN FT	6" SHALLOW PIPE UNDERDRAIN
																													605	13300	3480	LIN FT	6" UNCLASSIFIED PIPE UNDERDRAIN
		4408			224		112																										
																													605	31100	4744	LIN FT	AGGREGATE DRAIN
																																	PAVEMENT
				366417																									254	01000	366,417	SQ. YD.	PAVEMENT PLANING, BITUMINOUS
		2738																											255	10001	2738	SQ YD	FULL DEPTH RIGID PAVEMENT REMOVAL AND RIGID REPLACEMENT, CLASS C, AS PER PLAN (SEE SHEET NO. 58)
		305		800	5		3							936	236														301	10002	2285	CU YD	BITUMINOUS AGGREGATE BASE, AC-20
		76		629	3		2				67	10		409	101														304	20001	1297	CU YD	AGGREGATE BASE, AS PER PLAN (SEE SHEET NO. 58)
				4465																									310	12001	4465	CU YD	SUBBASE, TYPE 1, GRADING A, AS PER PLAN (SEE SHEET NO. 58)
											8	7																	404	25000	15	CU YD	ASPHALT CONCRETE, AC-20 (DRIVEWAYS)
				33852																									407	10000	33852	GAL	TACK COAT
											55	49																	408	10000	104	GALLON	BITUMINOUS PRIME COAT
				8315																									305	13001	8315	SQ YD	9" CONCRETE BASE, AS PER PLAN (SEE SHEET NO. 60)
				13984																									305	14001	13984	SQ YD	10" CONCRETE BASE, AS PER PLAN (SEE SHEET NO. 60)
				28523																									446	01200	28523	CU YD	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, AC-20
				15921																									446	01400	15921	CU YD	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, AC-20
				398																									448	15000	398	CU YD	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, AC-20
											89																		611	15000	89	SQ YD	REINFORCED CONCRETE APPROACH SLAB (T=13")
				5197																									617	10100	5197	CU YD	COMPACTED AGGREGATE , TYPE A
				82																									617	25000	82	M GAL	WATER
																		562		1047		572							622	23305	2181	LIN FT	CONCRETE BARRIER, TYPE A50, AS PER PLAN (SEE SHT. NO. 59
						189	222	91	105	135																			622	24000	742	LIN FT	CONCRETE BARRIER, TYPE D
		8002							501																				255	20000	8503	LIN FT	FULL DEPTH PAVEMENT SAWING
					274		100																						SPECIAL	45132000	374	LIN FT	PRESSURE RELIEF JOINT, TYPE C
		3285																											SPECIAL	45014000	3285	LIN FT	SAWING AND SEALING ASPHALT CONCRETE PAVEMENT JOINTS, 705.04

A:AU75GS02 19920221

GENERAL SUMMARY

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
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CALC. BY M.E.F. DATE 2/92		OHIO
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		FEDERAL PROJECT

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SHEET NUMBER														PARTICIPATION	ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION
28	30	50	51	52	53	54	55	56	153										
																			MAINTENANCE OF TRAFFIC
	50														404	35000	50	CU YD	BITUMINOUS CONCRETE FOR MAINTAINING TRAFFIC
	50														410	12000	50	CU YD	TRAFFIC COMPACTED SURFACE, TYPE A OR B
200															SPEC.	61411100	200	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR
320															SPEC.	61412500	320	SQ FT	REPLACEMENT SIGN
50															SPEC.	61412600	50	EACH	REPLACEMENT DRUM
	46														614	12470	46	EACH	WORK ZONE SPEED LIMIT SIGN
		464	343	641	272	812	382	469							614	12900	3383	EACH	TEMPORARY RAISED PAVEMENT MARKER, TYPE A
		6	8	6	20	5	4								614	13200	49	EACH	BARRIER REFLECTOR, TYPE A
		54	32	92	20	105	56	13							614	13300	372	EACH	BARRIER REFLECTOR, TYPE B
							14								614	13302	14	EACH	BARRIER REFLECTOR, TYPE B2
		0.4			0.4				39.8						614	20000	40.60	MILE	TEMPORARY LANE LINE, CLASS I
							0.3		0.8						614	21000	1.10	MILE	TEMPORARY CENTER LINE, CLASS I
		0.7	0.6	2.2	0.9	3.0	1.2	1.8	105.6						614	22000	116	MILE	TEMPORARY EDGE LINE, CLASS I
									2100						614	28000	2100	LIN FT	TEMPORARY GORE MARKING, CLASS II
				2029	1158	2849	145	3105							615	35001	9286	SQ YD	TEMPORARY PAVEMENT, AS PER PLAN (SEE SHEET NO. 29)
	100														616	10000	100	M GAL	WATER
	20														616	20000	20	TON	CALCIUM CHLORIDE
				169		203		200							617	10100	572	CU YD	COMPACTED AGGREGATE, TYPE A
				3		4		4							617	25000	11	M GAL	WATER
		1620	1280	4660	1080	5400	2330								622	40021	16370	LIN FT	PORTABLE CONCRETE BARRIER, 32", AS PER PLAN (SEE SHEET NO. 82)
							470								622	40041	470	LIN FT	PORTABLE CONCRETE BARRIER, 32", BRIDGE MOUNTED, AS PER PLAN (SEE SHEET NO. 82)
																			FOR BRIDGE SUMMARY SEE SHEET NO. 199
																			FOR TRAFFIC CONTROL SUMMARY SEE SHEET NO. 154
															614	11000	LUMP		MAINTAINING TRAFFIC
															619	15010	LUMP		FIELD OFFICE, TYPE B
															623	10000	LUMP		CONSTRUCTION LAYOUT STAKES
															624	10000	LUMP		MOBILIZATION

FHWA REGION	STATE	PROJECT	
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AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
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RESURFACE AS PER TYPICAL SECTION NO. 1

FOR ADDITIONAL RAMP C DETAILS SEE SHEET NO.'S **88** AND 134

EX. L/A

Ex. Twin 36"

Ex. 15"

2U

3U

1U

Ex. 6" U'drain

RAMP "C"

Southbound Lanes

Northbound Lanes

RAMP "F"

Ex. C.B.

6' x 6' Sod

Ex. 21"

Ex. Twin 36"

SEE SHEET NO. 88

MATCH LINE

4U

1D

P.C. Sta. 0+00(F)
Sta. 301+49.98-53' Rt.

Sta. 290+29.47

P.T. Sta. 31+59.81 (C)=
Sta. 291+54.47; 41' Lt.

P.I. Sta. 30+55.66 =
Sta. 292+58.62 41' Lt.

10'
24'
4'
12'
8'

+01.21

℄ SURVEY I.R.-75

287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302

Overhead Telephone Line (Telephone Service Co.)
Fiber Optics Line (A.T.&T. Company)
Overhead Power Line (Midwest Electric)

Sta. 290+00 BEGIN WORK
Sta. 290+29.47

125' PVM'T. TRANSITION

SEE TRANSITION DETAIL "A" ON SHEET NO. 19

BEGIN PROJECT
STA. 291+54.47
S.L.M. = 4.54

IM-75-4(45)110

FOR ESTIMATED QUANTITIES SEE SHEET NO.'S 69 TO 76

FOR UNDERDRAIN QUANTITIES SEE SHEET NO.'S 77 TO 79

FOR ADDITIONAL RAMP F DETAILS SEE SHEET NO.'S **88**, 134 AND 136

| | | |

FHWA REGION	STATE	PROJECT	
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AUGLAIZE COUNTY
ALLEN COUNTY
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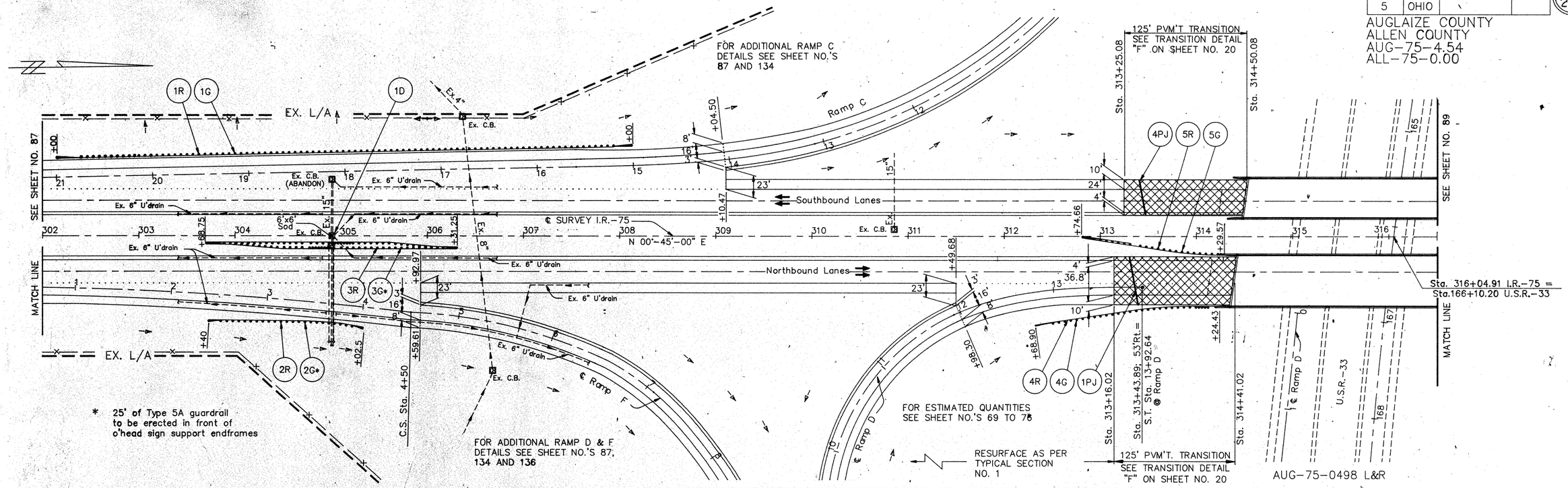

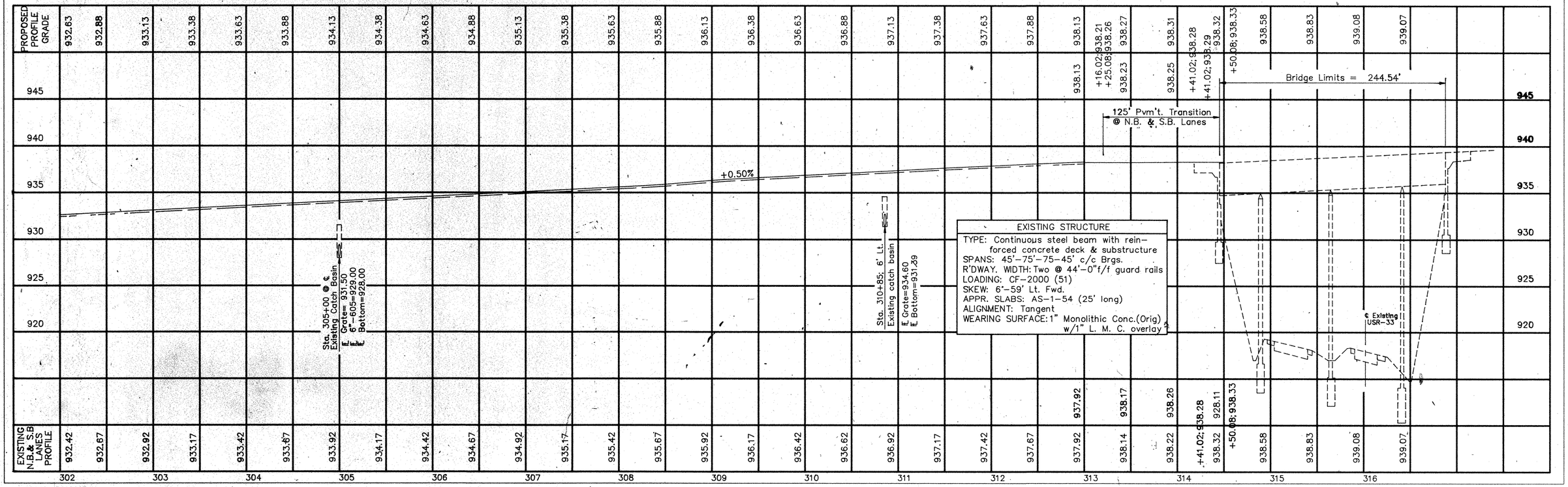

A:AU75PP01 19920205

PLAN & PROFILE STA. 302+00 TO STA. 316+50

FHWA REGION	STATE	PROJECT	
5	OHIO		

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AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00

AUG–75–0498 L&R

AUG–75–0515 L&R

FOR ADDITIONAL RAMP A DETAILS SEE SHEET NO.'S 134 AND 135

FOR ADDITIONAL RAMP C DETAILS SEE SHEET NO.'S 91 AND 138

FOR ADDITIONAL RAMP A DETAILS SEE SHEET NO.'S 90 AND 138

FOR ESTIMATED QUANTITIES SEE SHEET NO.'S 69 TO 76

SEE SHEET NO. 88

SEE SHEET NO. 90

MATCH LINE

125' Pvm't Transition SEE TRANSITION DETAIL "F" ON SHEET NO. 20

225' Pvm't Transition SEE TRANSITION DETAIL "E" ON SHEET NO. 20

125' Pvm't Transition SEE TRANSITION DETAIL "F1" ON SHEET NO. 21

225' Pvm't Transition SEE TRANSITION DETAIL "E1" ON SHEET NO. 21

RESURFACE AS PER TYPICAL SECTION NO.4

RESURFACE AS PER TYPICAL SECTION NO. 5

Ramp A

Ramp C

Southbound Lanes

Northbound Lanes

EX. L/A

Ex. Overhead Sign

Ex. Cantilever Sign

Ex. C.B. (DO NOT DISTURB)

Ex. C.B.

Ex. 8"

Ex. 15"

Ex. 6"

Ex. 10" Water Line (City of Wapakoneta)

4" Stl. Med. Pressure (West Ohio Gas Co.)

(West Ohio Gas Co.) 4" Stl. Med. Pressure gas line

AMETEK TRACKS

6'x6' Sod

* 25' of Type 5 guardrail to be erected in front of O'head sign support endframes

N 00°-45'-00" E

Sta. 316+94.04

Sta. 316+84.98

Sta. 317+03.17

Sta. 318+19.04

Sta. 318+39.11

Sta. 319+09.98

Sta. 319+98.29

Sta. 321+27.23

Sta. 321+98.90

Sta. 322+11.44; 49' Lt.= T.S. Sta. 18+83.11 @ Ramp A

Sta. 322+52.23

Sta. 323+96.84

Sta. 325+21.84

Sta. 325+92.99

Sta. 328+18.99; 53' Lt.= T.S. Sta. 17+37.74 @ Ramp C

Sta. 329+46.55; 53' Rt.= T.D. Sta. 11+43.51 @ Ramp A

Begin 25:1 G.R. Flare

End 25:1 G.R. Flare

10' Berm

42.34

65.84

67.70

70.34

98.29

14.61

87.92

42.83

51.64

01.84

07.89

54.20

97.95

47.95

20.86

22.44

03.27

84.98

93.27

09.98

19.04

39.11

67.70

08.21

94.04

Bridge Limits 244.54'

Bridge Limits 144.62'

225' Pvm't. Transition @ N.B.Lanes

125' Pvm't Transition @ S.B. Lanes

+0.50%

-1.20%

-3.00%

P.I. Sta. 328+25
Elev. = 938.40

450' V.C.

P.C. Sta. 326+00

P.T. Sta. 330+50

Sta. 329+00; @ ℄ Existing catch basin
℄ Grate = 931.81
℄ Bottom = 928.00

Sta. 317+25 @ ℄ Existing Catch Basin
℄ Grate = 937.50
℄ Bottom = 932.31
(DO NOT DISTURB)

EXISTING STRUCTURE

TYPE: Continuous steel beam with reinforced concrete deck & substructure
SPANS: 52'–65'–52' c/c Brgs.
R'DWAY. WIDTH: Two @ 44'–0" f/f guard rails
LOADING: CF–2000 (51)
SKEW: 15° R.Fwd.
APPR. SLABS: AS–1–54 (20' long)
ALIGNMENT: Tangent
WEARING SURFACE: 1" Monolithic Conc.(Orig)
1" L. M. C. overlay

PROPOSED PROFILE GRADE

EXISTING S.B. LANES PROFILE

EXISTING N.B. LANES PROFILE

A:AU75PP02 19920205

PLAN & PROFILE STA. 316+50 TO STA. 330+00

FHWA REGION	STATE	PROJECT	
5	OHIO		

90
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

600' Pavement Planing and Resurfacing
SEE PVM'T PLANING DETAIL "AA" & "BB" ON SHEET NO. 25

FOR ADDITIONAL RAMP C
DETAILS SEE SHEET
NO.'S 89 AND 138

FOR ADDITIONAL RAMP D
DETAILS SEE SHEET
NO.'S 91 AND 138

FOR PROPOSED
HEADWALL DETAILS
SEE STD. DWG.
HW-4A OR HW-4B

SEE SHEET NO. 89

SEE SHEET NO. 91

MATCH LINE

MATCH LINE

City of Wapakoneta San. 8"

Overhead power line 52' (Wapak Power)

℄ Ramp C

℄ Bellefontaine Street

℄ Ramp D

Southbound Lanes

Northbound Lanes

N 00°-45'-00" E

Sta. 335+00

Sta. 341+00

Begin Proposed

End Proposed Guardrail

Ex. 6'-15"

6' OF 15" Conduit Type C *

100' OF 15" Conduit, Type C

Ex. C.B. Reconstructed To Grade, As Per Plan

Prop. No. 4 Catch Basin without apron

10'x10' Sod

℄ SURVEY I.R.-75

Sta. 338+19.12 @ ℄ I.R.-75 =
Sta. 868+53.02 @ ℄ Bellefontaine St.

Ex. R.C.P and C.B.

Ex. 24"

* 6' of 21" Conduit Type A and new headwall

Ex. 6" U'drain

Ex. 6" U'drain

1U

2D

1D

3D

50' Pvm't Transition
SEE TRANSITION DETAIL
"M" ON SHEET NO. 23

50' Pvm't Transition
SEE TRANSITION DETAIL
"M" ON SHEET NO. 23

FOR ADDITIONAL RAMP A
DETAILS SEE SHEET
NO.'S 89 AND 138

RESURFACE AS
PER TYPICAL
SECTION NO. 5

RESURFACE AS
PER TYPICAL
SECTION NO. 6

FOR CONCRETE BARRIER
AND GUARDRAIL PIER
PROTECTION DETAILS
SEE SHEET NO. 192

FOR ESTIMATED QUANTITIES
SEE SHEET NO.'S 69 TO 76

FOR UNDERDRAIN QUANTITIES
SEE SHEET NO.'S 77 TO 79

* CONNECT PIPES WITH
MASONRY COLLAR AS PER
STD. DRWG. MC-4

FOR ADDITIONAL RAMP B
DETAILS SEE SHEET
NO.'S 91 AND 138

℄ Ramp A

℄ Ramp B

O'head power, telephone & cable T.V. lines

AUG-75-0545

AUG-75-0545

-3.00%

-0.30%

P.T. STA. 330+50
Elev. 931.65

600' Pavement Planing
SEE PVM'T. PLANING DETAILS "AA" & "BB" ON SHEET NO. 25

GRAPHIC GRADE

N.B. Lanes Ex. clr. = 15'-6 1/4"
N.B. Lanes Prop. clr. = 15'-7 1/4"
S.B. Lanes Ex. clr. = 15'- 0 1/4"
S.B. Lanes Prop. clr. = 15'-3 1/4"

+00 @ ℄ Catch Basin Reconstructed To Grade, As Per Plan
℄ Ex. Grate = 902.60
℄ Prop. Grate = 906.00±

+00 @ ℄ Prop. No.4 Catch Basin, without apron
℄ Grate = 903.50
Bottom = 901.60

NOTE: Sta. 335+00 to Sta. 341+00
Graphic Grade

EXISTING STRUCTURE
TYPE: Continuous steel beams with rein-forced concrete deck & substructure
SPANS: 60'-75'-75'-60' c/c Brgs.
R'DWAY. WIDTH: 28' f/f to 2'-0" safety curbs
LOADING: CF-400 (51)
SKEW: 32'-53" R.F.
APPR. SLABS: AS-1-54 (20' long)
ALIGNMENT: Tangent
WEARING SURFACE: 1" Monolithic Conc.(Orig) 1" L. M. C. overlay

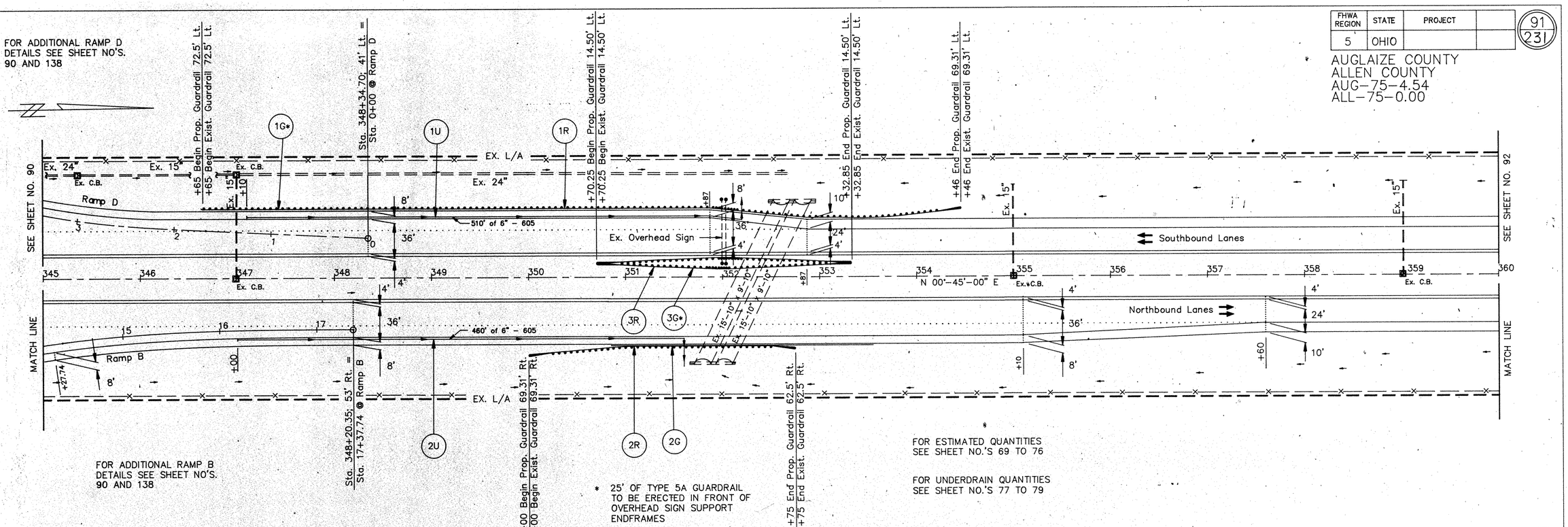
| | | |

FHWA REGION	STATE	PROJECT	
5	OHIO		

91
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

FOR ADDITIONAL RAMP D
DETAILS SEE SHEET NO'S.
90 AND 138

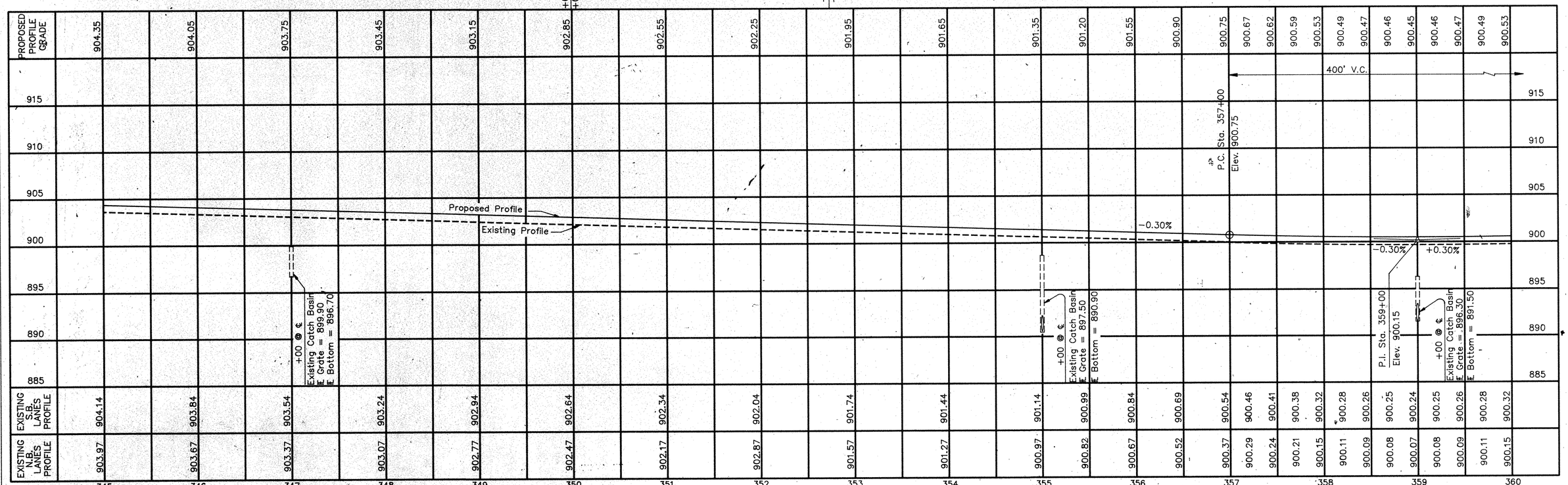


FOR ADDITIONAL RAMP B
DETAILS SEE SHEET NO'S.
90 AND 138

* 25' OF TYPE 5A GUARDRAIL TO BE ERECTED IN FRONT OF OVERHEAD SIGN SUPPORT ENDFRAMES

FOR ESTIMATED QUANTITIES
SEE SHEET NO.'S 69 TO 76

FOR UNDERDRAIN QUANTITIES
SEE SHEET NO.'S 77 TO 79



A:AU75PP04 19920206

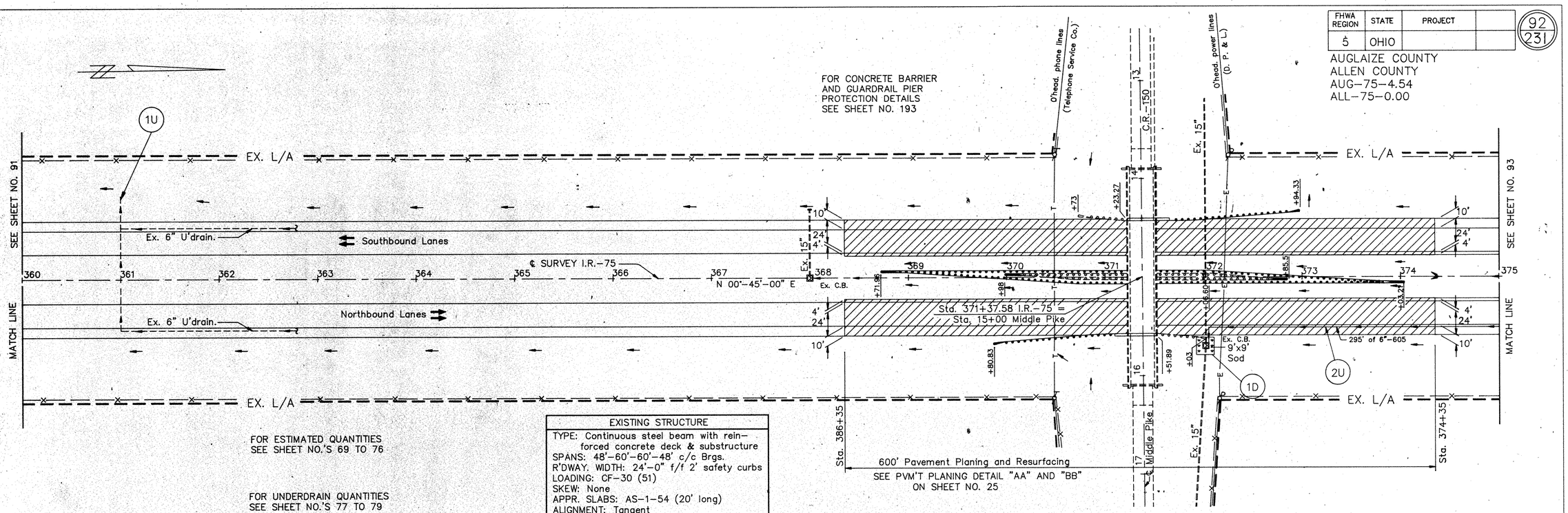
PLAN & PROFILE STA. 345+00 TO STA. 360+00

FHWA REGION	STATE	PROJECT	
5	OHIO		

92
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00

FOR CONCRETE BARRIER AND GUARDRAIL PIER PROTECTION DETAILS SEE SHEET NO. 193



FOR ESTIMATED QUANTITIES SEE SHEET NO.'S 69 TO 76

FOR UNDERDRAIN QUANTITIES SEE SHEET NO.'S 77 TO 79

EXISTING STRUCTURE

TYPE: Continuous steel beam with rein–forced concrete deck & substructure
SPANS: 48'–60'–60'–48' c/c Brgs.
R'DWAY. WIDTH: 24'–0" f/f 2' safety curbs
LOADING: CF–30 (51)
SKEW: None
APPR. SLABS: AS–1–54 (20' long)
ALIGNMENT: Tangent
WEARING SURFACE: 1/2" Mono. Concrete

AUG–75–0608

	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375
PROPOSED PROFILE GRADE	900.53	900.59 900.62	900.67 900.75	900.90	901.05	901.20	901.35	901.50	901.65	901.80	901.95	902.10	902.25	902.40	902.55	902.70
EXISTING S.B. LANES PROFILE	900.32	900.38 900.41	900.46 900.54	900.69	900.84		901.14		901.44		901.74		902.04		902.34	
EXISTING N.B. LANES PROFILE	900.15	900.21 900.24	900.29 900.37	900.52	900.67		900.97		901.27		901.57		901.87		902.17	

	902.85	902.96	902.97	903.00	903.04	903.07	903.10 903.14	903.29	903.44	903.59	903.70	903.78	904.05	904.31	904.58	904.76	904.8	904.95
PROPOSED PROFILE GRADE		+35; 902.96					+35; 903.14				+35; 903.70					+35; 904.76		
EXISTING S.B. LANES PROFILE	902.64	902.75		902.94		903.24	903.35	903.54		903.84	+00.70' Rt. Existing catch basin T. Grate = 903.95 I. Bottom = 894.85		904.14		904.44	904.55		904.74
EXISTING N.B. LANES PROFILE	902.47	+35; 902.58		902.77		903.07	+35; 903.18	903.37		903.67	+35; 903.78		903.97		904.27	+35; 904.38		904.57

400' V.C.
P.T. Sta. 361+00
+0.30 %
Prop. Profile
Existing Profile
Vertical Clearance:
S.B. Ex. clr. = 14'–10"/N.B. Ex. clr. = 15'–2 1/4"
S.B. Prop. clr. = 15'–1"/N.B. Prop. clr. = 15'–3 1/4"
Existing bridge deck
+00 Ex. C.B. T. Grate 899.3 I. Bottom 898.6
Sta. 368+35
600' Pavement Planing
SEE DETAIL "AA" & "BB" ON SHEET NO. 25
GRAPHIC GRADE
Sta. 374+35

915
910
905
900
895
890

A:AU75PP05 19920213

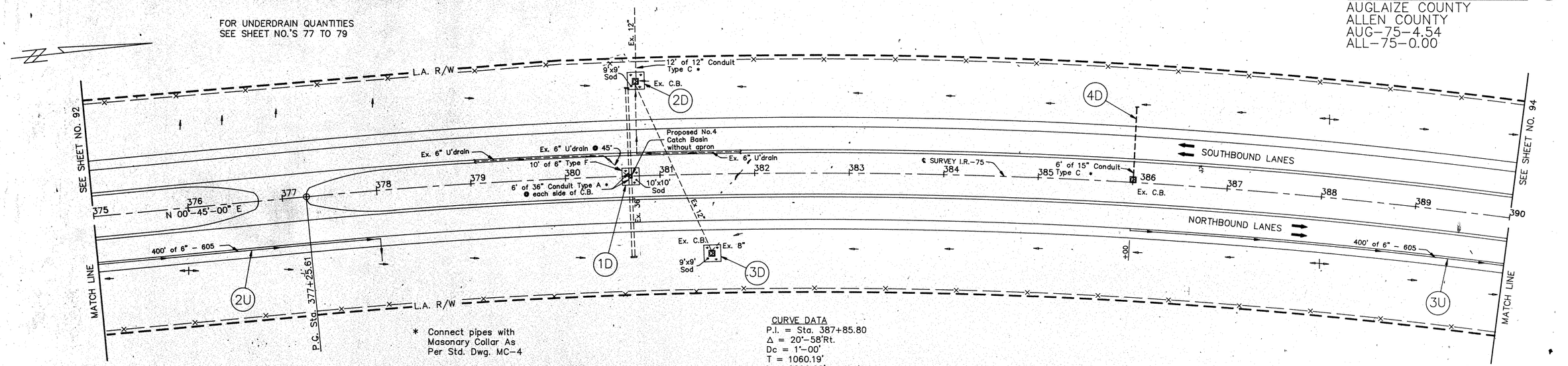
PLAN & PROFILE STA. 360+00 TO STA. 375+00

FHWA REGION	STATE	PROJECT	
5	OHIO		

93
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

FOR UNDERDRAIN QUANTITIES
SEE SHEET NO.'S 77 TO 79



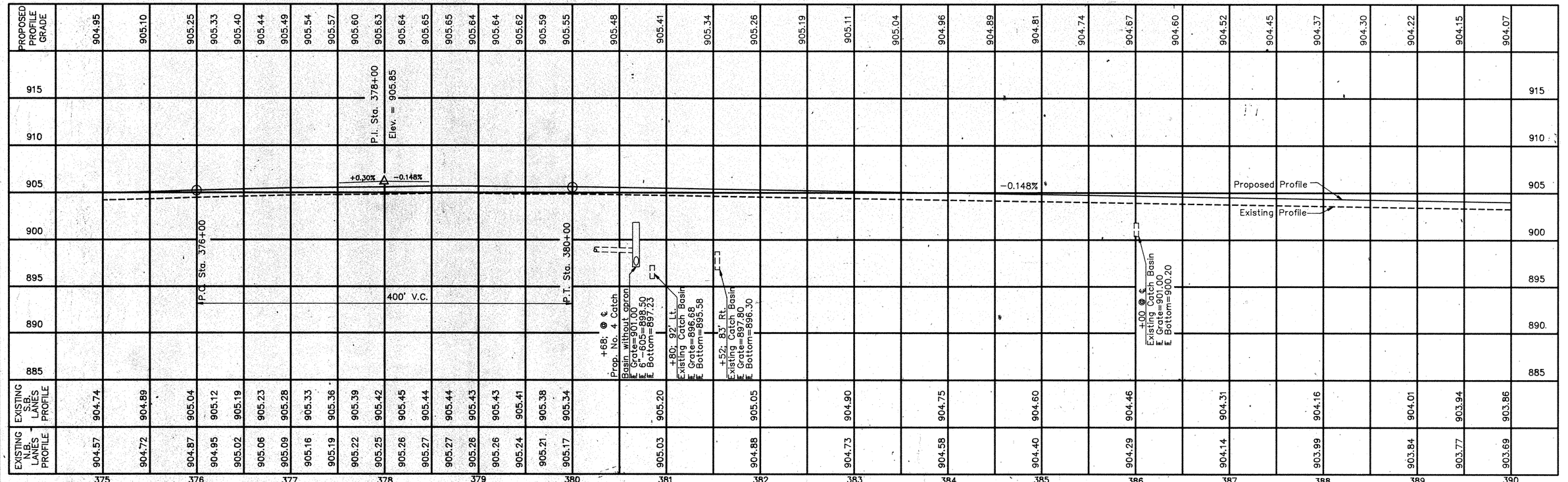
* Connect pipes with Masonary Collar As Per Std. Dwg. MC-4

CURVE DATA
P.I. = Sta. 387+85.80
Δ = 20°-58'Rt.
Dc = 1°-00'
T = 1060.19'
L = 2096.66'
E = 97.26'
Rc = 5729.58'
P.C. = Sta.377+25.61
P.T. = Sta.398+22.27

FOR ESTIMATED QUANTITIES
SEE SHEET NO.'S 69 TO 76

FOR MEDIAN CROSSOVER
SEE SHEET NO. 26

RESURFACE AS PER TYPICAL SECTION NO. 6 — Sta. 375+75 — RESURFACE AS PER TYPICAL SECTION NO. 11



A:AU75PP06 19920206

PLAN & PROFILE STA . 375+00 TO STA. 390+00

FHWA REGION	STATE	PROJECT	
5	OHIO		

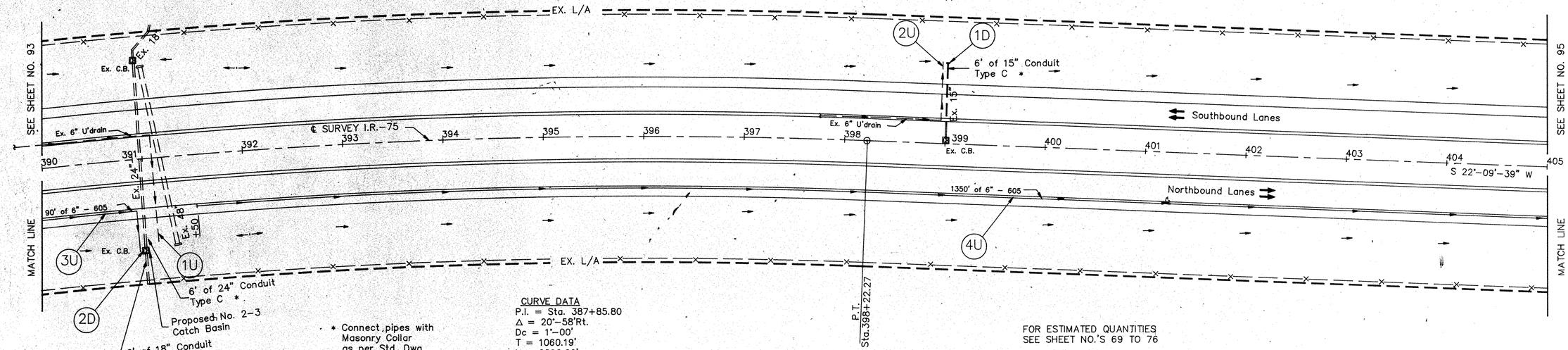
94
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

RESURFACE AS PER TYPICAL SECTION NO. 11

RESURFACE AS PER TYPICAL SECTION NO. 6

Sta. 398+95



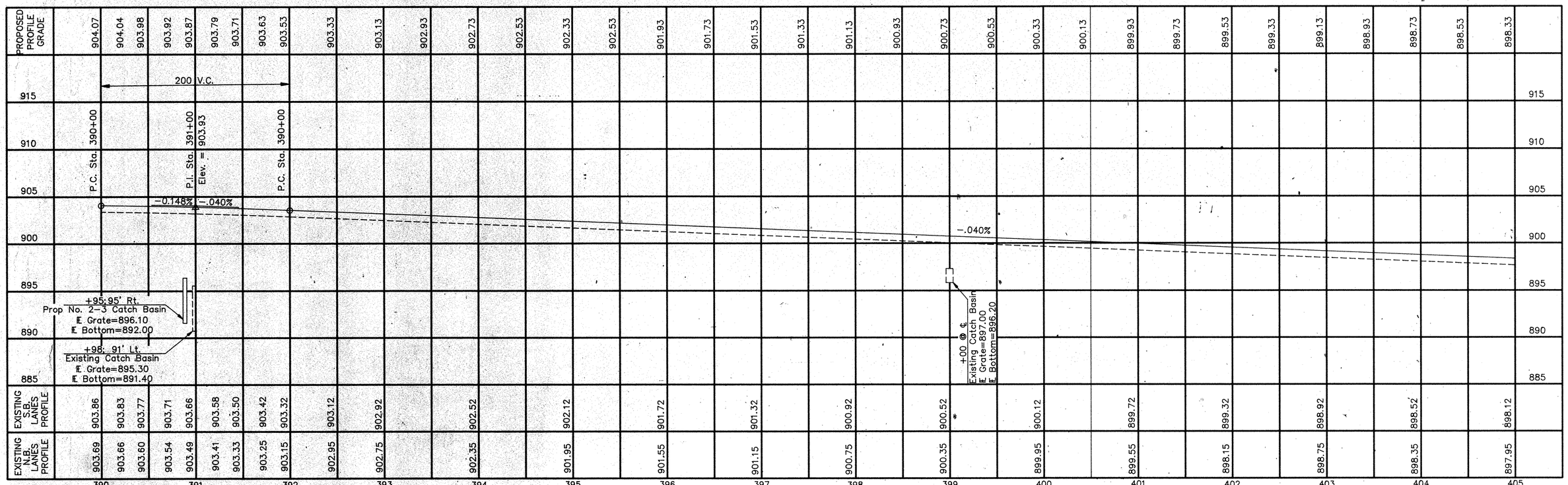
* Connect pipes with Masonry Collar as per Std. Dwg. MC-4

CURVE DATA
P.I. = Sta. 387+85.80
Δ = 20°-58'Rt.
Dc = 1°-00'
T = 1060.19'
L = 2096.66'
E = 97.26'
Rc = 5729.58'
P.C. = Sta.377+25.61
P.T. = Sta.398+22.27

P.T. Sta.398+22.27

FOR ESTIMATED QUANTITIES
SEE SHEET NO.'S 69 TO 76

FOR UNDERDRAIN QUANTITIES
SEE SHEET NO.'S 77 TO 79



A:AU75PP07 19920206

PLAN & PROFILE STA. 390+00 TO STA. 405+00

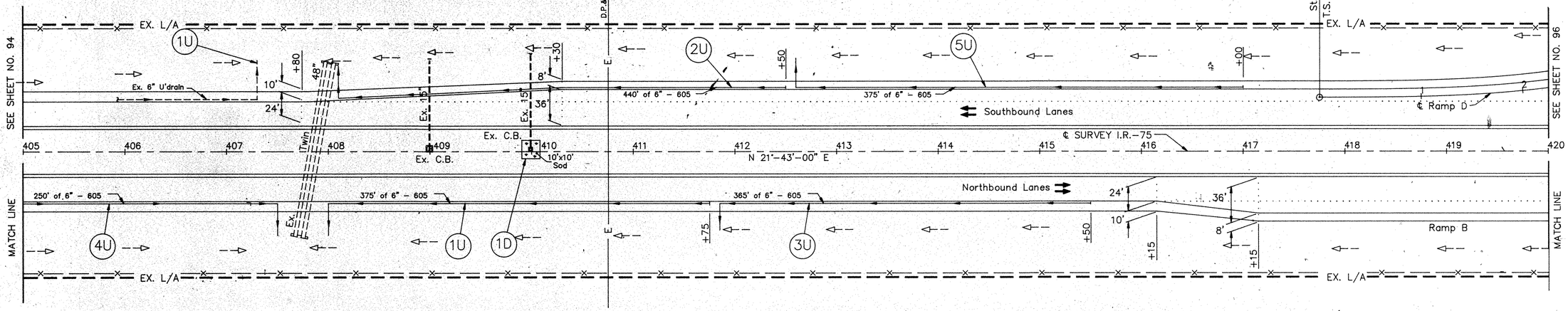
FHWA REGION	STATE	PROJECT	
5	OHIO		

95
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00

FOR ADDITIONAL RAMP D
DETAILS SEE SHEET
NO.'S 96 AND 140

St. 417+75.17; 53' Lt.=
T.S. Sta. 0+00 @ Ramp D



FOR UNDERDRAIN QUANTITIES
SEE SHEET NO.'S 77 TO 79

FOR ESTIMATED QUANTITIES
SEE SHEET NO.'S 69 TO 76

FOR ADDITIONAL RAMP B
DETAILS SEE SHEET
NO.'S 96, 140 AND 141

	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420
PROPOSED PROFILE GRADE	898.33	898.13	897.93	897.73	897.53	897.43	897.35	897.27	897.21	897.15	897.10	897.06	897.03	897.01	897.00	897.00	897.01	897.02	897.05	897.08	897.13	897.23	897.33	897.43	897.53	897.63	897.73	897.83	897.93	898.03	898.13	898.23	898.33	898.43	898.53	898.58	898.61	898.64	898.67	898.68	898.69	898.69	898.68
EXISTING S.B. LANES PROFILE	898.12	897.92	897.72	897.52	897.32	897.22	897.14	897.06	897.00	896.94	896.89	896.85	896.82	896.80	896.79	896.79	896.80	896.81	896.84	896.87	896.92	897.02	897.12	897.22	897.32	897.42	897.52	897.62	897.72	897.82	897.92	898.02	898.12	898.22	898.32	898.37	898.40	898.43	898.46	898.47	898.48	898.48	898.47
EXISTING N.B. LANES PROFILE	897.95	897.75	897.55	897.35	897.15	897.05	896.97	896.89	896.83	896.77	896.72	896.68	896.65	896.63	896.62	896.62	896.63	896.63	896.67	896.70	896.75	896.85	896.95	897.05	897.15	897.25	897.35	897.45	897.55	897.65	897.75	897.85	897.95	898.05	898.15	898.20	898.23	898.26	898.29	898.30	898.31	898.31	898.30

915
910
905
900
895
890
885

400' V.C.
400' V.C.
P.C. Sta 407+00
Elev. 897.53
+00 @ ℄ Existing Catch Basin
E. Grate=892.77
E. Bottom=892.10
+00.0 @ ℄ Existing Catch Basin
E. Grate=892.97
E. Bottom=892.30
P.T. Sta 411+00
Elev. 897.13
P.C. Sta. 418+00
Elev. 898.53
P.I. Sta. 409+00
Elev. 896.73
P.I. Sta. 420+00
Elev. 898.93
–0.40%
+0.20%
+0.20%
–0.30%

A:AUG75PP08 19920206

PLAN & PROFILE STA. 405+00 TO STA. 420+00

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

FHWA REGION	STATE	PROJECT	
5	OHIO		

96
231

PROP. CONC. PAV'T. REPLACEMENT SEE TYPICAL NO. 16

RESURFACE AS PER TYPICAL SECTION NO. 6

TRANSITION DETAIL "J" SEE SHEET NO. 22

TRANSITION DETAIL "I" SEE SHEET NO. 22

FOR ADDITIONAL RAMP C DETAILS SEE SHEET NO'S 37 AND 140

FOR PROPOSED DRAINAGE AND GRADING DETAILS WITHIN PAVEMENT REPLACEMENT AREA SEE RESPECTIVE CROSS SECTIONS.

FOR CONCRETE BARRIER AND GUARDRAIL PIER PROTECTION SEE SHEET NO. 194

FOR ADDITIONAL RAMP D DETAILS SEE SHEET NO.S 95 AND 140

Proposed pavement salvage area SEE PVM'T. PLANING DETAILS "G" AND "H" ON SHEET NO. 22

SEE SHEET NO. 95

MATCH LINE

Southbound Lanes

Northbound Lanes

℄ SURVEY I.R.-75

N 21°-43'-00" E

Ex. 6" U'drain (Connect to Proposed)

Ex. C.B. (Remove)

Prop. 15"

10'x10' Sod

Ex. Catch Basin (See Sheet No.60)

Ex. C.B.

Ex. 21"

Ex. Twin 30"

Ex. 15"

Conduit Type C

50' of 6" - 605

7' of 6" - 605

10'x10' Sod

6' of 15"

Ex. 6" U'drain (Connect to Proposed)

Ex. C.B.

Ex. 21"

Ex. 18"

℄ Ramp A

℄ Ramp B

℄ Ramp C

℄ Ramp D

Ex. L/A

Ex. 21"

Existing overhead bridge

Existing Profile

Vertical clearance:
S.B. Ex. clr. = 15'-0"/N.B. clr. = 15'-5"
S.B. Prop. clr. = 16'-1 3/8" /N.B. Prop. clr. = 16'-4 1/4"

Prop. No. 4 catch basin without apron
℄ Grate = 897.50
℄ Bottom = 889.00

Prop. 15" @0.24%

Ex.15"(Remove)

Existing Catch Basin (Remove)

Ex. 15" (Remove)

Prop. Conc. Pav't. Replacement See Typical No. 29

Sta. 14+00

Sta. 2+00

Sta. 2+81.25

Sta. 422+56.65; 49.72' Rt. = T.S. Sta. 0+00 @ Ramp B

Sta. 430+98.0; 53' Rt. = Sta. 174+56.62 @ Ramp A

RESURFACE AS PER TYPICAL SECTION NO. 6

PROPOSED CONC. PVM'T. REPLACEMENT SEE TYPICAL SECTION NO. 16

FOR ADDITIONAL RAMP A DETAILS SEE SHEET NO'S 97, 140 AND 141

FOR ADDITIONAL RAMP B DETAILS SEE SHEET NO.S 95, 140 AND 141

FOR ESTIMATED QUANTITIES SEE SHEET NO.'S 69 TO 76

FOR UNDERDRAIN QUANTITIES SEE SHEET NO.'S 77 TO 79

AUG-67-0345
AUG-75-0720

* Connect pipes with Masonry collar as per Std. Dwg. MC-4

MATCH LINE SEE SHEET NO. 97

EXISTING STRUCTURE
TYPE: Continuous plate girders with reinforced concrete deck & substructure
SPANS: 78'-112'-127'-76' c/c Brgs.
R'DWAY. WIDTH: 49'-0" f/f 2' safety curbs
LOADING: CF-130 (51)
SKEW: 57°-16'-15" Lt. Fwd.
APPR. SLABS: AS-1-54 (25' long)
ALIGNMENT: Tangent
WEARING SURFACE: 1" Mono. Concrete 1" L.M.C. overlay

	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435
PROPOSED PROFILE GRADE	898.68	898.66 897.64	898.61 897.57	898.51 898.41	898.46 898.33	898.18	898.03	897.88	897.73	897.58	897.43	897.35 897.26	897.16 897.05	896.93 896.80	896.66 896.51	896.35 896.18	896.00 895.81	895.42	895.23 895.06	894.90 894.75	894.62 894.50	894.39 894.30	894.22 894.16	894.11 894.07	894.05 894.04	894.04 984.06	894.09 894.14	894.20 894.27	894.43	894.59	894.76
EXISTING S.B. LANES PROFILE	898.47	898.45 898.43	898.40 898.30	898.36 898.25	898.20 898.12	897.97	897.82	897.67	897.52	897.37	897.22	897.07	896.92	896.77	896.62	896.47	896.32	896.17	896.02	895.87	895.72	895.57	895.42	895.27	895.12	894.97	894.90	894.84	894.78	894.75	894.72	894.70	894.68	894.68	894.69	894.71
EXISTING N.B. LANES PROFILE	898.30	898.28 898.26	898.23 898.19	898.13 898.08	898.03 897.95	897.80	897.65	897.50	897.35	897.20	897.05	896.90	896.75	896.60	896.45	896.30	896.15	896.09	895.85	895.70	895.55	895.40	895.25	895.10	894.95	894.80	894.73	894.67	894.61	894.58	894.55	894.53	894.51	894.51	894.52	894.54

Sta. 420+00
P.I. Elev. 898.93
-0.30%
400' V.C.
P.T. Sta. 422+00
P.C. Sta. 425+00
300' V.C.
425+61; 101' Rt. Existing Catch Basin ℄ Grate = 894.00 ℄ Bottom = 891.10
P.I. Sta. 426+50
El. = 896.98
-0.30%
-0.78%
428+31.5; 85' Rt. Existing Catch Basin ℄ Grate = 894.00 ℄ Bottom = 890.34
P.C. Sta. 428+50
+60-℄ Prop. No. 4 Catch Basin ℄ Grate 893.10 ℄ Bottom 890.89
P.T. Sta. 428+00
500' V.C.
-0.78%
+0.32%
P.I. Sta. 431+00
Elev. = 893.47
+0.325%
P.T. Sta. 433+50
+50 @ ℄
+00 ℄ Ex. Catch Basin Reconstructed To Grade, As Per Plan. (See Sheet No.120)

A:AU75PP09 19920213

PLAN & PROFILE STA. 420+00 TO STA. 435+00

FHWA REGION	STATE	PROJECT	
5	OHIO		

97
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

Proposed pavement salvage area
SEE PVM'T. PLANING DETAILS
"G" AND "H" ON SHEET NO. 22

Sta. 434+06

SEE SHEET NO. 96

MATCH LINE

Sta. 436+50

Sta. 437+96.86; 48.34' Rt.
S.T. Sta. 18+49.75 @ Ramp C

FOR ADDITIONAL RAMP C
DETAILS SEE SHEET
NO.'S 96 AND 140

RESURFACE AS
PER TYPICAL
SECTION NO.6

125' TRANSITION
SEE TRANSITION "F"
ON SHEET NO. 20

Sta. 446+86.34

Sta. 448+10.34

EX. L.A.

EX. L/A

8U 1D 1U 1PJ 4R 3G 4G 3R

9U 2U 2PJ 1G 1R 2G 2R

+01.76 +49 +49 +37.71 +00 +00 +62± +52.62 +77.27

8' 40' 18 4' 36' 8' 10' 24' 4' 24' 10' 4' 24' 10'

Ex. 24" Ex. 15" Ex. 24"

Southbound Lanes

Northbound Lanes

℄ SURVEY I.R.-75

N 21°-43'-00" E

435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450

390' of 6"-605 800' of 6"-605

Proposed No. 4
Catch Basin
without apron

6'-15" Conduit
Type C *

Ex. C.B.

9'x9'
Sod

+90 +13 +67 +63

Ex. 15"

Sta. 446+05.16

Sta. 448+30.16

225' TRANSITION
SEE TRANSITION "E" ON SHEET NO. 20

AUGLAIZE RIVER

Ex. L.A.

Ohio Edison Power & Telephone Lines
O.P. & Lima Telephone Service Co.

FOR ADDITIONAL RAMP A
DETAILS SEE SHEET
NO.'S 96, 140 AND 141

* Connect pipes with
Masonry Collar as per
Std. Dwg. MC-4

FOR ESTIMATED QUANTITIES
SEE SHEET NO.'S 69 TO 76

FOR UNDERDRAIN QUANTITIES
SEE SHEET NO.'S 77 TO 79

FOR GUARDRAIL REPLACEMENT
DETAILS ON AUG-75-0754 L & R
SEE SHEET NO. 195

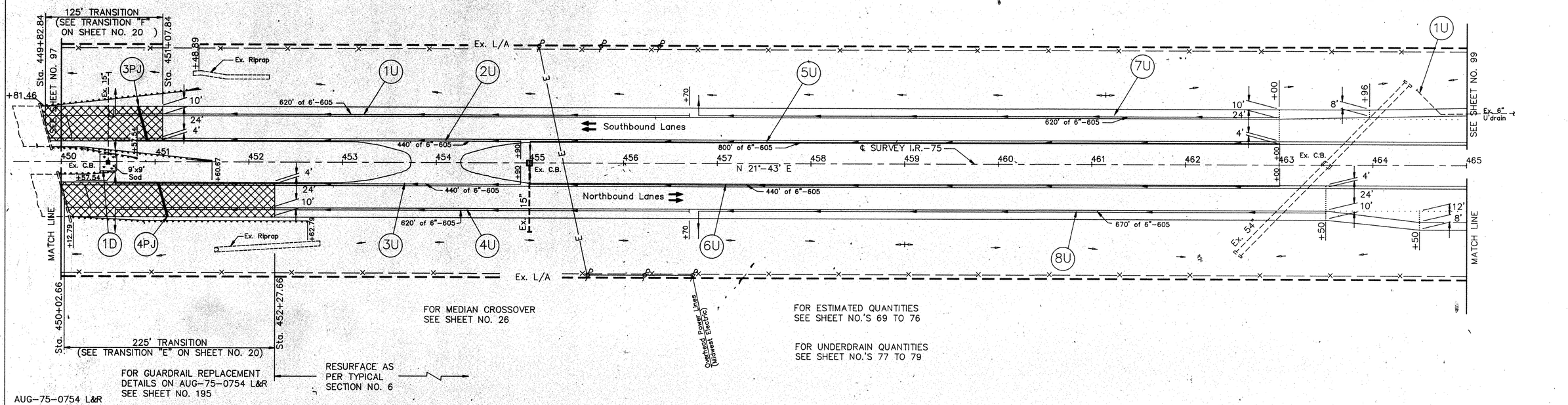
AUG-75-0754-L & R

| | | |

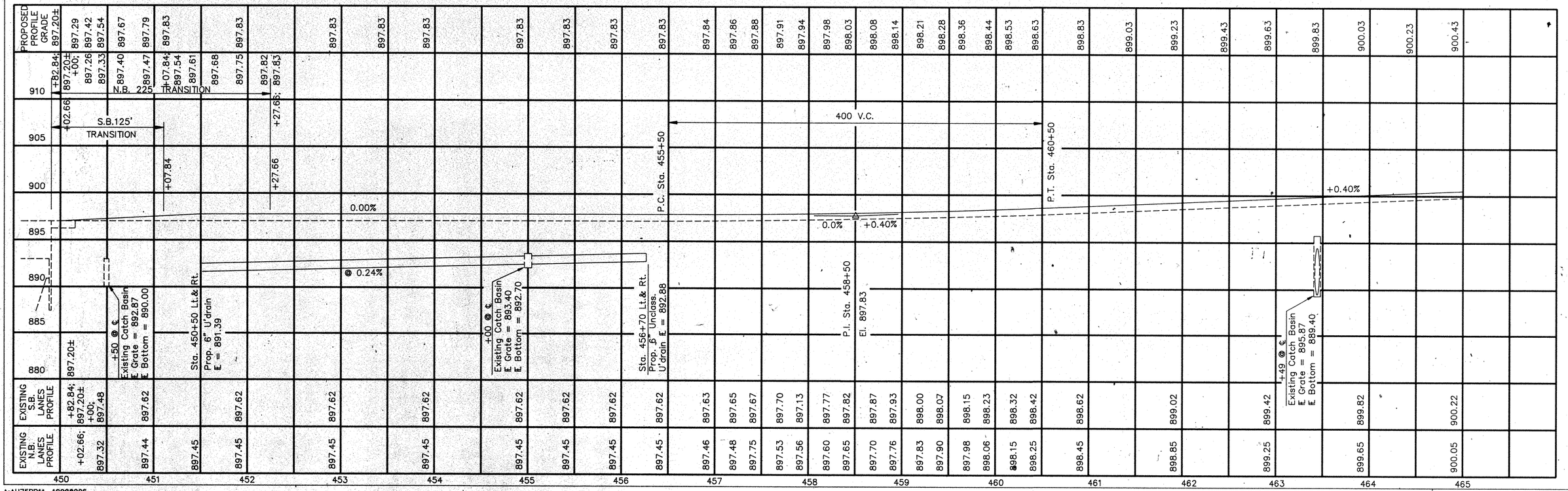
FHWA REGION	STATE	PROJECT	
5	OHIO		

98
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00



AUG–75–0754 L&R



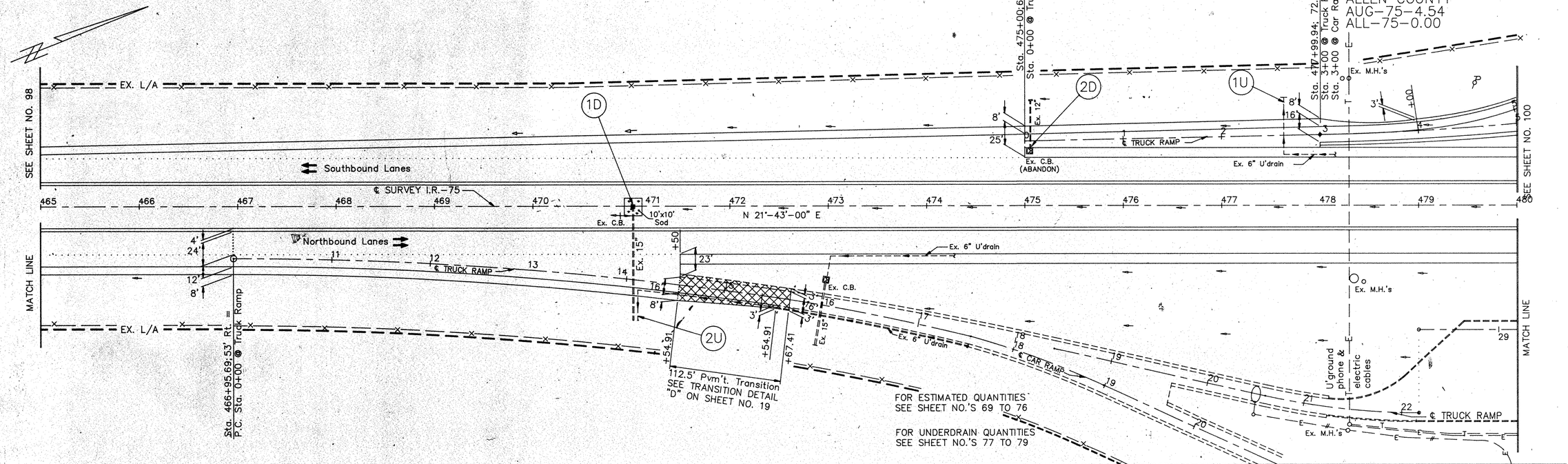
A:AU75PP11 19920206

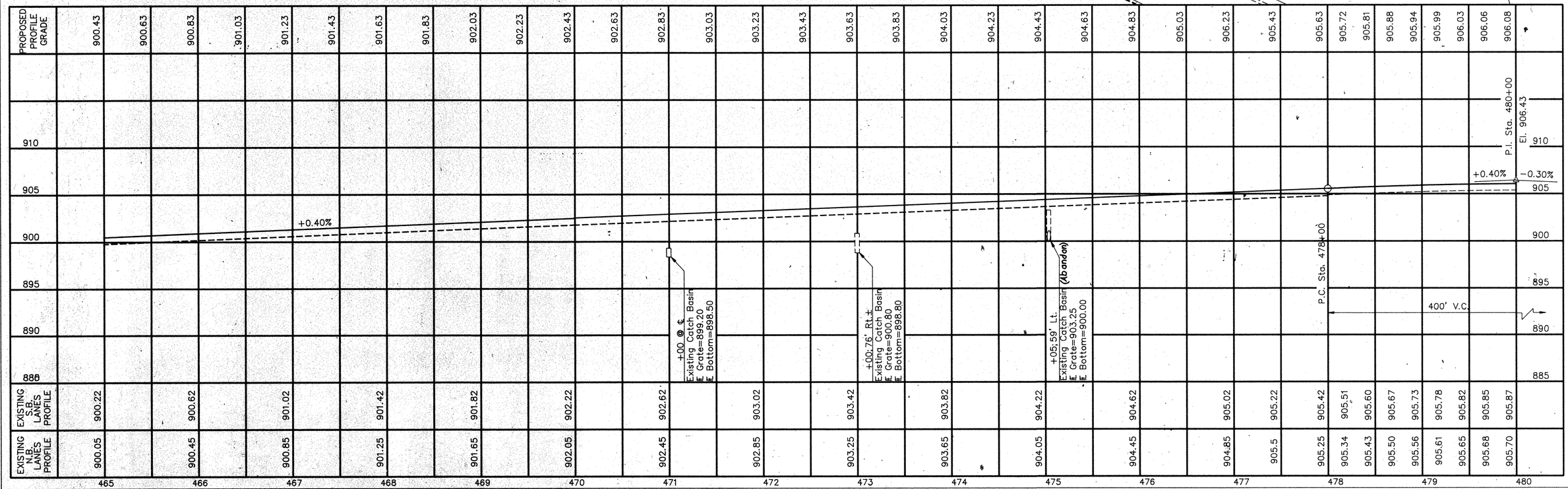
PLAN & PROFILE STA. 450+00 TO STA. 465+00

FHWA REGION	STATE	PROJECT	
5	OHIO		

99
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00





A:AU75PP12 19920206

PLAN & PROFILE STA. 465+00 TO STA. 480+00

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.64
ALL-75-0.00

FHWA REGION	STATE	PROJECT	
5	OHIO		

100
231

62.5' P.vm't. Transitions SEE TRANSITION DETAIL "C" ON SHEET NO. 19

SEE SHEET NO. 99

SEE SHEET NO. 101

MATCH LINE

MATCH LINE

℄ CAR RAMP

℄ Truck Ramp

℄ Cor Ramp

℄ SURVEY I.R.-75

N 21°-43'-00" E

Southbound Lanes

Northbound Lanes

Ex. C.B.

Ex. 6" U'drain

Ex. 12"

Ex. 15"

Ex. 18"

Ex. 10" F.T.

Ex. 4" F.T.

Ex. abandoned catch basin

Ex. C.B. (ABANDON)

Ex. Abandoned Catch Basin

EX. L/A

P.C. Sta. 13+33.62

P.T. Sta. 15+43.24

P.I. Sta. 491+66.75
Δ = 6°-26' Rt.

P.C. Sta. 485+22.74

P.T. Sta. 33+82.27

P.C. Sta. 33+03.37

P.C. Sta. 35+73.67

P.T. Sta. 39+67.05

Sta. 493+50; 66' Rt. = Sta. 42+64.34 @ Truck Ramp

RESURFACE AS PER TYPICAL SECTION NO. 6

RESURFACE AS PER TYPICAL SECTION NO. 11

112.5' P.vm't. Transitions SEE TRANSITION DETAIL "D" ON SHEET NO. 19

CURVE DATA
P.I. = Sta. 491+66.75
Δ = 6°-26' Rt.
Dc = 0°-30'
T = 644.01'
L = 1286.67'
E = 18.08'
Rc = 11,459.16'
P.C. = Sta. 485+22.74
P.T. = Sta. 498+09.41

FOR ESTIMATED QUANTITIES SEE SHEET NO.'S 69 TO 76

FOR UNDERDRAIN QUANTITIES SEE SHEET NO.'S 77 TO 79

PROPOSED PROFILE GRADE	906.08	906.08	906.08	906.07	906.04	906.00	905.96	905.90	905.83	905.68	905.53	905.38	905.23	904.93	904.63	904.33	904.03	903.73	903.43	903.13	902.83	902.53	902.23	901.93
920																								
915																								
910																								
905	+0.40%	-0.30%	Prop. Profile																					
900									Exist. Profile										-0.03%					
895			400'V.C.					P.T. Sta.482+00					+00; 76' Rt. Existing Catch Basin E Grate = 902.36 E Bottom = 900.95	+00; 76' Rt. Existing Catch Basin E Grate = 902.36 E Bottom = 900.95			+46; 70' Lt. Existing Catch Basin E Grate = 900.50 E Bottom = 899.00			+45; 87' Lt. Existing Catch Basin E Grate = 898.8 E Bottom = 893.9					+45; 59' Rt. Existing Catch Basin E Grate = 901.39 E Bottom = 897.00		
890																								
EXISTING S.B. LANES PROFILE	905.87	905.87	905.87	905.86	905.83	905.79	905.75	905.69	905.62	905.47	905.32	905.17	905.02	904.17	904.42	904.12	903.82	903.52	903.22	902.92	902.62	902.32		901.72
EXISTING N.B. LANES PROFILE	905.70	905.70	905.70	905.69	905.66	905.62	905.58	905.52	905.45	905.30	905.15	905.00	904.85	904.55	904.25	903.95	903.65	903.35		902.75	902.45	902.15		901.55
	480			481				482		483			484	485		486	487	488	489	490	491	492	493	494	495						

P.I. Sta. 480+00
Elev. 906.43

+10' @ ℄ Existing Catch Basin E Grade = 899.44 E 6"-605 = 895.80 E Bottom = 893.18 (ABANDON)

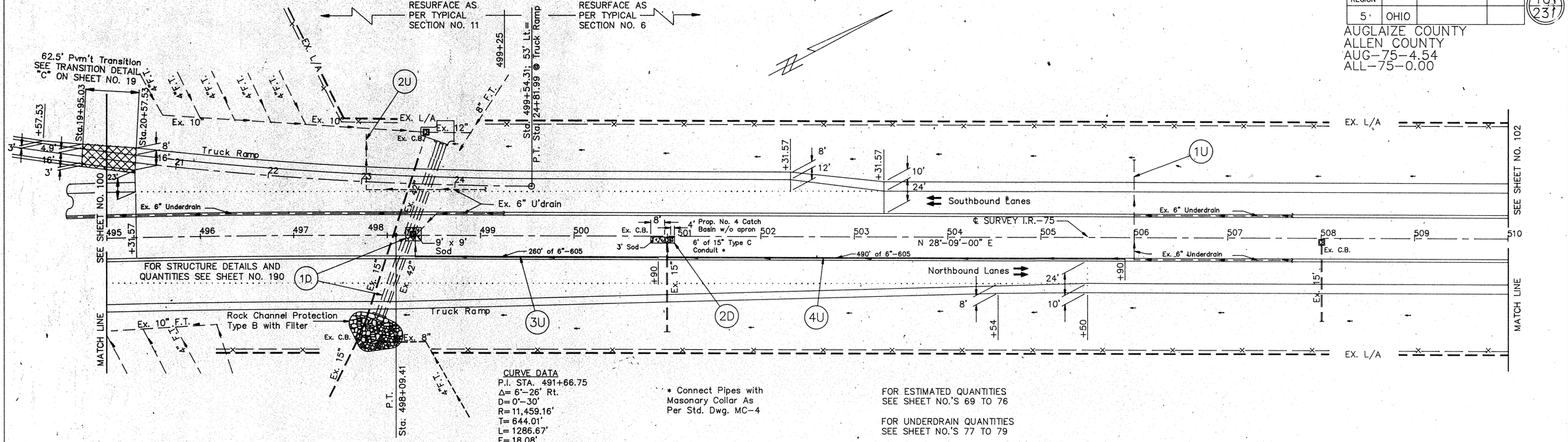
A:AU75PP13 19920207

PLAN & PROFILE STA. 480+00 TO STA. 495+00

FHWA REGION	STATE	PROJECT	
5	OHIO		

101
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

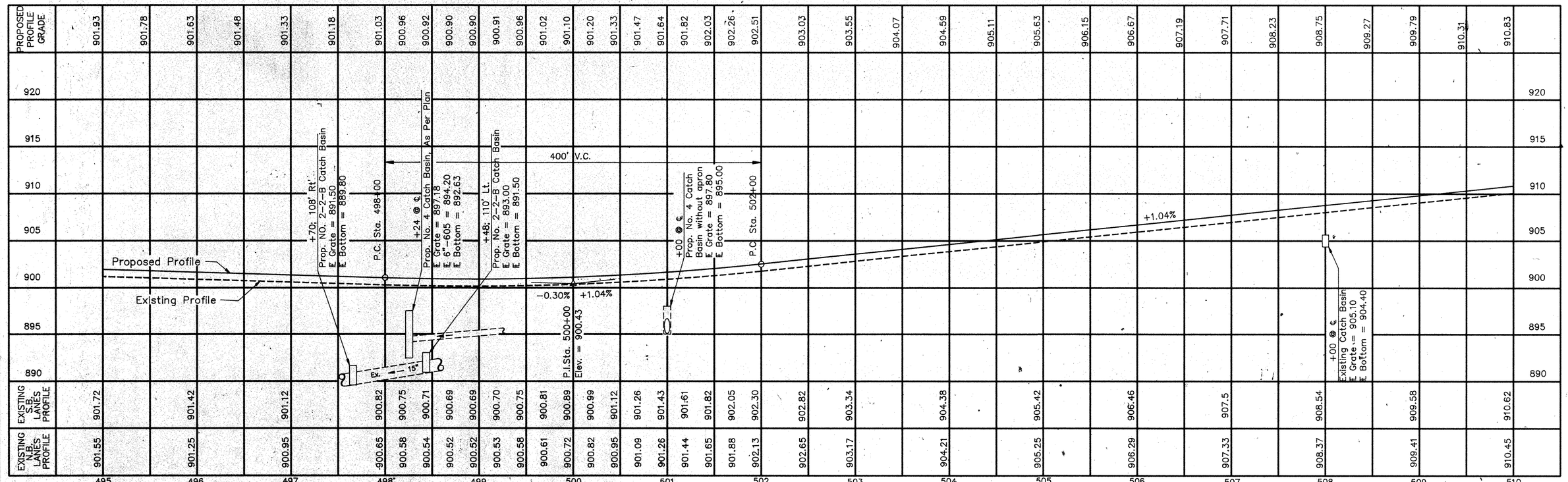


CURVE DATA
P.I. STA. 491+66.75
Δ= 6°-26' Rt.
D= 0°-30'
R= 11,459.16'
T= 644.01'
L= 1286.67'
E= 18.08'
P.C. = STA. 485+22.74
P.T. = STA. 498+09.41

* Connect Pipes with Masonary Collar As Per Std. Dwg. MC-4

FOR ESTIMATED QUANTITIES SEE SHEET NO.'S 69 TO 76

FOR UNDERDRAIN QUANTITIES SEE SHEET NO.'S 77 TO 79



A:AU75PP14 19920207

PLAN & PROFILE STA. 495+00 TO STA. 510+00

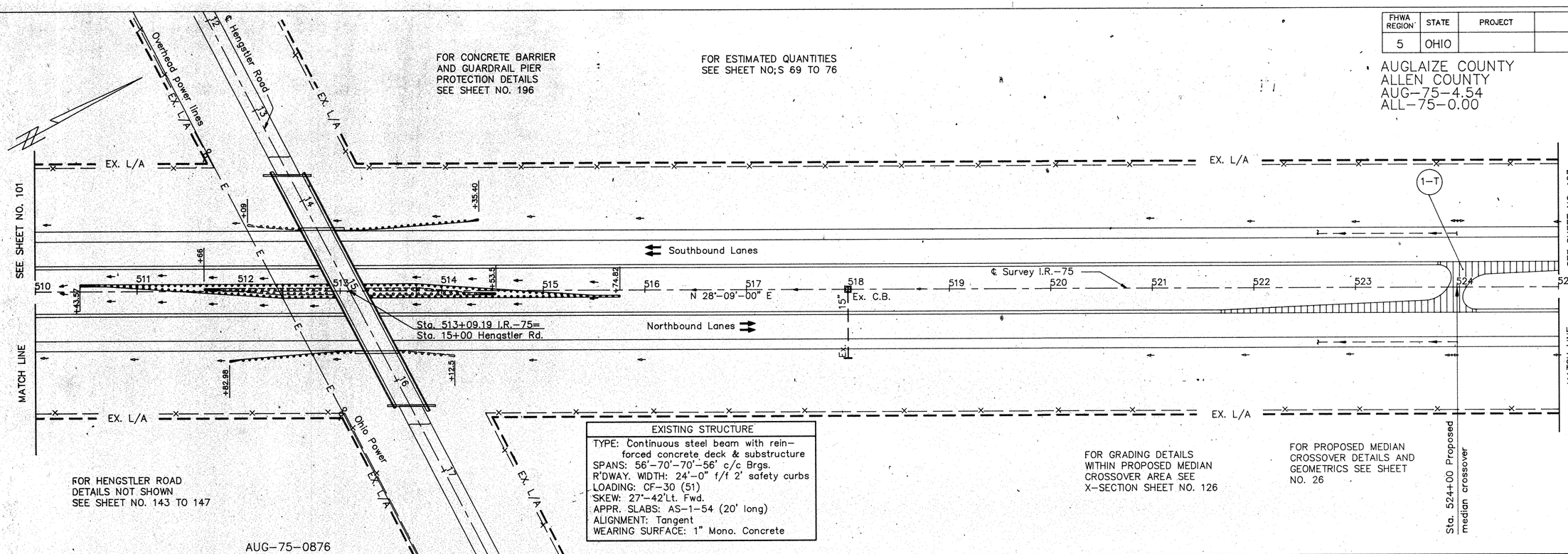
FHWA REGION	STATE	PROJECT	
5	OHIO		

102
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00

FOR CONCRETE BARRIER AND GUARDRAIL PIER PROTECTION DETAILS SEE SHEET NO. 196

FOR ESTIMATED QUANTITIES SEE SHEET NO;S 69 TO 76



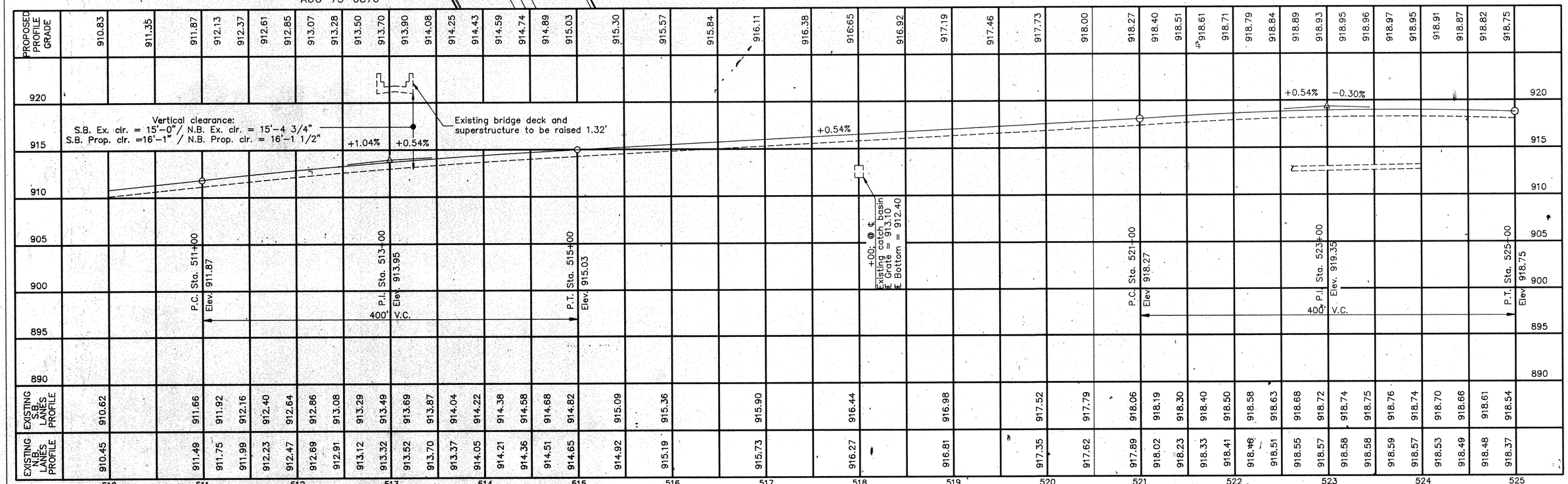
EXISTING STRUCTURE
TYPE: Continuous steel beam with rein–forced concrete deck & substructure
SPANS: 56'–70'–70'–56' c/c Brgs.
R'DWAY. WIDTH: 24'–0" f/f 2' safety curbs
LOADING: CF–30 (51)
SKEW: 27°–42'Lt. Fwd.
APPR. SLABS: AS–1–54 (20' long)
ALIGNMENT: Tangent
WEARING SURFACE: 1" Mono. Concrete

FOR HENGSTLER ROAD DETAILS NOT SHOWN SEE SHEET NO. 143 TO 147

FOR GRADING DETAILS WITHIN PROPOSED MEDIAN CROSSOVER AREA SEE X–SECTION SHEET NO. 126

FOR PROPOSED MEDIAN CROSSOVER DETAILS AND GEOMETRICS SEE SHEET NO. 26

AUG–75–0876



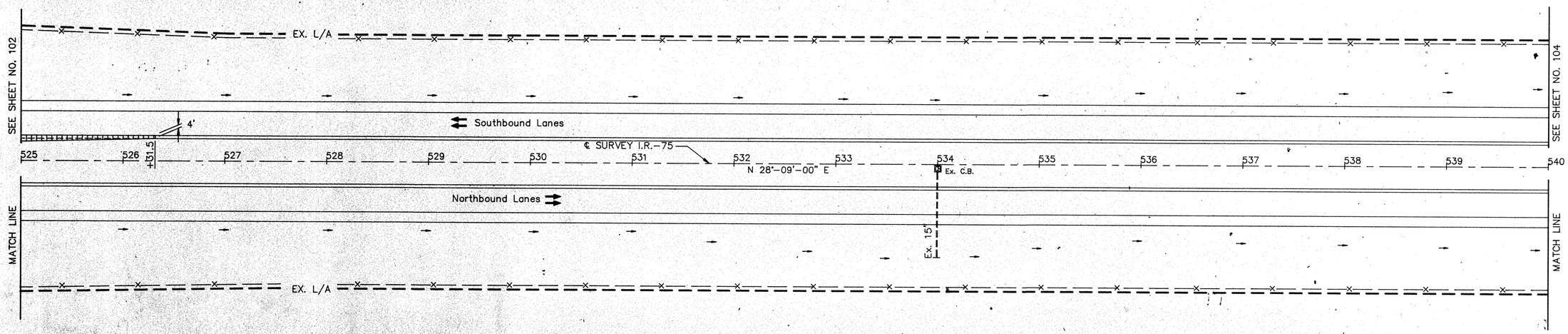
A:AU75PP15 19920207

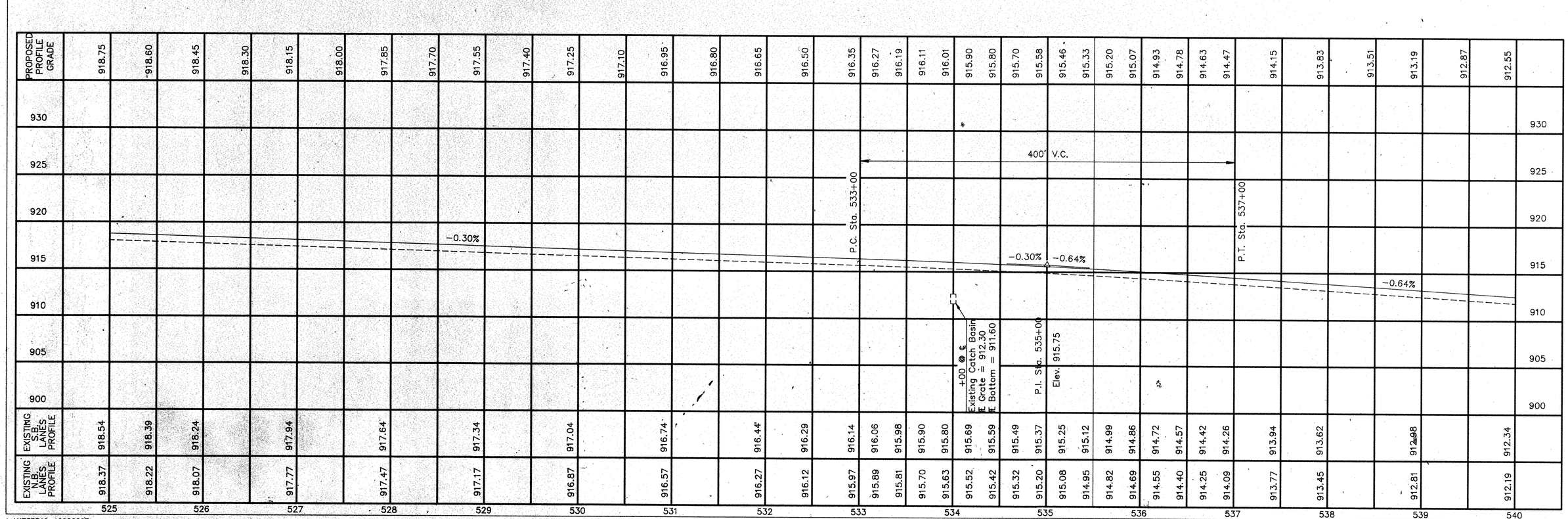
PLAN & PROFILE STA. 510+00 TO STA. 525+00

FHWA REGION	STATE	PROJECT	
5	OHIO		

103
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00





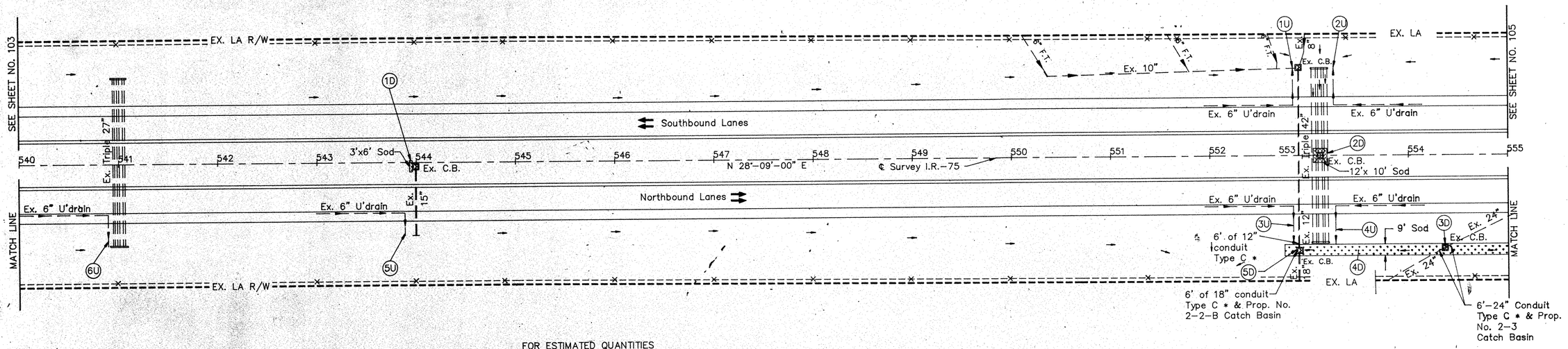
A:AU75PP16 19920207

PLAN & PROFILE STA. 525+00 TO STA. 540+00

FHWA REGION	STATE	PROJECT	
5	OHIO		

104
231

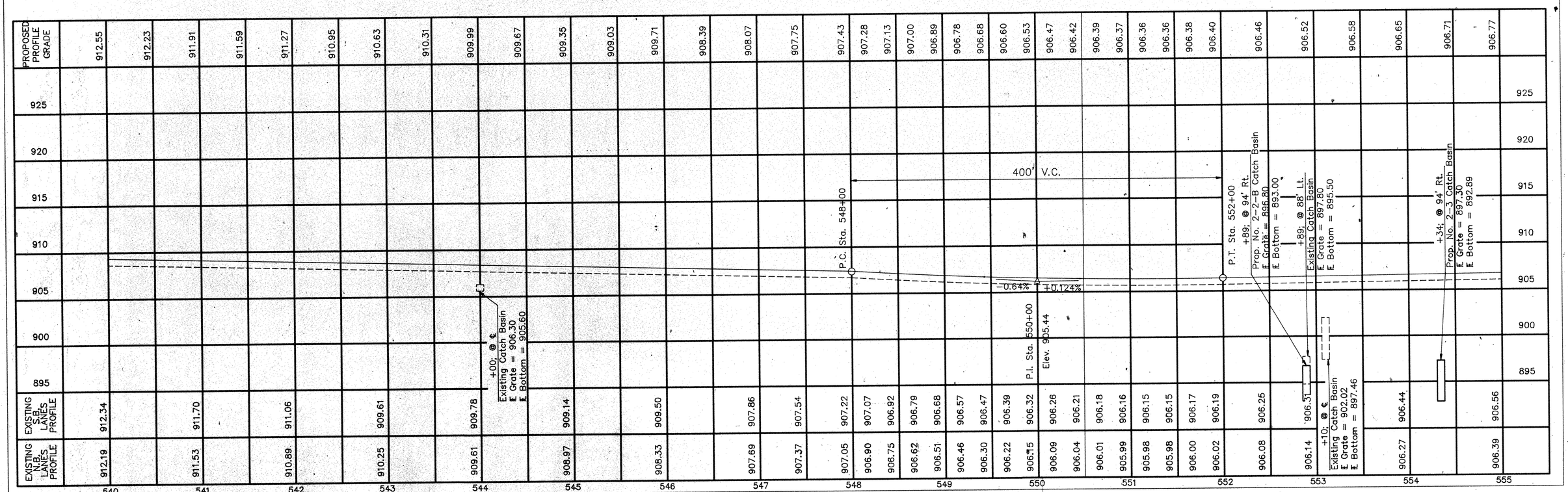
AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00



FOR ESTIMATED QUANTITIES
SEE SHEET NO.'S 69 TO 76

FOR UNDERDRAIN QUANTITIES
SEE SHEET NO.'S 77 TO 79

* Connect pipes with masonary collar as per Std. Dwg. MC–4



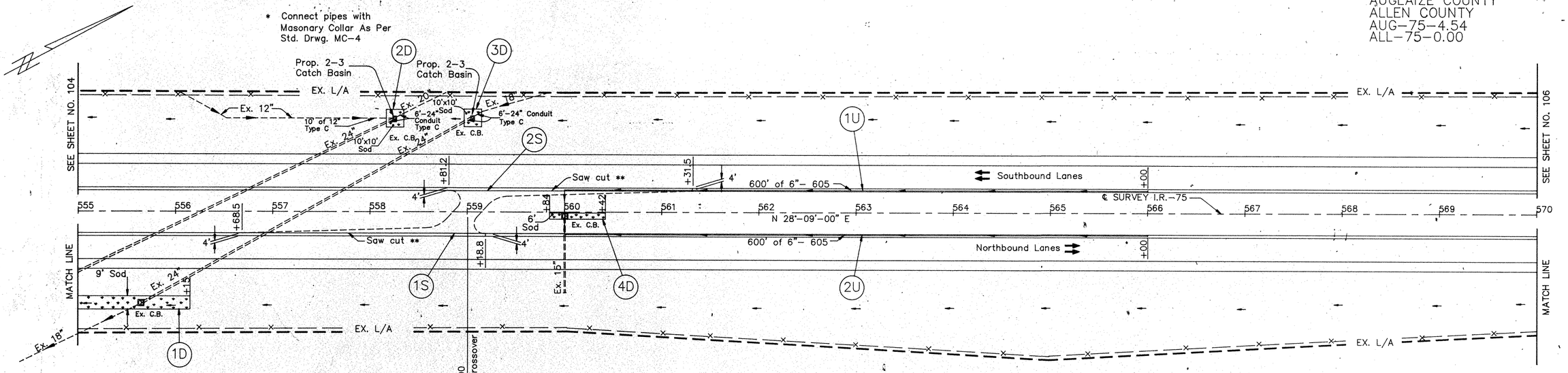
A:AU75PP17 19920210

PLAN & PROFILE STA. 540+00 TO STA. 555+00

FHWA REGION	STATE	PROJECT	
5	OHIO		

105
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00

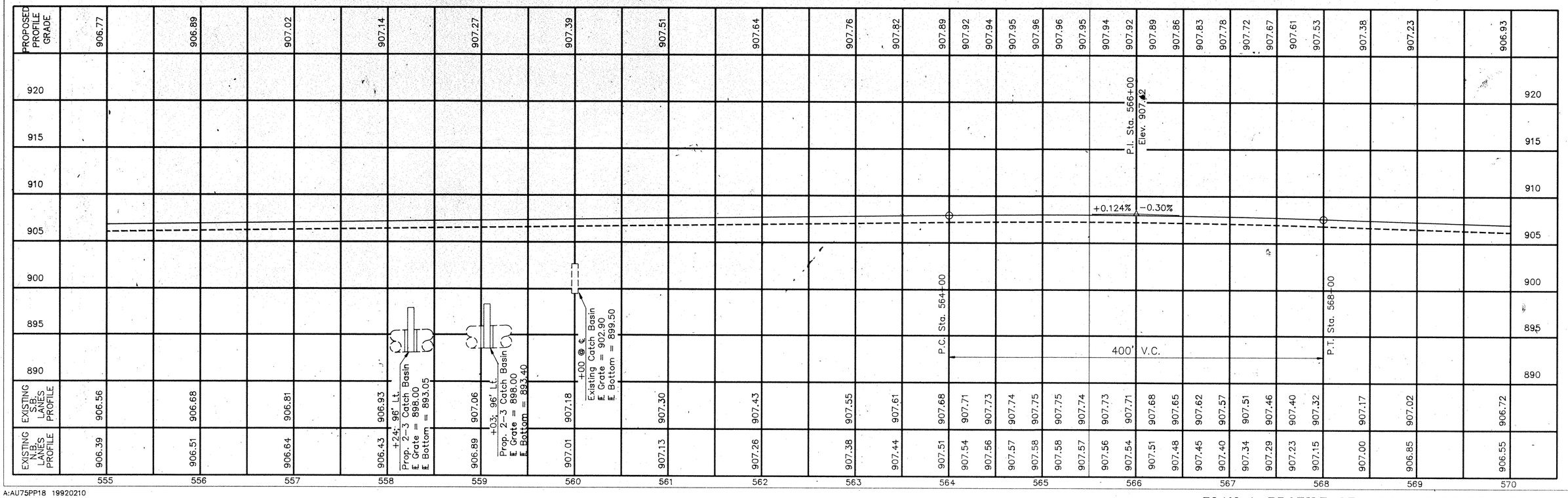


FOR GRADING DETAILS WITHIN MEDIAN CROSS–OVER REMOVAL AREA SEE X–SECTION SHEET NO. 127

** Saw cut to the depth of the existing asphalt pvm't. along the edge of the proposed berm prior to removal of existing median crossover pavement.

FOR ESTIMATED QUANTITIES SEE SHEET NO.'S 69 TO 76

FOR UNDERDRAIN QUANTITIES SEE SHEET NO.'S 77 TO 79



A:AU75PP18 19920210

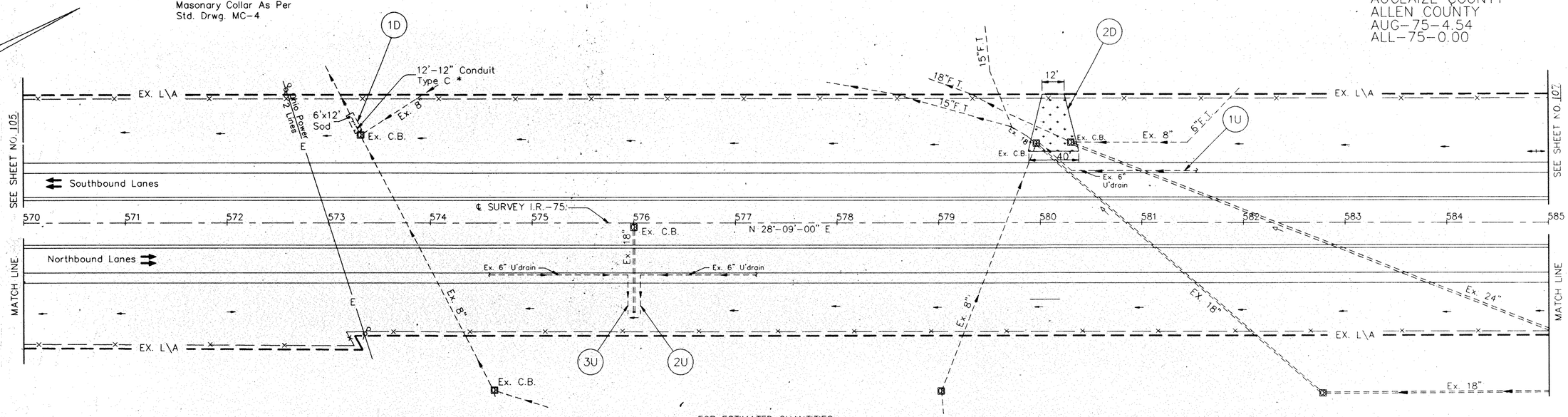
PLAN & PROFILE STA. 555+00 TO STA. 570+00

FHWA REGION	STATE	PROJECT	
5	OHIO		

106
2

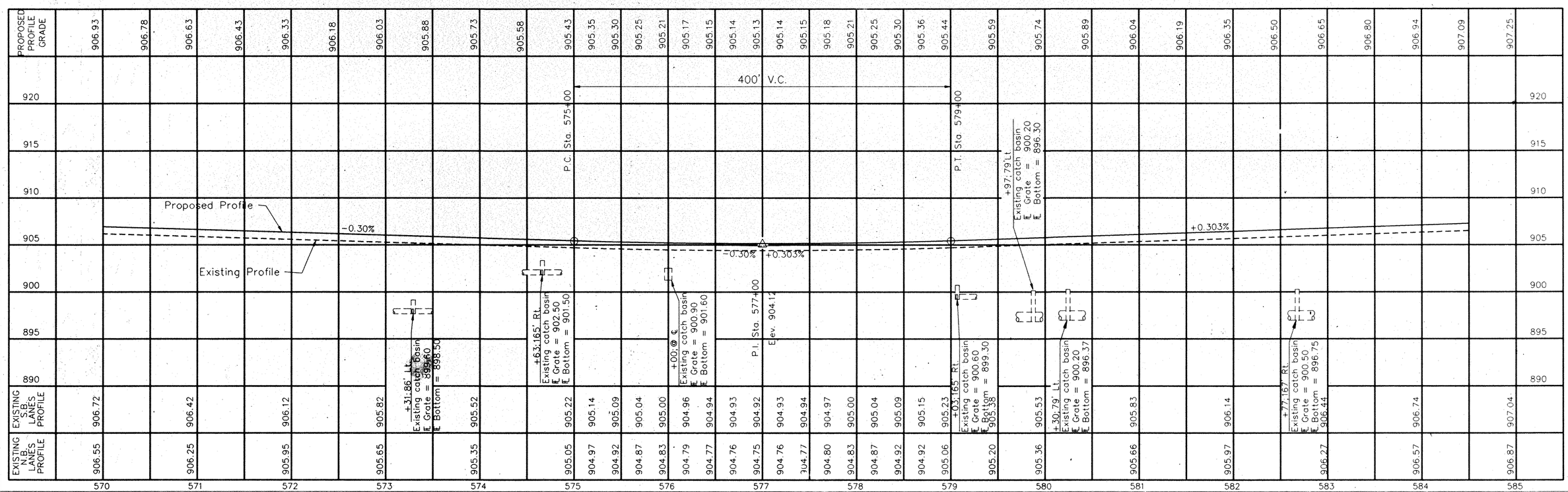
AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

* Connect pipes with Masonary Collar As Per Std. Drwg. MC-4



FOR ESTIMATED QUANTITIES
SEE SHEET NO.'S 69 To 76.

FOR UNDERDRAIN QUANTITIES
SEE SHEET NO'S 77 TO 79



A:AU75PP19 19911017

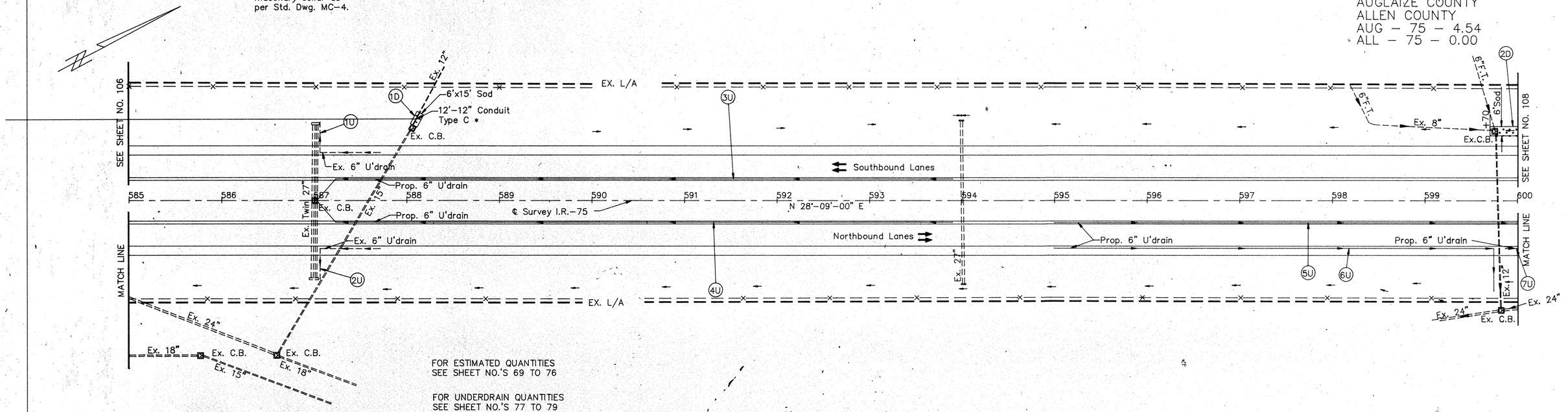
PLAN & PROFILE STA. 570+00 TO STA. 585+00

FHWA REGION	STATE	PROJECT	
5	OHIO		

107
231

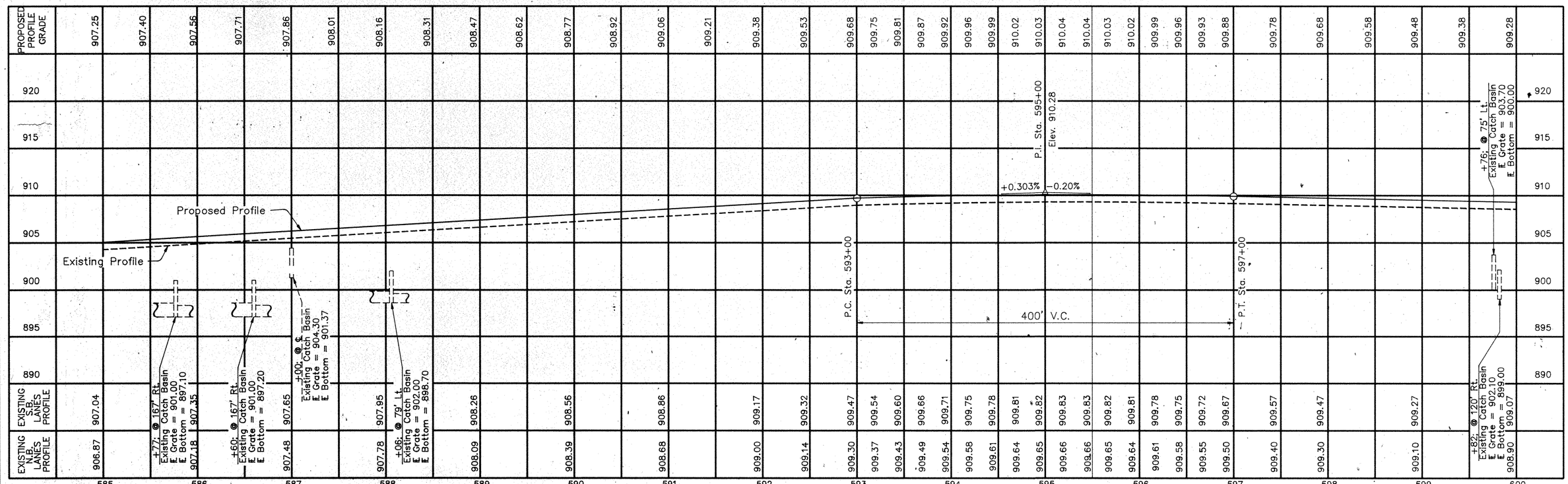
AUGLAIZE COUNTY
ALLEN COUNTY
AUG – 75 – 4.54
ALL – 75 – 0.00

* Connect pipes with masonary collar as per Std. Dwg. MC–4.



FOR ESTIMATED QUANTITIES
SEE SHEET NO.'S 69 TO 76

FOR UNDERDRAIN QUANTITIES
SEE SHEET NO.'S 77 TO 79



A:AU75PP20 19920210

PLAN &PROFILE STA. 585+00 TO STA. 600+00

FHWA REGION	STATE	PROJECT	
5	OHIO		

108
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00

600' Pavement Planing and Resurfacing
SEE PVM'T. PLANING DETAIL "AA" & "BB" ON SHEET NO. 25

FOR CONCRETE BARRIER AND GUARDRAIL PIER PROTECTION DETAILS SEE SHEET NO. 197

5D Ex. Catch Basin Reconstructed To Grade, As Per Plan

6D Ex. Catch Basin Reconstructed To Grade, As Per Plan

4D Prop. No. 4 Catch Basin without apron

Prop. No. 4 Catch Basin without apron

Sta. 602+87.54 I.R.–75
Sta. 15+00 Buckland–Holden Rd.

SEE SHEET NO. 107

SEE SHEET NO. 109

MATCH LINE

MATCH LINE

Southbound Lanes

Northbound Lanes

℄ SURVEY I.R.–75

N 28°–09'–00" E

6' of 24" Type A Conduit @ each side of Catch Basin

4'–18" Conduit; Type C *

4'–12" Conduit; Type C *

4'–15" Conduit; Type C *

4'–8" Conduit; Type C * &
Prop. No.2–2–B Catch Basin
4'–18" Conduit; Type C *

8" Type A Conduit

6'–24" Conduit; Type C *

Ex. 6" U'drain

Abandoned C.B.

Ex. C.B.

100' of 6"–605

90' of 6"–605

280' of 6"–605

120' of 6"–605

467' of 6"–605

377' of 6"–605

16' Sod

6'Sod

(O'head phone lines)

(O'head power lines)

E. O'head power lines

Ex. 12" F.I.

4" F.I.

Twin 24"

Ex. 18"

Ex. 24"

Ex. 15"

Ex. 12"

Ex. 8"

Ex. 10"

Ex. 6" U'drain

Ex. C.B.

Ex. L/A

T.

E.

L.

1D 3U 9U 10U 1U 12U

5U 7U 6U 4U 8U 2D 11U 2U 13U 3D

AUG–75–1047

FOR ADDITIONAL DRAINAGE DETAILS AND ESTIMATED QUANTITIES SEE SHEET NO. 128 AND 129

* Connect pipes with Masonry Collar As Per Std. Drwg. MC–4

FOR ESTIMATED QUANTITIES SEE SHEET NO'S. 69 TO 76

FOR UNDERDRAIN QUANTITIES SEE SHEET NO.'S 77 TO 79

	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615
PROPOSED PROFILE GRADE	909.28	909.08	908.88	908.78	908.68	908.58	908.48	908.47	908.46	908.46	908.47	908.48	908.51	908.55	908.58	908.70
EXISTING S.B. LANES PROFILE	909.07	908.97	908.87	908.82	908.79	908.76	908.73	908.72	908.71	908.71	908.72	908.73	908.76	908.80	908.83	908.88
EXISTING N.B. LANES PROFILE	908.90	908.80	908.70	908.65	908.62	908.59	908.56	908.55	908.54	908.54	908.55	908.56	908.59	908.63	908.66	908.71

	606	607	608	609	610	611	612	613	614	615
PROPOSED PROFILE GRADE	908.83	908.95	909.08	909.33	909.58	909.73	909.88	910.03	910.18	910.33	910.48	910.63	910.78	910.93	911.08	911.23	911.38	911.45	911.52	911.59	911.64	911.69	911.75	911.80	911.83	911.87	911.90	911.92	911.94
EXISTING S.B. LANES PROFILE	908.94	909.00	909.07	909.22	909.37	909.67	909.97	910.27	910.57	910.87	911.02	911.17	911.24	911.31	911.38	911.43	911.48	911.54	911.59	911.62	911.66	911.69	911.71	911.73					
EXISTING N.B. LANES PROFILE	908.77	908.83	908.90	909.05	909.20	909.50	909.80	910.10	910.40	910.70	910.85	911.00	911.07	911.14	911.21	911.26	911.31	911.37	911.42	911.45	911.49	911.52	911.54	911.56					

Vertical Clearance:
S.B. Ex. clr. = 14'–10 3/4"; /N.B. Ex. clr. = 15'–0 1/2 "
S.B. Prop. clr. = 15'–1 3/4" / N.B. Prop.clr. = 15'–1 1/2"

400' V.C.

P.C. Sta. 601+00

P.T. Sta. 605+00

P.I. Sta. 614+00
Elev. 911.98

P.C. Sta. 612+00

400' V.C.

Proposed Profile

Existing Profile

GRAPHIC GRADE

–0.20%

+0.30%

+0.30%

0.00%

@ 0.40%

600' Pavement Planing
SEE PVM'T PLANING DETAILS "AA"& "BB" ON SHEET NO. 25

+00 @ ℄ Prop. No. 4 Catch Basin ℄ Grade 906.0, ℄ Bottom & Prop. 15" 903.30

+00 @ ℄ Existing catch basin Reconstructed to grade as per plan, ℄ Bottom 902.80 ℄ Grade 904.90 Elev. Top 908.89±

+89; 140' Rt. Existing catch basin ℄ Grade = 902.80 ℄ Bottom = 899.40±

P.I. Sta. 603+00 Elev. 908.68

+19; 106' Rt. Prop. 2–2–B Catch Basin ℄ Grade 902.80 ℄ Bottom= 899.63

+50 @ ℄ Existing catch basin Reconstructed to grade as per plan ℄ Grade 906.05 ℄ Bottom 903.50 Elev. Top 908.96±

+75; 90' Lt. Existing catch basin ℄ Grade= 903.55 ℄ Bottom= 900.55

+75; 88' Rt. Existing catch basin ℄ Grade= 902.70 ℄ Bottom= 899.76

+00 @ ℄ Prop. No. 4 Catch Basin ℄ Grade= 905.90 ℄ Bottom= 903.31

+43; 90' Rt. Prop. 2–2–B Catch Basin ℄ Grade= 903.00 ℄ Bottom= 900.21

+00 @ ℄ Existing catch basin ℄ Grade = 906.97 ℄ Bottom = 903.73

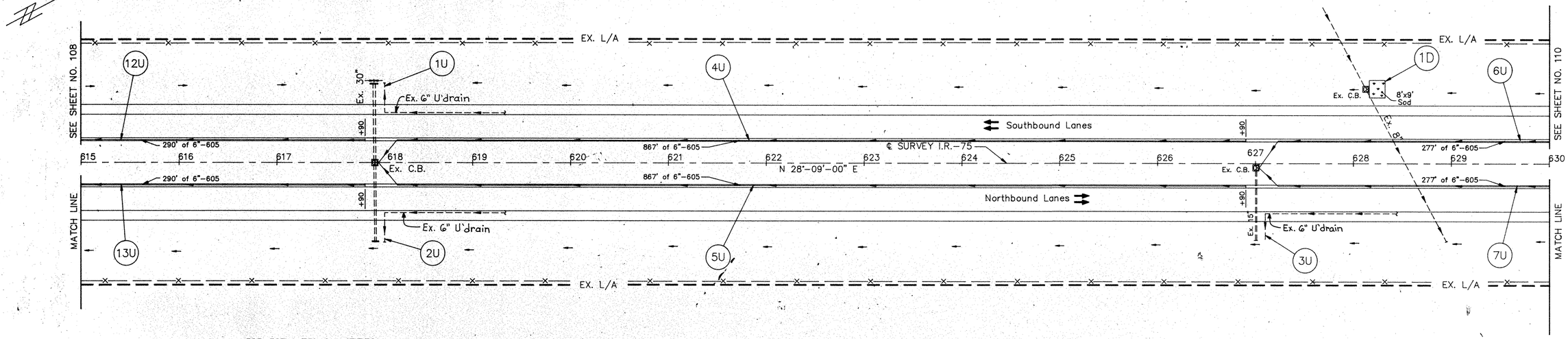
A:AU75PP21 19920213

PLAN & PROFILE STA. 600+00 TO STA. 615+00

FHWA REGION	STATE	PROJECT	
5	OHIO		

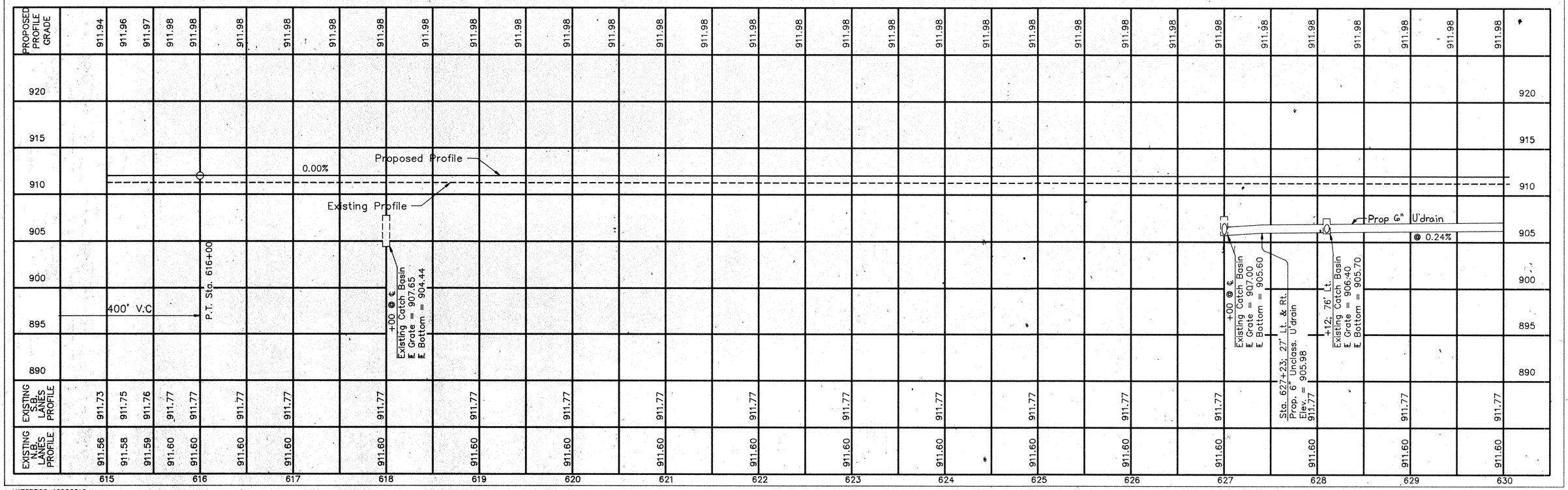
109
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00



FOR ESTIMATED QUANTITIES
SEE SHEET NO.'S 69 TO 76

FOR UNDERDRAIN QUANTITIES
SEE SHEET NO.'S 77 TO 79



A:AU75PP22 19920210

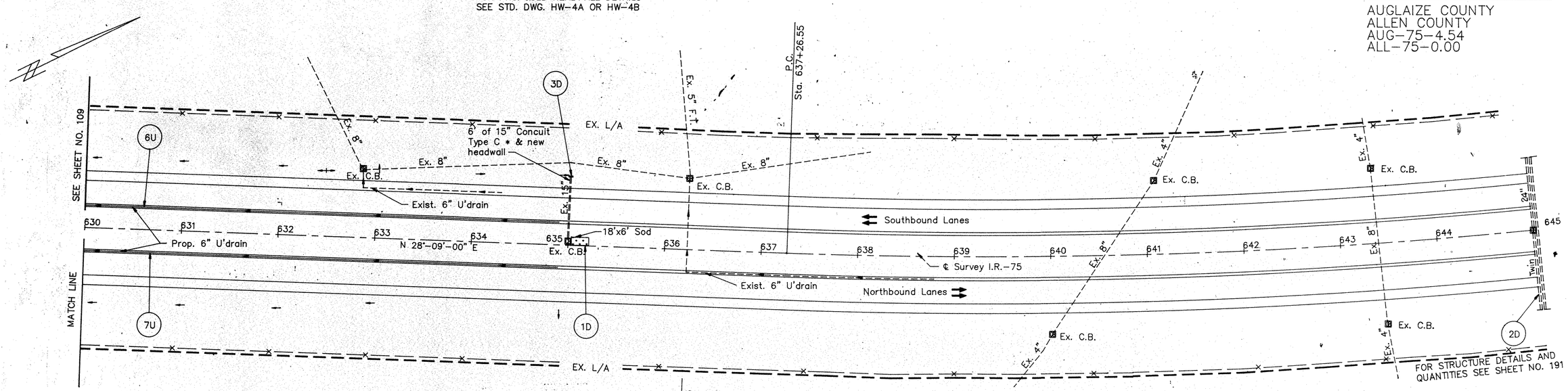
PLAN & PROFILE STA. 615+00 TO STA. 630+00

FHWA REGION	STATE	PROJECT	
5	OHIO		

110
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

FOR PROPOSED HEADWALL DETAILS
SEE STD. DWG. HW-4A OR HW-4B



FOR ESTIMATED QUANTITIES
SEE SHEET NO.'S 69 TO 76

FOR UNDERDRAIN QUANTITIES
SEE SHEET NO.'S 77 TO 79

Connect pipes with masonary collar as per Std. Dwg. MC-4.

RESURFACE AS PER TYPICAL SECTION NO. 6

Sta. 636+23

RESURFACE AS PER TYPICAL SECTION NO. 11

P.I. Sta. 651+14.45
Δ = 27°-14' Lt. D = 1°-00'
T = 1387.90' L = 2723.33'
E = 165.70' R = 5729.58'
P.C. Sta. 637+26.55
P.T. Sta. 664+49.88 Back =
Sta. 660+47.66 Ahead

	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645
PROPOSED PROFILE GRADE	911.98	911.98	911.98	911.98	911.98	911.98	911.98	911.98	911.98	911.98	911.99	912.00 912.01	912.03 912.05	912.07 912.10	912.13 912.17	912.21 912.25	912.30 912.35	912.40 912.46	912.58	912.70	912.82	912.94	913.06	913.18	913.30	913.42	913.54	913.66	913.78	913.90	914.02
EXISTING S.B. LANES PROFILE	911.77		911.77		911.77		911.77		911.77		911.77	911.79 911.80	911.82 911.84	911.86 911.89	911.92 911.96	912.00 912.04	912.09 912.14	912.19 912.25	912.37	912.49	912.61		912.85		913.09		913.33		913.57		913.81
EXISTING N.B. LANES PROFILE	911.60		911.60		911.60		911.60		911.60		911.61	911.62 911.63	911.65 911.67	911.69 911.72	911.75 911.79	911.83 911.87	911.92 911.97	912.02 912.08	912.20	912.32	912.44		912.68		912.92		913.16		913.40		913.64

925
920
915
910
905
900
895

Proposed Profile
Existing Profile
0.00%
@ 0.24 %
P.C. Sta. 634+50
400' V.C.
0.00%
+0.24%
P.T. Sta. 638+50
P.I. Sta. 638+50
Elev. 911.98

Prop. 6" U'drain
Sta. 634+90 @ 25' Lt. & Rt.
Prop. 6" Unclass U'drain 24" deep Elev. = 907.82

+86; @ 7' Lt.
Existing Catch Basin
℄ Grate = 908.00
℄ Bottom = 905.50

+00; @ ℄
Existing Catch Basin
℄ Grate = 908.37
℄ Bottom = 907.70

+23; @ 73' Lt.
Existing Catch Basin
℄ Grate = 907.00
℄ Bottom = 906.00

+00; @ 82' Rt.
Existing Catch Basin
℄ Grate = 907.50
℄ Bottom = 906.20

+06.5; @ 77' Lt.
Existing Catch Basin
℄ Grate = 907.00
℄ Bottom = 904.80

+35; @ 80' Lt.
Existing Catch Basin
℄ Grate = 907.00
℄ Bottom = 905.80

+43; @ 82' Rt.
Existing Catch Basin
℄ Grate = 907.50
℄ Bottom = 906.20

+00; @ ℄
Prop. No. 4 Catch Basin without apron
℄ Grate = 910.67
℄ Bottom = 907.09

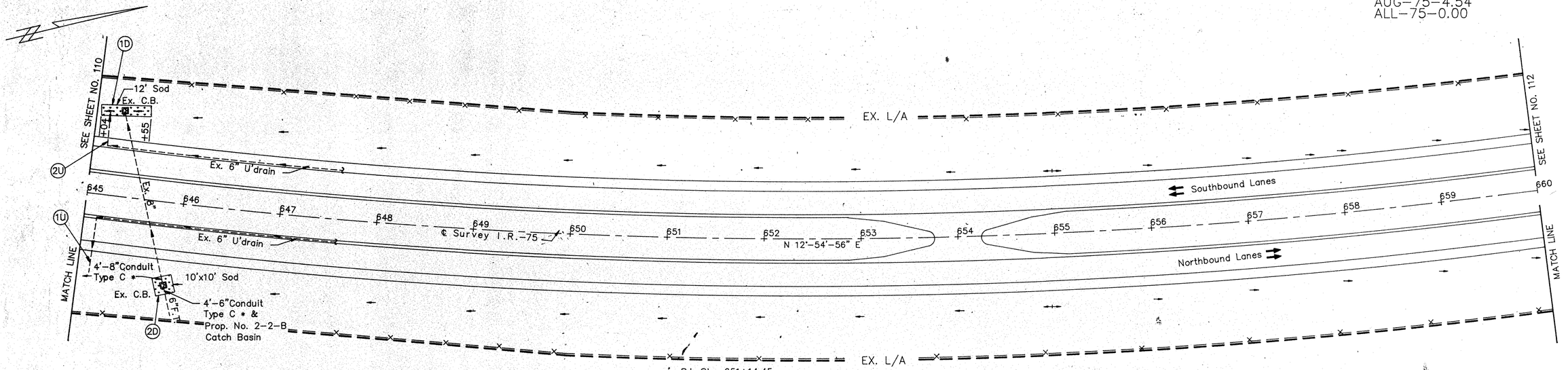
A:AU75PP23 19920213

PLAN & PROFILE STA. 630+00 TO STA. 645+00

FHWA REGION	STATE	PROJECT	
5	OHIO		

111
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00



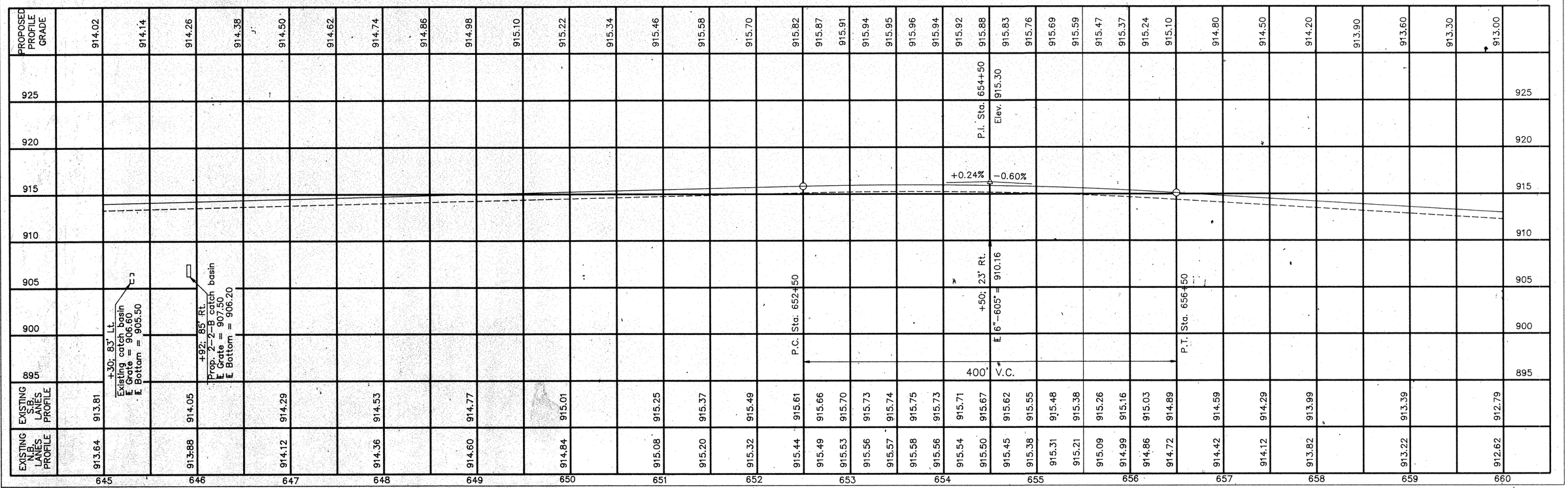
* Connect pipes with masonary collar as per Std. Dwg. MC–4

FOR ESTIMATED QUANTITIES
SEE SHEET NO.'S 69 TO 76

FOR UNDERDRAIN QUANTITIES
SEE SHEET NO.'S 77 TO 79

P.I. Sta. 651+14.45
Δ = 27°–14'–Lt. D = 1°–00'
T = 1387.90' L = 2723.33'
E = 165.70' R = 5729.58'
P.C. Sta. 637+26.55
P.T. Sta. 664+49.88 Back =
Sta. 660+47.66 Ahead

FOR MEDIAN CROSSOVER
SEE SHEET NO. 26



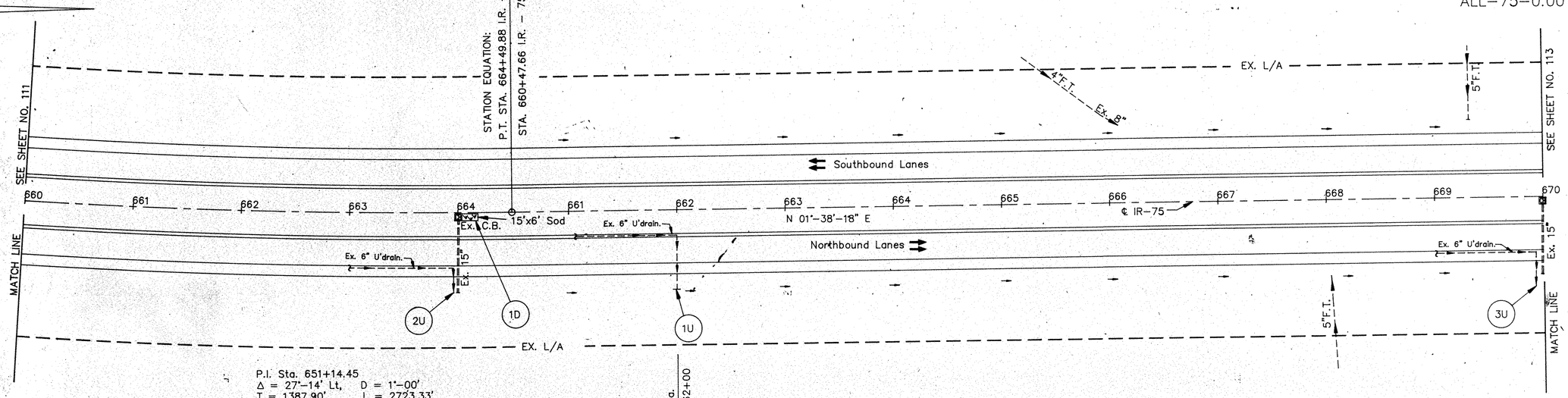
A:AU75PP24 19920213

PLAN & PROFILE STA. 645+00 TO STA. 660+00

FHWA REGION	STATE	PROJECT	
5	OHIO		

112
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00



P.I. Sta. 651+14.45
Δ = 27°-14' Lt, D = 1°-00'
T = 1387.90' L = 2723.33'
E = 165.70' R = 5729.58'
P.C. Sta. 637+26.55
P.T. Sta. 664+49.88 Back =
Sta. 660+47.66 Ahead

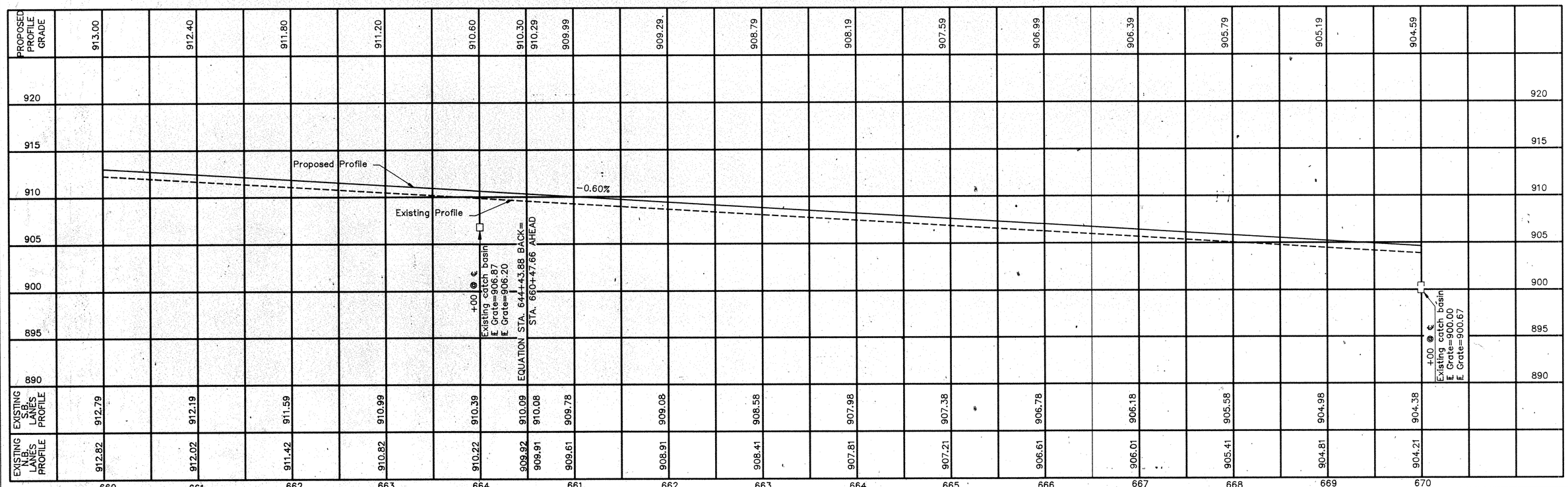
FOR ESTIMATED QUANTITIES
SEE SHEET NO'S. 69 TO 76

FOR UNDERDRAIN QUANTITIES
SEE SHEET NO'S. 77 TO 79

RESURFACE AS PER TYPICAL SECTION NO. 11

Sta. 662+00

RESURFACE AS PER TYPICAL SECTION NO. 6

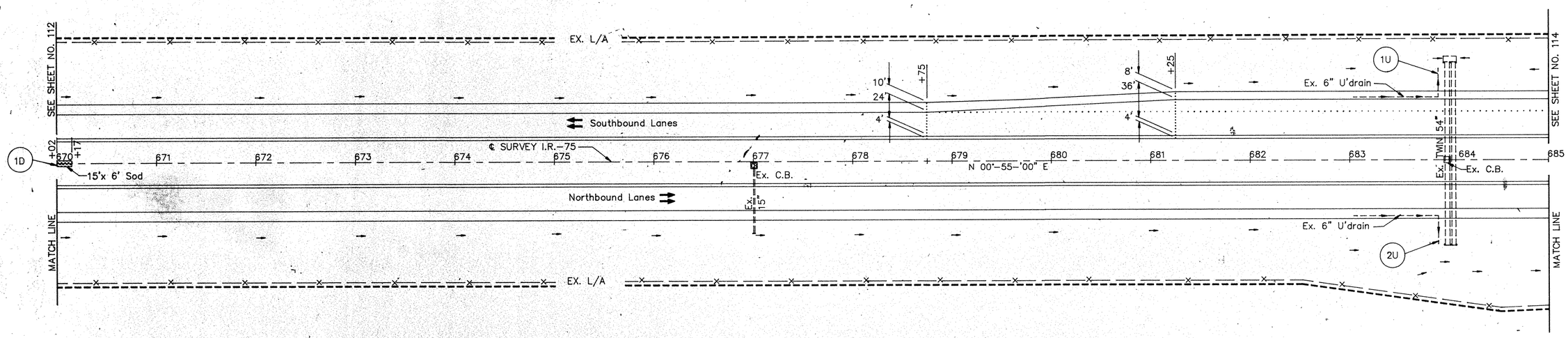


A:AU75PP25 19920214

PLAN & PROFILE STA. 660+00 TO STA. 670+00

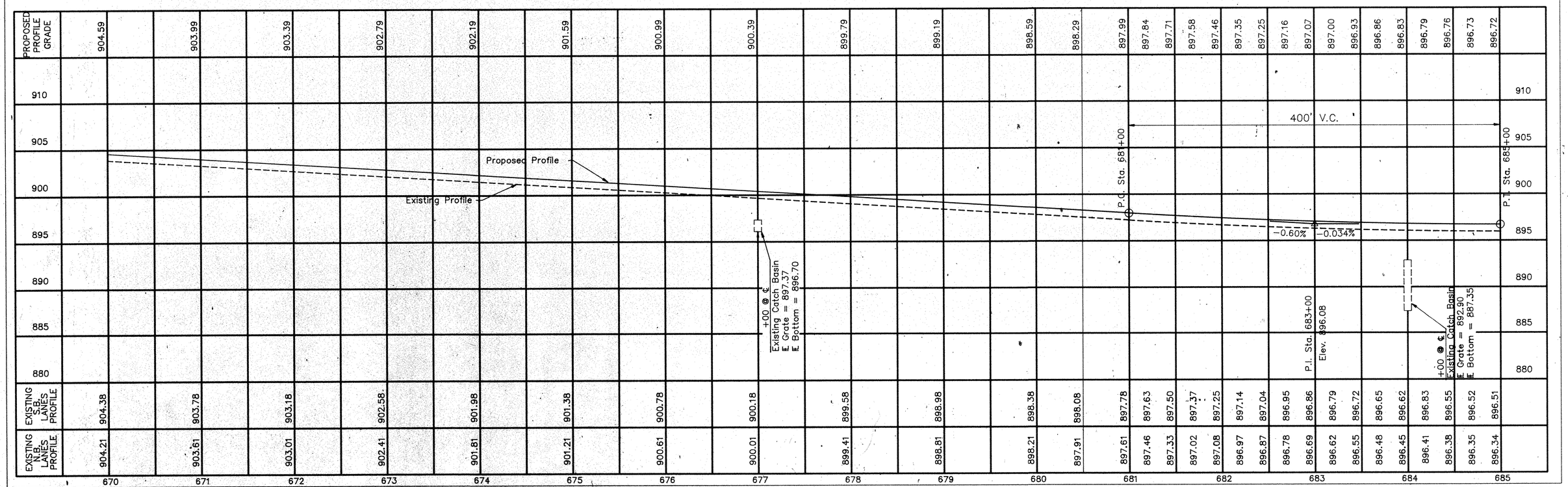
FHWA REGION	STATE	PROJECT	
5	OHIO		

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00



FOR ESTIMATED QUANTITIES
SEE SHEET NO.'S 69 TO 76.

FOR UNDERDRAIN QUANTITIES
SEE SHEET NO.'S 77 TO 79.



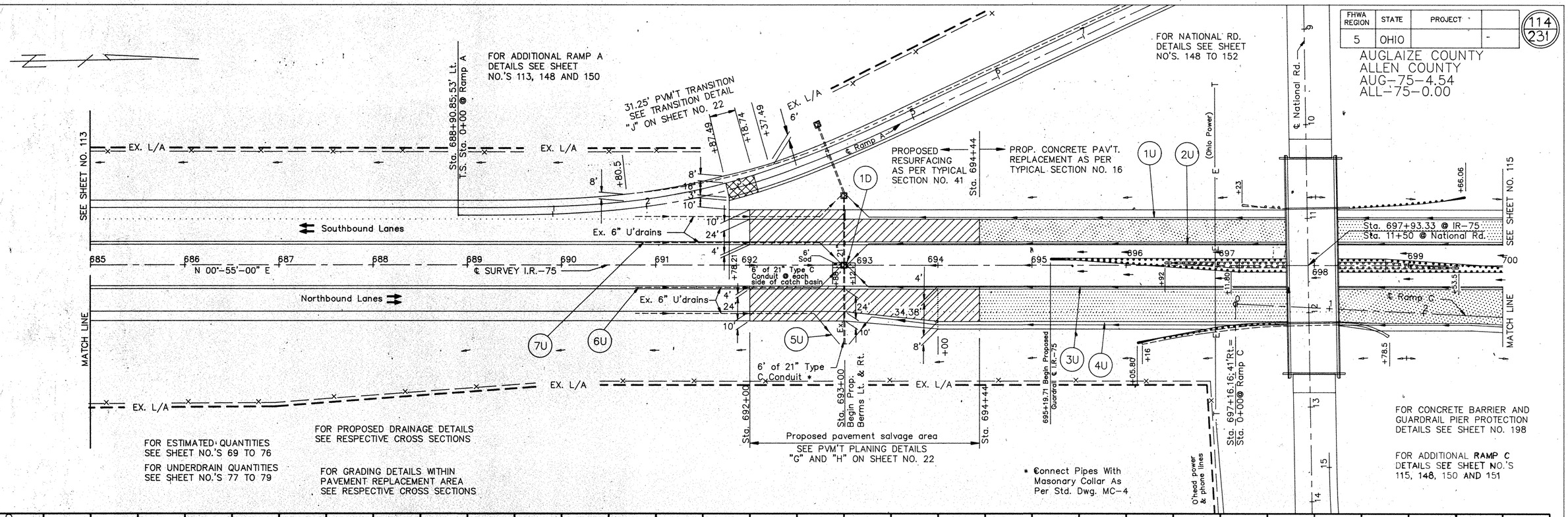
A:AU75PP26 19920210

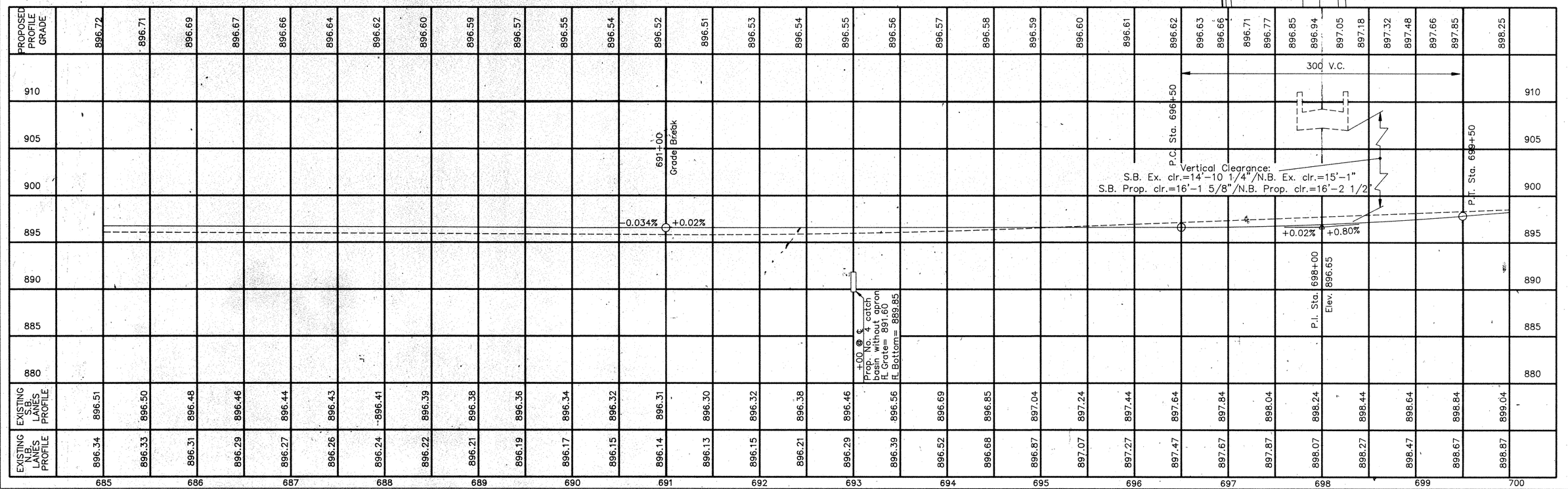
PLAN & PROFILE STA. 670+00 TO STA. 685+00

FHWA REGION	STATE	PROJECT		
5	OHIO			-

114
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00





A:AU75PP27 19920213

PLAN & PROFILE STA. 685+00 TO STA. 700+00

FHWA REGION	STATE	PROJECT	
5	OHIO		

115
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

Prop. Conc. Pvm't. Replacement As Per Typical Section No. 16

Prop. Resurfacing As Per Typical Section No. 6

Proposed pavement salvage area

SEE PVM'T PLANNING DETAILS "G" AND "H" ON SHEET NO. 22

31.25 Pvm't Transition SEE TRANSITION DETAIL "J" ON SHEET NO. 22

FOR ADDITIONAL RAMP B INFORMATION SEE SHEET NO'S. 114, 148 AND 150

FOR GRADING DETAILS WITHIN PAVEMENT REPLACEMENT AREA SEE RESPECTIVE CROSS SECTIONS.

RESURFACE AS PER TYPICAL SECTION NO. 6

RESURFACE AS PER TYPICAL SECTION NO. 18

Sta. 0+19.40; 41'Lt. ℄ Ramp B

Sta. 11+17.16

Sta. 1+50

Sta. 704+50

Sta. 701+54

700+75.96 End Proposed Guardrail ℄ I.R.-75

SEE SHEET NO. 114

SEE SHEET NO. 116

Ramp "B"

Ex. paved gutter

Exist. 6" Underdrain

℄ SURVEY I.R.-75

N 00°-55'-00" E

Southbound Lanes

Northbound Lanes

Ex. 6" U'drains

Ex. 6" U'drain

Ex.C.B.

Ex. 12"

EX. L/A

Exist. 6" Underdrain

10' Sod

MATCH LINE

MATCH LINE

Sta. 5+00

℄ Ramp C

℄ Ramp D

6' of 15" Type C Conduit **
Prop. No. 2-3 Catch Basin
6' of existing pipe and existing drop inlet to be removed and replaced.

Prop. No. 2-3 C. B.
℄ Grate = 892.5
℄ Botton = 890.2

** Connect Pipes With Masonory Collar As Per Std. Dwg. MC-4

Prop. Conc. Pvm't. Replacement As Per Typical Section No. 37

Prop. Resurfacing As Per Typical Section No. 36 & 39

Ex. 15"

FOR ADDITIONAL RAMP C DETAILS SEE SHEET NO'S. 114, 148, 150 AND 151

81.25' Pvm't Transition SEE TRANSITION DETAIL "K" ON SHEET NO. 23

FOR ADDITIONAL RAMP D DETAILS SEE SHEET NO'S. 116, 148, 150 AND 151

Sta. 707+83.87; 53' Rt. = S.T. Sta. 11+90.15 @ Ramp D

STATION EQUATION:
Sta. 708+84.08 Back=
Sta. 0+00.00 Ahead

AUGLAIZE COUNTY
ALLEN COUNTY

Sta. 0+00±

Sta. 1+50±

150' Pvm't. Transition * SEE TRANSITION DETAIL "B" ON SHEET NO..

* Actual location of proposed transition shall be adjusted if necessary to be compatable with the existing 150' feather.

FOR PROPOSED DRAINAGE DETAILS SEE RESPECTIVE CROSS SECTIONS

FOR ESTIMATED QUANTITIES SEE SHEET NO'S. 69 TO 76

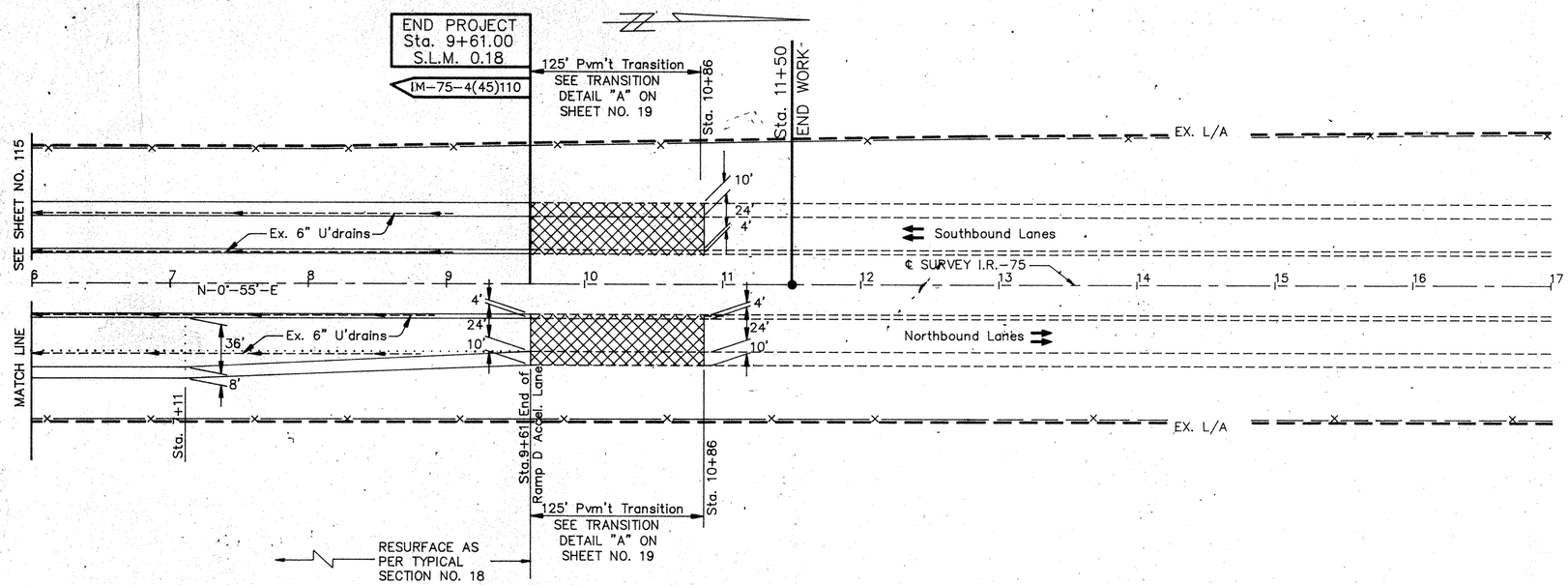
FOR UNDERDRAIN QUANTITIES SEE SHEET NO.'S 77 TO 79

| | | |

FHWA REGION	STATE	PROJECT	
5	OHIO		

116
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00



PROPOSED PROFILE GRADE	902.36	902.40	902.44	902.48	902.52	902.56	902.60	902.64	+61; 902.65 +75; 902.63	902.62	+25; 902.59	902.57	+75; 902.55 +86; 902.54																			
910																																910
905																																905
900					+0.08%																											900
895																																895
890																																890
885																																885
880																																880
EXISTING N.B. LANES PROFILE	902.15	902.19	902.23	902.27	902.31	902.35	902.39	902.43	+61; 902.44	902.47		902.51	+86; 902.54 902.55	902.59	902.63	902.67	902.71	902.75	902.79	902.83	902.87	902.91	902.95								

125' Pvm't Transition
SEE TRANSITION
DETAIL "A" ON
SHEET NO. 19

Butt Joint as per
Std. Dwg. BP–5

6 7 8 9 10 11 12 13 14 15 16 17

A:AU75PP32 19920213

PLAN & PROFILE STA. 6+00 TO STA. 17+00

F/F 13

FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		

117/231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

SEEDING END WIDTH	SEEDING SQ. YDS.
42	
117	
42	
117	
42	
117	
42	
117	
42	
117	
42	
73	
10	

	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL	SEEDING END WIDTH	SEEDING Sq. Yds.
	0	25			10	
			1	25		73
	2	28			42	
			1	29	117	
	0	34			42	
			4	21	117	
Sta. 318+75	8	11			42	
			2	7	117	
Sta. 318+66	3	31			42	
			2	19	117	
	3	30			42	
			2	31	117	
	0	35			42	
			0	30	117	
	0	28			42	
			0	24	117	
	0	23			42	
			0	17	117	
	0	12			42	
			0	11	117	
	0	10			42	
			0	5	117	
Sta. 317+00	0	0			42	

END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
0	0		
		0	3
Sta. 322+00	0	6	
		0	10
Sta. 321+75	0	15	
		0	19
	0	24	
		0	21
	0	20	
		0	20
	0	23	
		0	23
	0	26	
		0	24
	0	24	
		0	25
	0	29	
		0	27
	0	28	
		0	27
	0	30	
		0	26
Sta. 319+50	0	25	

Quantities carried to sheet no. 80	Cu. Yd.	Sq. Yd.	Ton
Excavation	12		
Embankment	444		
Seeding		2,369	
Fertilizer			0.2

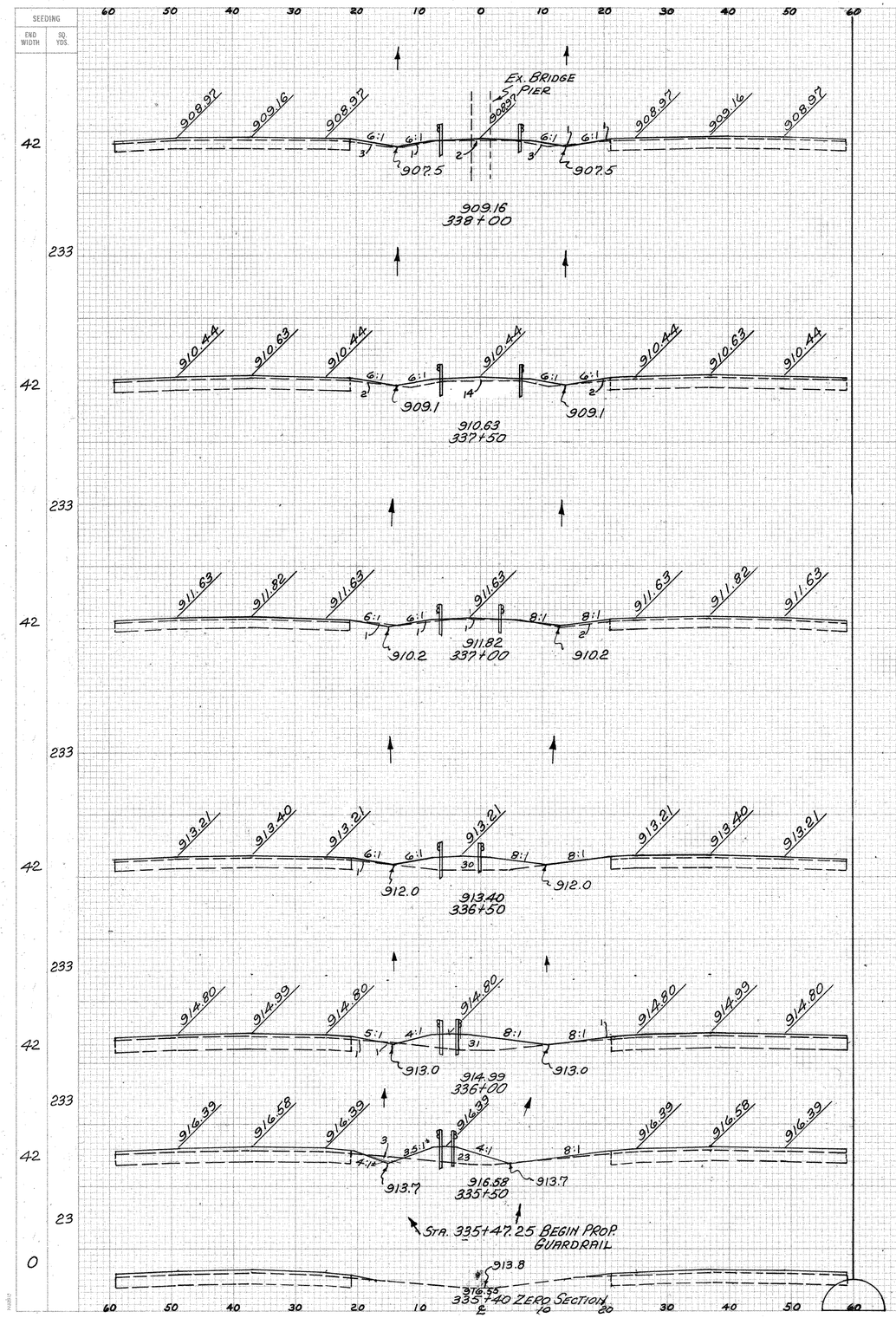
MEDIAN X-SECTIONS STA. 317+00 TO STA. 322+25 E I. R. 75

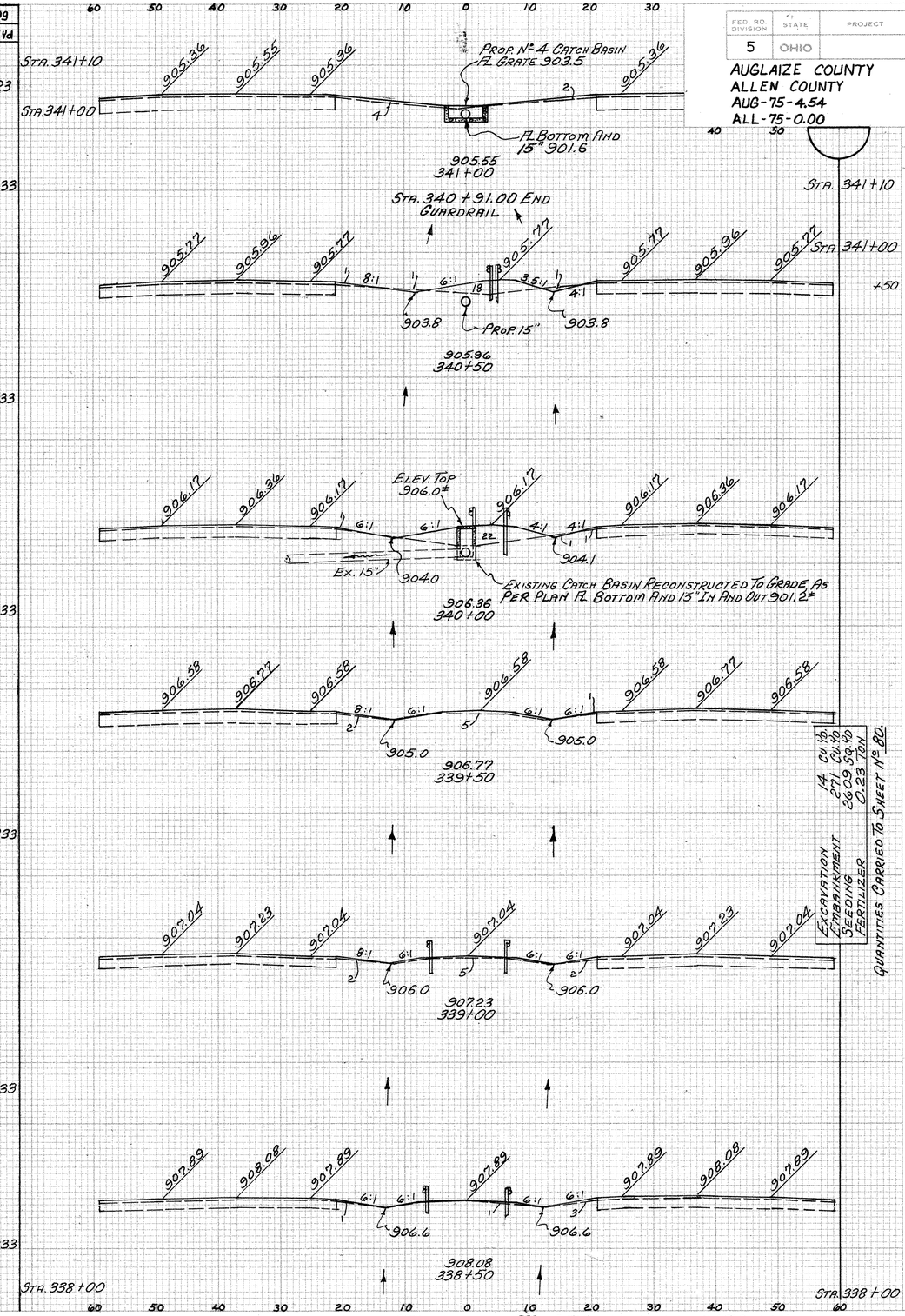
FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		

118
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

SEEDING END WIDTH	SEEDING SQ. YDS.	End Area Cut	End Area Fill	Volume Cut	Volume Fill
42	233	1	10	1	26
42	233	0	18	1	21
42	233	1	4	1	33
42	233	0	31	3	50
42	233	3	23	1	4
23	0	0	0		





	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
STA. 341+10	0	0		
			0	1
STA. 341+00	0	6		
+50	2	19	2	23
			3	40
			1	24
			1	30
			0	8
			0	16
			0	9
			0	13
			0	5
			1	14
STA. 338+00	1	10		

QUANTITIES CARRIED TO SHEET Nº 80:

EXCAVATION	14 CU. YD.
EMBANKMENT	271 CU. YD.
SEEDING	26.09 SQ. YD.
FERTILIZER	0.23 TON

I.R.-75 X-SECTION STA. 335+40 TO STA. 341+00 (MEDIAN)

FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

119
231

SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL	SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
42		2	18			0		0	0		
	117			1	18		59	1	19	1	5
42		0	19			42					
	117			3	13		234			2	35
42		6	8			42		1	18		
	234			16	11	117				1	22
42		11	3			42		1	28		
	117			7	19	117					
42		4	37			42		2	30	2	27
	117			3	34	234					
42		2	36			42		1	9	3	37
	234			15	59	117					
42		15	27			42		1	9	1	9
	117			14	25	117					
0		0	0			42		1	9		
						234				3	11
						42		4	14		
						234				5	27
						42		1	15		
						42		2	18	3	31

Excavation 80 Cu. Yd.
Embankment 383 Cu. Yd.
Seeding 2516 Sq. Yd.
Fertilizer 0.23 Ton
Quantities carried to sheet no. 80

I.R.-75 X-SECTION STA. 368+50 TO STA. 374+25 (MEDIAN)

FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		

120
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

SEEDING

END WIDTH	SQ. YDS.
77	434
79	404
42 42	187
42	233
42	233
42	233
42	128
10	

130 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ SURVEY 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

Ramp "A" Sta. 15+00 = Sta. 428+31.2 -84' Rt. ℄ 890.34

℄ +02.5-77' Lt.
℄ Ex. 21" 890.7

+00-77' Lt.
Outlet 28"-6' U.D.
℄ 890.7

895.62 895.81 895.62 — 8:1 — 894.0 — 26 — Prop. 15" — 4:1 — 894.0 — 6:1 — 895.62 895.81 895.62 — 46 — 48

895.81
428+00
896.32 S.B.
896.15 N.B.

+69.28 Begin Prop. Guardrail

+60 ℄ Prop. No. 4 Catch Basin
℄ Grate 893.10
℄ Bottom And Prop. 15" 890.89

895.99 896.18 895.99 — 6:1 — 2 — 47 — 7:1± — 14 — 7:1± — 43 — 4 — 8:1

896.18
427+50
896.47 S.B.
896.30 N.B.

Existing Reinforced Concrete Pavement To Be Removed Under Item 202, Pavement Removed

Ahead Sta. 427+40 Back

896.32 896.51 896.32 — 6:1 — 3 Ahead Only @ +40 — 33 Ahead Only @ +40 — 2 — 6.7:1 — 893.30 — 6.7:1 — 2 — 31 Ahead Only @ +40 — 5 Ahead Only @ +40 — 8:1

896.51
427+00
896.62 S.B.
896.45 N.B.

896.61 896.80 896.61 — 6:1 — 2 — 6.5:1± — 20 — 893.50 — 6.5:1± — 2 — 896.61 896.80 896.61 — 8:1

896.80
426+50
896.77 S.B.
896.60 N.B.

896.86 897.05 896.86 — 8:1 — 3 — 6.4:1± — 2 — 893.70 — 6.4:1± — 3 — 896.86 897.05 896.86 — 8:1

897.05
426+00
896.92 S.B.
896.75 N.B.

℄ Ex. 21" Starts @ C.B. Sta. 425+61 - 101 Rt.

897.07 897.26 897.07 — 8:1 — 5 — 6:1± — 893.90 — 6:1± — 4 — 897.07 897.26 897.07 — 8:1

897.26
425+50
897.07 S.B.
896.90 N.B.

897.24 897.43 897.24 — 8:1 — 5 — 6:1± — 894.00 — 6:1± — 6 — 897.24 897.43 897.24 — 8:1

897.43
425+00
897.22 S.B.
897.05 N.B.

Sta. 424+56 Zero Section

Sta. 424+56

Sta. 427+40 Ahead Back

Quantities Carried To Sheet No. 80.

Excavation	4183 Cu. Yd.
Embankment	285 Cu. Yd.
Seeding	8679 Sq. Yd.
Fertilizer	0.78 Ton

END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
110	26		
		200	28
106	4		
		189	18
64	12		
0	12	0	12
0	4		
		19	8
20	4		
		21	10
2	6		
		2	14
0	9		
		0	19
0	11		
		0	9
0	0		

X-SECTIONS STA. 425+00 TO STA. 428+00 I.R. 75

FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		

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231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

SEEDING

END WIDTH	SQ. YDS.
92	506
90	531
101	581
108	511
76	455
101	517
77	33
77	517
109	517
77	

Ex. 889.4
4:1
3
17'/'
890.22 FL
6:1
208
892.4
894.07
431 + 50
895.27 S.B.
895.10 N.B.
6:1
892.4
889.75 FL
889.26 FL
PROP. BARRIER
REMOVE EX. BARRIER
℄ Ex. 30" TWIN
STA. 431 + 35
@ 32' RT. EL. 889.3

BEGIN PROP. CONCRETE BARRIER TYPE D @ 12.12-65.91' RT.

END PROP. G.R. @ 14.22-65.91' RT. W/ BRID. TERM. ASSM. TYPE AA

Ex. 889.7
4:1
893.97
894.16
893.97
890.34 FL
892.6
EX. BRIDGE PIER
219
893.97
894.16
431 + 00
895.42 S.B.
895.25 N.B.
892.6
889.87 FL
893.97
894.16
893.97
893.79
1/2"/1'
889.38 FL
889.4

Ex. 889.8
5:1
894.21
894.30
894.21
890.46 FL
892.8
EX. BRIDGE PIER
230
894.21
894.30
430 + 50
895.57 S.B.
895.40 N.B.
892.8
889.99 FL
894.11
894.30
894.11
893.68
1/2"/1'
889.50
889.5

BEGIN PROP. G.R. @ 38.11-55.10' W/ BRIDGE TERMINAL ASSEMBLY TYPE AA

END PROP. CONCRETE BARRIER TYPE D @ 40.21-55.10' LT.

STA. 430+10 BEGIN PROP. 6" 605 U-DRAIN @ 889.60

REMOVE EX. CONCRETE BARRIER

OUTLET 84'-6" SHALLOW PIPE UNDERDRAIN EL. 889.6

889.9 FL. EXIST. 21" OUTLET 79' LT. STA. 430+06.5
5.6:1
894.31
894.50
894.31
890.58 FL
893.0
EX. 15"
PROP. 15"
232
894.31
894.50
430 + 00
895.72 S.B.
895.55 N.B.
893.0
894.31
894.50
894.31
893.65
893.34
1/2"/1'
EX. 15" @ 0.67%
EL. 889.6

NOTE: EX. C.B. RECONSTRUCTED TO GRADE, AS PER PLAN

BEGIN GUARDRAIL @ 165.49-83.91' RT. W/ TYPE A ANCHOR ASSEMBLY

Ex. 21"
8:1
893.4
894.56
894.75
894.56
890.70 FL
893.2
EX. 15"
PROP. 15"
182
894.56
894.75
429 + 50
895.87 S.B.
895.70 N.B.
893.2
894.56
894.75
894.56
894.51
893.60

BEGIN CONCRETE BARRIER TYPE D @ 29.27-55.10' LT.

EXISTING REINFORCED CONCRETE PAV'T. TO BE REMOVED UNDER ITEM 202 PAVEMENT REMOVED

AHEAD BACK STA. 429+03.8

Ex. 21"
8:1
893.6
894.87
895.06
894.87
890.82 FL
893.4
894.87
895.06
PROP. 15"
429 + 00
896.02 S.B.
895.85 N.B.
893.4
894.87
895.06
894.87
894.75
893.58
AHEAD ONLY @ STA. 429+03.8

STA. 429+03.8 AHEAD BACK

Ex. 21"
8:1
894.0
895.25
895.42
895.23
894.0
895.23
PROP. 15"
895.42
428 + 50
896.17 S.B.
896.09 N.B.
894.0
895.23
895.42
895.23
1'"/1'
11/1%
894.1

Sta. 428+00

Sta. 428+00

END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
208	3	396	3
219	0	416	0
230	0	215	0
232	0	383	0
182	0	355	0
233	0	23	0
160	0		
160	0	281	22
143	23	235	46
110	26		

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ SURVEY 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

X-SECTIONS STA. 428+50 TO STA. 431+50 I.R. 75

FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

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NOTE: END 6"-605 UNDERDRAIN @STA.435+00-49' LT. 890.09 FL.

STA. 435+00 ZERO SECTION — ℄ SURVEY

STA. 435+00 — 894.68 / 434+75 / 894.69 S.B. / 894.52 N.B. — 891.1 — Ex. 888.42

STA. 435+00 — 894.59 / 434+50 / 894.68 S.B. / 894.51 N.B. — 891.2 FL GRATE — 889.0 — FL 6" 605 INTO C.B. 889.0 FL — Ex. 15" @ 0.57% — Ex. 888.48

AHEAD STA. 434+06 BACK

NOTE: STA. 434+06 - 25' LT. 6"x30° BEND - 889.61 FL.

STA. 434+06 - 25' RT. 6"x 30° BEND FL 889.14

STA. 434+06 — 894.43 / 434+00 / 894.70 S.B. / 894.53 N.B. — 891.4 — BACK ONLY @ 406 — 889.62 FL — BACK ONLY @ 406 — 889.15 FL — STA 434+06 6"x90° BEND — 888.65 FL @ 0.22% — FL 888.55

STA. 433+69.28 END GUARDRAIL

STA. 433+45-91.5' RT. OUTLET Ex. TWIN 30" @ 888.6 FL

STA. 433+00 — 894.27 / 433+50 / 894.75 S.B. / 894.67 N.B. — 891.6 — 889.74 FL — 891.6 — 889.27 FL — 888.78 — 892.4

STA. 433+00 — 894.14 / 433+00 / 894.84 S.B. / 894.67 N.B. — 891.8 — 889.86 FL — 891.8 — 889.39 FL — 888.9 FL — 892.8 — Ex. 30" TWIN

EXISTING REINFORCED CONCRETE PAVEMENT TO BE REMOVED UNDER ITEM 202 PAVEMENT REMOVED

STA. 432+45-95' LT. FL INLET Ex. 24" 889.0

STA. 432+00 — 894.06 / 432+50 / 894.97 S.B. / 894.80 N.B. — 892.0 — 889.98 FL — 892.0 — 889.51 — 889.02 FL — REMOVE EX. BARRIER — 903.0 — Ex. 30" TWIN

FL OUTLET 889.2

+86.84 - 73.10' LT. END PROP. G.R. WITH TYPE A ANCHOR ASSEMBLY

STA. 431+50 — 894.04 / 432+00 / 895.12 S.B. / 894.95 N.B. — 892.2 — 890.10 FL — 892.2 — 889.69 FL — 889.14 FL — REMOVE EX. BARRIER — 902.9 — Ex. 30" TWIN

+23.07 - 65.91' LT. END PROP. CONC. BARRIER

STA. 434+06 AHEAD / BACK

SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
10	73	0	0	0	10
	42	0	20	0	15
	117	0	11		
	42			0	9
	233				
	42	0	0		
	73	75	3		
	49			17	1
	73	75	3		
	409			148	10
	74	84	17		
	439			204	23
	84	136	8		
	500			300	16
	96	187	9		
	567			370	9
	108	212	0		
	556			389	3
	92	208	3		

X-SECTIONS STA. 432+00 TO STA. 434+75 I.R. 75

FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		

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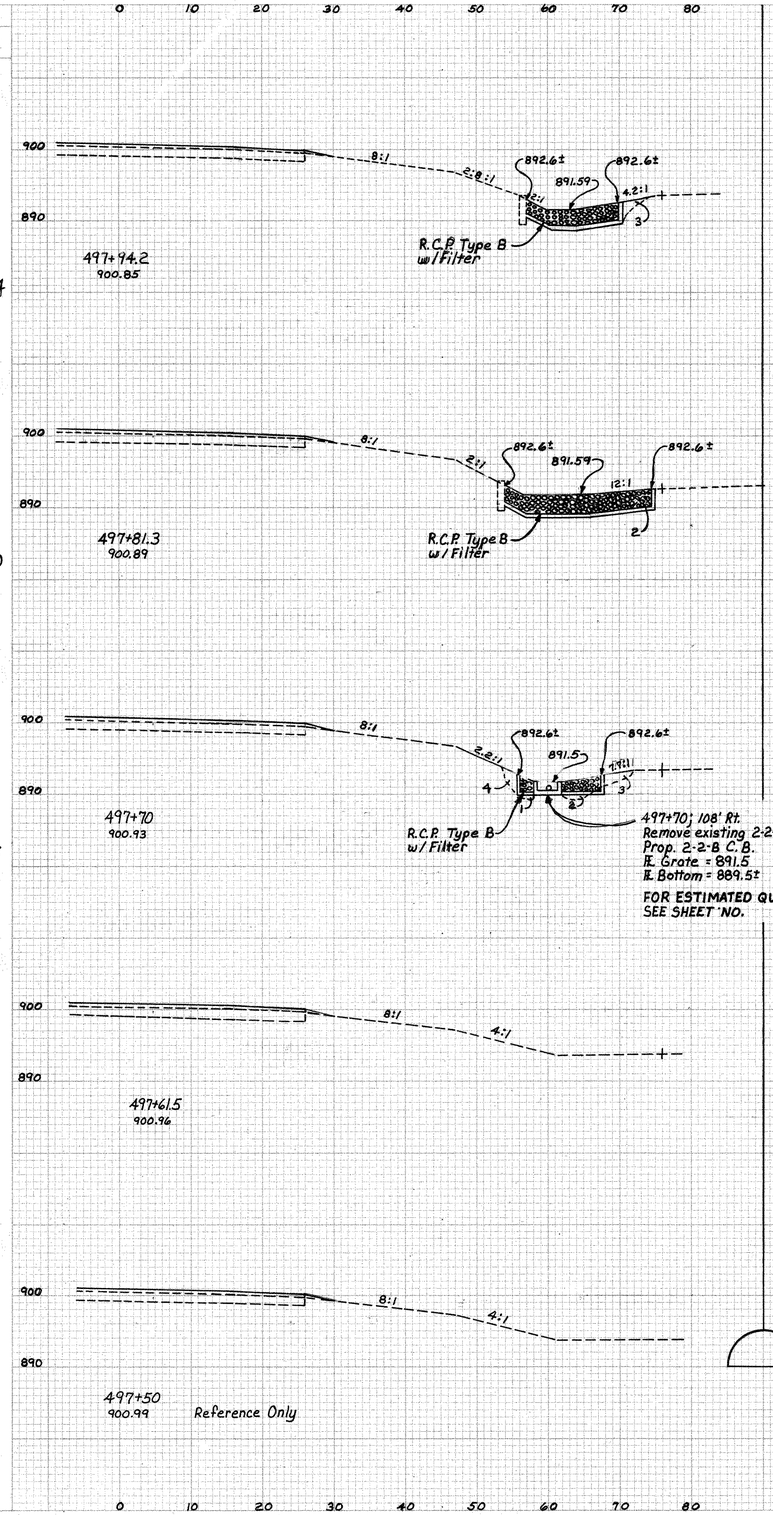
AUGLAIZE COUNTY
ALLEN COUNTY
AUG - 75 - 4.54
ALL - 75 - 0.00

SEEDING	
END WIDTH	SQ. YDS.
30	
	44
32	
	40
31	
	15
0	

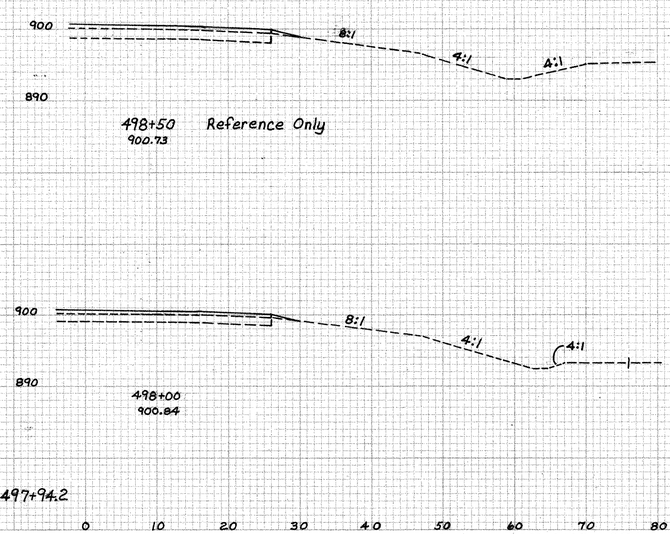


End Area		Volume		Seeding	
Cut	Fill	Cut	Fill	End Width	Sq. Yds.
0	3				
		1	1		
2	0				
		1	2		
1	10				
		1	2		
0	0				
		0	0		

END AREA		VOLUME	
CUT	FILL	CUT	FILL
0	0		
		0	1
0	3		

Excavation 3 Cu. Yd.
Embankment 6 Cu. Yd.
Seeding 109 Sq. Yd.
Fertilizer 0.01 Ton

Quantities Carried To Sheet No. 80



I.R.-75 X-SECTIONS STA. 497+50 TO STA. 498+50 (RIGHT)

FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		

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231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54.
ALL-75-0.00

SEEDING	
END WIDTH	SQ. YDS.
21	
30	
21	
14	
31	
13	
29	
71	
0	

80 70 60 50 40 30 20 10 0

900
890
894.5±
12:1±
893.3
2:1±
12:1
900.71
498+66

900
890
894.5±
1/2":1'
893.2
2:1±
1/2":1'
12:1±
900.73
498+53

900
890
894.5±
1/2":1'
893.12
2:1±
894.5±
1/2":1'
4.8:1±
3
498+48; 110'Lt.
Remove existing 2-2B C.B.
Prop. 2-2B C.B.
FE. Grate = 893.00
FE. Bottom = 891.00±
900.73
498+48

FOR ESTIMATED QUANTITIES
SEE SHEET NO. 190.

900
890
894.5±
1/2":1'
894.5±
2:1±
1/2":1'
5:1±
2
893.2
Riprap w/cutoff walls as per std. dwg. MC-4
498+44
900.74

900
890
4:1
4:1
8:1
894.0
ZERO SECTION
900.84
498+00

End Area		Volume		Seeding	
Cut	Fill	Cut	Fill	End Width	Sq. Yds.
0	0				
		0	1		
0	1				
		0	1		
0	3				
		0	1		
0	2				
		0	2		
0	0				

49	
58	Minus area for concrete rip rap
32	
18	
21	Sta. 498+66

Quantities Carried To Sheet No. 80	
Excavation	2 Cu. Yd.
Embankment	5 Cu. Yd.
Seeding	137 Sq. Yd.
Fertilizer	0.01 Ton

END AREA		VOLUME	
CUT	FILL	CUT	FILL
0	0		
1	0		
0	0		

900
890
8:1
4:1
8:1
893.6
ZERO SECTION
900.71
499+00

900
890
894.5±
11:1±
2
893.4
894.5±
2.5:1±
1":1'
900.71
498+72.2

Sta. 498+66

80 70 60 50 40 30 20 10 0

L.R. - 75 - X-SECTIONS STA. 498+00 TO STA. 499+00 (LEFT)

FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		

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AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL	SEEDING END WIDTH	SEEDING SQ. YDS.
42		0	40			0	
				0	93	210	
42		0	27			42	
				0	59	467	
42		0	36			42	
				0	59	467	
42		0	27			42	
				0	81	117	
42		0	60			42	
				0	110	350	
42		0	58			42	
				0	109	350	
42		0	59			42	
				0	28	117	
42		0	0			42	

END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
0	0		
		0	37
0	22		
		0	89
0	26		
		0	115
0	36		
		0	37
0	44		
		0	113
0	37		
		0	36
0	40		

513+75
513+00
512+50
512+00
511+50
511+00
510+50 Sta. 510+43.57 Begin Prop. Guardrail
510+25 Zero Section
517+90 Zero Section
517+00
516+00
Sta. 515+74.82 End Proposed Guardrail
515+00
514+75
514+00
Sta. 513+75
Sta. 517+90
Sta. 519+75
℄ S.B. lanes
℄ N.B. lanes
Existing bridge pier

	Cu. Yd.
Excavation	0
Embankment	966
Seeding	3,347 Sq. Yd.
Fertilizer	0.31 Ton

Quantities carried to sheet no. 80

I.R. 75 X-SECTIONS STA. 510+25 TO STA. 517+90

FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		

126/231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

SEEDING END WIDTH	SEEDING SQ. YDS.	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL	SEEDING END WIDTH	SEEDING 50 YDS
		27	6				
				13	11		
	0						
	106	9	23				
		16	23				
				24	34		
	38	16	23				
	178						
				20	33		
	38	9	19				
							20
	434						
				30	75		
							105
	40	7	21				
							40
	105			9	14		
							38
	20	7	2				
							178
							38
							106
							0

END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
7	3		
		10	13
9	18		
		112	233
11	24		
		11	36
2	21		
		3	31
2	21		
13	21		
		14	10
27	6		

Quantities carried to sheet no. 80

Excavation	246 Cu. Yd.
Embankment	430 Cu. Yd.
Seeding	1,646 Sq. Yd.
Fertilizer	0.15 Ton

I.R.-75 X-SECTIONS STA. 521+00 TO STA. 527+00

FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		

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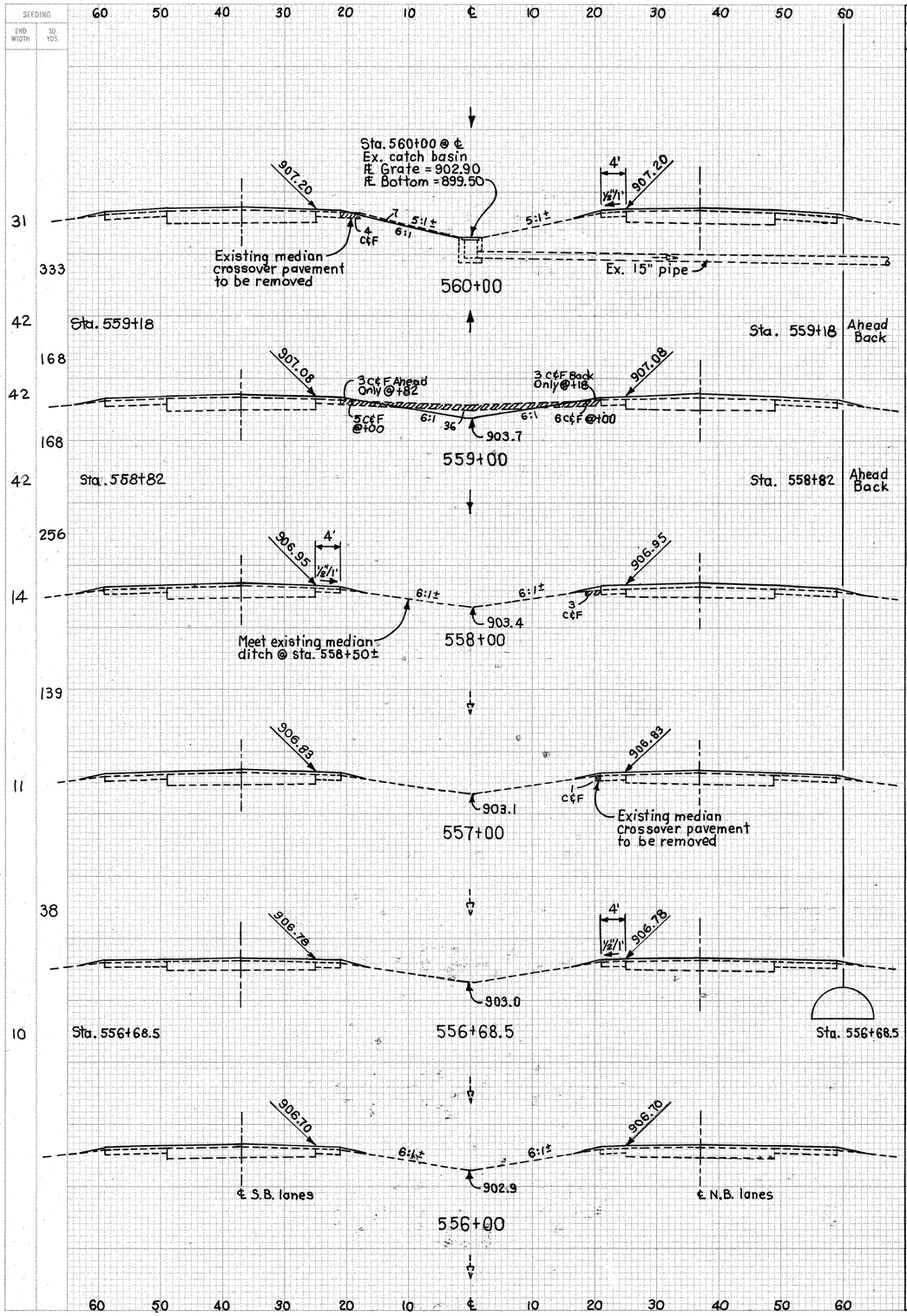
AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

SEEDING	
END WIDTH	SQ. YDS.
31	333
42	168
42	168
42	256
14	139
11	38
10	



END AREA		VOLUME		SEEDING	
CUT	FILL	CUT	FILL	END WIDTH	SQ. YDS.
11	4				
		22	11		
3	3				
6	6				
		18	6		
47	11				
		19	7		
8	8				
5	5				
		13	13		
3	3				
		8	8		
1	1				
		1	1		
1	1				
		10	10		
0	0				
		1	1		
		23	10		
		11	4		

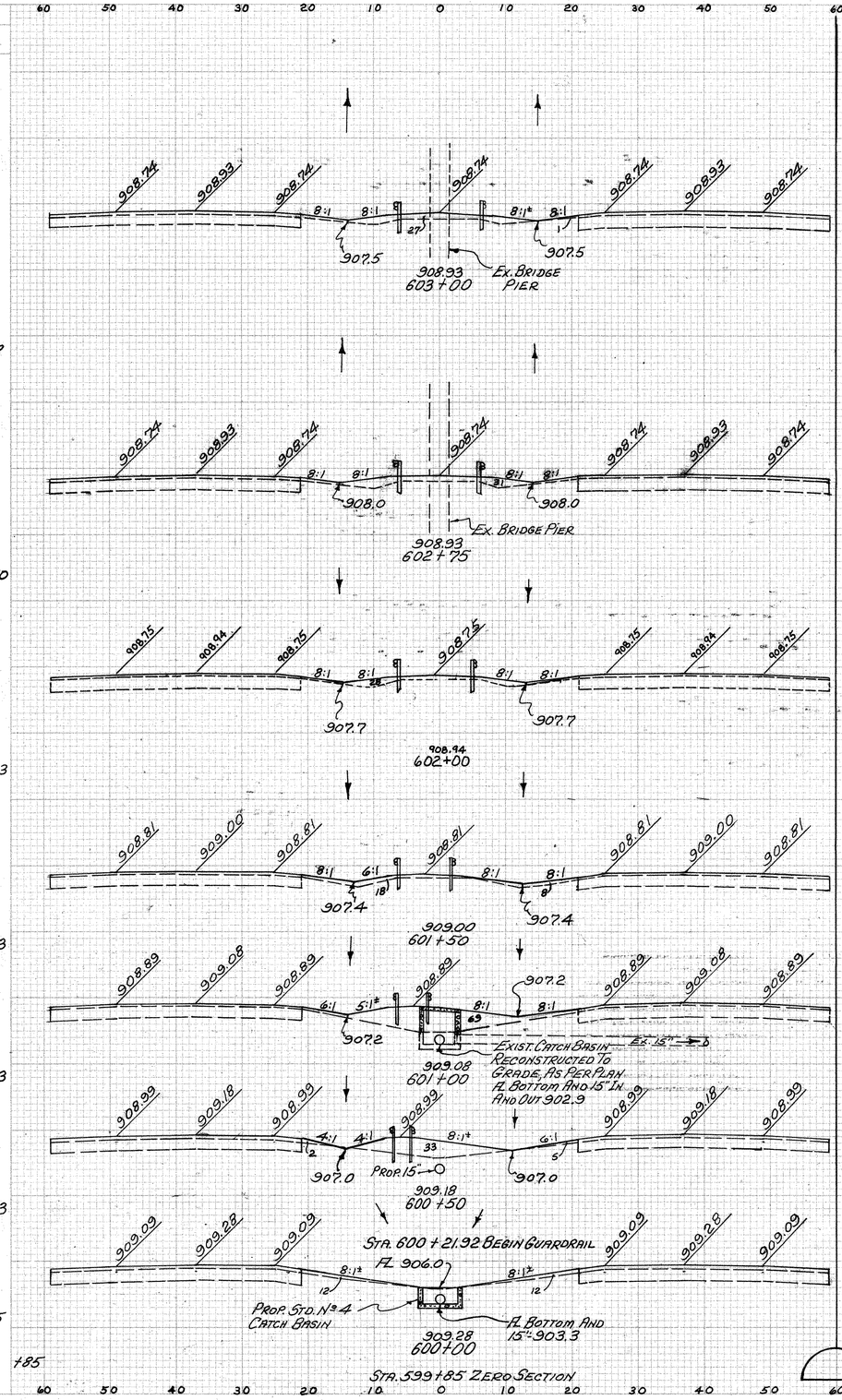
END AREA		VOLUME	
CUT	FILL	CUT	FILL
1	1		
0	0		

Quantities carried to sheet no. 80

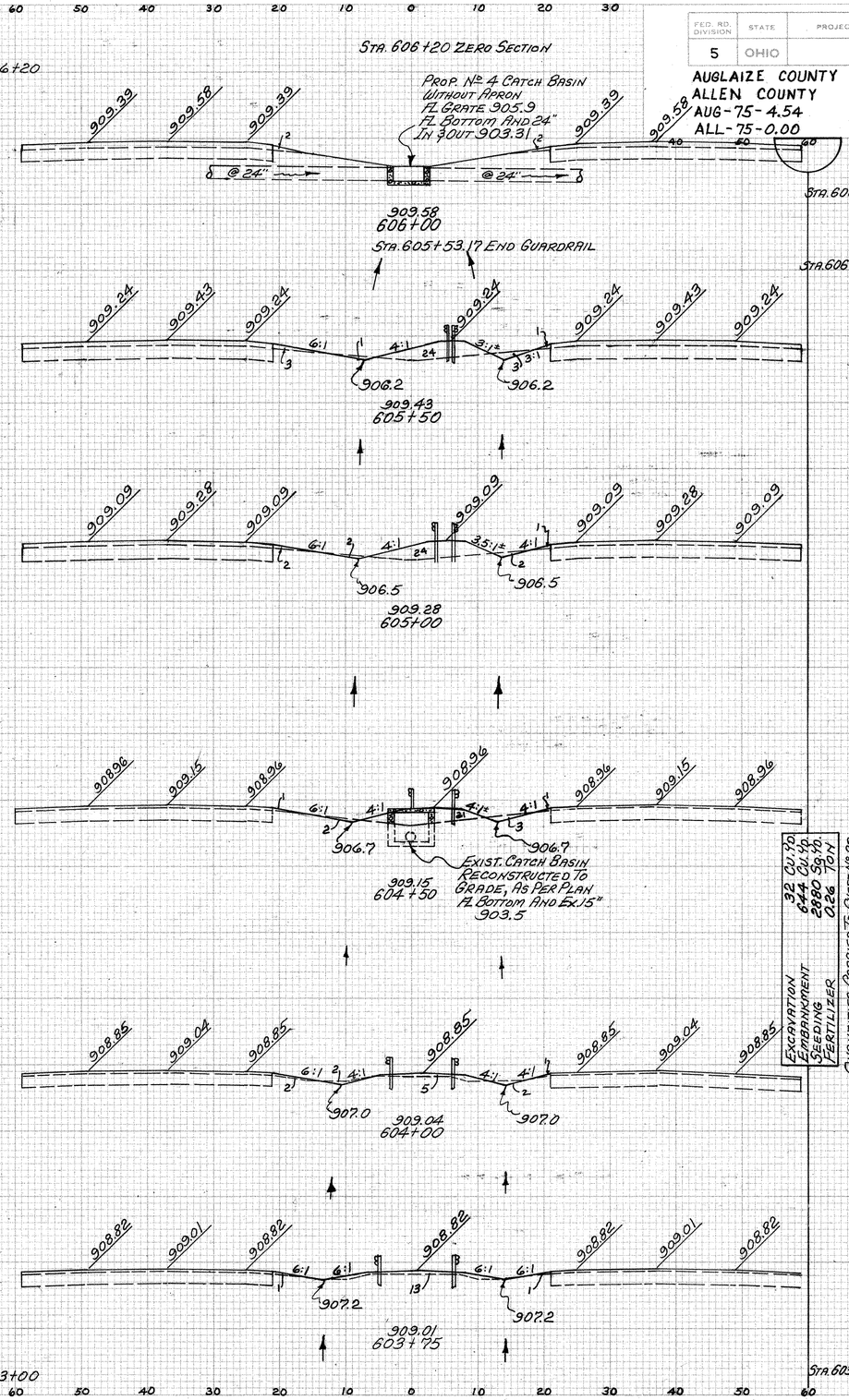
Excavation	105 Cu. Yd.
Embankment	57 Cu. Yd.
Seeding	1,373 Sq. Yd.
Fertilizer	0.12 Ton

I.R.-75 X-SECTIONS STA. 556+00 TO STA. 562+00

SEEDING END WIDTH	SEEDING SQ. YDS.
42	117
42	350
42	233
42	233
42	233
42	233
42	233
42	117
42	233
35	0



End Area Cut	End Area Fill	Volume Cut	Volume Fill	Seeding End Width	Seeding Sq Yds
				0	
				47	
0	28			42	
				233	
		0	27	42	
0	31			233	
				42	
		0	82	233	
0	28			233	
		0	50	42	
0	26			233	
		0	88	233	
0	69			42	
		0	101	42	
0	40			117	
		0	60	42	
0	24			350	
0	7			42	
0	0				



FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

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231

	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
Sta. 606+20	0	0		
			0	1
Sta. 606+00	0	4		
			4	30
	4	28		
			8	51
	4	27		
			9	47
	5	23		
			9	29
	4	8		
			2	11
	0	15		
			0	60
Sta. 603+00	0	28		

Quantities Carried To Sheet No. 80

Excavation	32 Cu. Yd.
Embankment	644 Cu. Yd.
Seeding	2880 Sq. Yd.
Fertilizer	0.26 Ton

I.R.-75 X-SECTION STA. 599+85 TO STA. 606+00 (MEDIAN)

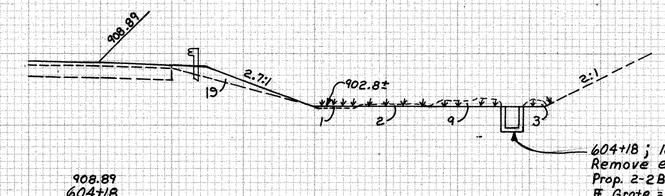
FED. RD. DIVISION	STATE	PROJECT		129 / 231
5	OHIO			

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

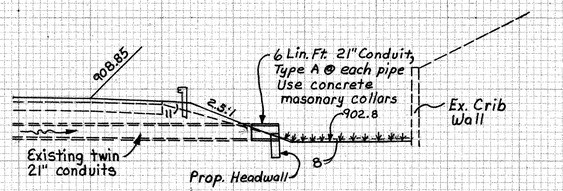
Work Required: Remove existing headwall and 12 Lin. Ft. of 21" concrete pipe. Replace the 12 Lin. Ft. of 21" concrete pipe and headwall to the orginal elevations @ Sta. 604+00. Regrade and sod the 16' ditch to the orginal elevations as shown on the cross sections from Sta. 602+75 to Sta. 606+00. Remove existing Catch Basin @ Sta. 604+18 - 106' Rt. and build to a new 2-2B Catch Basin to the elevations as shown on the cross-sections. Fix the blow hole in the existing 24" conduit @ Sta. 604+00 by using 6 Lin. Ft. 24" Conduit, type C 706.02 w/ 2 concrete collars. Remove existing headwall and 12 Lin Ft. of 24" concrete pipe. Replace the 12 Lin. Ft. of 24" concrete pipe and headwall to the orginal elevations @ Sta. 606+00.

End Area		Volume		Seeding	
Cut	Fill	Cut	Fill	End width	Sq. Yds.
14	20				
		8	11		20
8	11				312
					36
		30	47		
					311
8	14				44
		4	13		63
					68
0	12				15
		0	6		
0	0				63

END AREA		VOLUME	
CUT	FILL	CUT	FILL
0	0		
		17	0
9	0		
		22	13
8	10		
		4	5
14	17		
		1	2
14	20		



908.89
604+18

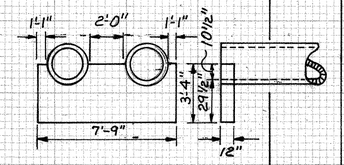


NOTE: Existing headwall to be removed under Item 202 Portions of Structures Removed

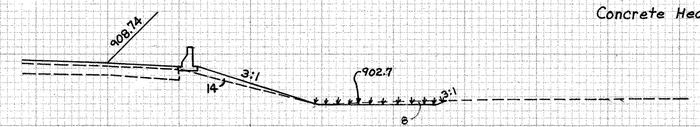
908.85
604+00

Begin Prop. G.R. @ 603+47.86 59.27' Rt. w/ Bridge Terminal Assem. Type AA

End Prop. Conc. Barrier @ 603+49.97 59.27' Rt.



Concrete Headwall Detail



908.74
603+00

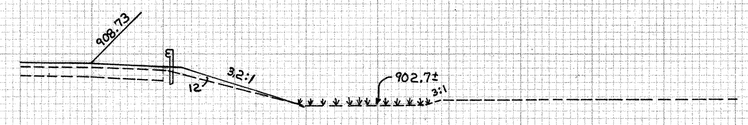
(2D)

Begin Prop. Conc. Barrier @ 602+90.63 59.27' Rt.

End Prop. G.R. @ 602+92.74 w/ Bridge Terminal Assembly Type AA

ITEM	ESTIMATED QUANTITIES	
202	Catch Basin Removed	1 Each
202	Portions of Structures Removed	Lump
202	Pipe Removed	30 Lin. Ft.
603	8" Conduit; Type C	4 Lin. Ft.
603	15" Conduit; Type C	4 Lin. Ft.
603	18" Conduit; Type C	4 Lin. Ft.
603	21" Conduit; Type A	12 Lin. Ft.
602	Concrete Masonry	0.88 Lin. Ft.
604	2-2B Catch Basin	1 Each
660	Sodding	576 Sq. Yds.
603	24" Conduit; Type C	6 Lin. Ft.

Quantities Carried To Sheet No. 73



908.73
602+75

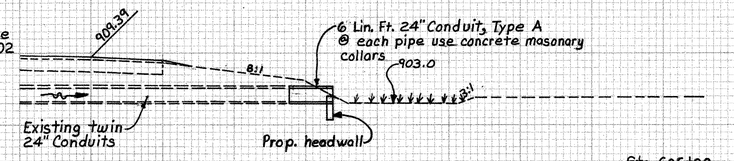
Begin Sodding 16' Ditch

Begin Prop. G.R. @ 601+68.02 67.58' Rt. w/ Type A Anchor Assembly

Sta. 602+50

Sta. 602+50

NOTE: Existing headwall to be removed under Item 202 Portions of Structures Removed

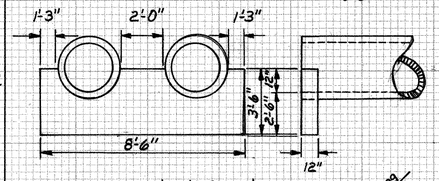


Sta. 606+00

908.39
606+00

End Sodding 16' Ditch

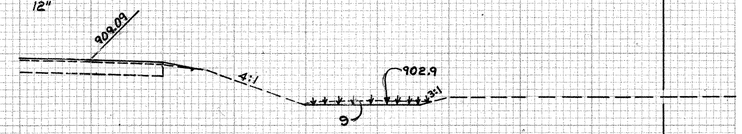
Sta. 606+00



Concrete Headwall Detail

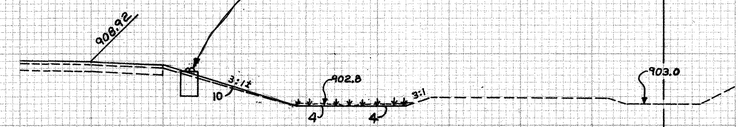
ITEM	ESTIMATED QUANTITIES	
202	Portions of Structures Removed	Lump
202	Pipe Removed	12 Lin. Ft.
603	24" Conduit, Type A	12 Lin. Ft.
602	Concrete Masonary	1.00 Cu. Yd.

Quantities carried to sheet no. 73 (4D)



908.09
605+00

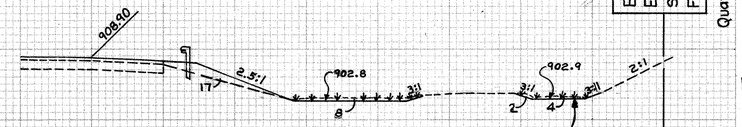
End Prop. G.R. @ +37.25 w/ Type A Anchor Assem. 62.5' Rt.



908.92
604+30

Excavation	86	Cu. Yd.
Embankment	97	Cu. Yd.
Seeding	1,168	Sq. Yd.
Fertilizer	0.11	Ton

Quantities carried to sheet no. 80



908.90
604+20

Sta. 604+18

Sta. 604+18

I.R.-75 X-SECTIONS STA. 602+75 TO STA. 606+00 (RIGHT)

FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		

130
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AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

SEEDING

END WIDTH	SQ. YDS.
98	
	531
93	
	528
97	
	570
108	
	595
106	
	503
75	
	325
42	
	250
48	
84	
20	

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ SURVEY 10 20 30 40 50 60 70 80 90 100 110 120 130

896.41 896.60 896.41 — 8:1 — 6 — 4:1 — 1½"/ft 1½"/ft — 6:1 — 6:1 — 896.41 896.60 896.41 — 8:1
53 — 35 — 61
894.4 — 896.41 — 894.0 — Ex. 891.5

896.60
695 + 50
897.24 S.B.
897.07 N.B.

Existing reinforced concrete pvm't. to be removed under Item 202, Pavement Removed

896.40 896.59 896.40 — 8:1 — 6:1 — 6:1 — 896.40 896.59 896.40 — 8:1
44 — 9 — 48
893.5

896.59
695 + 00
897.04 S.B.
896.87 N.B.

896.39 896.58 896.39 — 8:1 — 6 — 6:1 — 6:1 — 896.39 896.58 896.39 — 8:1
32 — Ahead Only @ +44 — 11 — Ahead Only @ +44 — 27
893.00

896.58
694 + 50
896.85 S.B.
896.68 N.B.

896.38 896.57 896.38 — 6:1 — 11 — 6:1± — 6:1± — 896.38 896.57 896.38 — 8:1
2 — 13
892.5

896.57
694 + 00
896.69 S.B.
896.52 N.B.

896.37 896.56 896.37 — 6:1 — 9 — 6:1± — 6:1± — 896.37 896.56 896.37 — 8:1
9 — 14 — 2
892.0

896.56
693 + 50
896.56 S.B.
896.39 N.B.

Ex. Mod. No. 4 C.B. — 896.36 896.55 896.36 — 8:1 — 6:1 — 6:1 — 896.36 896.55 896.36 — 8:1
Ex. 12" — Ex. 21" — Outlet Prop. 6" U-drain FL=891.2 — 890.43
FL GRATE 891.6 — 16 — 14 — 2:1 — Ex. 21" — 889.3
Outlet Prop. 6" U-drain FL=890.80

896.55
693 + 00
896.48 S.B.
896.29 N.B.

896.35 896.54 896.35 — 8:1 — 3:1 — 3 — 8:1
Ex. 891.7

896.54
692 + 50
896.36 S.B.
896.21 N.B.

1½" 1½" — 896.34 896.53 896.34 — 8:1 — 3:1 — 2 — 8:1
Ex. 891.9 — 889.0 Ex.

896.53
692 + 00
896.32 S.B.
896.15 N.B.

Sta. 691+78 — Sta. 691+78

Sta. 694+44 Ahead / Back

	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
	120	35		
	92	9	197	41
			150	25
	69	17		
			16	4
Ahead	69	17		
Back	26	11		
			43	18
	26	11		
			38	29
	14	20		
			28	38
Ahead	16	21		
Back	0	21		
			3	20
	3	0		
			9	0
	6	0		
			3	0
Sta. 691+78	0	0		

X-SECTIONS STA. 692 + 00 TO STA. 695+50 I.R.-75

FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

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SEEDING

END WIDTH	SQ. YDS.
86	464
81	470
88	500
92	533
100	570
105	564
98	

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ SURVEY 10 20 30 40 50 60 70 80 90 100 110 120 130

Begin Prop. G.R. @ +35.28 60.64' Lt.
w/ Bridge Terminal Assem. Type AA

End Prop. Conc. Barrier Type D
@ +37.39 60.68' Lt.

896.99 897.18 896.99 896.99 896.99 897.18 896.99
8:1 6:1 ½"/1' ½"/1' 6:1 8:1 8:1
895.7 895.8 196 2 895.5

897.18
698 + 50
898.44 S.B.
898.27 N.B.

End Prop. Conc. Barrier
Type D @ +25.44 59.38' Rt

Ex. Bridge Pier
Existing concrete bridge pier
Prop. Conc Barrier

896.75 896.94 896.75 896.75 896.94 896.75
8:1 6:1 ½"/1' ½"/1' 6:1 8:1 1"/1'
895.5 895.5 205 895.3

Begin Prop. Conc. Barrier
Type D @ +70.23 59.53 Lt.

896.94
698 + 00
898.21 S.B.
898.07 N.B.

Begin Prop. Conc. Barrier
Type D @ +58.28 60.53' Rt.

End Prop. G.R. @ +60.39
60.49' Rt. w/ Bridge Terminal Assem. Type AA

896.58 896.77 896.58 896.58 896.77 896.58
1"/1' 8:1 6:1 ½"/1' ½"/1' 6:1 8:1 8:1
79 895.2 40 895.2 80

896.77
697 + 50
898.04 S.B.
897.87 N.B.

896.47 896.66 896.47 896.47 896.66 896.47
1"/1' 8:1 6:1 ½"/1' ½"/1' 6:1 8:1 7:1
81 895.0 8 24 895.0 85

896.66
697 + 00
897.84 S.B.
897.67 N.B.

896.43 896.62 896.43 896.43 896.62 896.43
8:1 6:1 ½"/1' ½"/1' 6:1 6:1 6.9:1
71 894.8 8 30 894.8 95

896.62
696 + 50
897.64 S.B.
897.47 N.B.

Existing reinforced concrete pavement
to be removed under Item 202
Pavement Removed

896.42 896.61 896.42 896.42 896.61 896.42
8:1 6:1 ½"/1' ½"/1' 8:1 8:1 8:1
71 894.6 8 30 10 894.3 97

+16 Ex. Conc. Barrier
to be removed

Begin Prop. G.R. @ +11.69
w/ Type A Anchor Assembly

896.61
696 + 00
897.44 S.B.
897.27 N.B.

Sta. 695+50 Sta. 695+50

END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
196	2	372	2
205	0	374	0
199	0	368	0
198	0	372	0
204	0	362	28
186	30	278	41
114	14		

X-SECTIONS STA. 696 + 00 TO STA. 698 + 50 I.R. 75

FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		

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AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

SEEDING END WIDTH	SEEDING SQ. YDS.
97	
	477
98	
116	
	413
116	
	617
106	
106	
	570
99	
	572
107	
	575
100	
	517
86	

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ SURVEY 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

STA. 701+59-25' LT. & 25' RT. EXISTING 6"x 45° BENDS FL ELEV. 893.10± (DO NOT DISTURB)

899.21 899.40 899.21 — 8:1 — 12 — 41 — 8:1 — 11 — 8:1 — 4 — 28 — 6 — 6:1

BACK ONLY @ +54

FL 893.7± 6"-603

896.66

899.40
701 + 50
899.64 S.B.
899.47 N.B.

FL 893.7± 6"-603

BACK ONLY @ +54

STRUCTURE

NOTE: EXISTING 6"-603 @ ℄ STA. 701+34 FL INTO EX. C.B. FROM 25' LT. & RT. 892.00± (DO NOT DISTURB)

134 ± — FL GRATE 895.66 — 6" — 6" — 890.8 FL Bottom

AHEAD STA. 701+32
BACK

STA. 701+32 @ BACK ONLY

898.85 899.04 898.85 — 8:1 — 9:1 — 9:1 — 87 — 31 — 14 — 8:1± — 2:1

898.04

896.57

Ex. 30"

899.04
701 + 00
899.44 S.B.
899.27 N.B.

ADD FOR RAMP "C" FROM STA. 4+21.91 TO STA. 5+00

EXISTING REINFORCED CONCRETE PAVEMENT TO BE REMOVED UNDER ITEM 202
PAVEMENT REMOVED

898.46 898.65 898.46 — 8:1 — 68 — 8:1 — 8:1 — 8:1 — 8:1 — 8:1 — 61 — 8:1

898.46 898.65 898.46 898.00

897.0 897.2

898.65
700 + 50
899.24 S.B.
899.07 N.B.

898.06 898.25 898.06 — 8:1 — 8:1 — 8:1 — 8:1 — 144 — 8:1

898.06 898.06 897.84

896.5 897.0

898.25
700 + 00
899.04 S.B.
898.87 N.B.

END PROP. G.R. @ +59.85 W/ TYPE A ANCHOR ASSEMBLY

897.66 897.85 897.66 — 8:1 — 8:1 — 6:1 — 8:1 — 8:1

897.66 897.85 897.66 897.47

896.2 896.3

897.85
699 + 50
898.84 S.B.
898.67 N.B.

897.29 897.48 897.29 — 6:1 — 6:1 — 6:1 — 6:1 — 194

897.29 897.48 897.29 897.12

1"/1" 1"/1"

896.0 896.0

897.48
699 + 00
898.64 S.B.
898.47 N.B.

STA. 698+50

		END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
STA. 701+54	AHEAD	11	22		
	BACK	80	22		
				308	40
STA. 701+32	AHEAD	87	0		
	BACK	118	14		
				140	17
		118	14		
				229	22
ADD FOR RAMP "C" FROM STA. 4+21.91 TO STA. 5+00				89	57
		129	9		
				253	9
		144	0		
				347	0
		230	0		
				393	0
		194	0		
				362	2
STA. 698+50		196	2		

EXCAVATION	4,579 Cu.Yd.
EMBANKMENT	909 Cu.Yd.
SEEDING	14,234 Sq.Yd.
FERTILIZER	1.28 TON

QUANTITIES CARRIED TO SHEET No. 80.

X-SECTIONS STA. 699+00 TO STA. 701+50 I.R. 75

FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		

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AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

SEEDING

END WIDTH	SQ. YDS.
30	364
101	556
99	559
102	575
105	592
108	642
123	612
97	

STA. 705+00

2 SURVEY 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

STA. 705+00 ZERO SECTION

900.83 901.02 900.83 898.29 900.83 901.02 900.83
8:1 7 8:1 8:1 24 8:1 10 8:1
+50-25' Lt. Ex. 6" U.D. El. 893.3± (Do Not Disturb)
+50-25' Rt. Ex. 6" U.D. El. 893.3± (Do Not Disturb)
901.05
704 + 50
900.83 S.B.
900.66 N.B.

900.62 900.81 900.62 898.07 900.62 900.81 900.62
8:1 7 8:1 8:1 22 8:1 10 8:1
Ex. 6" U.D. (Do Not Disturb)
Ex. 6" U.D. (Do Not Disturb)
900.84
704 + 00
900.645 S.B.
900.47 N.B.

900.39 900.58 900.39 897.84 900.39 900.58 900.39
8:1 6 8:1 8:1 20 8:1 9 8:1
Ex. 6" U.D. (Do Not Disturb)
Ex. 6" U.D. (Do Not Disturb)
900.60
703 + 50
900.44 S.B.
900.27 N.B.

900.14 900.33 900.14 897.59 900.14 900.33 900.14
8:1 5 8:1 8:1 16 8:1 11 8:1
Ex. 6" U.D. (Do Not Disturb)
Ex. 6" U.D. (Do Not Disturb)
900.34
703 + 00
900.24 S.B.
900.07 N.B.

899.85 900.04 899.85 897.3 899.85 900.04 899.85
8:1 3 8:1 8:1 6 8:1 16 8:1
Ex. 6" U.D. (Do Not Disturb)
Ex. 6" U.D. (Do Not Disturb)
900.05
702 + 50
900.04 S.B.
899.87 N.B.

899.54 899.73 899.54 896.99 899.54 899.73 899.54
8:1 3 8:1 8:1 5 8:1 120 8:1
Ex. 6" U.D. (Do Not Disturb)
Ex. 6" U.D. (Do Not Disturb)
899.74
702 + 00
899.84 S.B.
899.67 N.B.

STA. 701+50

2 SURVEY 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
STA. 705+00	0	0		
			0	38
+50	0	41		
			0	75
+00	0	39		
			0	69
	0	35		
			0	63
	0	32		
			0	59
	0	31		
			5	50
	5	22		
			15	41
STA. 701+50	11	22		

X-SECTIONS STA. 702+00 TO STA. 704+50 I.R. 75

I.R.–75 & U.S.R.–33 INTERCHANGE

FHWA REGION	STATE	PROJECT		134 / 231
5	OHIO			

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00

Sta. 322+11.44; 49' Lt.=
S.T. Sta. 18+83.11 @ Ramp A

62.5' Pvm't. transition
SEE TRANSITION DETAIL
"C" ON SHEET NO. 19

Sta. 6+13.34
Sta. 6+95.84

1R
1G

Sta. 11+25.77
Sta. 11+43.77
T.S.
S.C.
Sta. 13+43.77
C.S.
Sta. 16+83.11

U.S.R.–33
Ramp A
8'
24'
3'
P.C. Sta. 158+66.73

+37±
+01±

FOR RAMP A CROSSOVER
SEE SHEET NO. 135

P.C.C. Sta. 155+00; 90' Rt.=
P.C. Sta. 0+00 @ Ramp C

3'
16'
8'

C.S. Sta. 4+01.95
Sta. 4+08.92
Sta. 4+71.42

62.5 Pvm't. transition
SEE TRANSITION DETAIL
"C" ON SHEET NO. 19

S.C.
Sta. 6+01.95
C.S.
Sta. 6+76.50

FOR RAMP G CROSSOVER
SEE SHEET NO. 135

Ramp G

S.T. Sta. 8+76.50
T.S. Sta. 8+87.82

Sta. 166+10.20 @ U.S.R.–33=
Sta. 316+04.91 @ I.R.–75

Sta. 167+00; 90' Rt.=
Sta. 0+00 @ Ramp D

U.S.R.–33 CURVE DATA
P.I. STA. 170+65.68
Δ= 23°39'49" LT.
D= 1°00'04"
R= 5723.18'
T= 1198.95'
L= 2363.71'
E= 124.24'

Sta. 171+40.58 @ USR–33=
Sta. 0+00.00 @ Ramp E
Sta. 171+77.11 @ USR–33=
Sta. 16+19.36 @ Ramp F

FOR PROPOSED PVM'T. REPLACEMENT
AND CONCRETE BARRIER ON RAMP F
AND PVM'T. TRANSITION DETAILS ON
RAMPS D & E SEE SHEET NO'S 19
AND 136

Sta. 180+99.81 @ U.S.R.–33=
Sta. 18+89.88 @ Cemetery Rd.

S 01°29'24"W
P.T. STA. 182+30.44
R/W Mon.

Sta. 313+43.89; 53' Rt.=
S.T. Sta. 13+92.64

T.S.
Sta. 1+37.37
C.S.
Sta. 5+37.37

Ramp E

Sta. 5+79.76 @ Ramp D=
Sta. 3+26.68 @ Ramp E

C.S. Sta. 11+92.64
S.C. Sta. 11+93.75 @ Ramp F=
Sta. 6+66.08; 32' Lt.
Sta. 11+26.66 @ Ramp F=
Sta. 7+24.95; 32' Lt.

Ramp D

173+00.00
175.00'
Sanitary Manhole
S. T.
Sta. 13+93.75
W.V.

178+99.64
132.81'
Existing woven wire fence to be removed
Conc. Sign Base

179+20.45
223.64'
R/W Mon.
Sign Post
Storage Sheds
Gravel Pad
Edge Blacktop

180+38.19
264.48'

180+26.05
356.39'

R.R. Spike

173+80.00
320.00'
Gravel Parking
Sanitary Manhole
R/W Mon.
Proposed Type CLT Chain link fence
Ex. L.A. R/W
Storm Manhole

176+29.54
311.72'

F.H.
R/W Mon.
172+64.31
426.36'
Steel Shed
Conc. Block Bldg.
Underground Conc. Tank

Sanitary Manhole

Ramp F

S.T. Sta. 9+26.67
C.S. Sta. 9+08.75
C.S. Sta. 7+08.75
S.C. Sta. 6+50

Prop. L.A. R/W
Ex. L.A. R/W

Existing woven wire fence to be removed
Proposed Type CLT Chain link fence

Iron Pipe
306+60.42
475.61'

Iron Pipe
305+25.41
235.46'

R/W Mon.
304+00.65
125.58'

Ex. L.A. R/W

Proposed concrete barrier

Overhead Lines Midwest Etc.

CEMETERY ROAD

FOR FENCE QUANTITIES
SEE SHEET NO. 81

C. S.
Sta. 13+09.21

S. T.
Sta. 15+59.21

N 00°48'45"E

℄ I.R.–75

Ramp C

S. C.
Sta. 11+37.82

C. S.
Sta. 4+50

N

0 100 200 300 400

RAMP C CURVE DATA
Sta. 158+66.10 @ W.B. ℄

Δc1=10°–02'–55.6"	Δc2=5°–13'–6.1"
Dc1=2°–30'	Dc2=7°–00'
Rc1=2291.83'	Rc2=818.51'
Ls1=200'	Ls2=200'
p1=1.31'	p2=2.04'
xc=199.70'	LT=133.44'
yc=8.14'	ST= 66.76'
℘s1=2°–30'	℘s2=7°–00'
k=99.95'	LC=199.87'
Lc1=401.95'	Lc2= 74.55'

RAMP A
CURVE DATA
P.I. STA. 16+09.65

Δ= 9755D–04'–52" Lt.	℘= 18.00°
Dc= 18°–00'	Xc= 198.04'
Rc= 318.31'	Yc= 20.18'
Lc= 339.34'	L.T.= 134.03'
Ls= 200'	S.T.= 67.30'
Ts= 465.88'	p= 5.22'
Es= 170.30'	k= 99.67'
LC=199.12'	Δc=61°–04'–52"

RAMP C
CURVE DATA
P.I. STA. 12+36.37 = Sta. 311+03.22; 79.43' Lt.

Δ= 4455D–14'–47" Rt.	℘= 13.125°
Dc= 10°–30'	Xc= 248.69'
Rc= 545.67'	Yc= 19.02'
Lc= 171.39'	L.T.= 167.13'
Ls= 250'	S.T.= 83.75'
Ts= 348.55'	p= 4.76'
Es= 48.51'	k= 124.78'
LC=249.42'	Δc=17°–59'–47.1"

A:au75id1 19920210

I.R.–75 & U.S.R.–33 INTERCHANGE

FHWA REGION	STATE	PROJECT	
5	OHIO		

135
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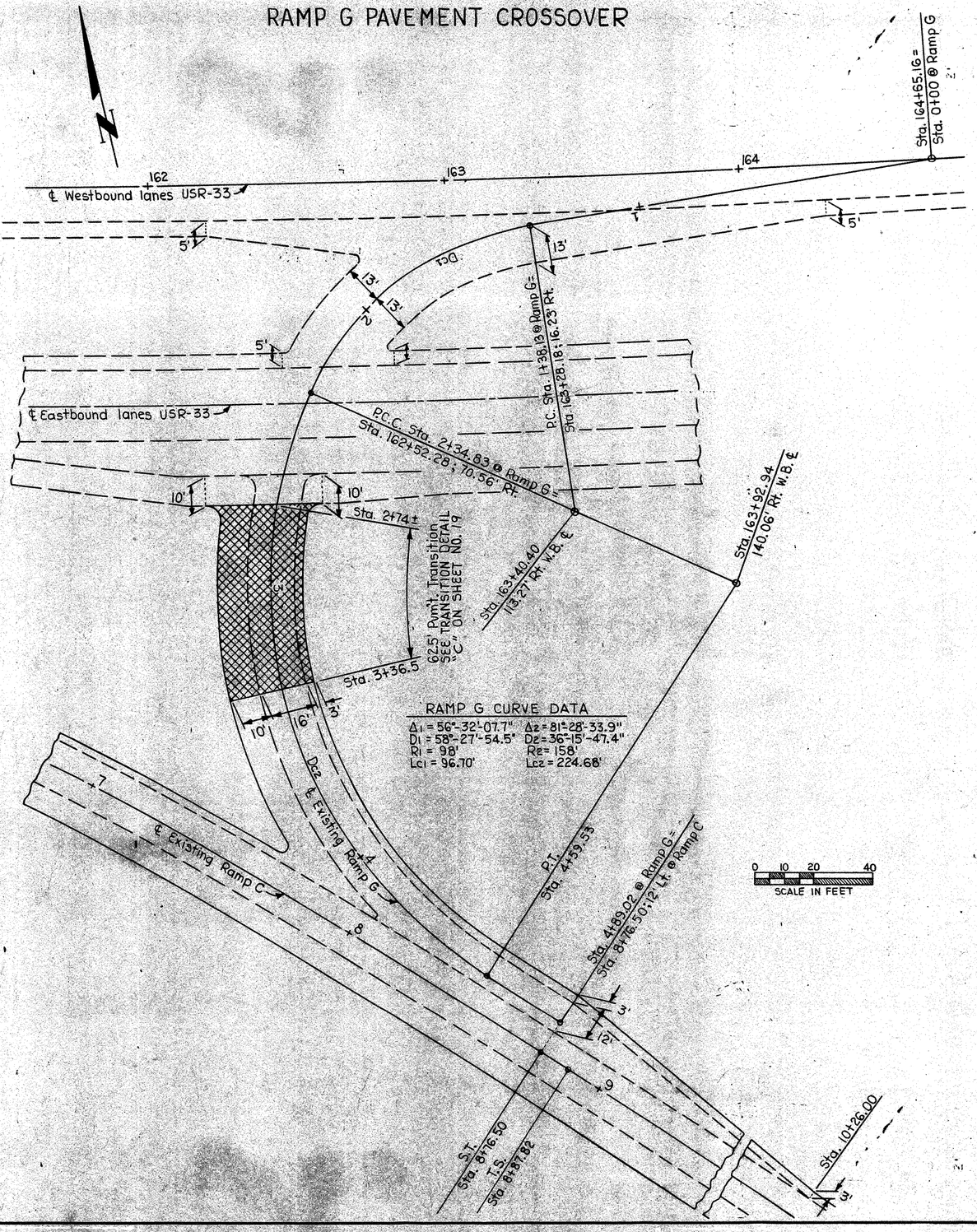
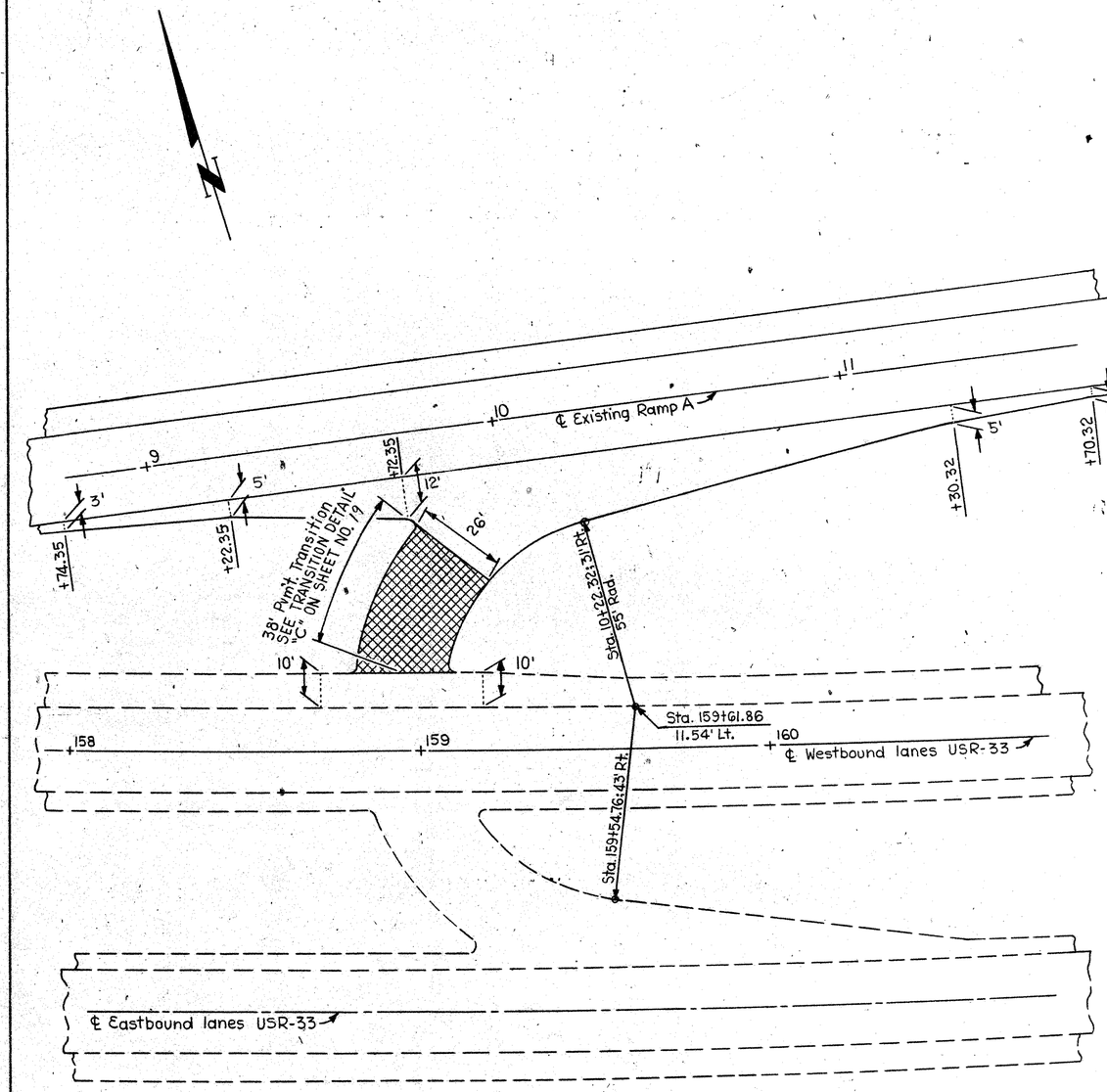
AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

RAMP G PAVEMENT CROSSOVER



RAMP A PAVEMENT CROSSOVER



I.R.-75 / U.S.R-33 INTERCHANGE RAMPS A AND G PAVEMENT CROSSOVERS

FHWA REGION	STATE	PROJECT	
5	OHIO		

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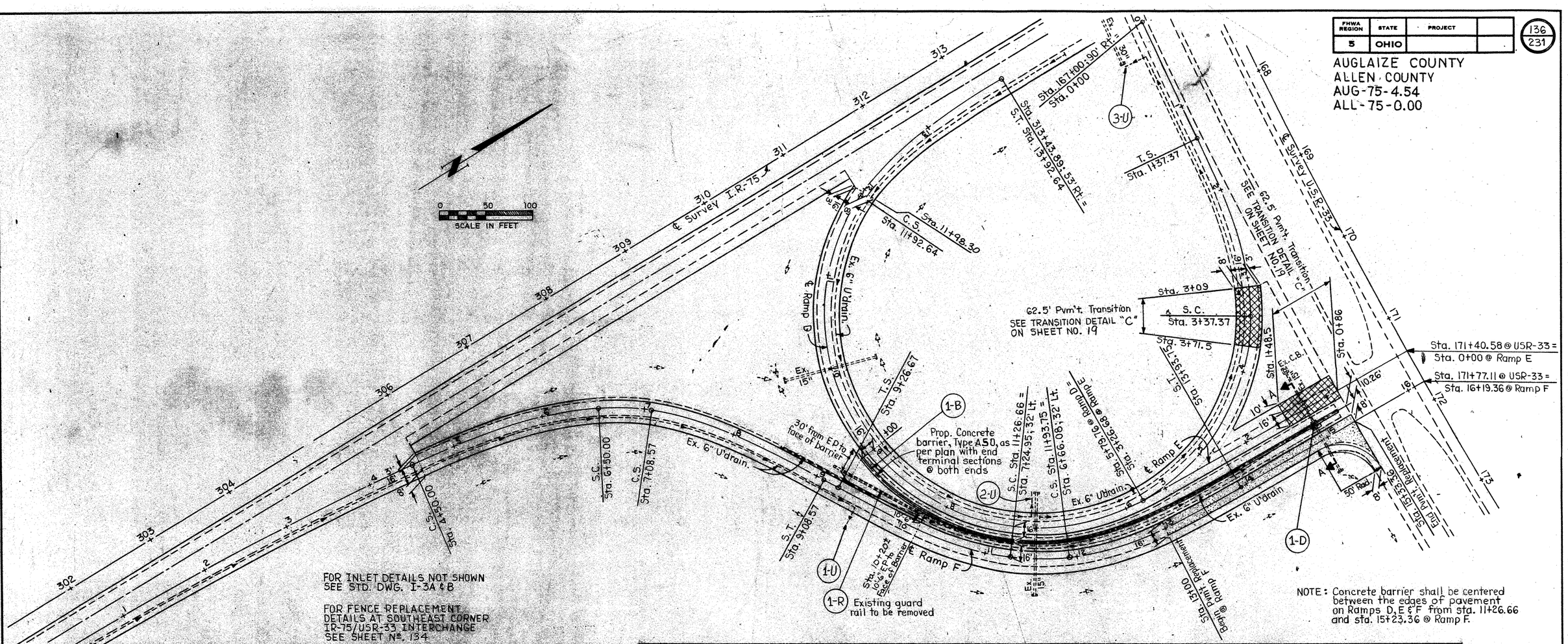
AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00



NOTE: Concrete barrier shall be centered between the edges of pavement on Ramps D, E & F from sta. 11+26.66 and sta. 15+23.36 @ Ramp F.

ESTIMATED QUANTITIES

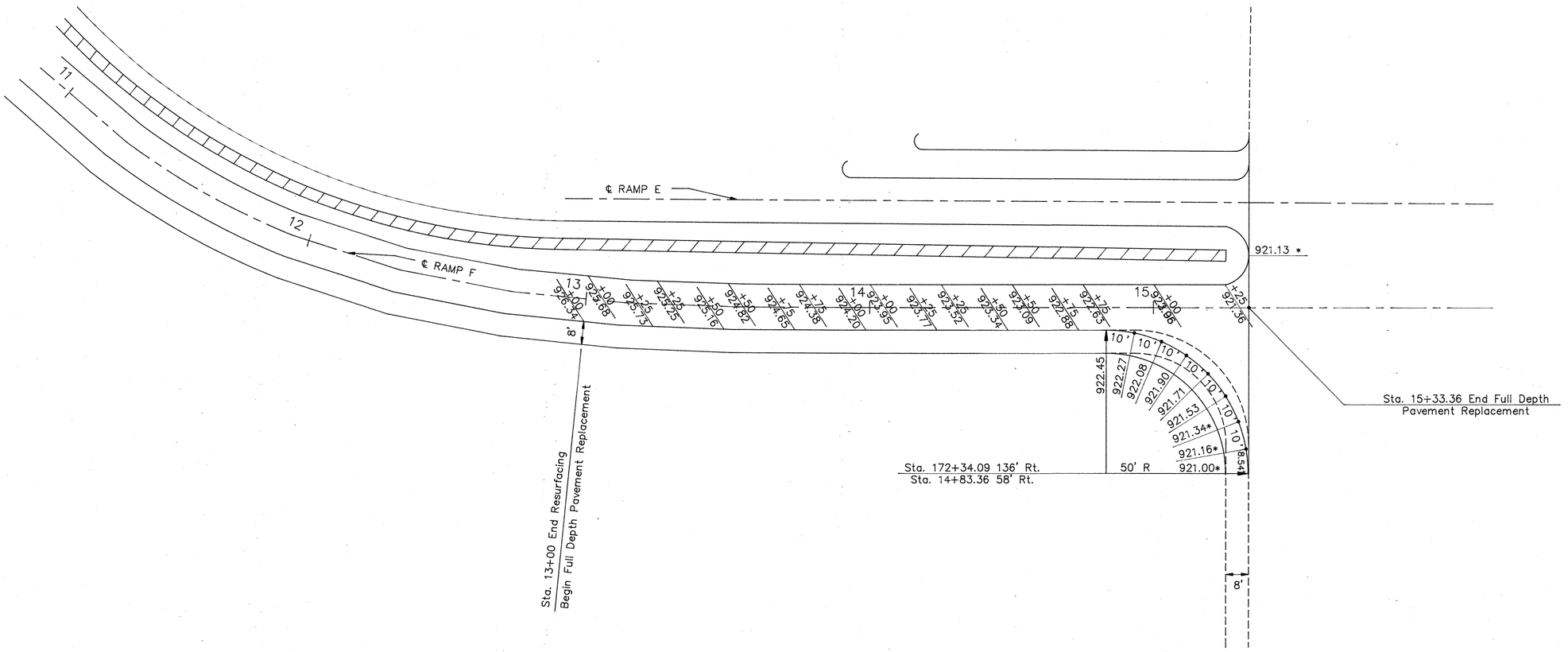
REF. NO.	LOCATION AND STATION	SIDE	ITEM 202 PIPE REMOVED 24" AND UNDER	ITEM 202 GUARD RAIL REMOVED BARRIER DESIGN		ITEM 202 CATCH BASIN REMOVED				ITEM 603 CONDUIT 15" TYPE C	ITEM 603 CONDUIT 8" TYPE F	ITEM 604 INLET Nº. 3A50 AS PER PLAN		ITEM 622 CONCRETE BARRIER TYPE A50 AS PER PLAN
			LIN. FT.	LIN. FT.		EACH				LIN. FT.		EACH		LIN. FT.
	Ramps D & E:													
1-B	9+00(D) to 0+96 (E)	Lt.												562
	Ramp F:													
1-R	9+06± to 14+06±			500										
1-D	14+93.36	Rt.	6			1				8	10	1		
	TOTALS CARRIED TO GENERAL SUMMARY		6	500		1				8	10	1		562

CONCRETE MEDIAN / MEDIAN INLET DETAILS FOR RAMPS D, E & F AT I.R.-75 / U.S.R.-33 INTERCHANGE

FHWA REGION	STATE	PROJECT	
5	OHIO		

137
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00



* ELEVATIONS MAY HAVE TO BE ADJUSTED IN THE FIELD AS DIRECTED BY THE ENGINEER

RAMP F PAVEMENT ELEVATION DETAIL

A:AU75PE3 19920108

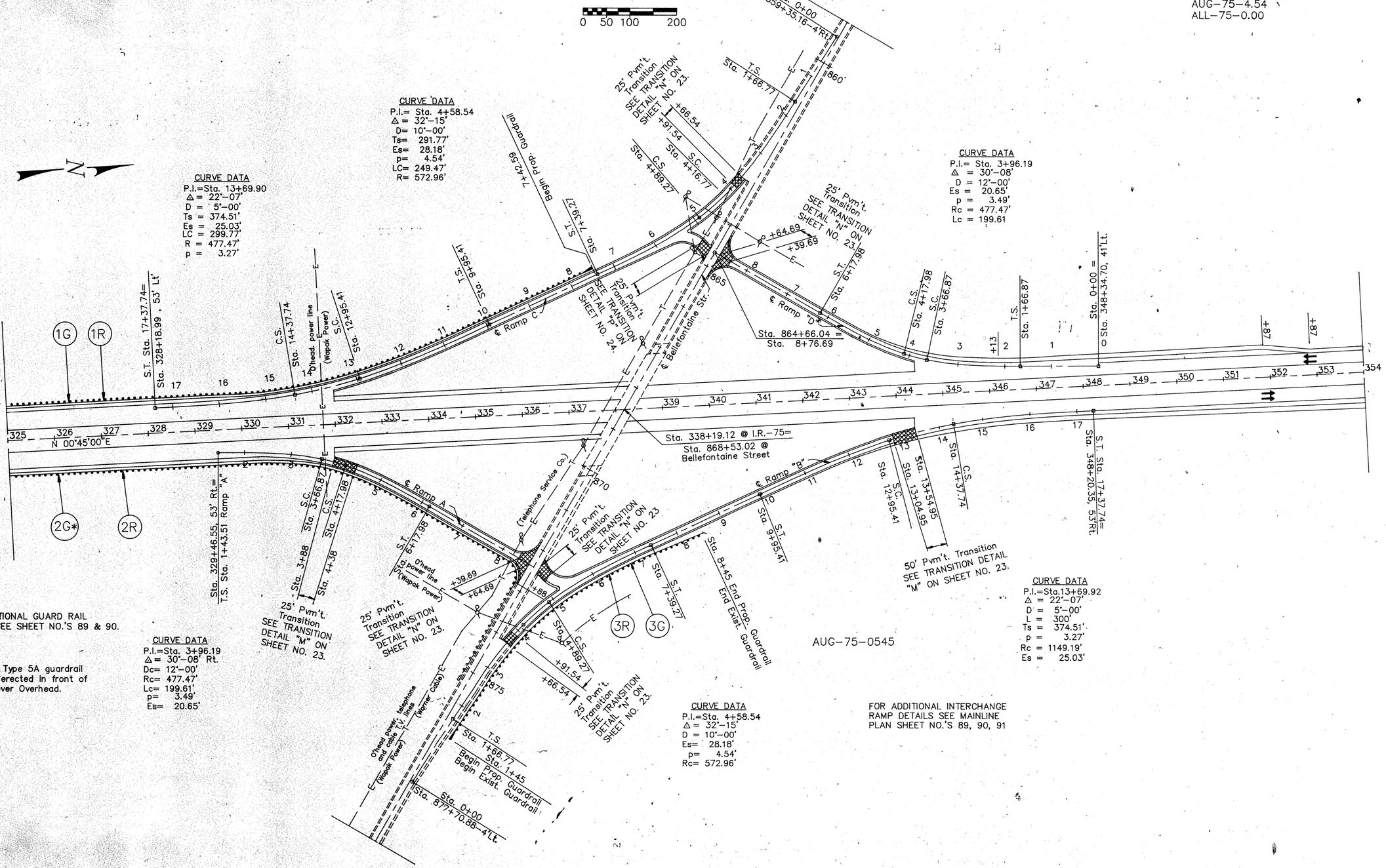
RAMP F ELEVATION DETAIL AT I.R.–75 / U.S.R–33 INTERCHANGE

I.R. 75 & BELLEFONTAINE ST. INTERCHANGE

FHWA REGION	STATE	PROJECT	
5	OHIO		

138/231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00



CURVE DATA
P.I.= Sta. 4+58.54
△ = 32°–15'
D = 10°–00'
Ts = 291.77'
Es = 28.18'
p = 4.54'
LC = 249.47'
R = 572.96'

CURVE DATA
P.I.=Sta. 13+69.90
△ = 22°–07'
D = 5°–00'
Ts = 374.51'
Es = 25.03'
LC = 299.77'
R = 477.47'
p = 3.27'

CURVE DATA
P.I.= Sta. 3+96.19
△ = 30°–08' Rt.
Dc= 12°–00'
Rc= 477.47'
Lc= 199.61'
p= 3.49'
Es= 20.65'

CURVE DATA
P.I.= Sta. 3+96.19
△ = 30°–08'
D = 12°–00'
Es = 20.65'
p = 3.49'
Rc = 477.47'
Lc = 199.61

CURVE DATA
P.I.=Sta.13+69.92
△ = 22°–07'
D = 5°–00'
L = 300'
Ts = 374.51'
p = 3.27'
Rc = 1149.19'
Es = 25.03'

CURVE DATA
P.I.=Sta. 4+58.54
△ = 32°–15'
D = 10°–00'
Es= 28.18'
p= 4.54'
Rc= 572.96'

FOR ADDITIONAL GUARD RAIL DETAILS SEE SHEET NO.'S 89 & 90.

* 25' of Type 5A guardrail to be erected in front of Cantilever Overhead.

FOR ADDITIONAL INTERCHANGE RAMP DETAILS SEE MAINLINE PLAN SHEET NO.'S 89, 90, 91

A:AU75ID2 19920204

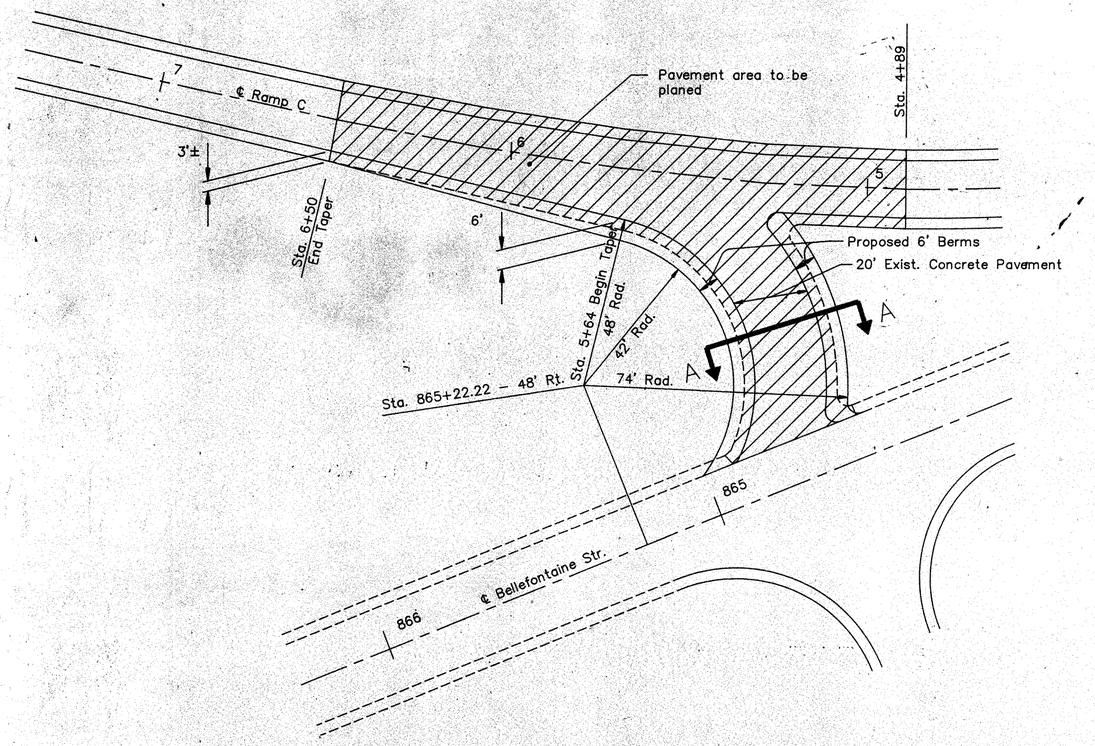
I.R. 75 & BELLEFONTAINE ST. INTERCHANGE

I.R.–75 & BELLEFONTAINE ST. RAMP B & C TURNOUT DETAILS

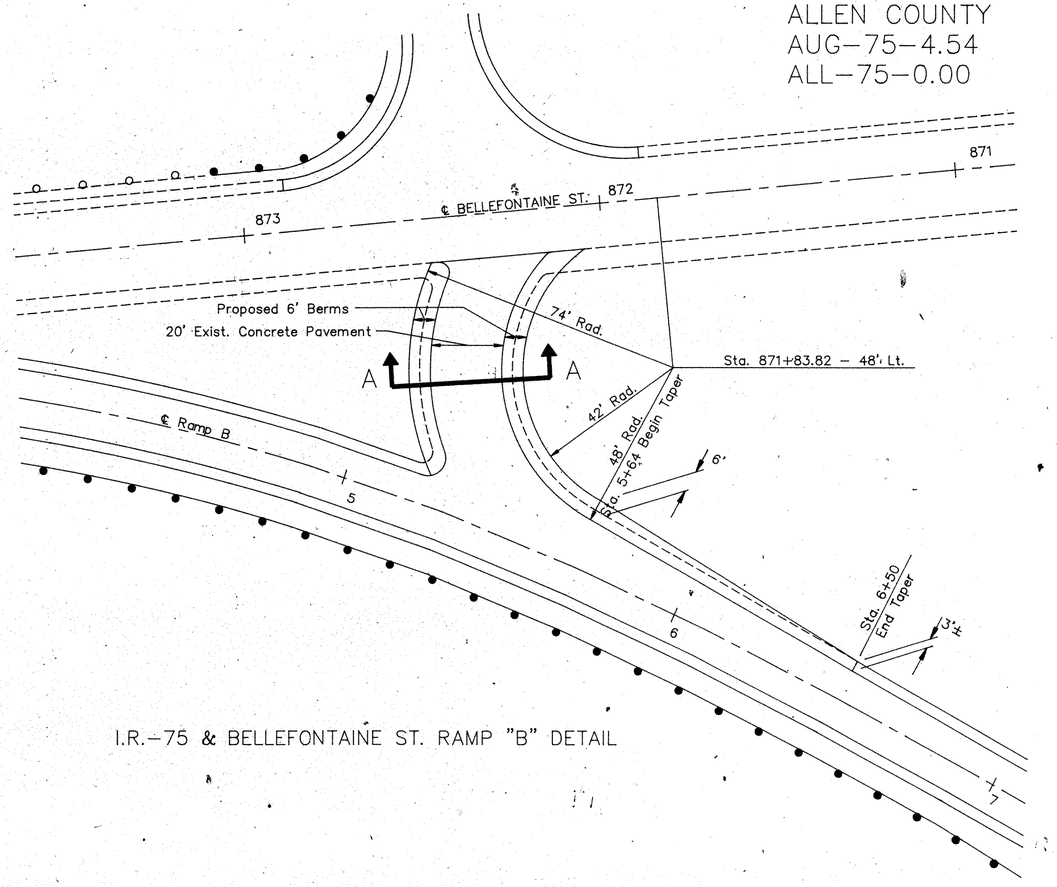
FHWA REGION	STATE	PROJECT	
5	OHIO		

138A
231

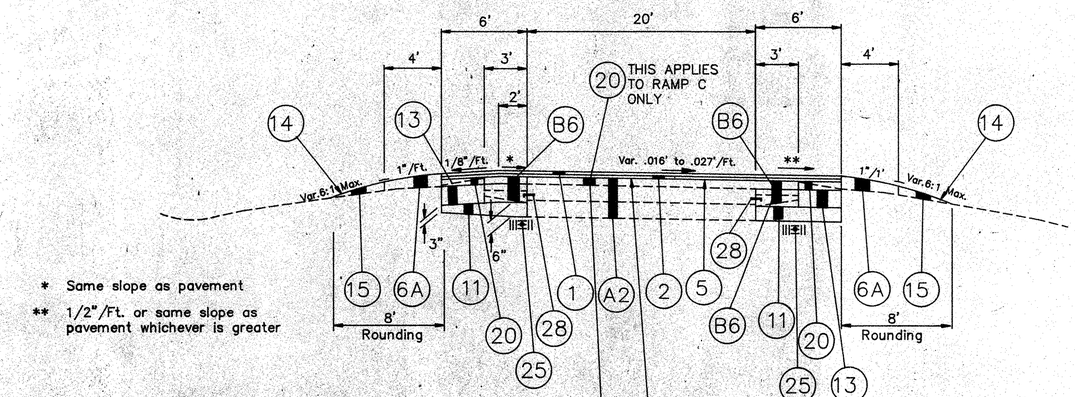
AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00



I.R.–75 & BELLEFONTAINE ST. RAMP "C" DETAIL



I.R.–75 & BELLEFONTAINE ST. RAMP "B" DETAIL



SECTION A–A

A:AU75ID5 19920207

I.R.–75 & BELLEFONTAINE ST. RAMP B & C TURNOUT DETAILS

S.R.67 PLAN

FHWA REGION	STATE	PROJECT	
5	OHIO		

139
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00

EXISTING STRUCTURE
TYPE: Continuous plate girders with reinforced concrete deck & substructure
SPANS: 78'–112'–127'–76' c/c Brgs.
R'DWAY. WIDTH: 49'–0" f/f 2' safety curbs
LOADING: CF–130 (51)
SKEW: 57° 5' 16"–15" L.Fwd.
APPR. SLABS: AS–1–54 (25' long)
ALIGNMENT: Tangent
WEARING SURFACE: 1" Mono. Concrete 1" L.M.C. overlay

15' Pvm't Transition
SEE TRANSITION DETAIL L
ON SHEET NO. 23

Sta. 1+60.00
Sta. 1+75.00
S.C. Sta. 2+00.00
Sta. 2+50
C.S. Sta. 2+59.94
S.T. Sta. 4+59.94

Sta. 114+25.16 ℄ S.R.–67
Sta 8+78.58 ℄ Ramp D

℄ Ex. S.R.–67

Sta. 8+50.40
Sta. 8+35.40

15' Pvm't. Transition
SEE TRANSITION
DETAIL "L" ON SHEET
NO. 23

℄ Ramp D

Sta. 115+85.79: 49.19' Rt. Begin Guardrail
Sta. 115+98.98 ± End Ex. Guardrail

Sta. 116+27.39 ± End Ex. Guardrail
Sta. 116+70.59 40.19' Lt. Begin Proposed Guardrail

FOR ADDITIONAL RAMP C
DETAILS SEE SHEET
NO'S 96 & 97 & 140

Sta. 118+25.52 21.25' Lt. End Guardrail

Sta. 117+40.72 30.25' Rt.

Sta. 430+76.08 ℄ I.R.–75 =
Sta. 119+86.82 ℄ S.R.–67

Sta. 121+47.21: 30.25 Rt. Begin Guardrail

Sta. 430+98.0: 53' Rt.=
Sta. 17+56.62 ℄ Ramp A

Sta. 122+32.01: 21.25' Lt. Begin Guardrail

Ex. Twin 30"

Sta. 123+02.14: 49.19' Rt. End Guardrail

Sta. 123+75 ± End Ex. Guardrail
Sta. 123+86.98 40.19' Lt. End Guardrail

1+51.84
1+66.84
S.C. Sta. 2+00

+73.36
+58.36

15' Pvm't Transition
SEE TRANSITION
DETAIL "L" ON
SHEET NO. 23

S.T. Sta. 15+30.33

15' Pvm't. Transition
SEE TRANSITION
DETAIL "L" ON SHEET
NO. 23

FOR CONCRETE MEDIAN
REMOVAL ON BRIDGE SEE
RESPECTIVE BRIDGE SHEETS

FOR CONCRETE MEDIAN
REMOVAL AND PROPOSED
BARRIER DETAILS SEE
SHEET NO'S. 59 & 141

N 21°43'00"E

2G 2R 2RS 1G 1R 1RS 3G 3R 3RS 4G 4R 4RS

A:AU75PP33 19920226

S.R.67 PLAN STA. 109+00 TO STA. 126+15

I.R. 75 & S.R. 67 INTERCHANGE

FHWA REGION	STATE	PROJECT	
5	OHIO		

140
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00

0 50 100 200

CURVE DATA
Δ 7°–47'–53"
D= 3°–00'
p = 0.87
Lc= 60.07
Es= 4.30
Rc=1909.88

CURVE DATA
Δ26°–01'–48" Lt.
Dc=7°–00'
p =5.18
Lc=121.86'
Es=26.84
Rc=818.51

CURVE DATA
Δ 1°–09'–15"
D= 0°–24'
R= 14,323.95'
L= 288.54
E= 0.72

CURVE DATA
Δ20°–35'–21"
Dc=3°–30"
p =1.02
Lc=388.26'
Es=27.72
Rc=1637.02'

FOR ADDITIONAL INTERCHANGE RAMP DETAILS SEE MAINLINE PLAN SHEET NO'S. 95, 96 & 97.

Sta. 107+79.57 12.62' Lt. =
Sta. 0+00.00

15' Pvm't. Transition
SEE TRANSITION DETAIL
"I" ON SHEET NO. 23

Sta. 14+59.00
Sta. 14+72.00
S.C.
Sta. 22+00.00
C.S.
Sta. 2+59.94
S.T.
Sta. 4+59.94

7U

SEE DETAIL "A"

31.25' Pvm't. Transition
SEE TRANSITION DETAIL
"J" ON SHEET NO. 22

Sta. 417+75.17 – 53' Lt.
T.S. Sta. 0+00.00

+17.99
+53.24
S.C.
Sta. 2+50.00
C.S.
Sta. 3+81.76
S.T.
Sta. 6+21.86

10U

℄ RAMP D

Sta. 8+35.40
Sta. 8+50.40

℄ S.R. 67

℄ RAMP C

Sta. 114+25.16 =
Sta 8+78.58

S.C.
Sta. 12+61.49

8U

31.25' Pvm't. Transition
SEE TRANSITION DETAIL
"I" ON SHEET NO. 22

+94.75
+26
9U
C.S.
Sta. 16+49.75

Sta. 437+96.86 – 48.34 Lt. =
S.T. Sta. 18+49.75

15' Pvm't. Transition
SEE TRANSITION DETAIL
"L" ON SHEET NO. 23

Sta. 430+76.08 @ I.R.–75 =
Sta. 119+86.82 @ S.R.–67

N 21°43'00"E

Sta. 422+56.65 – 49.72 Rt.
T.S. 0+00.00

+59
S.C.
Sta. 2+00
C.S.
Sta. 3+77.15
+81.25
Sta. 4+77.15
S.T.

6U

℄ RAMP B

Ex. 21"

CURVE DATA
Δ 121°–21'–20"
D= 25°
R= 229.18
L= 385.42
E= 243.62

CURVE DATA
Δ121°–21'–20"
Dc= 25°–00'
p = 7.22
Lc= 305.42
Es= 250.77
Rc= 229.18'

5U
4U

C.S. 15+56.62

S.T. Sta. 17+56.62 =
Sta. 430+98.00 53' Rt.

℄ RAMP A

T.S. Sta. 0+00

15' Pvm't. Transition
SEE TRANSITION DETAIL
"I" ON SHEET NO. 23

+51.84
+66.84
S.C. Sta. 2+00

CURVE DATA
Δ 138°–52'–29"
Dc= 25°–00'
p = 7.22
Lc= 455.50'
Es= 443.76
Rc= 229.18'

AUG–75–0720

Sta. 125+64.60 @ S.R.–67 =
Sta. 16+85.36 @ Ramp B

+73.36
+56.36

S.T. Sta. 15+30.33

15' Pvm't. Transition
SEE TRANSITION DETAIL
"I" ON SHEET NO. 23

Ex. 8"

T.S.
Sta. 6+28.95

+66
+85

3U

P.C.C. Sta.11+71.20

CURVE DATA
Δ 67°–02'–26"
D= 13°–00'
R= 440.74'
L= 515.70'
E= 89.95

2U

P.C.C. Sta. 6+55.50

+89

1U

S.C.
Sta. 6+28.95

CURVE DATA
Δ49°–53'–11"
Dc=18°–00'
p =5.22
Lc=77.15'
Es=37.05
Rc=318.31'

℄ Ramp "C"

℄ S.R. 67

15' Pvm't. Transition
SEE TRANSITION DETAIL
"L" ON SHEET NO. 23

DETAIL "A"

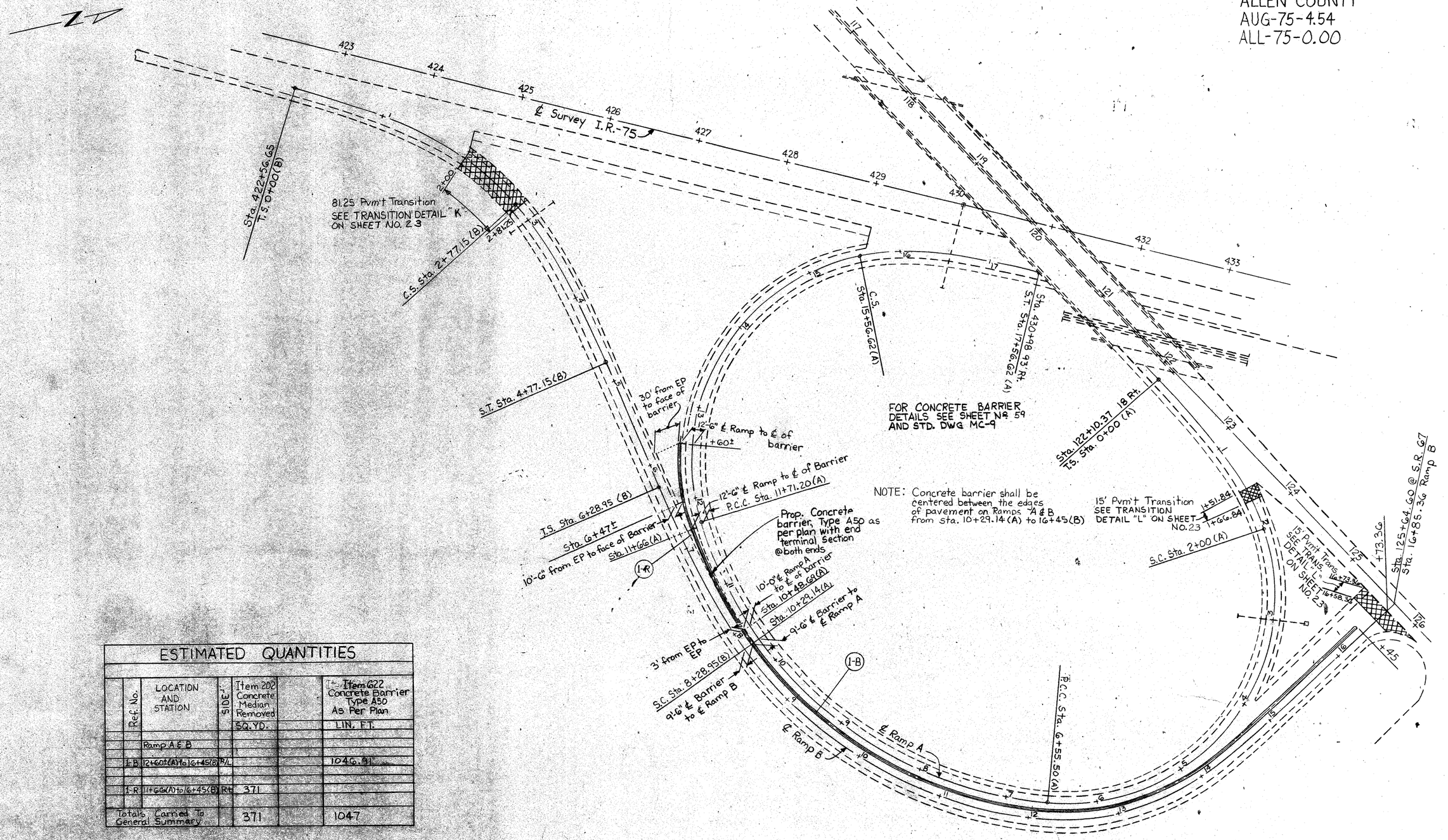
A:AU75ID3 19920213

CONCRETE MEDIAN DETAIL FOR RAMPS A AND B I.R.-75 / S.R. G7 INTERCHANGE

FHWA REGION	STATE	PROJECT	
5	OHIO		

141
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00



ESTIMATED QUANTITIES

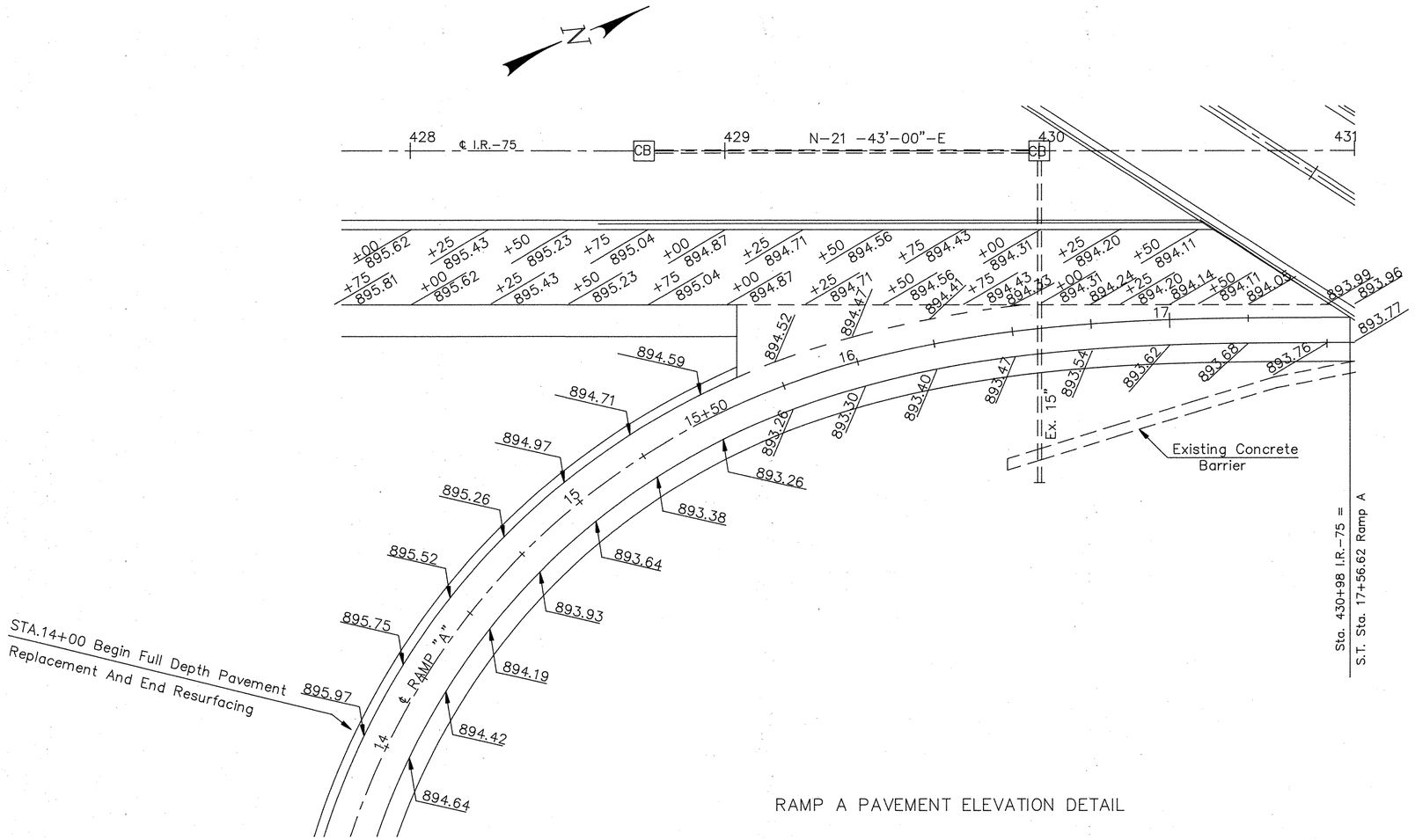
Ref. No.	LOCATION AND STATION	SIDE	Item 202 Concrete Median Removed		Item G22 Concrete Barrier Type A50 As Per Plan
			SQ. YD.		LIN. FT.
	Ramp A & B				
I-B	12+60± (A) to 16+45 (B)	Rt.			1046.91
I-R	11+66 (A) to 16+45 (B)	Rt.	371		
Totals Carried To General Summary			371		1047

CONCRETE MEDIAN DETAIL FOR RAMPS A & B I.R.-75 / S.R. G7 INTERCHANGE

FHWA REGION	STATE	PROJECT	
5	OHIO		

142
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00



RAMP A PAVEMENT ELEVATION DETAIL

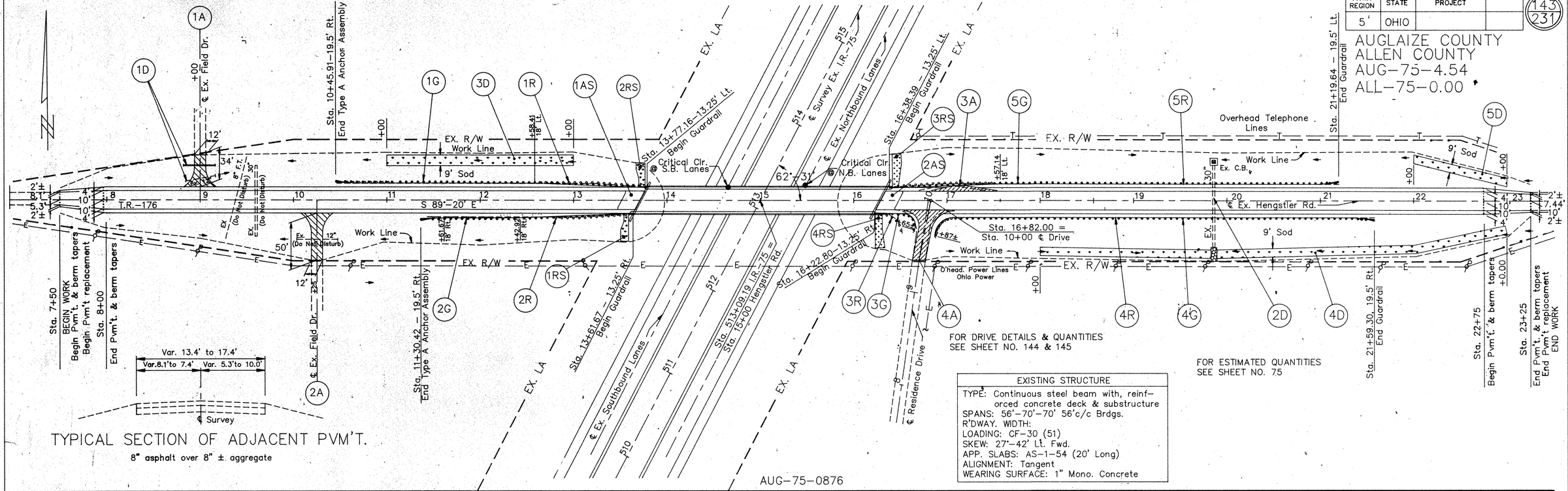
A:AU75PE1 19920108

RAMP A PAVEMENT ELEVATION DETAIL AT I.R.–75\S.R.–67 INTERCHANGE

FHWA REGION	STATE	PROJECT	
5	OHIO		

143
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00



TYPICAL SECTION OF ADJACENT PVM'T.

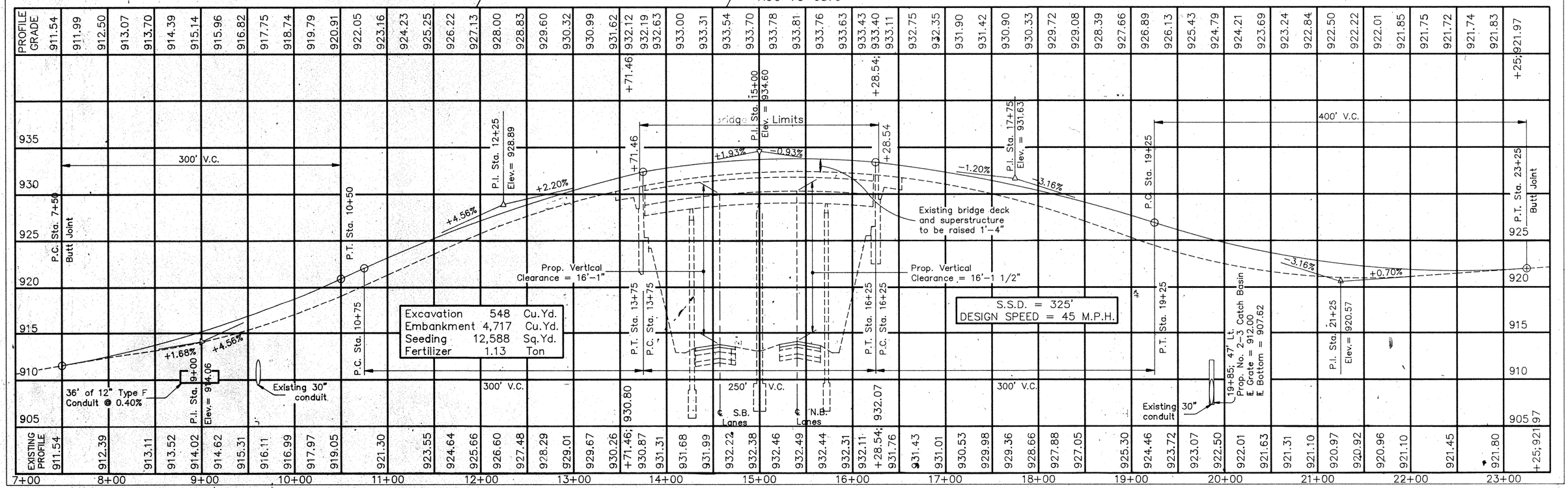
8" asphalt over 8" ± aggregate

FOR DRIVE DETAILS & QUANTITIES
SEE SHEET NO. 144 & 145

FOR ESTIMATED QUANTITIES
SEE SHEET NO. 75

EXISTING STRUCTURE
TYPE: Continuous steel beam with, reinf-orced concrete deck & substructure
SPANS: 56'-70'-70' 56'c/c Brdgs.
R'DWAY. WIDTH:
LOADING: CF-30 (51)
SKEW: 27°-42' Lt. Fwd.
APP. SLABS: AS-1-54 (20' Long)
ALIGNMENT: Tangent
WEARING SURFACE: 1" Mono. Concrete

AUG-75-0876



Excavation	548	Cu.Yd.
Embankment	4,717	Cu.Yd.
Seeding	12,588	Sq.Yd.
Fertilizer	1.13	Ton

S.S.D. = 325'
DESIGN SPEED = 45 M.P.H.

A:AU75PP30 19920210

PLAN & PROFILE STA. 7+00 TO STA. 23+50 HENGSTLER ROAD

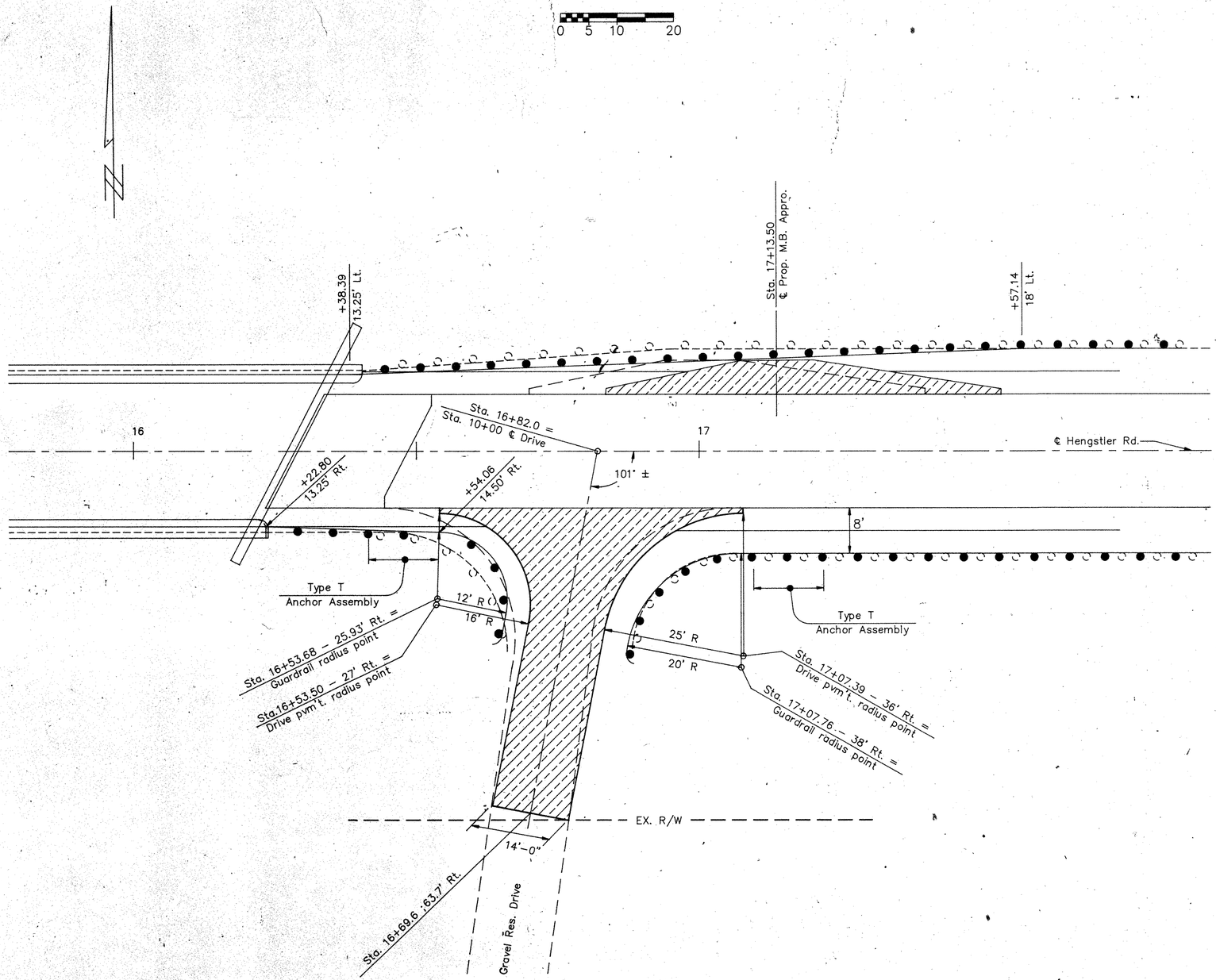
FHWA REGION	STATE	PROJECT	
5	OHIO		

144
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00

HENGSTLER ROAD DRIVE DETAIL

0 5 10 20



FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		

145
2.31

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

SEEDING END WIDTH	SEEDING SQ. YDS.
	90
	989
	88
	767
-72	Deduct for drive rt.
	96
	256
	88
	894
-98	Deduct for drive lt.
	73
	639
	42
	145
	10

70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70

Proposed guardrail
926.32
926.32
Proposed guardrail
927.13
12+00
925.66
Sta. 11+36.67; 19.5' Rt
Proposed guardrail
anchor assembly
RW
4
3:1
2:1
915.0
915.5
3
3:1
46
88
60
Sta. 11+00
Begin Sod @ Lt.
923.00
923.00
9' Sod
3
3:1
2.25:1
912.0
923.16
11+00
921.30
10%
3:1
Ex. 914.3
RW
Sta. 10+45.91; 19.5' Lt.
Proposed guardrail
anchor assembly
919.63
Proposed drive grade = 15% ±
Sta. 10+25; 64' Rt.
End proposed drive
@ 912.1±
919.79
10+25 FIELD DRIVE Rt.
917.97
3:1
Ex. 12" C.M.P. (DO NOT DISTURB)
Fl. 910.3
Sta. 10+25
Add for drive rt.
918.58
918.58
3:1
90
2:1
915.99 CALC.
915.99
(CALC.)
910.5
909.56
2
3:1
4:1
2:1
Ex. 30" @ 0.10%
STA. 9+60-37' LT
Ex. 30" (Do Not DISTURB)
STA. 9+60-39' Rt.
Ex. 30" (Do Not DISTURB)
909.0 Ex.
Ex. 8" F.T.
(DO NOT DISTURB)
Sta. 9+00.48' Lt.
End proposed drive
@ 911.5±
Std. 9+18; 37.0' Lt.
Fl. Prop. 12" Type F
conduit = 909.72
914.98
914.98
Proposed drive grade = 10% ±
9
4:1
2
25
3.8:1±
4:1
29
Sta. 9+18
Add for drive lt.
915.14
9+00 FIELD DRIVE Lt.
914.02
Ex. 8" F.T.
(DO NOT DISTURB)
909.8
Ex. 12" C.M.P.
(REMOVE)
Sta. 8+82; 33.3' Lt.
Fl. Prop. 12" Type F
conduit = 909.86
10'
912.34
10'
912.34
11
3:1
4:1
8
1
19
1
10
4:1
3
3:1
910.3
910.3
912.50
8+00
912.39
Sta. 8+82
8:1±
911.41
5.3'
911.46
15
3
3
Ahead Only
Ex. 910.5
Ex. 908.7
911.54
7+50 BEGIN WORK
911.54 ZERO SECTION
STA. 7+50
STA 7+50
RW

	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
	7	88		
			19	356
	3	104		
Add for drive rt.			17	3
			9	2.78
Sta. 10+25	3	96		
			3	87
	2	90		
			17	236
Sta. 9+18	9	65		
Add for drive lt.			12	2
			3	39
	0	50		
			3	33
Sta. 8+82	9	47		
			67	99
	35	18		
			52	17
STA 7+50	21	0		

X-SECTIONS STA 7+50 TO STA 12+00 ℄ HENGSTLER ROAD

FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		

146
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

SEEDING END WIDTH	SEEDING SQ. YDS.
	101
	222
-98	Deduct for drive rt.
98	
	521
86	Sta. 16+29.04 Ahead Only
	420 Add for seeding between abutments
71	Sta. 13+70.96 Back Only
	604
82	
	956
90	Sta. 12+00

Proposed guardrail
Proposed guardrail
932.35
17+00
931.01
2:1
2:1
RW
3:1
3:1
917.0
915.0
932.58
931.83
Proposed drive grade = 12.0%±
Sta. 16+69.6; 53.7' Rt. End prop. drive
Ex. gravel drive
932.74
16+80 RESIDENCE DRIVE RT.
931.39
933.27
933.27
84
Ft. of sod flume @ sta. 16+41.5 SEE STD. DWG. MC-7 FOR EROSION CONTROL DETAILS AT BRIDGES
Ft. of sod flume @ sta. 16+31.1
933.43
16+29.04 BACK OF ABUTMENT AHEAD ONLY
932.00
2:1
2:1
919.5
932.03
932.03
69
Ft. of sod flume @ sta. 13+74.0
Ft. of sod flume @ sta. 13+58.5 SEE STD. DWG. MC-7 FOR EROSION CONTROL DETAILS AT BRIDGES
2:1
2:1
932.19
13+70.96 BACK OF ABUTMENT BACK ONLY
930.72
923.0
Proposed guardrail
Proposed guardrail
930.16
930.16
72
Sta. 13+00 End Sod @ Lt.
9' Sod
7'
2:1
2:1
RW
3:1
930.32
13+00
929.01
919.0
RW

	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
	7	101		
			4	69
Add for drive rt.			22	4
Sta. 16+80	2	83		
			2	158
Sta. 16+29.04 Ahead Only	0	84		
Add for earthwork between abutments			0	175
			7	72
			26	297
Sta. 13+70.96 Back Only	0	69		
			10	186
Sta. 12+00	7	88		

	Cu. Yd.	Cu. Yd.	Sq. Yd.	Ton
Excavation	548			
Embankment	4,717			
Seeding			12,588	
Fertilizer				1.13

Quantities carried to sheet no. 80

X-SECTIONS STA. 13+00 TO STA. 17+00 ℄ HENGSTLER ROAD

FED. RD. DIVISION	STATE	PROJECT	
5	OHIO		

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

147
231

SEEDING END WIDTH	SEEDING SQ. YDS.
20	114
	62
	884
	97
	1078
	97
	1072
	96
	1078
	98
	1100
	100
	1117
	101

Sta. 23+25 BACK ONLY

Sta. 23+00 End sod @ Lt. 9' Sod

Sta. 23+00 End Sod @ Rt. 9' Sod

Sta. 22+00 Begin Sod @ Lt. 9' Sod

Same Slope As Existing

Same Slope As Existing

Existing catch basin to be removed

Prop. 2-3 Catch Basin Ft. Grate 912.0 Ft. Bottom And 30" 907.62

Ex. Ft. 907.57

Prop. 6' Of 30" Type C Conduit *

Ex. 30" @ 1.30%

* Place Concrete Collar As Per Std. Dwg MC-4

Sta. 22+75 Begin Pavt. And Berm Flares

Sta. 21+19.64; 19.5' Lt. Proposed guardrail anchor assembly

Sta. 21+58; 19.5' Rt. Proposed guardrail anchor assembly

Proposed guardrail

Proposed guardrail

Proposed guardrail

Sta. 16+87.5 Begin sod @ Rt.

Prop. 6' of 30" Type C Conduit *

Ex. 30" @ 1.30%

Ex. Ft. 906.4

Ft. 906.35

Prop. HW-4A or HW-4B headwall

Prop. Rock Channel Protection 5'x11'x2'-6"

Existing headwall to be removed under Item 202 Portions of Structures Removed

Sta. 16+82.5 End sod @ Rt.

Sta. 18+00 Begin sod @ Rt. 9' Sod

Sta. 12+00

Sta. 23+25 BACK ONLY

921.97
23+25 END WORK
921.97 BACK ONLY

921.83
23+00
921.80

921.85
22+00
921.10

922.84
21+00
921.10

924.79
20+00
922.50

927.66
19+00
92530

930.33
18+00
92866

924.01 CALC.

921.9

924.01 (CALC)

921.9

919.3 Ex.

919.0 Ex.

914.0

912.5

912.0

912.5

915.0

9180 ±

917.5 ±

913.0

909.0

906.5 ±

910.0

913.0

ESTIMATED QUANTITIES

Item 202	Catch Basin Removed	1 Each
Item 202	Portions of Structures Removed	Lump
Item 601	Rock Channel Protection, Type C with Filter	5 Cu. Yd.
Item 602	Concrete Masonry	0.56 Cu. Yd.
Item 603	30" Conduit, Type C	12 Lin. Ft.
Item 604	Catch Basin, Type 2-3	1 Each

QUANTITIES CARRIED TO SHEET No. 15

END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
21	0		
		21	4
24	8		
		86	108
22	50		
		56	263
8	92		
		25	510
5	183		
		26	728
9	210		
		36	633
10	132		
		32	432
7	101		

X-SECTIONS STA. 18+00 TO STA. 23+25 E HENGSTLER ROAD

FHWA REGION	STATE	PROJECT		148 / 231
5	OHIO			

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

NOTE: Transition proposed curb height from 6" to 2" in 10'. Proposed curb to match existing curb configuration @ sta. 7+54.10 Lt. & Rt. ℄

PROPOSED STRUCTURE

TYPE: Continuous steel beam with reinf. concrete deck and substructure.
SPANS: 50'-62.5'-62.5'-50' brgs.
ROADWAY: 49'-0" f/f 2'0" safety curbs (include median)
LOAD FREQUENCY: CF = 130 (51).
SKEW: None
WEARING SURFACE: 3/4: Monolithic
APPROACH SLABS: AS-1-54 (20' long)
Alignment: Tangent

Excavation	0	Cu. Yd.
Embankment	167	Cu. Yd.
Seeding	384	Sq. Yd.
Fertilizer	0.04	Ton

A:AU75PP31 19910708

PLAN & PROFILE STA. 4+03.57 TO STA. 20+18.15 NATIONAL ROAD

FED. NO. DIVISION	STATE	PROJECT	
5	OHIO		

AUGLAIZE COUNTY
ALLEN COUNTY
AUG – 75–4.54
ALL – 75–0.00

149
231

SEEDING

END WIDTH	SQ. YDS.
20	16
34	50
43	100
64	133
79	64
36	21
20	

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110

End Prop. G.R. @ +34.7 w/ Type I Bridge Terminal Assembly

Sta. 10+50 Zero Section

End Prop. G.R. @ +34.7 w/ Type I Bridge Terminal Assembly

E of sod flume @ sta. 10+31.53 SEE STD. DWG. MC-7 FOR EROSION CONTROL DETAILS AT BRIDGES

E of sod flume @ sta. 10+31.53 SEE STD. DWG. MC-7 FOR EROSION CONTROL DETAILS AT BRIDGES

Sta. 10+50

Sta. 10+34.83

2.5:1 2.5:1± 3:1± 3:1± 3.2:1 3:1 3:1± 4:1 4:1± 4:1 4:1± 4:1 4:1± 4:1 4:1±

17' 6 17' 6 17' 12 17' 8 17' 12 17' 8 17' 16 17' 12 17' 4 17' 4 17' 4 17' 3

918.52 10+34.83 918.23

917.48 10+00 917.19

916.57 9+50 916.28

915.39 9+00 915.10

910.53 7+70 910.24

908.71 7+00 908.42

End Guardrail +85.97–48.25 Lt. w/Type A Anchor Assembly

End Guardrail +85.97–39.25 Rt. w/Type A Anchor Assembly

Sta. 7+50 Zero Section

Sta. 7+50

Sta. 7+40

	Cu. Yd.
Excavation	0
Embankment	167
Seeding	384 Sq. Yd.
Fertilizer	0.04 Ton

Quantities carried to sheet no.

	END AREA CUT	END AREA FILL	VOLUME CUT	VOLUME FILL
Sta. 10+50	0	0		
			0	42
Sta. 10+34.83	0	12		
			0	21
	0	20		
			0	37
	0	20		
			0	44
	0	28		
			0	20
	0	8		
			0	3
Sta. 7+40	0	0		

X-SECTIONS STA. 7+00 TO STA. 10+34 & NATIONAL ROAD

I.R. 75 & NATIONAL ROAD INTERCHANGE

FHWA REGION	STATE	PROJECT	
5	OHIO		

150/231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00

0 50 100 200

N

County Road 25A

Sta. 4+29.07
Sta. 4+44.07

15' Pvm't Transition
SEE TRANSITION DETAIL
"L" ON SHEET No. 23

Telephone Service Co.

℄ NATIONAL ROAD

CURVE DATA
P.I. STA. 2+59.09(A)
Δ= 24°–58'–45" Lt.
Dc= 8°–00'
Rc= 716.20'
T= 259.09'
Lc= 199.83'
Es= 19.72'

31.25' Pvm't Transition
SEE TRANSITION DETAIL
"J" ON SHEET NO. 22

T.S. Sta. 688+90.85
Sta.0+00 (A)

1U
S.C. Sta. 2+00.00
+80.5
8'
+87.74
C.S. Sta. 3+12.24
+80.5

2U

Sta. 8+00 (National Rd.)
Sta. 9+56.34 (A) = 0+00 (B)

+27.88
+28.46

℄ Ramp A

12'–6" Transition
SEE TRANSITION "O"
ON SHEET No. 24

Sta. 10+24.30
Sta. 10+36.80

Sta. 697+93.33 @ I.R.–75=
Sta. 11+50 @ National Rd.

℄ Ramp B

3U
T.S. Sta. 4+65.16(B)
Ex. 30"

CURVE DATA
P.I. STA. 7+36.14(B)
Δ= 20°–16'–15" Lt.
Dc= 6°–00'
Rc= 954.93'
T= 270.98'
Lc= 137.85'
Es= 16.86'

31.25' Pvm't. Transition
SEE TRANSITION DETAIL
"J" ON SHEET NO. 22

S.C. Sta. 6+65.16(B)
+97.75
+89
4U
C.S. Sta. 87+03.01(B)
+29.00
+89

S.T. Sta. 10+03.01(B)

Sta. 708+84.08
Sta. 0+00

Sta. 0+19.40–41 Lt. I.R.75
Sta. 11+71.16 (B)

Sta. 3+00
END WORK

+37
+37

685 686 687 688 689 690 691 692 693 694 695 696 697 699 700 701 702 703 704 705 706 707 708 0 1 2 3 4 5

N 00°55'00"E

12'–6" Transition
SEE TRANSITION "O"
ON SHEET No. 24

Sta. 12+63.40
Sta. 12+75.90

℄ Ramp C

Sta. 697+16.16–41 Rt.=
Sta. 0+00 @ Ramp C

T.S. Sta.2+50.00
5U
S.C. Sta. 4+50.00
S.T Sta. 15+15.08
+19.43
+65
6U
S.T. 6+03.08
C.S. Sta. 13+15.08
+13
+01.15
+30.98
+76
Ex. 15"
℄ Ramp D
T.S. Sta. 6+67.93
S.C. Sta. 8+67.93
+97.75
+90.15
C.S. Sta. 9+90.15
S.T. Sta. 11+90.15 = Sta. 707+83.87–53 Rt.

81.25' Pvm't Transition
SEE TRANSITION DETAIL
"K" ON SHEET NO. 23

AUGLAIZE COUNTY
ALLEN COUNTY

Ohio Power
3 lines(unknown)

Ex. 15"
7U
S.C. Sta. 3+56.09(D)
C.S. Sta. 4+03.06(D)
+26.17
T.S. 1+56.09
+15
+13

Sta. 17+03.15 @ National Road.=
Sta. 0+00 @ Ramp D

+12
+83
Ex. 36"
1G
1R

RAMP D
CURVE DATA
P.I. STA. 3+93.96
Δ= 57°–01'–15"
Dc= 23°–05'–11"
Rc= 248.18'
T= 237.87'
Lc= 46.99'
Es= 42.74'

RAMP C
CURVE DATA
Δ= 266°–16'–15"
Dc= 25°
Rc= 229.18'
Es= 133.59'

CURVE DATA
P.I. STA. 00
Δ= 58°–00'
Dc= 18°
Rc= 318.31'
T= 279.01'
Lc= 122.22'
Es= 51.61'

Sta. 20+03.15
Sta. 20+18.15

15' Pvm't Transition
SEE TRANSITION DETAIL
"L" ON SHEET No. 23

FOR ADDITIONAL INTERCHANGE
RAMP DETAILS SEE MAINLINE
PLAN SHEET NO.'S 113, 114,
115 and 116.

AUG–75–12.34

A:AU75ID4 19920214

CONCRETE MEDIAN DETAIL FOR RAMPS C AND D I.R-75/NATIONAL ROAD INTERCHANGE

FHWA REGION	STATE	PROJECT	
5	OHIO		

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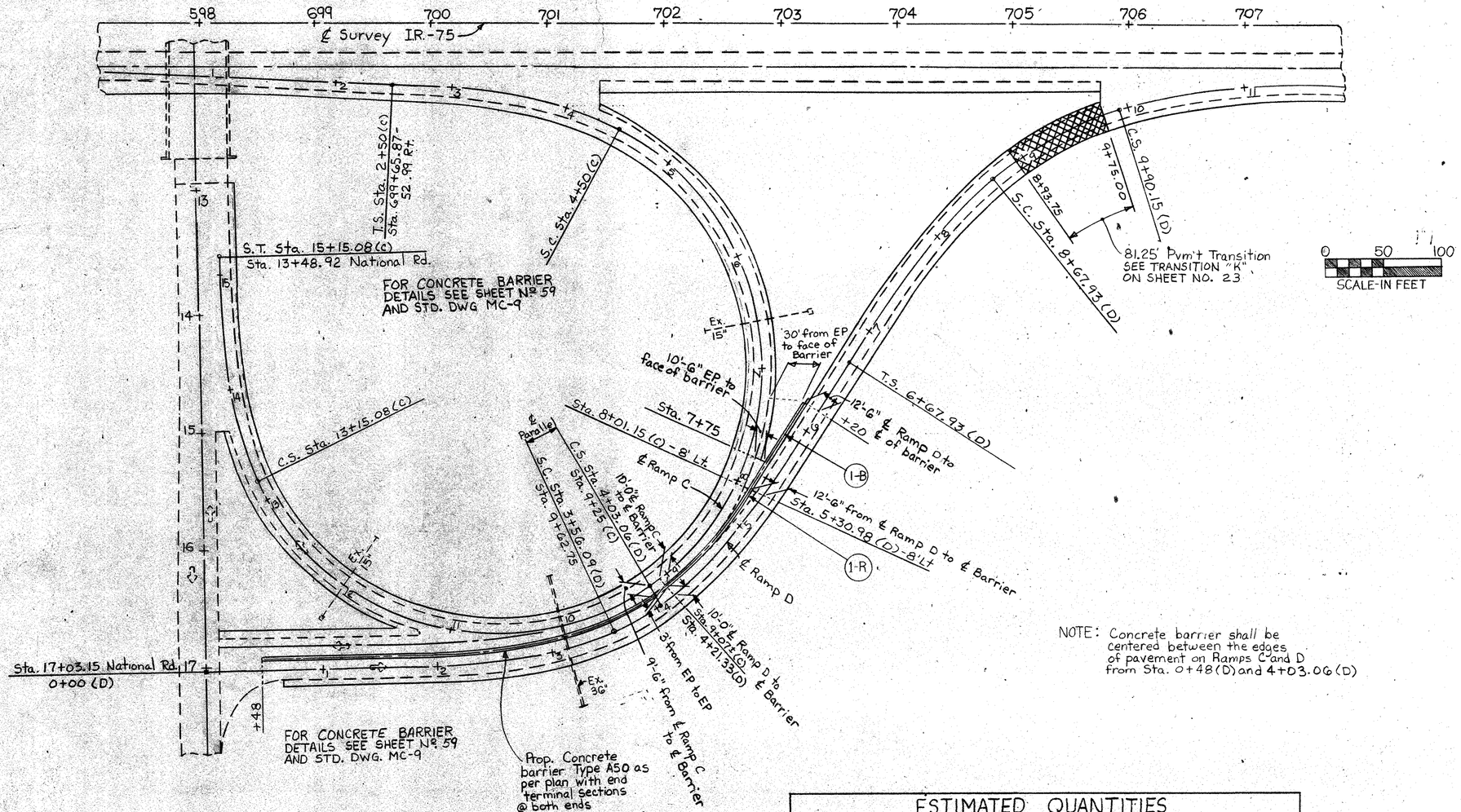
AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00



NOTE: Concrete barrier shall be centered between the edges of pavement on Ramps C and D from Sta. 0+48(D) and 4+03.06(D)

ESTIMATED QUANTITIES

REF. NO.	Location and Design	SIDE	Item 202 Concrete Median Removed		Item 622 Concrete Barrier Type A50 As Per Plan
			SQ. Yd.		LIN. FT.
	Ramp D				
1-B	Sta. 0+48(D) to				
	Sta. 6+20±(D)	Lt.			572
1-R	Sta. 0+48 to 5+30.98	Lt.	210.74		
TOTALS CARRIED TO GENERAL SUMMARY			211		572

CONCRETE MEDIAN DETAIL FOR RAMPS C & D I.R.-75/NATIONAL ROAD INTERCHANGE

FHWA REGION	STATE	PROJECT	
5	OHIO		

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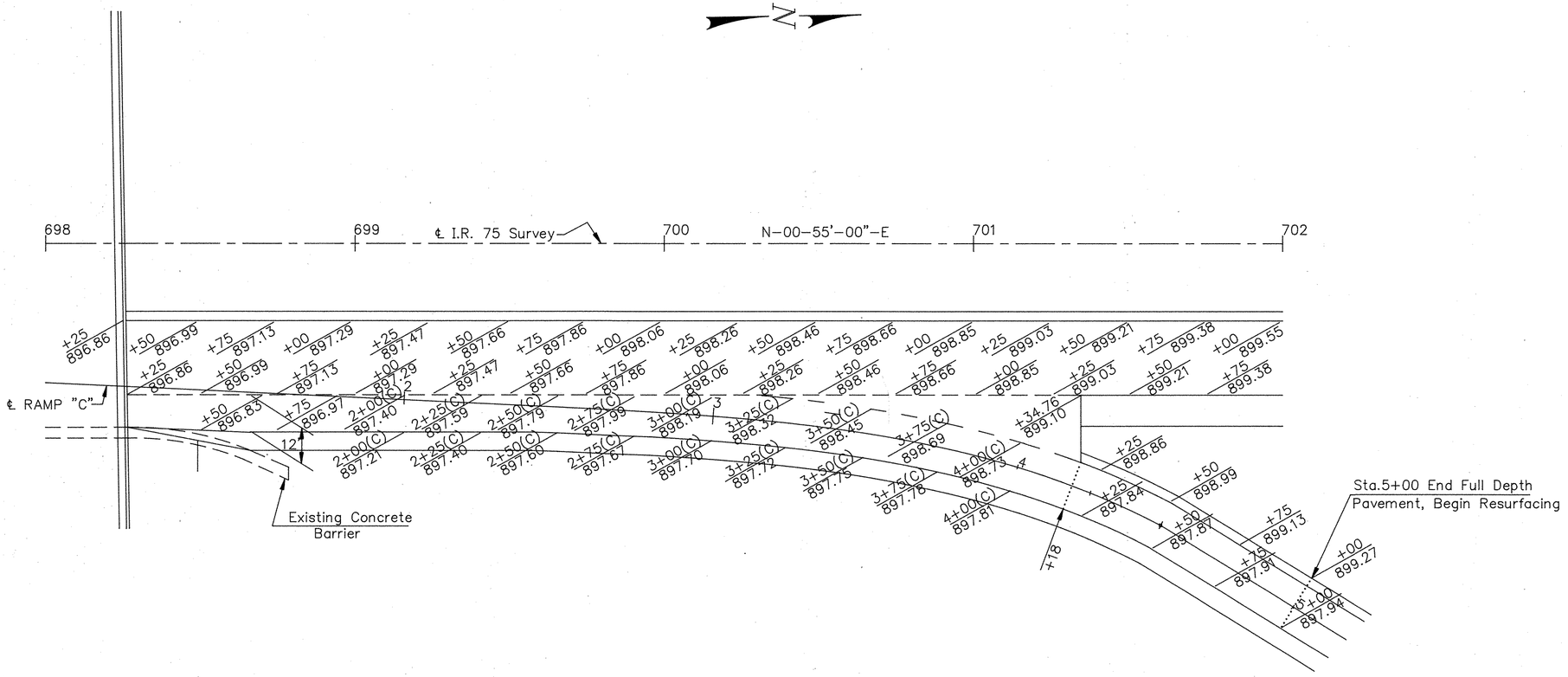
AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00



I.R.–75 & National Road Ramp "C" Detail

RAMP C PAVEMENT ELEVATION DETAIL AT I.R.–75 / NATIONAL ROAD INTERCHANGE

CALC. BY C.L.T. DATE 9/91	AUGLAIZE COUNTY ALLEN COUNTY AUG-75-4.54 ALL-75-0.00	OHIO	153 231
CHKD. BY T.A.K. DATE 9/91		FHWA REGION 5	
		FEDERAL PROJECT	

TRAFFIC CONTROL NOTES

SIGN AND SUPPORT LEGEND

SIGNS:

NEW

EXISTING, TO REMAIN

EXISTING, TO BE REMOVED

OVERHEAD SUPPORTS:	**NEW**	**EXISTING**
SPAN		
CANTILEVER, SINGLE		
CANTILEVER, BACK TO BACK		

GROUND MOUNTED SUPPORTS:

SINGLE

DOUBLE

SINGLE, BACK TO BACK

DOUBLE, BACK TO BACK

STOP, ONE WAY, DO NOT ENTER OR OR

SIGN IDENTIFICATION

Identification of signs referred to on these plans is by code number as listed in the 'OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. Sign sizes as shown are horizontal dimension by vertical dimension (width x height).

TRAFFIC CONTROL STANDARD CONSTRUCTION DRAWINGS

All references to supplemental specifications 857, 858, 861, 957, 958 and 961 on the Traffic Control Standard Construction Drawings in these plans shall be considered to read as respective references to Items 630, 631, 633, 730, 731 and 733.

MILE MARKER LOCATION

The location of mile markers on the plans are approximate and a more precise location will be provided by the department. The contractor shall notify the engineer at least 30 days in advance of the planned date of marker installation. The engineer will contact the Bureau Of Techincal Services which will locate the longitudinal position of mile markers by means of a paint mark on the pavement edge. Alternate marks will not be provided on divided highways and the contractor shall set markers for the opposite roadway across from the provided mark. Delineators whose normal position falls within 50 feet of a mile marker shall be omitted.

ITEM 614, TEMPORARY PAVEMENT MARKINGS

The Contractor shall furnish, install, maintain and, when necessary, remove temporary pavement markings on existing, reconstructed, resurfaced pavement and/or temporary pavement within the work limits of this project in accordance with applicable provisions of C.M.S. 614 and 642 and Standard Construction Drawing MT-99.10.

Payment for accepted quantities complete and in place will be made at the contract price bid for the units designated. Payment shall be full compensation for all materials, labor, equipment and incidentals necessary for layout, application and, when required, subsequent removal of temporary pavement markings.

The following estimated quantities are provided as an approximate amount of temporary pavement markings to be used for the purpose of maintaining traffic within the limits of this project. For temporary pavement marking for Stage 1 and Stage 2 construction operations See Maintenance Of Traffic sheet numbers 27 to 56.

Item 614	Temporary Edge Lines, Class I	105.6 Miles
Item 614	Temporary Lane Lines, Class I	39.8 Miles
Item 614	Temporary Gore Markings, Class II	2,100 Lin. Ft.
Item 614	Temporary Center Line, Class 1	0.8 Miles

Quantities Carried to General Summary

TRAFFIC CONTROL SUMMARY

CALC. BY C. T. DATE 11/91	AUGLAIZE COUNTY ALLEN COUNTY AUG-75-4.54 ALL-75-0.00	OHIO
CHKD. BY T. K. DATE 11/91		FHWA REGION 5
		FEDERAL PROJECT

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SHEET NUMBER																PARTICIPATION		ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION
80	155	156	157	158	159		160	161	162	163	164	165	166	167	168	169							
																							PAVEMENT MARKING
													30.77	3.81	5.39	1.53			642	00102	41.50	MILE	EDGE LINE, TYPE 2
													16.57	0.68	0.21	0.15			642	00202	17.61	MILE	LANE LINE, TYPE 2
															0.73				642	00302	0.73	MILE	CENTER LINE, TYPE 2
													727	1282	1012	1647			642	00402	4668	LIN FT	CHANNELIZING LINE, TYPE 2
													16	80	86				642	00502	182	LIN FT	STOP LINE, TYPE 2
													269	413	450	575			642	00702	1707	LIN FT	TRANSVERSE LINE, TYPE 2
																							TRAFFIC SIGNS
	9.02	0.54		2.20	4.40					0.54									630	00100	16.70	CU YD	CONCRETE FOR EMBEDDED FOUNDATION
	50	25	100	25	52		77	39	26	53	27								630	02100	474	LIN FT	GROUND MOUNTED SUPPORT, NO. 2 POST
	31		60		14		32		13	14	27								630	03100	191	LIN FT	GROUND MOUNTED SUPPORT, NO. 3 POST
	353	175	134	137	151		96	131	14	100	57								630	04100	1348	LIN FT	GROUND MOUNTED SUPPORT, NO. 4 POST
	90	32								40									630	06400	162	LIN FT	GROUND MOUNTED SUPPORT, S4X7.7 BEAM
	86			43	76														630	07600	205	LIN FT	GROUND MOUNTED SUPPORT, W10X12 BEAM
	62																		630	08000	62	LIN FT	GROUND MOUNTED SUPPORT, W12X30 BEAM
					16		36		15	16									630	08004	83	LIN FT	ONE WAY SUPPORT, NO. 3 POST
					18					17									630	08100	35	LIN FT	ONE WAY SUPPORT, NO. 4 POST
	8	2		2	4					2									630	09000	18	EACH	BREAKAWAY BEAM CONNECTION
												58							630	75000	58	EACH	SIGN ATTACHMENT ASSEMBLY
	214	115	160	94	151		136	126	36	127	64								630	80102	1223	SQ FT	SIGN, FLAT SHEET, TYPE G
	719	947	504	648	203		132	132		88	44	2095							630	80204	5512 ±	SQ FT	SIGN, EXTRUSHEET, TYPE G
	22	18	29	11	25		22	20	10	17	10								630	84900	184	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL
	8	7	4	10	2		2	2		2	1								630	85400	38	EACH	REMOVAL OF GROUND MOUNTED MAJOR SIGN AND DISPOSAL
	37	14	20	14	22		16	12	7	15	7								630	86002	164	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL
	2									2									630	86102	4	EACH	REMOVAL OF GROUND MOUNTED BEAM SUPPORT AND DISPOSAL
												21							630	87400	21	EACH	REMOVAL OF OVERHEAD MOUNTED SIGN AND DISPOSAL
												21							631	94200	21	EACH	REMOVAL OF LUMINAIRE AND DISPOSAL
												4							631	94304	4	EACH	REMOVAL OF DISCONNECT SWITCH AND DISPOSAL
												4							631	94404	4	EACH	REMOVAL OF BALLAST AND DISPOSAL
												8							631	94406	8	EACH	REMOVAL OF SIGNS WIRED
	246																		802	00100	246	EACH	BARRIER REFLECTOR, TYPE A
	111																		802	00200	111	EACH	BARRIER REFLECTOR, TYPE B

TRAFFIC CONTROL QUANTITIES

CALC. BY C. T. DATE 11/91
CHKD. BY T. K. DATE 11/91

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

OHIO
FHWA REGION 5
FEDERAL PROJECT

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DETAILS GROUND MOUNTED SIGNS

SHT. NO.	REF. NO.	STATION	SIDE	SIGN	SIGN SIZE	ITEM 630 SIGN, FLAT SHEET TYPE G SHEETING	ITEM 630 SIGN, EXTRU SHEET TYPE G SHEETING	ITEM 630 GROUND MOUNTED SUPPORT NO. 2 POST	ITEM 630 GROUND MOUNTED SUPPORT NO. 3 POST	ITEM 630 GROUND MOUNTED SUPPORT NO. 4 POST	ITEM 630 GROUND MOUNTED SUPPORT S4 X 7.7 BEAM	ITEM 630 GROUND MOUNTED SUPPORT W10 X 12 BEAM	ITEM 630 GROUND MOUNTED SUPPORT W12 X 30 BEAM	ITEM 630 CONCRETE FOR EMBEDDED FOUNDATION	ITEM 630 BREAKAWAY BEAM CONNECTION	ITEM 630 REMOVAL OF GRD. MTD. SIGN AND DISPOSAL	ITEM 630 REMOVAL OF GRD. MTD. MAJOR SIGN AND DISPOSAL	ITEM 630 REMOVAL OF GRD. MTD BEAM SUPPORT AND DISPOSAL	ITEM 630 REMOVAL OF GRD. MTD. POST SUPPORT AND DISPOSAL
						SQ. FT.	SQ. FT.	LIN. FT.			LIN. FT.			CU. FT.	EACH				
		I.R.-75	Mainline																
	1	293+00	Rt.	GEP-96	8' x 2'		16									1			
				GE	17' x 12'		204										1		
	2	302+80	Rt.	W-97-48	48" x 60"	20				37'-6"						1			2
	4	307+00	Rt.	GF	8' x 5'		40				30'-0"			0.54	2		1		2
	5	309+00	Rt.	W-49R	48" x 48"	16				38'-0"						1			2
	6	310+50	Lt.	W-49R	48" x 48"	16				37'-0"						1			2
	7	318+00	Rt.	GN	13' x 3'-6"		45.5					40'-0"		2.20			1		2
	8	319+40	Lt.	GF	8' x 5'	Do Not Disturb													
	9	16+50(A) (USR-33)	Lt.	W-98-48	48" x 60"	20				38'-0"						1			2
	12	324+69.91	Rt.	N-41-12	12" x 48"	4		12'-6"								1			1
	13	324+69.91	Lt.	N-41-12	12" x 48"	4		12'-6"								1			1
	15	3+50 (A) (Bellefontaine St.)	Rt.	W-98-48	48" x 60"	20				38'-0"						1			2
	16	332+20	Rt.	GF	8' x 5'		40				30'-0"			0.54	2		1		2
	17	334+50	Lt.	W-49R	48" x 48"	16				37'-6"						1			2
	18	338+60	Lt.	GN	13' x 3'-6"		45.5				30'-0"			0.54			1		2
	19	342+00	Rt.	W-49R	48" x 48"	16				36'-0"						1			2
	20	3+50 (D)	Rt.	W-98-48	48" x 60"	20				38'-0"						1			2
	21	344+40	Lt.	GF	8' x 5'	Do Not Disturb													
	22	346+80	Rt.	R-159-36	36" x 48"	12			31'-0"							1			2
	24	362+00	Lt.	GS-120	10'x 7'		70					46'-0"		2.20	2				
	25	362+50	Rt.	IM-37-36	36"x 18"	4.5				19'-0"						1			1
				M-5-36-2	36"x 36"	9										1			
	26	363+53	Lt.	GSC	10'x 4'	Removal Only											1		2
	28	367+53	Lt.	GSP	8'x 3'	Removal Only											1		2
	29	370+75	Rt.	R-9-84		Do Not Disturb													
	32	376+75	Med.	R-123-36	36"x 36"	9				17'-0"						1			1
				R-19-24	24"x 30"	5										1			
	33	377+25	Med.	R-123-36	36"x 36"	9				17'-0"						1			1
				R-19-24	24"x 30"	5										1			
	34	377+49.91	Rt.	N-41-12	12"x 48"	4		12'-6"								1			1
	35	377+49.91	Lt.	N-41-12	12"x 48"	4		12'-6"								1			1
	36	381+30	Rt.	RA-5	11'x 3'-6"		38.5												
	37	382+50	Lt.	GEP-96	8'x 2'	Do Not Disturb													
				GCP	12'-6"x 8'														
	38	384+50	Rt.	GEP-96	8'x 2'		16						62'-0"	3.00	2	1		2	
				GB	16'x 11'-6"		184										1		
				GBP-156	13'x 1'-6"		19.5									1			
TOTALS CARRIED TO TRAFFIC CONTROL SUMMARY						214	719	50	31	353	90	86	62	9.02	8	22	8	2	37

A:AU75ST01 19920221

GROUND MOUNTED SIGN QUANTITIES

TRAFFIC CONTROL QUANTITIES

DETAILS GROUND MOUNTED SIGNS

CALC. BY C. T. DATE 11/91	AUGLAIZE COUNTY ALLEN COUNTY AUG-75-4.54 ALL-75-0.00	OHIO
CHKD. BY T. K. DATE 11/91		FHWA REGION 5
		FEDERAL PROJECT

156 / 231

SHT. NO.	REF. NO.	STATION	SIDE	SIGN	SIGN SIZE	ITEM 630 SIGN, FLAT SHEET TYPE G SHEETING	ITEM 630 SIGN, EXTRU SHEET TYPE G SHEETING	ITEM 630 GROUND MOUNTED SUPPORT NO. 2 POST		ITEM 630 GROUND MOUNTED SUPPORT NO. 4 POST			ITEM 630 GROUND MOUNTED SUPPORT S4 X 7.7 BEAM							ITEM 630 CONCRETE FOR EMBEDDED FOUNDATION	ITEM 630 BREAKAWAY BEAM CONNECTION	ITEM 630 REMOVAL OF GRD. MTD. SIGN AND DISPOSAL	ITEM 630 REMOVAL OF GRD. MTD. MAJOR SIGN AND DISPOSAL		ITEM 630 REMOVAL OF GRD. MTD. POST SUPPORT AND DISPOSAL
						SQ. FT.	SQ. FT.	LIN. FT.					LIN. FT.							CU. FT.	EACH					
	39	392+50	Lt	R-9-84	DO NOT DISTURB																				
	40	396+75	Lt.	GEP-96	DO NOT DISTURB																				
				GB																					
	41	398+25	Rt.	GEP-96	8' x 2'		16															1			
				GB	16' x 11'-6"		184																1			
	42	402+50	Lt.	IM-38-36	36" x 18"	4.5																1			1
				M-5-36-2	36" x 36"	9				17'-0"												1			
	43	416+00	Rt.	GEP-96	8' x 2'		16															1			
				GE	16' x 11'-6"		184																1			
	44	1+60 (Ramp B) SR-67	Rt.	W-98-48	48" x 60"	20				36'-0"												1			2
	45	423+00	Lt.	W-49R	48" x 48"	16				36'-0"												1			2
	46	424+65	Rt.	GF	8' x 5'		40						32'-0"							0.54	2		1		2
	47	427+75	Rt.	W-49R	48" x 48"	16				36'-0"												1			2
	48	430+29.91	Rt.	N-41-12	12" x 48"	4		12'-6"														1			1
	49	430+29.91	Lt.	N-41-12	12" x 48"	4		12'-6"														1			1
	50	431+00	Lt.	GEP-96	DO NOT DISTURB																				
				GB																					
	51	434+55	Lt.	GF	8' x 5'		40																1		
	52	443+50	Lt.	GEP-96	8' x 2'		16															1			
				GE	16' x 11'-6"		184																1			
	53	447+50	Rt.	IM-38-36	36" x 18"	4.5				18'-0"												1			1
				M-5-36-2	36" x 36"	9																1			
	54	453+75	Med.	R-123-36	36" x 36"	9				16'-0"												1			1
				R-19-24	24" x 30"	5																1			
	55	454+25	Med.	R-123-36	36" x 36"	9				16'-0"												1			1
				R-19-24	24" x 30"	5																1			
	56	455+00	Rt.	R-9-84	DO NOT DISTURB																				
	57	460+00	Lt.	GEP-96	8' x 2'		16															1			
				GB	16' x 11'-6"		184																1			
	58	463+50	Rt.	RA-2	11' x 5'		55															1			
				GFS-1	6' x 2'		12																		
		TOTALS CARRIED TO TRAFFIC CONTROL SUMMARY				115	947		25		175			32						0.54	2	18	7		14

A:AU75ST02 19920220

GROUND MOUNTED SIGN QUANTITIES

TRAFFIC CONTROL QUANTITIES

CALC. BY C. T. DATE 11/91
CHKD. BY T. K. DATE 11/91

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

OHIO
FHWA REGION 5
FEDERAL PROJECT

157
231

DETAILS GROUND MOUNTED SIGNS

SHT. NO.	SIGN NO.	STATION	SIDE	SIGN	SIGN SIZE	ITEM 630 SIGN, FLAT SHEET TYPE G SHEETING	ITEM 630 SIGN, EXTRU SHEET TYPE G SHEETING	ITEM 630 GROUND MOUNTED SUPPORT NO. 2 POST	ITEM 630 GROUND MOUNTED SUPPORT NO. 3 POST	ITEM 630 GROUND MOUNTED SUPPORT NO. 4 POST	ITEM 630 REMOVAL OF GRD. MTD. SIGN AND DISPOSAL	ITEM 630 REMOVAL OF GRD. MTD. MAJOR SIGN AND DISPOSAL	ITEM 630 REMOVAL OF GRD. MTD. POST SUPPORT AND DISPOSAL
						SQ. FT.	SQ. FT.	LIN. FT.			EACH		EACH
	59	474+90	Rt.	RA-4	6' x 5'-6"		33				1		
				N-61	24" x 24"	4					1		
				N-40A	30" x 36"	7.5					1		
	60	475+40	Lt.	N-84-48	48" x 36"	12			30'-0"		1		2
	61	481+00	Lt.	W-49R	48" x 48"	16				36'-0"	1		2
	62	483+09.91	Lt.	N-41-12	12" x 48"	4		12'-6"			1		1
	63	483+09.91	Rt.	N-41-12	12" x 48"	4		12'-6"			1		1
	64	487+50	Rt.	W-49R	48" x 48"	16				36'-0"	1		2
	65	492+50	Rt.	N-84-48	48" x 36"	12			30'-0"		1		2
	66	495+00	Lt.	RA-4	6' x 5'-6"		33				1		
				N-61	24" x 24"	4					1		
	67	503+50	Lt.	RA-2	11' x 5'		55					1	
				GFS-1	6' x 2'		12				1		
	69	513+50	Lt.	GEP-96	8' x 2'		16				1		
				GB	16' x 11'-6"		184					1	
	70	523+75	Med.	R-123-36	36" x 36"	9				15'-0"			
				R-19-24	24" x 30"	5							
	71	524+25	Med.	R-123-36	36" x 36"	9				15'-0"			
				R-19-24	24" x 30"	5							
	72	535+89.91	Lt.	N-41-12	12" x 48"	4		12'-6"			1		1
	73	535+89.91	Rt.	N-41-12	12" x 48"	4		12'-6"			1		1
	74	558+75	Med.	R-123-36	36" x 36"	Removal Only					1		1
				R-19-24	24" x 30"						1		
	75	559+25	Med.	R-123-36	36" x 36"	Removal Only					1		1
				R-19-24	24" x 30"						1		
	76	588+69.91	Lt.	N-41-12	12" x 48"	4		12'-6"			1		1
	77	588+69.91	Rt.	N-41-12	12" x 48"	4		12'-6"			1		1
	78	592+75	Lt.	RA-1	11' x 4'-6"		49.5					1	
				GFS-1	6' x 2'		12				1		
	79	641+49.91	Rt.	N-41-12	12" x 48"	4		12'-6"			1		1
	80	641+49.91	Lt.	N-41-12	12" x 48"	4		12'-6"			1		1
	81	649+50	Rt.	GEP-96	8' x 2'		16				1		
				GB	15'-6" x 6'		93					1	
	82	653+75	Med	R-123-36	36" x 36"	9				16'-0"	1		1
				R-19-24	24" x 30"	5					1		
	83	654+25	Med	R-123-36	36" x 36"	9				16'-0"	1		1
				R-19-24	24" x 30"	5					1		
TOTALS CARRIED TO TRAFFIC CONTROL SUMMARY						160	504	100	60	134	29	4	20

A:AU75ST03 19920220

GROUND MOUNTED SIGN QUANTITIES

TRAFFIC CONTROL QUANTITIES

CALC. BY C. T. DATE 11/91
CHKD. BY T. K. DATE 11/91

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

OHIO
FHWA REGION 5
FEDERAL PROJECT

158
231

DETAILS GROUND MOUNTED SIGNS

SHT. NO.	REF. NO.	STATION	SIDE	SIGN	SIGN SIZE	ITEM 630 SIGN, FLAT SHEET TYPE G SHEETING	ITEM 630 SIGN, EXTRU SHEET TYPE G SHEETING	ITEM 630 GROUND MOUNTED SUPPORT NO. 2 POST		ITEM 630 GROUND MOUNTED SUPPORT NO. 4 POST			ITEM 630 GROUND MOUNTED SUPPORT W10 X 12 BEAM						ITEM 630 CONCRETE FOR EMBEDDED FOUNDATION	ITEM 630 BREAKAWAY BEAM CONNECTION	ITEM 630 REMOVAL OF GRD. MTD. SIGN AND DISPOSAL	ITEM 630 REMOVAL OF GRD. MTD. MAJOR SIGN AND DISPOSAL		ITEM 630 REMOVAL OF GRD. MTD. POST SUPPORT AND DISPOSAL
						SQ. FT.	SQ. FT.	LIN. FT.					LIN. FT.	LIN. FT.	LIN. FT.				CU. FT.	EACH				
		I.R.-75 Mainline (Cont.)																						
	84	654+00	Lt.	GJ	12'x 5'-6"		66								42.5'				2.20	2		1		3
	85	664+00	Lt.	R-9-84	Do Not Disturb																			
	86	665+90	Rt.	GSS-A	Do Not Disturb																			
	87	674+00	Lt.	IM-38-36	36"X 18"	4.5					19'-0"										1			1
				M-5-36-2	36"x 36"	9															1			
	88	674+30	Rt.	GEP-96	8'x 2'		16														1			
				GB	15'-6"x 6'		93															1		
	89	690+77.69	Rt.	N-41-12	12"x 48"	4			12'-6"												1			1
	90	690+77.69	Lt.	N-41-12	12"x 48"	4			12'-6"												1			1
	91	692+50	Rt.	GEP-96	8'x 2'		16														1			
				GE	15'-6"x 5'-6"		85.25															1		
	92	694+00	Lt.	W-49R	48"x 48"	16					28'-0"										1			2
	93	3+85 (C) (National Rd.)	Rt.	W-98-48	48"x 60"	20					30'-0"										1			2
	94	701+40	Rt.	GF	8'x 5'		40															1		
	95	704+00	Rt.	W-49R	48"x 48"	16					30'-0"										1			2
	96	704+52	Lt.	GF	8'x 5'		40															1		
	97	7+00 (B) (National Rd.)	Lt.	W-98-48	48"x 60"	20					30'-0"										1			2
		Allen County																						
	98	0+00	Med.	GP	10'x 5'		50															1		
				GP	9'x 5'		45															1		
	99	0+00	Rt.	GP	9'x 5'		45															1		
	100	0+00	Lt.	GP	10'x 5'		50															1		
	101	4+37	Lt.	GEP-96	8'x 2'		16														1			
				GE	15'-6"x 5'-6"		85.25															1		
		TOTALS CARRIED TO TRAFFIC CONTROL SUMMARY				94	648		25		137				43				2.20	2	11	10		14

A:AU75ST04 19920220

GROUND MOUNTED SIGN QUANTITIES

TRAFFIC CONTROL QUANTITIES

CALC. BY C. T. DATE 11/91
CHKD. BY T. K. DATE 11/91

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

OHIO
FHWA REGION 5
FEDERAL PROJECT

159
231

DETAILS GROUND MOUNTED SIGNS

SHT. NO.	SIGN NO.	STATION	SIDE	SIGN	SIGN SIZE	ITEM 630 SIGN, FLAT SHEET TYPE G SHEETING	ITEM 630 SIGN, EXTRU SHEET TYPE G SHEETING	ITEM 630 GROUND MOUNTED SUPPORT NO. 2 POST	ITEM 630 GROUND MOUNTED SUPPORT NO. 3 POST	ITEM 630 GROUND MOUNTED SUPPORT NO. 4 POST	ITEM 630 ONE-WAY SUPPORT NO. 3 POST	ITEM 630 ONE-WAY SUPPORT NO. 4 POST	ITEM 630 GROUND MOUNTED SUPPORT W10 X 12 BEAM	ITEM 630 CONCRETE FOR EMBEDDED FOUNDATION	ITEM 630 BREAKAWAY BEAM CONNECTION	ITEM 630 REMOVAL OF GRD. MTD. SIGN AND DISPOSAL	ITEM 630 REMOVAL OF GRD. MTD. MAJOR SIGN AND DISPOSAL	ITEM 630 REMOVAL OF GRD. MTD. POST SUPPORT AND DISPOSAL
						SQ. FT.	SQ. FT.	LIN. FT.			LIN. FT.	LIN. FT.	LIN. FT.	CU. FT.	EACH			
		IR-75 AND USR-33 INTERCHANGE																
		Ramp F																
	102	9+00	Rt.	W-45A-48	48" x 48"	16				38'-0"								
				R-41A-36	36" x 24"	6										1		2
																1		
	103	9+00	Lt.	R-41A-36	36" x 24"	6				18'-0"								
																1		1
	104	10+50	Rt.	M-2-30-2	30" x 30"	6.25												
				M-25-24	24" x 18"	3										1		
				D-4B	11' x 4'		44									1		
																	1	
	105	14+00	Rt.	D-4B	11' x 3'		33											
				D-4A	11' x 2'		22						37'-0"	2.20	2	1		3
																1		
	106	15+10	Rt.	R-1-48	48" x 48"	16				16'-0"		18'-0"						
				R-41B-36	36" x 36"	9										1		2
				R-43R-36	36" x 12"	3										1		
				R-43L-36	36" x 12"	3										1		
	107	0+95±	Lt.	R-38R-24	24" x 30"	5		13'-0"	SEE STD. DWG. TC-42.20, DETAIL A FOR POST INSTALLATION THRU PAVEMENT							1		1
	108	1+80	Rt.	R-2-36	36" x 36" x 36"	3.9		13'-0"								1		1
		Ramp D																
	109	6+00	Rt.	R-15A-36	36" x 36"	9				17'-0"						1		1
		Ramp G																
	110	3+70	Rt.	R-2-36	36" x 36" x 36"	3.9				17'-6"						1		1
		Ramp C																
	111	8+88	Rt.	R-15A-36	36" x 36"	9				16'-0"						1		1
		Ramp A Crossover to USR-33																
	112	9+48	Rt.	R-1-48	48" x 48"	16				28'-0"						1		2
				R-41B-36	36" x 36"	9										1		
		Ramp A																
	113	9+96	Lt.	R-41B-36	36" x 36"	9			13'-6"		15'-6"					1		2
				R-43L-36	36" x 12"	3										1		
				R-43R-36	36" x 12"	3										1		
	114	11+00	Lt.	D-4B	11' x 3'		33						39'-0"					
				D-4A	11' x 2'		27							2.20	2	1		3
																1		
	115	12+15	Rt.	R-41A-36	36" x 24"	6		13'-0"								1		1
	116	12+15	Lt.	R-41A-36	36" x 24"	6		13'-0"								1		1
	117	14+00	Lt.	D-4B	11' x 4'		44										1	
TOTALS CARRIED TO TRAFFIC CONTROL SUMMARY						151	203	52	14	151	16	18	76	4.4	4	25	2	22

A:AU75ST05 19920220

GROUND MOUNTED SIGN QUANTITIES

TRAFFIC CONTROL QUANTITIES

CALC. BY C. T. DATE 11/91	AUGLAIZE COUNTY ALLEN COUNTY AUG-75-4.54 ALL-75-0.00	OHIO FHWA REGION 5 FEDERAL PROJECT	160 231
CHKD. BY T. K. DATE 11/91			

DETAILS GROUND MOUNTED SIGNS

SHT. NO.	SIGN NO.	STATION	SIDE	SIGN	SIGN SIZE	ITEM 630 SIGN, FLAT SHEET TYPE G SHEETING	ITEM 630 SIGN, EXTRU SHEET TYPE G SHEETING		ITEM 630 GROUND MOUNTED SUPPORT NO. 2 POST	ITEM 630 GROUND MOUNTED SUPPORT NO. 3 POST	ITEM 630 GROUND MOUNTED SUPPORT NO. 4 POST	ITEM 630 ONE-WAY SUPPORT NO. 3 POST	ITEM 630 REMOVAL OF GRD. MTD. SIGN AND DISPOSAL	ITEM 630 REMOVAL OF GRD. MTD. MAJOR SIGN AND DISPOSAL	ITEM 630 REMOVAL OF GRD. MTD. POST SUPPORT AND DISPOSAL
						SQ. FT.	SQ. FT.		LIN. FT.			LIN. FT.	EACH		EACH
		IR-75 And													
Bellefountaine St. Interchange															
	118	6+50	Rt.	D-4B	11' x 4'		44						1		
				D-4A	11' x 2'		22						1		
				R-41A-36	36" x 24"	6		Mount to Back of Beam					1		
	119	6+50	Lt.	R-41A-36	36" x 24"	6			13'-0"				1		1
	120	8+30	Lt.	R-41B-36	36" x 36"	9				16'-0"		18'-0"	1		2
				R-43L-36	36" x 12"	3							1		
				R-43R-36	36" x 12"	3							1		
	121	8+40	Rt.	R-1-48	48" x 48"	16					32'-6"		1		2
				R-41B-36	36" x 36"	9							1		
		Ramp B Crossover													
	122	872+50	Rt.	R-2-36	36" x 36" x 36"	3.9			13'-0"				1		1
		Bellefontaine Street Ramp B													
	123	5+50	Rt.	R-43L-36	36" x 12"	3			12'-0"				1		1
	124	6+00	Rt.	R-15A-36	36" x 36"	9					15'-0"		1		1
		Ramp C Crossover													
	125	864+40	Rt.	R-2-36	36" x 36" x 36"	3.9			14'-0"				1		1
		Bellefontaine Street Ramp C													
	126	5+55	Rt.	R-43L-36	36" x 12"	3			12'-0"				1		1
	127	6+00	Rt.	R-15A-36	36" x 36"	9					15'-0"		1		1
		Ramp D													
	128	6+65	Rt.	D-4A	11' x 2'		22						1		
				D-4B	11' x 4'		44							1	
				R-41A-36	36" x 24"	6		Mount to Back of Beam					1		
	129	6+65	Lt.	R-41A-36	36" x 24"	6			13'-0"				1		1
	130	8+30	Lt.	R-41B-36	36" x 36"	9				16'-0"		18'-0"	1		2
				R-43L-36	36" x 12"	3							1		
				R-43R-36	36" x 12"	3							1		
	131	8+40	Rt.	R-1-48	48" x 48"	16					33'-0"		1		2
				R-41B-36	36" x 36"	9							1		
TOTALS CARRIED TO TRAFFIC CONTROL SUMMARY						136	132		77	32	96	36	22	2	16

A:AU75ST06 19920220

GROUND MOUNTED SIGN QUANTITIES

TRAFFIC CONTROL QUANTITIES

CALC. BY C. T. DATE 11/91	AUGLAIZE COUNTY ALLEN COUNTY AUG-75-4.54 ALL-75-0.00	OHIO
CHKD. BY T. K. DATE 11/91		FHWA REGION 5
		FEDERAL PROJECT

161
231

DETAILS GROUND MOUNTED SIGNS

SHT. NO.	SIGN NO.	STATION	SIDE	SIGN	SIGN SIZE	ITEM 630 SIGN, FLAT SHEET TYPE G SHEETING	ITEM 630 SIGN, EXTRU SHEET TYPE G SHEETING	ITEM 630 GROUND MOUNTED SUPPORT NO. 2 POST		ITEM 630 GROUND MOUNTED SUPPORT NO. 4 POST	ITEM 630 REMOVAL OF GRD. MTD. SIGN AND DISPOSAL	ITEM 630 REMOVAL OF GRD. MTD. MAJOR SIGN AND DISPOSAL	ITEM 630 REMOVAL OF GRD. MTD. POST SUPPORT AND DISPOSAL
						SQ. FT.	SQ. FT.	LIN. FT.			EACH		EACH
		IR-75 and SR-67 Interchange											
		Ramp A											
	132	4+50(A)	Rt.	R-15A-36	36" x 36"	9				14'-0"	1		1
		Ramp B											
	133	5+45	Rt.	R-41A-36	36" x 24"	6		13'-0"			1		1
	134	5+45	Lt.	R-41A-36	36" x 24"	6		13'-0"			1		1
	135	7+50	Rt.	M-2-30-2	30" x 30"	6.25					1		
				M-25-24	24" x 18"	3					1		
				D-4B	11' x 4'		44						
				D-4A	11' x 2'		22					1	
											1		
	136	15+45	Rt.	R-41A-36	36" x 24"	6		13'-0"					
	137	16+50	Rt.	R-1-48	48" x 48"	16				29'-0"	1		1
				R-41B- 36	36" x 36"	9					1		2
											*1		
		Ramp E											
	138	3+50	Lt.	R-38R-24	24" x 30"	5				14'-0"	1		1
				RP-38R-24	REMOVAL ONLY						1		
	139	125+25	Rt.	R-2-36	36" x 36" x 36"	3.9				15'-0"	1		1
		Ramp C											
	140	110+27	Rt.	R-41B- 36	36" x 36"	9				15'-0"	1		1
		SR-67											
	141	110+27	Lt.	R-2-36	36" x 36" x 36"	3.90				15'-0"	1		1
		SR-67		R-41B-36	36" x 36"	9					1		
	142	6+30	Lt.	M-2-30-2	30" x 30"	6.25					1		
				M-30-24	24" x 18"	3					1		
				D-4B	11' x 4'		44						
				D-4A	11' x 2'		22					1	
		Ramp C											
	143	113+80	Rt.	R-1-48	48" x 48"	16				29'-0"	1		2
				R-41B-36	36" x 36"	9					1		
		TOTALS CARRIED TO TRAFFIC CONTROL SUMMARY				126	132		39	131	20	2	12

SEE STD. DWG. TC-42.20, DETAIL A FOR POST INSTALLATION THRU PAVEMENT

A:AU75ST07 19920220

GROUND MOUNTED SIGN QUANTITIES

TRAFFIC CONTROL QUANTITIES

CALC. BY C. T. DATE 11/91
CHKD. BY T. K. DATE 11/91

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

OHIO
FHWA REGION 5
FEDERAL PROJECT

162
231

DETAILS GROUND MOUNTED SIGNS

SHT. NO.	SIGN NO.	STATION	SIDE	SIGN	SIGN SIZE	ITEM 630 SIGN, FLAT SHEET TYPE G SHEETING	ITEM 630 GROUND MOUNTED SUPPORT NO. 2 POST	ITEM 630 GROUND MOUNTED SUPPORT NO. 3 POST	ITEM 630 GROUND MOUNTED SUPPORT NO. 4 POST	ITEM 630 ONE-WAY SUPPORT NO. 3 POST	ITEM 630 REMOVAL OF GRD. MTD. SIGN AND DISPOSAL	ITEM 630 REMOVAL OF GRD. MTD. POST SUPPORT AND DISPOSAL
						SQ. FT.		LIN. FT.		LIN. FT.	EACH	EACH
		IR-75 and S.R.-67 INTERCHANGE (Con't.)										
		Ramp C (Con't.)										
	144	114+19	Lt.	R-41B-36	36" x 36"	9		13'-0"		15'-0"	1	2
		S.R.-67		R-43L-36	36" x 12"	3					1	
				R-43R-36	36" x 12"	3					1	
	145	8+50	Lt.	A-41A-36	36" x 24"	6	13'-0"				1	1
	146	8+50	Rt.	A-41A-36	36" x 24"	6	13'-0"				1	1
		Ramp D										
	147	113+37	Lt.	R-15A-36	36" x 36"	9			14'-0"		1	1
		S.R.-67 MAINLINE										
	148	111+83	Rt.	W-49R	DO NOT DISTURB							
	149	113+70	Lt.	GH-1	DO NOT DISTURB							
	150	Rt.	Rt.	M-52A	DO NOT DISTURB							
	151	115+10	℄	R-38R-36		REMOVAL ONLY					1	1
				RP-38R-24		REMOVAL ONLY					1	
	152	122+12	℄	R-38R-36		REMOVAL ONLY					1	1
				RP-38R-24		REMOVAL ONLY					1	
	153	124+50	Rt.	GH-1	DO NOT DISTURB							
	154	125+40	Lt.	GH-1	DO NOT DISTURB							
		TOTALS CARRIED TO TRAFFIC CONTROL SUMMARY				36	26	13	14	15	10	7

A:AU75ST08 19920220

GROUND MOUNTED SIGN QUANTITIES

TRAFFIC CONTROL QUANTITIES

CALC. BY C. T. DATE 11/91
CHKD. BY T. K. DATE 11/91

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

OHIO
FHWA REGION 5
FEDERAL PROJECT

163
231

DETAILS GROUND MOUNTED SIGNS

SHT. NO.	REF. NO.	STATION	SIDE	SIGN	SIGN SIZE	ITEM 630 SIGN, FLAT SHEET TYPE G SHEETING	ITEM 630 SIGN, EXTRU SHEET TYPE G SHEETING		ITEM 630 GROUND MOUNTED SUPPORT NO. 2 POST	ITEM 630 GROUND MOUNTED SUPPORT NO. 3 POST	ITEM 630 GROUND MOUNTED SUPPORT NO. 4 POST	ITEM 630 ONE-WAY SUPPORT NO. 3 POST	ITEM 630 ONE-WAY SUPPORT NO. 4 POST	ITEM 630 GROUND MOUNTED SUPPORT S4 X 7.7 BEAM						ITEM 630 CONCRETE FOR EMBEDDED FOUNDATION	ITEM 630 BREAKAWAY BEAM CONNECTION	ITEM 630 REMOVAL OF GRD. MTD. SIGN AND DISPOSAL	ITEM 630 REMOVAL OF GRD. MTD. MAJOR SIGN AND DISPOSAL	ITEM 630 REMOVAL OF GRD. MTD BEAM SUPPORT AND DISPOSAL	ITEM 630 REMOVAL OF GRD. MTD. POST SUPPORT AND DISPOSAL
						SQ. FT.	SQ. FT.		LIN. FT.			LIN. FT.	LIN. FT.	LIN. FT.						CU. FT.	EACH				
	I.R.-75 & National Road Interchange																							
		Ramp A																						
	155	8+70	Lt.	R-15A-36	36"x 36"	9					15'-0"										1			1
		Ramp B																						
	156	3+50	Lt.	D-4B	11'x 4'																		1	2
	157	2+15	Lt.	D-4B	11'x 4'		44							40'-0"						0.54	2			
			Lt.	R-41A-36	36"x 24"	6	Mounted on back of beam															1		1
	158	2+15	Rt.	R-41A-36	36"x 24"	6			13'-0"													1		1
	159	0+70	Rt.	R-41B-36	36"x 36"	9				14'-0"		16'-0"										1		2
				R-43L-36	36"x 12"	3																1		
				R-43R-36	36"x 12"	3																1		
	160	0+45	Lt.	R-1-48	48"x 48"	16					28'-0"											1		2
				R-41B-36	36"x 36"	9																1		
		Ramp C																						
	161	7+00	Rt.	R-41A-36	36"x 24"	6			13'-0"													1		1
	162	7+00	Lt.	R-41A-36	36"x 24"	6			13'-0"													1		1
	163	14+50	Rt.	R-41B-36	36"x 36"	9					28'-0"											1		2
	164	0+30 (D)	Lt.	R-1-48	48"x 48"	16					15'-0"		17'-0"									1		2
				R-41B-36	36"x 36"	9																1		
				R-43R-36	36"x 12"	3																1		
				R-43L-36	36"x 12"	3																1		
	165	1+35 (D)	Lt.	D-4B	11'x 4'		44																1	
		Ramp D																						
	166	0+50	Lt.	R-38R-24	24"x 30"	5			13'-6"	SEE STD. DWG. TC-42.20, DETAIL A FOR INSTALLATION THRU PAVEMENT												1		1
	167	0+70	Rt.	R-15A-36	36"x 36"	9					14'-0"											1		1
	TOTALS CARRIED TO TRAFFIC CONTROL SUMMARY					127	88		53	14	100	16	17	40						0.54	2	17	2	2	15

A:AU75ST09 19920220

GROUND MOUNTED SIGN QUANTITIES

TRAFFIC CONTROL QUANTITIES

CALC. BY C. T. DATE 11/91
CHKD. BY T. K. DATE 11/91

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

OHIO
FHWA REGION 5
FEDERAL PROJECT

164
231

DETAILS GROUND MOUNTED SIGNS

SHT. NO.	REF. NO.	STATION	SIDE	SIGN	SIGN SIZE	ITEM 630 SIGN, FLAT SHEET TYPE G SHEETING	ITEM 630 SIGN, EXTRU SHEET TYPE G SHEETING		ITEM 630 GROUND MOUNTED SUPPORT NO. 2 POST	NO. 3 POST	NO. 4 POST									ITEM 630 REMOVAL OF GRD. MTD. SIGN AND DISPOSAL	REMOVAL OF GRD. MTD. MAJOR SIGN AND DISPOSAL		REMOVAL OF GRD. MTD. POST SUPPORT AND DISPOSAL
						SQ. FT.	SQ. FT.		LIN. FT.											EACH			EACH
		National Road																					
	168	4+80	Lt.	R-1-36	36"x 36"	9					14'-0"									1			1
	169	5+20	Rt.	IM-17-24	24"x 12"	2			14'-0"											1			1
				M-5-24-2	24"x 24"	4														1			
	170	6+10	Rt.	R-10-24	24"x 30"	5			13'-0"											1			1
	171	6+30	Lt.	R-31B-36	36"x 30"	7.5				13'-0"										1			1
	172	7+20	Lt.	W-45A-36	36"x 36"	9					15'-0"									1			1
	173	7+20	Rt.	M-5-24-2	24"x 24"	4														1			
				IM-29-21	21"x 15"	2.19														1			
				D-4B	11'x 4'		44														1		
	174	7+90	Lt.	GH-1			Do Not Disturb																
	175	8+45	Rt.	M-52A			Do Not Disturb																
	176	14+70	Rt.	R-36R-24	24"x 30"	5				14'-0"										1			1
	177	15+48	Lt.	W-49R-30	30"x 30"	16					28'-0"									1			1
	178	16+60	Lt.	M-52A			Do Not Disturb																
	179	17+10	Rt.	GH-1			Do Not Disturb																
TOTALS CARRIED TO TRAFFIC CONTROL SUMMARY						64	44		27	27	57									10	1		7

A:AU75ST10 19920220

GROUND MOUNTED SIGN QUANTITIES

TRAFFIC CONTROL QUANTITIES

DETAILS OVERHEAD MOUNTED SIGNS

CALC. BY C. T. DATE 11/91	AUGLAIZE COUNTY ALLEN COUNTY AUG-75-4.54 ALL-75-0.00	OHIO FHWA REGION 5 FEDERAL PROJECT	165 231
CHKD. BY T. K. DATE 11/91			

SHT. NO.	REF. NO.	STATION	SIDE	SIGN	SIGN SIZE	ITEM 630 SIGNS EXTRU SHEET TYPE G	ITEM 630 SIGN ATTACH. ASSEM.		ITEM 630 REMOVAL OVERHEAD MOUNTED SIGN AND DISPOSAL								ITEM 631 REMOVAL OF LUMINAIRE AND DISPOSAL		ITEM 631 REMOVAL OF BALLAST AND DISPOSAL	ITEM 631 REMOVAL OF DISCONNECT SWITCH WITH ENCLOSURE AND DISPOSAL	ITEM 631 REMOVAL OF SIGNS WIRED	
						SQ. FT.	EACH		EACH								EACH		EACH	EACH	EACH	
		I.R.-75 Mainline																				
	3A	305+00	Rt.	GEP-96	8'x 2'	16	2		1													
				GB	21'x 8'-6"	178.5	4		1								3		1	1	1	
	3B			GEP-96	8'x 2'	16	2		1													
				GE	20'x 9'-6"	190	4		1								3				1	
	10	321+00	Lt.	GG	17'x 9'-6"	161.5	3		1								2		1	1	1	
				GEP-96	8'x 2'	16	2		1													
				GE	21'x 11'-6"	241.5	4		1								3				1	
	11	321+50	Rt.	GG	17'x 9'-6"	161.5	3		1								2		1	1	1	
				GEP-96	8'x 2'	16	2		1													
				GE	21'x 8'-6"	178.5	4		1								3				1	
	14	329+50	Rt.	GEP-96	8'x 2'	16	2		1													
				GE	24'x 8'-6"	204	4		1													
	23	352+00	Lt.	GEP-96	8'x 2'	16	2		1													
				GB	17'x 11'-6"	195.5	3		1								2		1	1	1	
				GEP-96	8'x 2'	16	2		1													
				GE	24'x 6'	144	4		1								3				1	
	30	371+22	Rt.	RA-1	11'x 4'-6"	49.5	2		1													
				GFS-1	6'x 2'	12	2		1													
	31	371+53	Lt.	GEP-96	8'x 2'	16	2		1													
				GB	17'x 11'-6"	195.5	3		1													
	68	512+50	Rt.	GJ	10'x 5'-6"	55	2		1													
		TOTALS CARRIED TO TRAFFIC CONTROL SUMMARY				2095	58		21								21		4	4	8	

A:AU75ST11 19920220

OVERHEAD SIGN SUPPORT QUANTITIES

PAVEMENT MARKING SUB-SUMMARY

CALC. BY TLK DATE 10-91	ALL-75-0.00 AUG-75-4.54	OHIO
CHKD. BY MEF DATE 10-91		FHWA REGION 5
		FEDERAL PROJECT

166 / 231

ITEM 642 TYPE 2

PAVEMENT	LOCATION AND STATION FROM	TO	SIDE	4" EDGE LINES WHITE LIN. FT.	4" EDGE LINES YELLOW LIN. FT.	4" LANE LINES WHITE LIN. FT.	8" CHANNELIZING LINES WHITE LIN. FT.	24" TRANSVERSE LINES WHITE LIN. FT.	24" STOP LINES LIN. FT.
IR-75 MAINLINE									
SB	289+00	664+49.88	℄			37549.88			
Station Equation: Sta. 664+49.88(Back) = 660+47.66(Ahead)									
SB	660+47.66	708+84.08	℄			4836.42			
Station Equation: Sta. 708+84.08 (Back) = 0+00 (Ahead)									
SB	0+00	11+00	℄			1100.00			
NB	289+00	664+49.88	℄			37549.88			
Station Equation: Sta. 664+49.88 (Back) = Sta. 660+47.66 (Ahead)									
NB	660+47.66	708+84.08	℄			4836.42			
SB	289+00	664+49.88	Rt.		37549.88				
Station Equation: 664+49.88 (Back) = Sta. 660+47.66 (Ahead)									
SB	660+47.66	708+84.08	Rt.		4836.42				
Station Equation: Sta.708+84.08 (Back) = Sta. 0+00 (Ahead)									
SB	0+00	11+00	Rt.		1100.00				
NB	289+00	664+49.88	Lt.		37549.88				
Station Equation: Sta. 664+49.88 (Back) = Sta. 660+47.66 (Ahead)									
SB	660+47.66	708+84.08	Rt.		4836.42				
Station Equation: Sta.708+84.08 (Back) = Sta. 0+00 (Ahead)									
SB	0+00	11+00	Rt.		1100.00				
SB	289+292+58		Lt.	358					
SB	303+15	318+67	Lt.	1552					
SB	322+11	328+19	Lt.	608					
SB	330+92	344+43	Lt.	1351					
SB	352+87	407+80	Lt.	5493					
SB	420+06	434+75	Lt.	1469					
SB	443+49	463+00	Lt.	1951					
SB	473+49	495+32	Lt.	2183					
SB	502+32	664+49.88	Lt.	16217.88					
Station Equation: Sta. 664+49.88 (Back) = Sta. 660+47.66 (Ahead)									
SB	660+47.66	678+75	Lt.	1827.34					
SB	690+97	704+62	Lt.	1365					
SB	4+37	11+00	Lt.	663					
NB	289+00	293+01	Rt.	401					
NB	305+93	312+41	Rt.	648					
NB	313+43	329+46	Rt.	1603					
NB	331+90	345+45	Rt.	1355					
NB	357+60	416+15	Rt.	5855					
NB	424+57	429+58	Rt.	501					
NB	441+63	463+50	Rt.	2187					
NB	471+50	494+27	Rt.	2277					
NB	505+50	664+49.88	Rt.	15899.88					
Station Equation: Sta. 664+49.88 (Back) = 660+47.66 (Ahead)									
NB	660+47.66	693+00	Rt.	3252.34					
NB	701+36	706+29	Rt.	493					
NB	9+61	11+00	Rt.	139					
IR-75 AND U.S.R.-33 INTERCHANGE									
RAMP F									
293+01 (75)	301+50 (75)		Rt.	849					
Station Equation: Sta.301+49.98 IR-75 = Sta. 0+00 Ramp F									
0+00	15+34		Rt.	1606					
4+60	15+34		Lt.		1074				
15+20									
303+22 (75)	305+93 (75)		Rt.						
1+88	4+60		Lt.						
1+88	4+60		Lt.						
298+12 (75)	303+22 (75)		Rt.			510			
RAMP D									
2+59	13+93		Rt.	1134					
3+09	4+59		Lt.		150				
5+80	12+41		Lt.		661				
2+59	3+09		Lt.						
4+59	5+00		Lt.						
12+41	12+91		Lt.						
RAMP E									
0+86	2+00		Rt.	114					
0+86	3+27		Lt.		241				
2+00	2+43		Rt.						
SUB-TOTAL				73352.44	89098.60				
TOTALS TO TRAFFIC CONTROL SUMMARY				30.77 Mile		87482.60			
						16.57 Mile			

A:AU75PM01 19920220

PAVEMENT MARKING SUB-SUMMARY

CALC. BY TLK DATE 10-91	ALL-75-0.00 AUG-75-4.54	OHIO
CHKD. BY MEF DATE 10-91		FHWA REGION 5
		FEDERAL PROJECT

167 / 231

ITEM 642 TYPE 2

PAVEMENT	LOCATION AND STATION FROM	TO	SIDE	4" EDGE LINES WHITE LIN. FT.	4" EDGE LINES YELLOW LIN. FT.	4" LANE LINES YELLOW LIN. FT.	8" CHANNELIZING LINES WHITE LIN. FT.	24" TRANSVERSE LINES WHITE LIN. FT.		24" STOP LINES LIN. FT.
IR-75 U.S.R.-33 INTERCHANGE (Cont.)										
RAMP C:										
	3+51	30+55	Rt.	2704			42			
	4+01	7+68	Lt.		367		50			
	10+26	19+56	Lt.		930		44			
	7+68	8+10	Lt.							
	3+51	4+01	Lt.							
	19+56	20+00	Lt.							20
	20+00	22+88	Lt.		288					
RAMP G										
	2+74	3+87	Rt.	113			42			
	2+74	4+89	Lt.		215					
	8+76 (C)	10+26 (C)	Lt.		150					
	3+87	4+29	Rt.							20
RAMP A										
	5+83	18+83	Lt.	1300			30			
	6+33	9+72	Rt.		339					
	11+30	16+42	Rt.		512		76			
	9+72	10+02	Rt.				176			
RAMP A CROSSOVER				38				89		20
RAMP A CROSSOVER	16+42	17+18	Rt.		182					
	318+68 (75)	320+44 (75)	Lt.							
	16+42	17+18	Rt.							
	159+00 (U.S.R. 33)		Lt.							
IR-75 AND BELLEFONTAINE ST. INTERCHANGE:										
	1+43	8+65	Rt.	742						
	3+88	8+65	Lt.		477					
	8+50									
	2+75	3+88	Lt.							
	330+78 (75)	331+90 (75)	Rt.				113	104		20
	2+75	3+88	Lt.				128			
	312+41 (75)	330+78 (75)	Rt.			1837				
RAMP B										
	3+66	17+38	Rt.	1372						
	348+20	357+60	Rt.	940						
	3+66	5+23	Lt.		157		50			
	5+68	14+39	Lt.		871		25			
RAMP B CROSSOVER					86					
RAMP B CROSSOVER				65			50			
RAMP B CROSSOVER							24			
	14+39	14+64	Lt.							
	14+64	15+37	Lt.			73				
RAMP C										
	3+66	17+37	Rt.	1371						
	3+66	5+23	Lt.		157					
	5+68	14+37	Lt.		869					
RAMP C CROSSOVER					86					
RAMP C CROSSOVER				65						
RAMP C CROSSOVER										
	14+37	14+63	Lt.							
	14+63	15+36	Lt.			72				
	320+44 (75)	330+19 (75)	Lt.			975				
RAMP D										
	0+00	8+65	Rt.	925						
	348+35 (75)	352+87 (75)	Lt.	452						
	3+92	8+65	Lt.		533					
	8+50									
	2+77	3+92	Lt.							
	344+43 (75)	345+57 (75)	Lt.							
	2+77	3+92	Lt.							
IR-75 AND SR-67 INTERCHANGE										
RAMP B										
	416+15 (75)	422+57 (75)	Rt.	642						
	0+00	16+47	Rt.	1719						
	2+00	16+47	Lt.		1447					
	16+60									
	0+98	2+00	Lt.							
	423+56 (75)	424+57 (75)	Rt.							
	0+98	2+00	Lt.							
	420+27 (75)	423+56 (75)	Lt.			329				
	15+00	16+42	Lt.	147						
	15+00	16+47	Lt.		147					
SUB-TOTAL				12595	7525	3574	1282	413		80
TOTALS TO TRAFFIC CONTROL SUMMARY				3.81	Mile	0.68 Mile				

A:AU75PM02 19920221

PAVEMENT MARKING SUB-SUMMARY

PAVEMENT MARKING SUB-SUMMARY

CALC. BY TLK DATE 10-91	ALL-75-0.00 AUG-75-4.54	OHIO
CHKD. BY MEF DATE 10-91		FHWA REGION 5
		FEDERAL PROJECT

168 / 231

ITEM 642 TYPE 2

PAVEMENT	LOCATION AND STATION FROM	LOCATION AND STATION TO	SIDE	4" EDGE LINES WHITE LIN. FT.	4" EDGE LINES YELLOW LIN. FT.	4" LANE LINES WHITE LIN. FT.	4" SOLID DOUBLE CENTER LINE WHITE LIN. FT.	8" CHANNELIZING LINES WHITE LIN. FT.	24" TRANSVERSE LINES WHITE LIN. FT.	24" STOP LINES LIN. FT.
IR-75 AND SR-67 INTERCHANGE (Cont)										
RAMP A										
	0+00	17+57	Rt.	1757						
	430+98	441+63	Rt.	1065						
	1+51	3+89	Rt.		238					
	3+89	16+05	Lt.		1216					
	16+05	16+17	Lt.					12		
	16+17	16+55	Lt.			38				
RAMP C										
	1+60	18+50	Lt.	1690						20
	437+97 (75)	443+49 (75)	Lt.	552				179 175	192	
	1+60	6+20	Rt.		460					
	6+70	15+26	Rt.		856					
RAMP C CROSSOVER				60						
RAMP C CROSSOVER					90					
	113+80 (67)	15+26	Lt.							
	15+26	17+05	Rt.							
	434+75 (75)	436+50 (75)	Lt.							
	436+50 (75)	439+50 (75)	Lt.							
	15+26	17+05	Rt.			300				
RAMP D										
	407+80	417+75 (75)	Lt.	995				31		20
	0+00	8+79	Lt.	951						
	2+51	8+79	Rt.		648					
	2+30	2+51	Rt.							
	1+70	2+30	Rt.			60				
IR-75 AND NATIONAL ROAD INTERCHANGE										
RAMP A										
	678+75 (75)	688+91 (75)	Lt.	1016				17		
	0+00	9+30	Lt.	972						
	2+23	9+30	Rt.		727					
	2+06	2+23	Rt.							
	1+49	2+06	Rt.			57				
RAMP B										
	0+28	11+71	Lt.	1183						
	0+20 (75)	4+37 (75)	Lt.	417				148 146	156	20
	0+28	7+29	Rt.		701					
	0+35									
	7+29	8+77	Rt.							
	704+62 (75)	706+08 (75)	Lt.							
	7+29	8+77	Rt.							
	706+08 (75)	708+84.08 (75)	Lt.			276				
Station Equation: Sta. 708+84.08 (Back) = Sta. 0+00 (Ahead)										
	0+00	0+31	Lt.			31				
RAMP C										
	693+00	697+16 (75)	Rt.	416				80	102	
	0+00	15+15	Rt.	1515						
	4+13	8+01	Lt.		388					
	5+31 (D)	0+50 (D)	Rt.		481					
	11+26	13+65	Lt.		239					
	0+12 (D)	1+83 (D)	Lt.	171				109 102		
	13+65	14+45	Lt.							
	697+16 (75)	700+27 (75)	Rt.			311				16
	700+27 (75)	701+36 (75)	Rt.					13		
	3+11	4+13	Lt.							
	3+11	4+13	Lt.							
RAMP D										
	0+50	10+21	Lt.		971					
	0+12	11+90	Rt.	1250						
	707+84 (75)	708+84.08 (75)	Rt.	100						
Station Equation: Sta. 708+84.08 (Back) = Sta. 0+00 (Ahead)										
	0+00 (75)	9+61 (75)	Rt.	961						
	0+20									
	10+21	10+34	Lt.			41				
	10+34	10+75	Lt.							
NATIONAL ROAD										
	4+70	21+00	℄							
	4+29	7+65	Rt.	336			1630			
	8+35	21+00	Rt.	1265						
	4+29	7+65	Rt.	336						
	8+35	13+49	Lt.	514			500			
	14+65	16+72	Lt.	207						
	17+60	21+00	Lt.	340						
	4+70									
SR-67 MAINLINE										
	117+00	122+00	℄							
HENGSTLER ROAD										
	7+00	24+00	Rt.	1700						
	7+00	24+00	Lt.	1700			1700			
	7+00	24+00	℄							
SUB-TOTAL				21469	7015	1114	3830	1012	450	86
TOTALS TO TRAFFIC CONTROL SUMMARY				5.39 Mile		0.21 Mile	0.73 Mile			

A:AU75PM03 19920221

PAVEMENT MARKING SUB-SUMMARY

PAVEMENT MARKING SUB-SUMMARY

CALC. BY TLK DATE 10-91	ALL-75-0.00 AUG-75-4.54	OHIO
CHKD. BY MEF DATE 10-91		FHWA REGION 5
		FEDERAL PROJECT

169 231

ITEM 642 TYPE 2

** CAR RAMP
* TRUCK RAMP

PAVEMENT	LOCATION AND STATION FROM	LOCATION AND STATION TO	SIDE	4" EDGE LINES WHITE LIN. FT.	4" EDGE LINES YELLOW LIN. FT.	4" LANE LINES WHITE LIN. FT.	8" CHANNELIZING LINES WHITE LIN. FT.	24" TRANSVERSE LINES WHITE LIN. FT.	24" STOP LINES LIN. FT.
REST AREA'S RAMPS									
NB	463+50 (75)	466+96 (75)	Rt.	346					
NB	10+00 *	16+68 *	Rt.	668					
NB	14+55 *	16+68 *	Lt.		213				
NB	466+61 (75)	468+71 (75)	Rt.			210			
NB	468+71 (75)	471+50 (75)	Rt.				279		
NB	11+75 *	14+55 *	Lt.				280	305	
NB	11+75 *	14+55 *	Lt.						
NB	35+30 *	42+64 *	Lt.		734				
NB	35+30 *	36+94 *	Rt.	164					
NB	30+50 **	32+12 **	Rt.		162				
NB	30+50 **	34+81 **	Rt.	431					
NB	39+67 *	42+64 *	Rt.	297					
NB	293+50 (75)	505+50 (75)	Rt.	1200				270	
NB	36+94 *	37+92 *	Rt.				98		
NB	32+12 **	33+08 **	Rt.				96		
NB	493+50 (75)	494+27 (75)	Rt.				77		
NB	494+27 (75)	495+56 (75)	Rt.			129			
SB	463+00 (75)	475+00 (75)	Lt.	1200					
SB	0+00 *	7+00 *	Rt.		700				
SB	5+73 *	7+00 *	Lt.	127					
SB	0+00 **	6+75 **	Lt.	675					
SB	5+64 **	6+75 **	Rt.		111				
SB	470+46 (75)	473+49 (75)	Lt.			303			
SB	473+49 (75)	475+00 (75)	Lt.				151		
SB	5+05 **	5+64 **	Rt.				59		
SB	5+06 **	5+73 **	Lt.				67		
SB	19+00 *	24+82 *	Lt.	582					
SB	499+54 (75)	502+32 (75)	Lt.	278					
SB	19+00 *	20+57 *	Rt.		157				
SB	20+57 *	23+29 *	Rt.						
SB	495+32 (75)	498+00 (75)	Lt.						
SB	20+57 *	23+29 *	Rt.						
SB	498+00 (75)	499+66 (75)	Lt.			166			
	SUB-TOTAL			5968	2077	808	1647	575	
	TOTALS TO TRAFFIC CONTROL SUMMARY			1.53 Mile		0.15 Mile			

A:AU75PM04 19920221

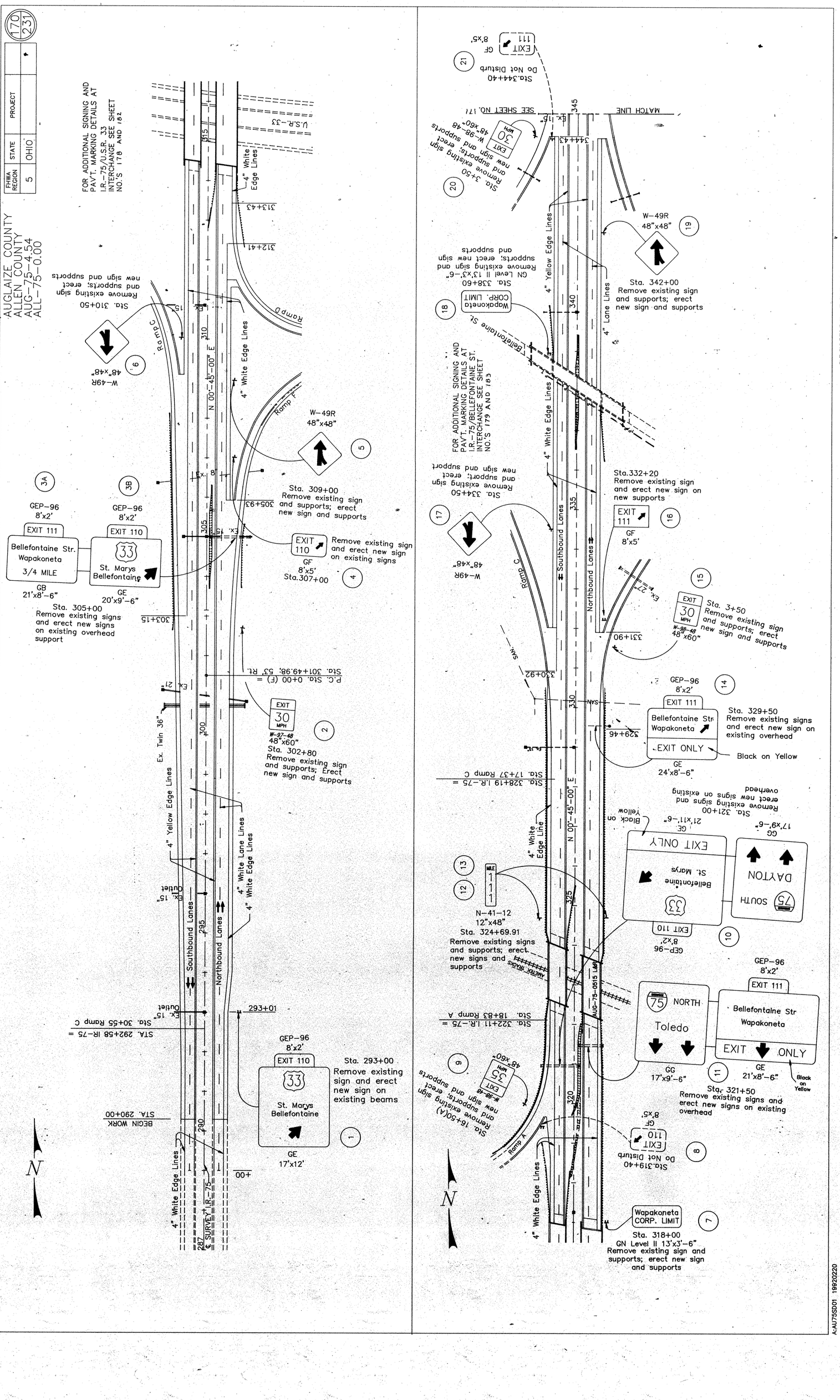
PAVEMENT MARKING SUB-SUMMARY

FHWA REGION	STATE	PROJECT	
5	OHIO		

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

FOR ADDITIONAL SIGNING AND PAV'T. MARKING DETAILS AT I.R.-75/U.S.R. 33 INTERCHANGE SEE SHEET NO.'S 178 AND 182

FOR ADDITIONAL SIGNING AND PAV'T. MARKING DETAILS AT I.R.-75/BELLEFONTAINE ST. INTERCHANGE SEE SHEET NO.'S 179 AND 185



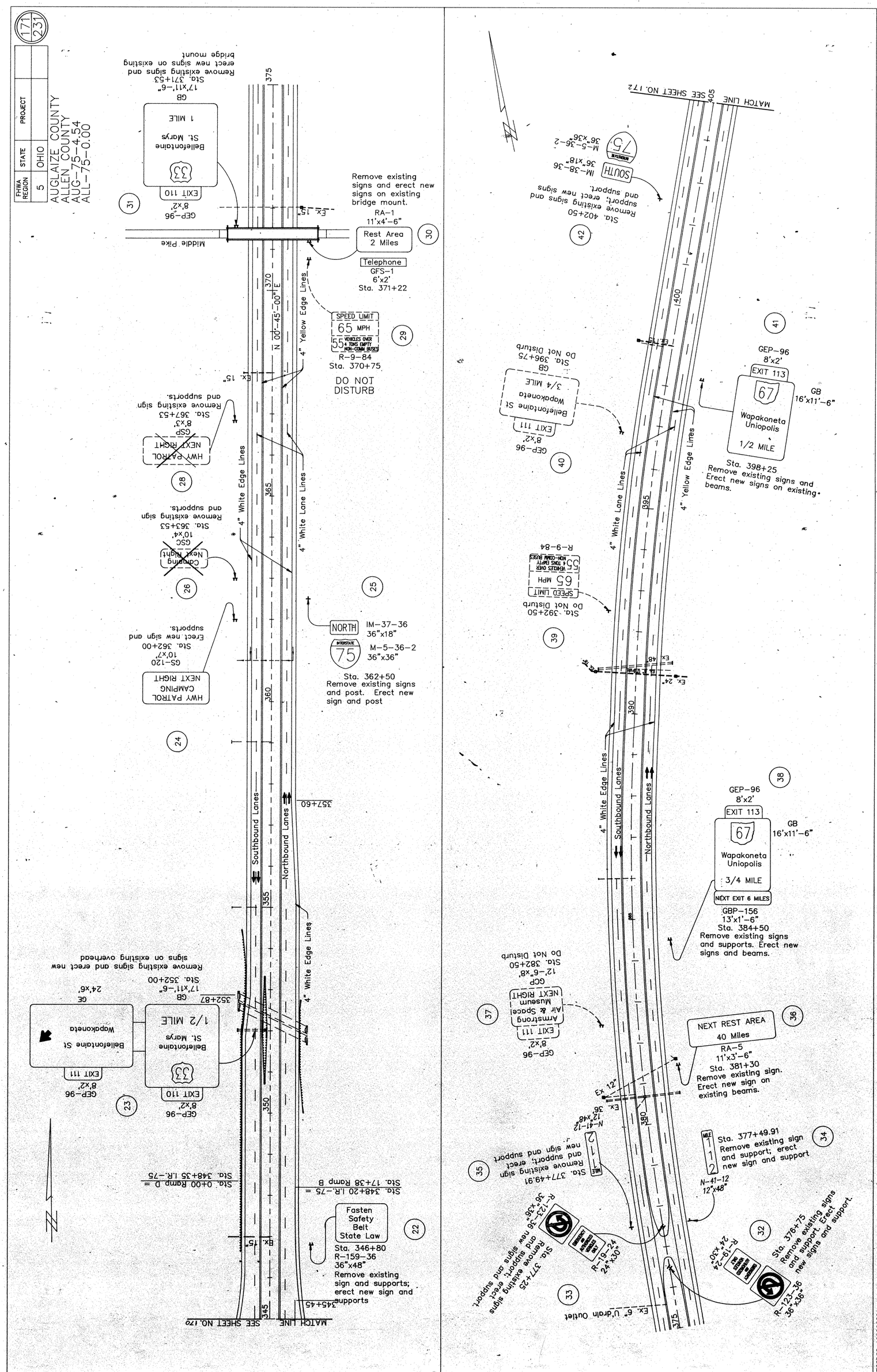
SIGNING DETAIL I.R.-75 STA. 287+00 TO STA. 345+00

A:AU75SD01 19920220

FHWA REGION	STATE	PROJECT
5	OHIO	

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

SIGNING DETAIL I.R.-75 STA. 345+00 TO STA. 405+00


MATCH LINE SEE SHEET NO. 172
SOUTH
I-75
M-5-36-2
36"x36"
IM-38-36
36"x18"
Remove existing signs and erect new signs on existing bridge mount.
RA-1
11'x4'-6"
Rest Area
2 Miles
Telephone
GFS-1
6'x2'
Sta. 371+22
Middle Pike
Bellefontaine
St. Marys
1 MILE
GB
17'x11'-6"
Sta. 371+53
Remove existing signs and erect new signs on existing bridge mount
GEP-96
8'x2'
EXIT 110
SPEED LIMIT
65 MPH
55 VEHICLES OVER 5 TONS EMPTY NON-COMM BUSES
R-9-84
Sta. 370+75
DO NOT DISTURB
4" Yellow Edge Lines
4" White Lane Lines
4" White Edge Lines
Southbound Lanes
Northbound Lanes
N 00°-45'-00" E
HWY PATROL
NEXT RIGHT
GSP
8'x2'
Sta. 367+53
Remove existing sign and supports.
Camping
Next Right
GSC
10'x4'
Sta. 363+53
Remove existing sign and supports.
HWY PATROL
CAMPING
NEXT RIGHT
GS-120
10'x7'
Sta. 362+00
Erect new sign and supports.
NORTH
IM-37-36
36"x18"
INTERSTATE
75
M-5-36-2
36"x36"
Sta. 362+50
Remove existing signs and post. Erect new sign and post
Bellefontaine St
Wapakoneta
1/2 MILE
GB
17'x11'-6"
Sta. 352+00
Remove existing signs and erect new signs on existing overhead
GE
24'x6'
GEP-96
8'x2'
EXIT 111
GEP-96
8'x2'
EXIT 110
Sta. 0+00 Ramp D = Sta. 348+35 I.R.-75
Sta. 17+38 Ramp B = Sta. 348+20 I.R.-75
Fasten Safety Belt State Law
Sta. 346+80
R-159-36
36"x48"
Remove existing sign and supports; erect new sign and supports
MATCH LINE SEE SHEET NO. 170
Sta. 345+45
Sta. 402+50
Remove existing signs and support; erect new signs and support.
Bellefontaine St
Wapakoneta
3/4 MILE
GB
Sta. 396+75
Do Not Disturb
GEP-96
8'x2'
EXIT 111
GEP-96
8'x2'
EXIT 113
67
Wapakoneta
Uniopolis
1/2 MILE
GB
16'x11'-6"
Sta. 398+25
Remove existing signs and Erect new signs on existing beams.
SPEED LIMIT
65 MPH
55 VEHICLES OVER 5 TONS EMPTY NON-COMM BUSES
R-9-84
Sta. 392+50
Do Not Disturb
GEP-96
8'x2'
EXIT 113
67
Wapakoneta
Uniopolis
3/4 MILE
NEXT EXIT 6 MILES
GB
16'x11'-6"
GBP-156
13'x1'-6"
Sta. 384+50
Remove existing signs and supports. Erect new signs and beams.
GCP
12'-6"x8'
Sta. 382+50
Do Not Disturb
GEP-96
8'x2'
EXIT 111
Armstrong Air & Space Museum
NEXT RIGHT
NEXT REST AREA
40 Miles
RA-5
11'x3'-6"
Sta. 381+30
Remove existing sign. Erect new sign on existing beams.
Sta. 377+49.91
Remove existing sign and support; erect new sign and support
N-41-12
12"x48"
Sta. 377+49.91
Remove existing sign and support; erect new sign and support
R-123-36
36"x36"
Sta. 377+25
Remove existing signs and supports; erect new signs and support.
R-19-24
24"x30"
Sta. 376+75
Remove existing signs and support. Erect new signs and support.
R-123-36
36"x36"
R-19-24
24"x30"
Ex. 6" Ularin Outlet
Ex. 12"
Ex. 36"
Ex. 48"
Ex. 24"
Ex. 15"
Ex. 18"
Ex. 48"
Ex. 15"
Ex. 15"
Ex. 15

FHWA REGION	STATE	PROJECT	
5	OHIO		

172
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

FOR ADDITIONAL SIGNING AND PAV'T. MARKING DETAILS AT I.R.-75/U.S.R.-67 INTERCHANGE SEE SHEET NO.'S 180 AND 184

SEE SHEET NO. 171

MATCH LINE

4" White Edge Lines

4" White Lane Lines

4" Yellow Edge Lines

Southbound Lanes

Northbound Lanes

℄ SURVEY I.R.-75

N 21°-43'-00" E

405 410 415 420 425 430 435

407+80

420+06

434+75

429+58

Ex. 15"

Ex. 21"

Ex. Twin 30"

RAMP D

RAMP C

RAMP A

RAMP B

℄ EX. S.R.-67

45 W-49R 48"x48" Sta. 423+00 Remove existing sign and supports erect new sign and supports

44 48"x60" Sta. 1+60 Remove existing sign and supports; erect new sign and supports

46 EXIT 113 GF 8'x5' Sta. 424+65 Remove existing sign and supports; erect new sign and supports

47 W-49R 48"x48" Sta. 427+75 Remove existing sign and supports; erect new sign and supports

48 49 12"x48" Sta. 430+29.91 Remove existing signs and supports; erect new signs and supports

50 GEP-96 8'x2' EXIT 111 Bellefontaine St Wapakoneta 1 1/2 MILE GB Sta. 431+00 Do Not Disturb

51 EXIT 113 GF 8'x5' Sta.434+55 Remove existing sign and erect new sign on existing beams

43 GE 16'x11'-6" Sta. 416+00 Remove existing signs and erect new signs on existing beams. 67 Wapakoneta Uniopolis GEP-96 8'x2' EXIT 113 416+15

52 GEP-96 8'x2' EXIT 113 67 Uniopolis Wapakoneta GE 16'x11'-9" Sta. 443+50 Remove existing signs and erect new signs on existing beams 443+49

53 NORTH IM-38-36 36"x18" 75 M-5-36-2 36"x36" Sta. 447+50 Remove existing signs and support; erect new signs and support

54 R-123-36 36"x36" Sta. 453+75 Remove existing signs and supports; erect new signs and supports

55 Sta 454+25 Remove existing signs and supports; erect new signs and supports R-123-36 36"x36" DETOUR AHEAD R-193-24 24"x30"

56 SPEED LIMIT 65 MPH R-2-55 TRUCKS SHIFT NON-COM BUSES R-9-84 Sta. 455+00 Do Not Disturb

57 GEP-96 8'x2' EXIT 113 67 Uniopolis Wapakoneta 1/2 MILE GB 16'x11'-6" Sta. 460+00 Remove existing signs and erect new signs on existing beams

58 Telephone GFS-1 6'x2' Sta. 463+50 Remove existing signs and erect new signs on existing beams RA-2 11'x5' Rest Area 463+50

463+00

Ex. 15"

441+63

AUGLAIZE RIVER

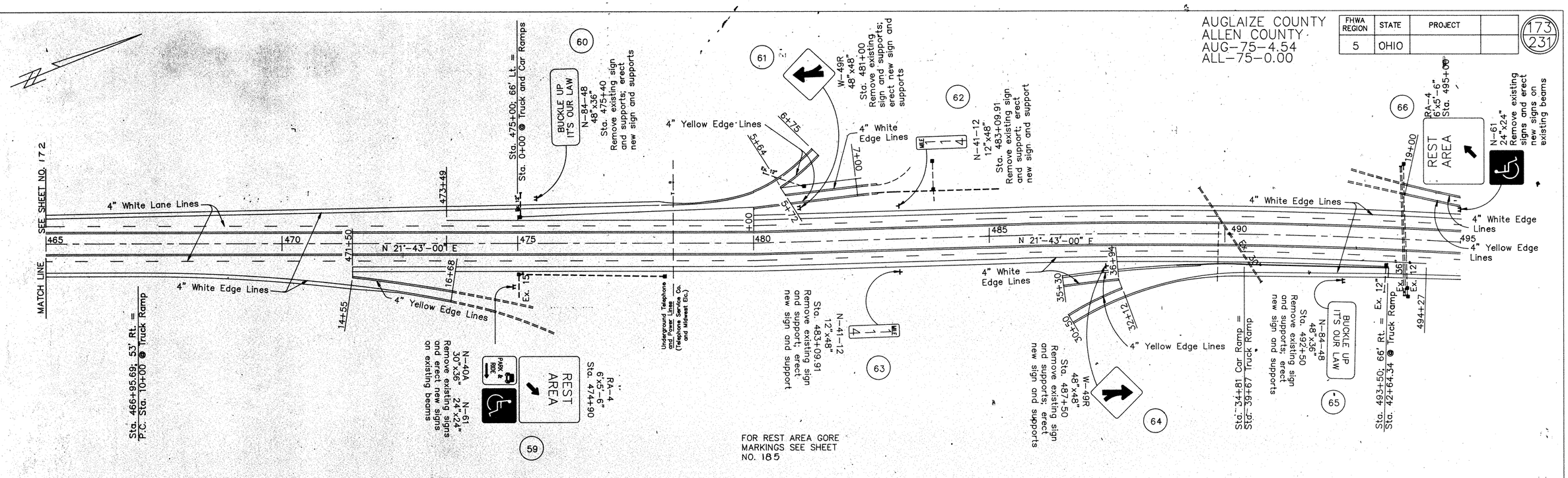
A:AU75SD04 19920220

SIGNING DETAILS STA. 405+00 TO STA. 465+00

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

FHWA REGION	STATE	PROJECT	
5	OHIO		

173
231



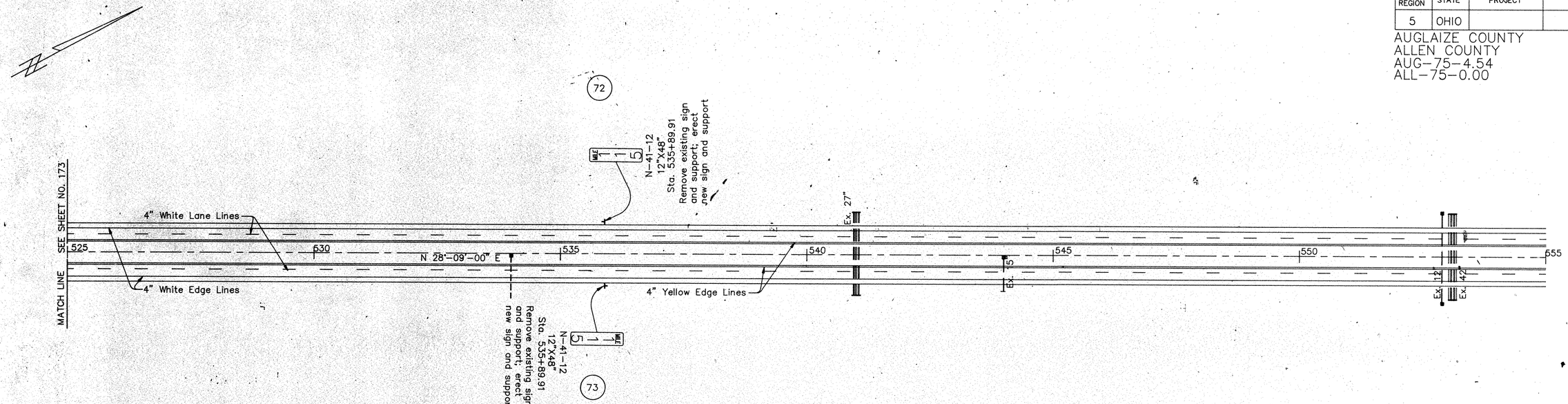
A:AU75SD05 19920220

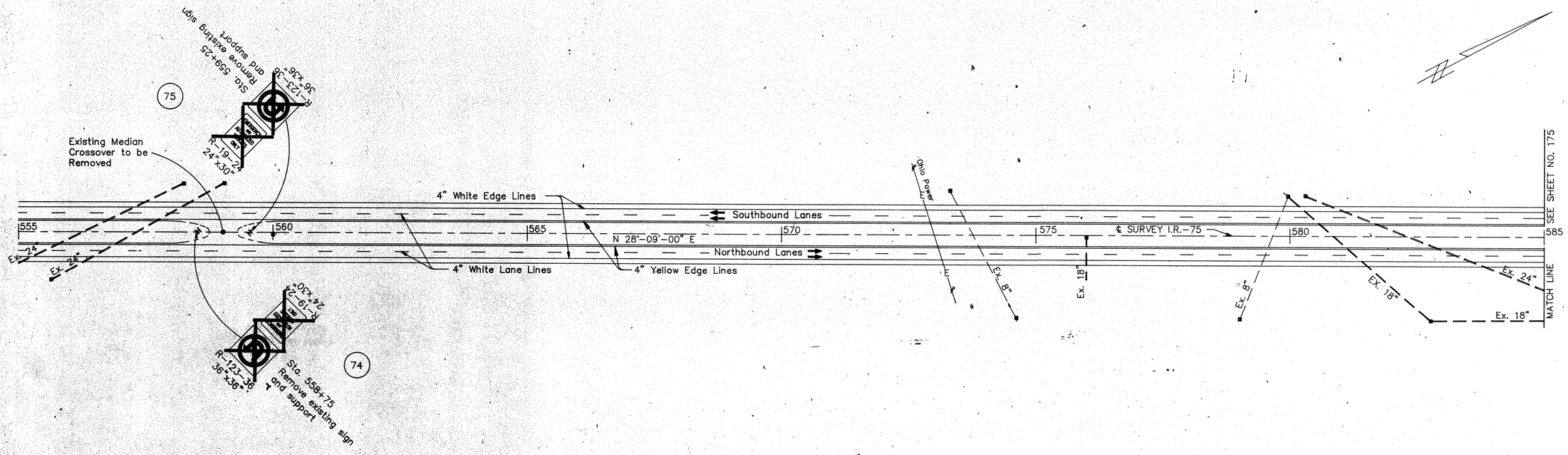
SIGNING DETAIL I.R.-75 STA. 465+00 TO STA. 525+00

FHWA REGION	STATE	PROJECT	
5	OHIO		

174
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00





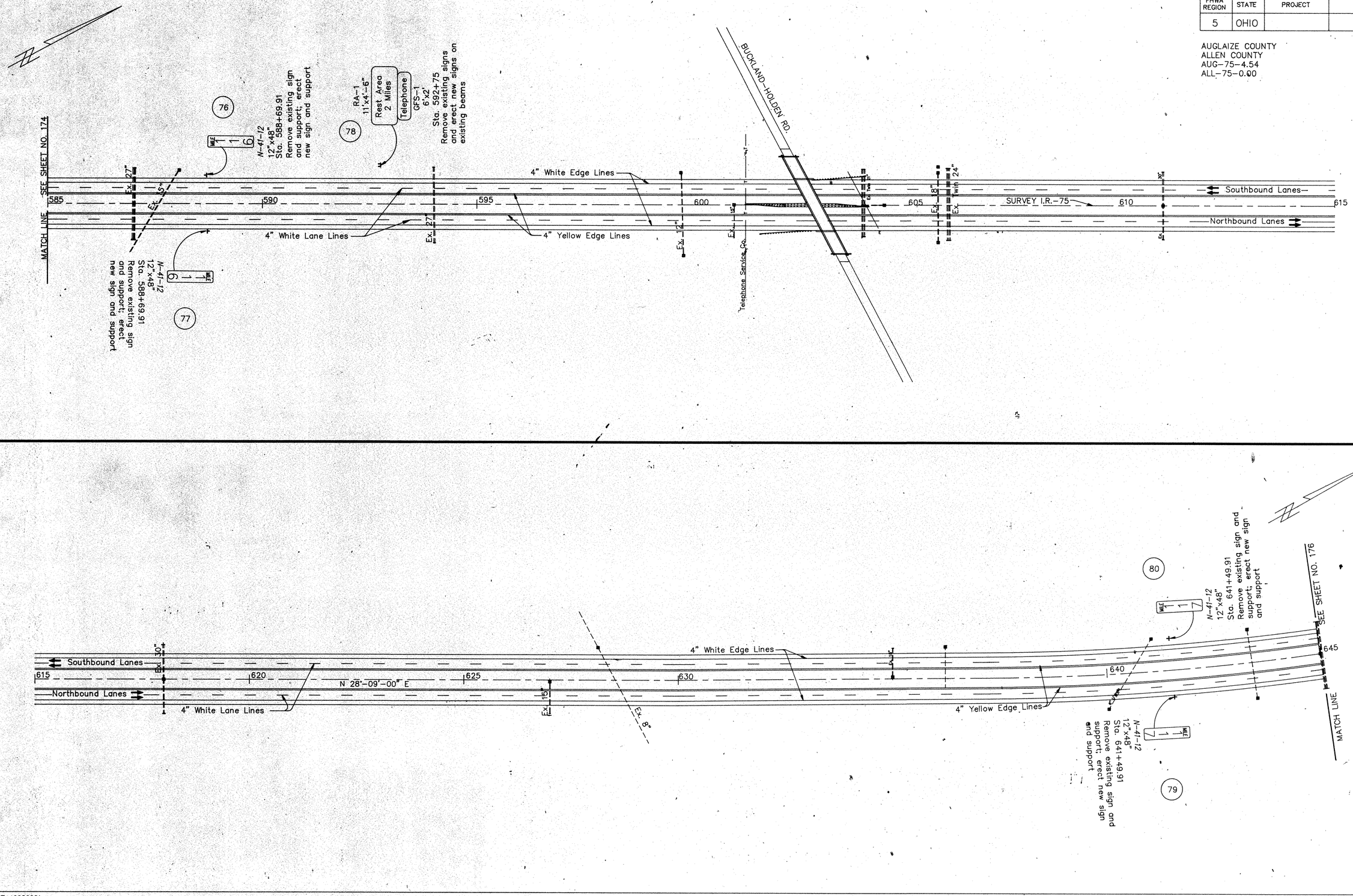
A:AU75SD06 19920220

SIGNING DETAIL I.R.-75 STA. 525+00 TO STA. 585+00

FHWA REGION	STATE	PROJECT	
5	OHIO		

175
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00



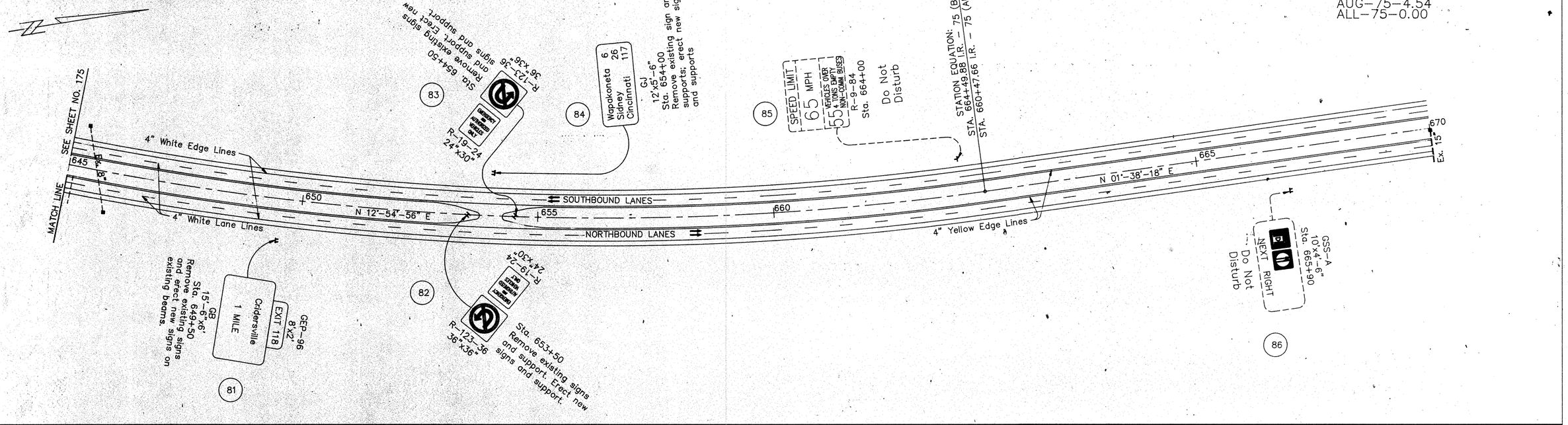
A:AU75SD07 19920221

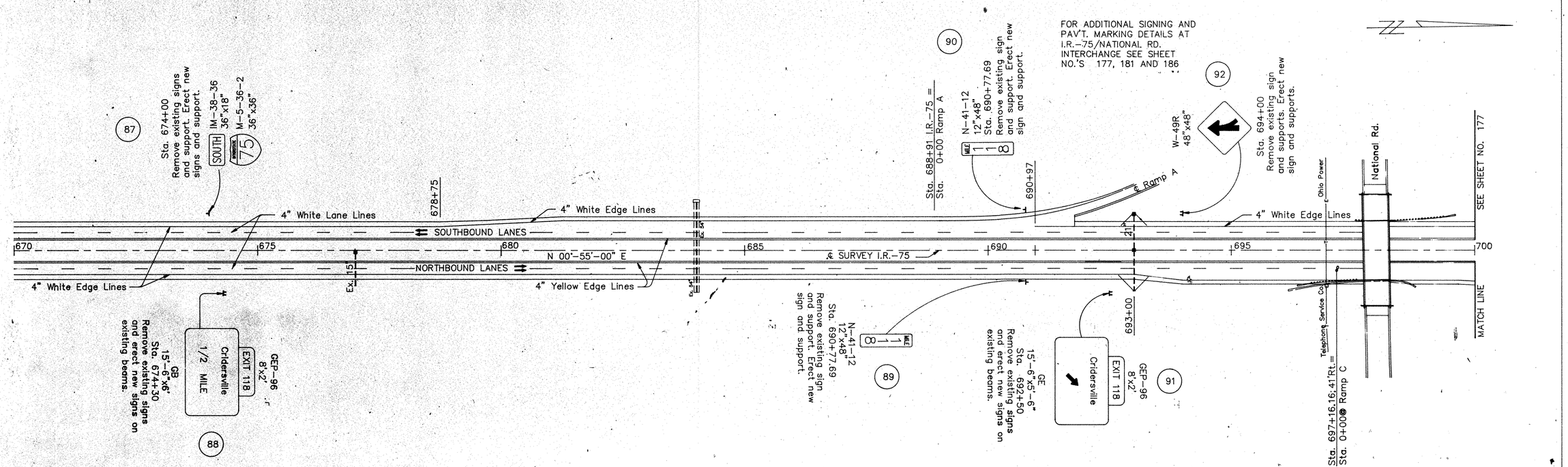
SIGNING DETAIL STA. 585+00 TO STA. 645+00

FHWA REGION	STATE	PROJECT	
5	OHIO		

176
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00





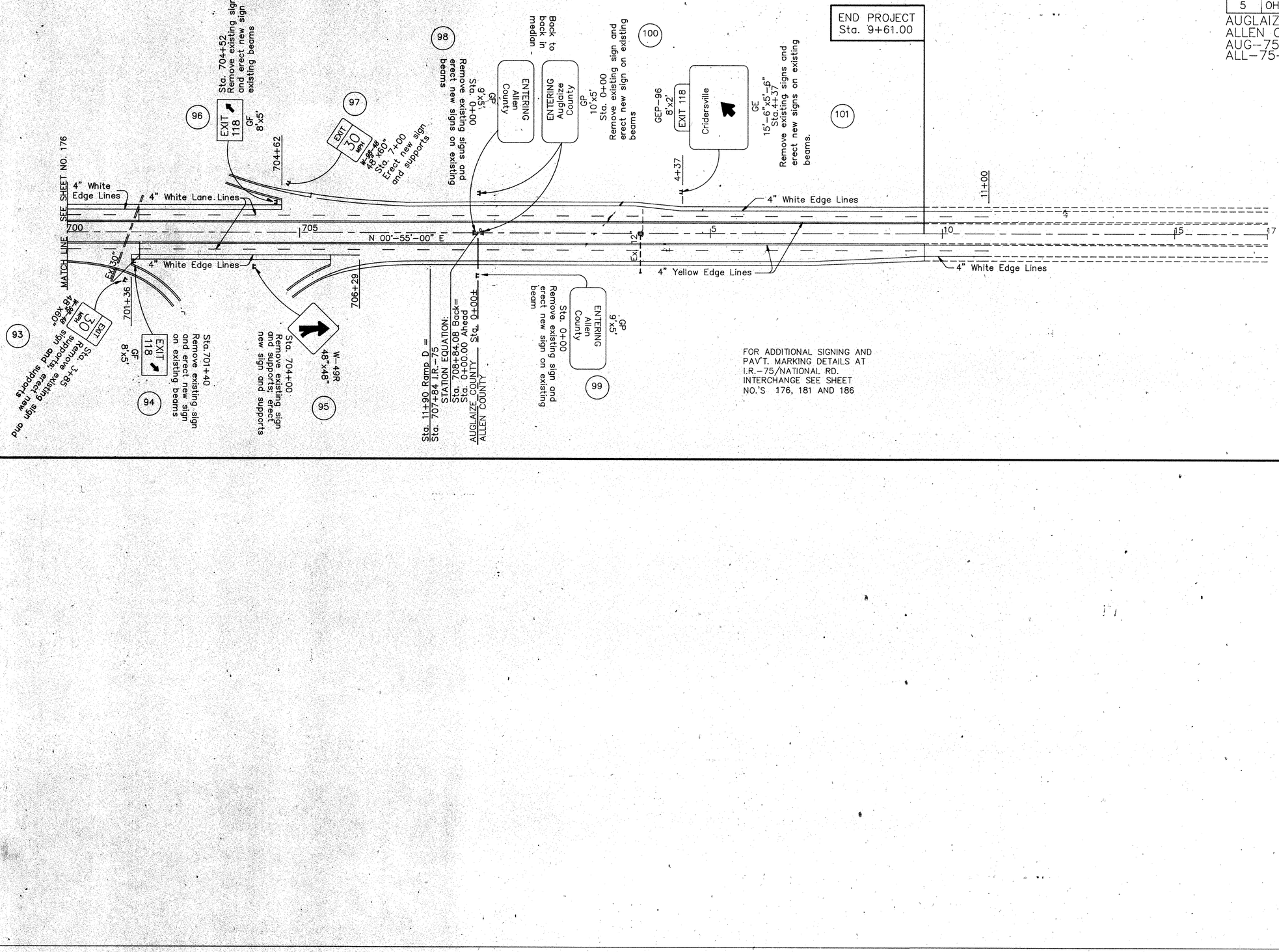
-:AU75SD08 19920221

SIGNING DETAIL I.R.–75 STA. 645+00 TO STA. 700+00

FHWA REGION	STATE	PROJECT	
5	OHIO		

177
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00



A:AU75SD09 19920221

SIGNING DETAIL I.R.-75 STA. 700+00 TO STA. 17+00

SIGNING DETAIL I.R.–75 & USR–33 INTERCHANGE

FHWA REGION	STATE	PROJECT	
5	OHIO		

178
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00

N

0 50 100 200

FOR ADDITIONAL SIGNING AND PAV'T. MARKING DETAILS AT I.R.–75/U.S.R.–33 INTERCHANGE SEE SHEET NO.'S 170 AND 182 ,

P.C. Sta. 0+00 (F) = Sta. 301+49.98; 53' Rt.

Sta. 4+89 Ramp G = Sta. 8+76 Ramp C

Sta. 5+80 Ramp(D)= Sta. 3+27 Ramp (E)

Sta. 322+11 I.R.–75 = Sta. 18+83 Ramp (A)

Sta. 313+43.89; 53' Rt. S.T. Sta. 13+92.64

111 R–15A–36 36"x36" Sta. 8+88 Remove existing sign and support; erect new sign and support

110 R–2–36 Sta. 3+70 Remove existing sign and supports; erect new sign and support

Sta. 10+26 (C)

112 R–49–36 36"x36" DO NOT ENTER STOP R–1–48 48"x48" Sta. 9+48 (A) Remove existing signs and supports; erect new signs and supports

R–43R–36 ONE WAY DO NOT ENTER R–49–36 ONE WAY R–43L–36 Sta. 9+96(A) Remove existing signs and supports; erect new signs and supports

113 4" White Edge Lines, 8" White Channelizing Lines

114 D–4B 11' x 3' Brown/White Grand Lake St. Marys 16 St. Marys 16 Indian Lake 17 11+00 D–4A 11' x 2' Remove existing signs and supports; erect new signs and supports

115 12" White Stop Line

116 R–41A–36 36"x24" WRONG WAY Sta. 12+15 Remove exist signs and supports; erect new signs and supports

117 D–48 11' x 4' St. Marys 13 Bellefontaine 30 Sta. 14+00 Remove existing sign and erect new sign on existing beams

103 4" Yellow Edge Lines, 4" White Edge Lines

102 R–41A–36 36"x24" WRONG WAY W–45A–48 48"x48" Sta. 9+00 Remove existing signs and supports; erect new signs and supports

104 D–48 11'x4' M–25–24 24"x18" M–2–30–2 30"x30" Bellefontaine 30 St. Marys 13 Sta. 10+50 Remove existing signs and erect new signs on existing beams

105 D–4A 11' x 2' Brown/White Indian Lake 17 St. Marys 16 Grand Lake St. Marys 14+00 D–48 11' x 3' Brown/White Remove existing signs and supports; erect new signs and supports

108 R–2–36 YIELD Sta. 1+80 "E" Remove existing sign and support; erect new sign and support

107 R–38R–24 24" x 30" Sta. 0+95± Remove existing sign and support erect new sign and support

106 R–1–48 48"x48" STOP R–43R–36 ONE WAY R–41B–36 DO NOT ENTER R–43L–36 ONE WAY Sta. 15+10 Remove existing signs and supports; erect new signs and supports

109 R–15A–36 36"x36" Sta. 6+00 Remove existing sign and supports erect new sign and support

RAMP A, RAMP C, RAMP D, RAMP E, RAMP F, RAMP G

8" White Channelizing Lines

4" White Edge Lines

4" Yellow Edge Lines

8" White Channelizing Line

End 4" Yellow Edge Line

12" White Stop Line

End 4" White Edge Line

A:AU75SD12 19920221

I.R. 75 & BELLEFONTAINE ST. INTERCHANGE

FHWA REGION	STATE	PROJECT	
5	OHIO		

179
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00

0 50 100 200

FOR ADDITIONAL SIGNING AND PAV'T MARKING DETAILS AT I.R.–75/BELLEFONTAINE ST. INTERCHANGE SEE SHEET NO.'S 170 AND 183

N

Sta. 328+19 I.R.–75 =
Sta. 17+37 Ramp C

Sta. 329+46 I.R.–75 =
Sta. 1+43 Ramp A

Sta. 348+35 I.R.–75 =
Sta. 0+00 Ramp D

Sta. 348+20 I.R.–75 =
Sta. 17+38 Ramp B

4" White Edge Lines
4" Yellow Edge Lines
24" White Stop Line
8" White Channelizing Lines
N 00°–45'–00" E
Ramp A
Ramp B
Ramp C
Ramp D
14+37
15
3+92
3+69
3+88
5+23
5+45
5+68
5+48
8+65
8+75
860
875
325
330
335
340
345
350

Sta. 5+55
Remove existing sign and support; erect new sign and support
R–431–36
ONE WAY
126

Sta. 0+00
Remove existing sign and support; erect new sign and support
R–154–36
PROHIBITED
127

R–2–36
Sta. 864+40
Remove existing sign and support; erect new sign and support
125

Sta. 8+40
Remove existing signs and supports; erect new signs and supports
R–418–36
DO NOT ENTER
STOP
R–1–48
131

Sta. 6+65
Remove existing sign on back of beam; erect new sign on existing mount
R–414–36
36"x24"
WRONG WAY
129

D–4B
11'x4'
Bellefontaine St.
Wapakoneta 2
Air & Space Museum
128

D–4A
11'x2'
Sta. 6+65
Remove existing signs and erect new signs on existing beams

Sta. 8+30
Remove existing signs and supports; erect new signs and supports
R–418–36
DO NOT ENTER
ONE WAY
R–431–36
120

Sta. 8+30
Remove existing signs and supports; erect new signs and supports
R–418–36
DO NOT ENTER
ONE WAY
R–431–36
130

Sta. 6+50
Remove existing signs and supports; erect new signs and supports
R–418–36
DO NOT ENTER
ONE WAY
R–431–36
121

Sta. 6+50
Remove existing sign and support; erect new sign and support
R–414–36
36"x24"
WRONG WAY
119

Sta. 6+50
Remove existing sign and support; erect new sign and support
R–414–36
36"x24"
WRONG WAY
118

D–4B
11'x4'
Bellefontaine St.
Wapakoneta 2
Air & Space Museum

Sta. 6+50
Remove existing sign and support; erect new sign and support
R–154–36
PROHIBITED
124

Sta. 6+50
Remove existing sign and support; erect new sign and support
R–431–36
ONE WAY
123

Sta. 872+50
Remove existing sign and support; erect new sign and support
R–2–36
122

D–4A
11'x2'
Sta. 6+50
Remove existing signs and erect new signs on existing beams

A:AU75SD10 19920221

SIGNING DETAIL I.R. 75 & BELLEFONTAINE ST. INTERCHANGE

SIGNING DETAIL I.R. 75 & S.R. 67 INTERCHANGE

FHWA REGION	STATE	PROJECT	
5	OHIO		

180
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

FOR ADDITIONAL SIGNING AND PAV'T. MARKING DETAILS AT I.R.-75/S.R.-67 INTERCHANGE SEE SHEET NO.'S 172 AND 184

Sta. 417+75 IR-75 = Sta. 0+00 Ramp D

Sta. 437+97 IR-75 = Sta. 18+50 Ramp C

Sta. 422+57 IR-75 = Sta. 0+00 Ramp B

RAMP A

RAMP B

RAMP C

RAMP D

4" White Edge Line

4" Yellow Edge Line

4" Yellow Edge Line

4" White Edge Line

12" White Stop Line

24" White Stop Line

Existing Median Island to be Remved

N 21°43'00"E

140 Sta. 110+27 Remove existing signs and supports; erect new sign and supports R-41B-36 36"x36" DO NOT ENTER

141 Sta. 110+27 Remove existing signs and Support; erect new sign and support R-2-36 36"x36" DO NOT ENTER

142 Sta. 6+30 Remove existing signs and erect new signs on existing beams

143 Sta. 113+80 Remove existing signs and supports; erect new signs and supports R-1-48 48"x48" STOP

144 Remove existing signs and supports; erect new signs and supports R-41B-36 DO NOT ENTER R-41A-36 WRONG WAY

145 Sta. 8+50 Remove existing signs and supports; erect new signs and supports R-41A-36 WRONG WAY

146 Sta. 15+26

147 Sta. 113+37 Remove existing signs and supports; erect new sign and supports R-15A-36 36"x36" PROHIBITED VEHICLE MAXIMUM HEIGHT 13'-6" FROM MEDIAN

148 Sta. 111+83 Do Not Disturb W-40-R 48"x48"

149 Sta. 113+70 Do Not Disturb GH-1 SOUTH 75 DAYTON

150 Sta. 114+30 Do Not Disturb M-5ZA SOUTH 75 NORTH

151 Sta. 115+10 Remove existing signs and supports R-38R-36 36"x36" KEEP RIGHT R-38R-24 24"x24"

152 Sta. 122+12 Remove existing signs and support R-38R-36 36"x36" KEEP RIGHT R-38R-24 24"x24"

153 Sta. 124+50 Do Not Disturb GH-1 NORTH 75 Toledo

154 GH-1 NORTH 75 TOLEDO Sta. 125+40 Do Not Disturb

139 Sta. 125+25 Remove existing sign and support; erect new sign and support R-2-36 36"x36"

136 Sta. 153+45 Remove existing sign and supports; erect new sign and supports R-41A-36 36"x24" WRONG WAY

132 Sta. 44+50(A) Remove existing sign and support; erect new sign and support R-15A-36 36"x36" PROHIBITED VEHICLE MAXIMUM HEIGHT 13'-6" FROM MEDIAN

137 Sta. 16+50 Remove existing signs and supports; erect new signs and supports R-1-48 STOP R-41B-36 DO NOT ENTER R-41A-36 36"x24" WRONG WAY

138 Remove existing sign R-38R-24 24"x24" KEEP RIGHT Sta. 3+50 Remove existing signs and supports; erect new signs and supports R-38R-24 24"x30" KEEP RIGHT

133 Sta. 5+45 Remove existing signs and supports; erect new signs and supports R-41A-36 36"x24" WRONG WAY

134 Sta. 0+00 Ramp B

135 Sta. 7+50 Remove existing signs and erect new signs on existing beams D-4A 11' x 2' Wapakoneta 2 Uniopolis 4 Waynesfield 11 M-2-24 24"x18" M-2-30-2 30"x30" 67

Sta. 111+83 Do Not Disturb W-40-R 48"x48"

Sta. 113+70 Do Not Disturb GH-1 SOUTH 75 DAYTON

Sta. 6+30 Remove existing signs and erect new signs on existing beams M-2-30-2 30"x30" 67 M-30-24 24"x18" Wapakoneta 2 Uniopolis 4 Waynesfield 11 D-4A 11' x 2' D-4B 11' x 4'

Sta. 113+80 Remove existing signs and supports; erect new signs and supports R-1-48 48"x48" STOP

Sta. 110+27 Remove existing signs and supports; erect new sign and support R-41B-36 36"x36" DO NOT ENTER

Sta. 110+27 Remove existing signs and Support; erect new sign and support R-2-36 36"x36" DO NOT ENTER

Sta. 114+30 Do Not Disturb M-5ZA SOUTH 75 NORTH

Sta. 113+37 Remove existing signs and supports; erect new sign and supports R-15A-36 36"x36" PROHIBITED VEHICLE MAXIMUM HEIGHT 13'-6" FROM MEDIAN

Sta. 115+10 Remove existing signs and supports R-38R-36 36"x36" KEEP RIGHT R-38R-24 24"x24" KEEP RIGHT

Sta. 122+12 Remove existing signs and support R-38R-36 36"x36" KEEP RIGHT R-38R-24 24"x24" KEEP RIGHT

Sta. 124+50 Do Not Disturb GH-1 NORTH 75 Toledo

Sta. 125+40 Do Not Disturb GH-1 NORTH 75 TOLEDO

Sta. 125+25 Remove existing sign and support; erect new sign and support R-2-36 36"x36"

Sta. 153+45 Remove existing sign and supports; erect new sign and supports R-41A-36 36"x24" WRONG WAY

Sta. 44+50(A) Remove existing sign and support; erect new sign and support R-15A-36 36"x36" PROHIBITED VEHICLE MAXIMUM HEIGHT 13'-6" FROM MEDIAN

Sta. 16+50 Remove existing signs and supports; erect new signs and supports R-1-48 STOP R-41B-36 DO NOT ENTER R-41A-36 36"x24" WRONG WAY

Remove existing sign R-38R-24 24"x24" KEEP RIGHT Sta. 3+50 Remove existing signs and supports; erect new signs and supports R-38R-24 24"x30" KEEP RIGHT

Sta. 7+50 Remove existing signs and erect new signs on existing beams D-4A 11' x 2' Wapakoneta 2 Uniopolis 4 Waynesfield 11 M-2-24 24"x18" M-2-30-2 30"x30" 67 D-4B 11' x 4'

SIGNING DETAIL I.R. 75 & NATIONAL ROAD INTERCHANGE

FHWA REGION	STATE	PROJECT	
5	OHIO		

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AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00

0 50 100 200

FOR ADDITIONAL SIGNING AND PAV'T. MARKING DETAILS AT I.R.–75 / NATIONAL ROAD INTERCHANGE SEE SHEET NO.'S 176, 177 AND 186

N

Sta. 688+91 I.R.–75 =
Sta. 0+00 Ramp A

685 690 695 700 705 N 00°–55'–00" E

4" White Edge Line
4" Yellow Edge Line
RAMP A
RAMP B
RAMP C
RAMP D
4" White Edge Lines
4" Yellow Edge Lines
24" White Stop Line
8" Channelizing Line

℄ NATIONAL ROAD

Sta. 693+00

Sta. 697+16 (75) =
Sta. 0+00 Ramp C

Sta. 15+15 Ramp C =
Sta. 13+49 National Rd.

Sta. 0+20 I.R.–75 =
Sta. 11+71 Ramp B

Sta. 11+90 Ramp D =
Std:–707+84 IR–75

Auglaize County Sta. 708+84.08 IR–75=
Allen County Sta. 0+00 IR–75

169 JCT M–5–24–2 24"x24" Sta. 5+20 Remove existing sign and support; erect new sign and support

168 STOP R–1–36 36"x36" Sta. 4+80 Remove existing sign and support; erect new sign and support

171 ONLY R–31B–36 36"x30" Sta. 6+30 Remove existing sign and support; erect new sign and support

S.R.–25–A

Sta. 7+20 Remove existing sign and support; erect new sign and support

174 INTERSTATE 75 SOUTH Dayton Sta. 7+90 GH–1 Do Not Disturb

170 SPEED LIMIT 45 R–10–24" 24" x 30" Sta. 6+10 Remove existing sign and support; erect new sign and support

Telephone Service Co.

Remove existing signs and erect new signs on existing beam

173 Dayton 64 / Toledo 84 D–4B 11"x4" Sta. 7+20

IM–29–21 21"x15"

155 MAINTENANCE YARD ENTRANCE R–3–36 36"x36"

175 NORTH 75 SOUTH M–52A Sta. 8+45 Do Not Distrb

M–5–24–2 24"x24" 75 INTERSTATE

Sta. 8+70 Remove existing sign and support; erect new sign and supports

160 DO NOT ENTER R–5B–36 36"x36"

STOP R–1–48 48"x48" Sta. 0+45 Remove existing signs and supports; erect new signs and supports

156 National Rd Cridersville 1 D–4B 11"x4" Sta. 3+50 Remove existing sign and supports

WRONG WAY R–41A–36 36"x24" Remove existing sign mount new sign and support. Remove existing sign back of beam

157 National Rd Cridersville 1 D–4B 11"x4" Sta. 2+15 Erect new sign and supports

158 WRONG WAY R–41A–36 36"x24" Sta. 2+15 Remove existing sign and support; erect new sign and supports

159 DO NOT ENTER ONE WAY R–4B–36 Sta. 0+70 Remove existing signs and supports; erect new signs and supports

R–43R–36 R–43L–36

4" White Edge Line

176 THROUGH TRAFFIC KEEP RIGHT R–36R–24 24"x30" Sta. 14+70 Remove existing sign and support; erect new sign and support

177 W–49R–30 30"x30" Sta. 15+48 Remove existing sign and support; erect new sign and support

163 DO NOT ENTER R–41B–36 36"x36" Sta. 14+50 Remove existing signs and support; erect new sign and support

161 WRONG WAY R–41A–36 36"x24" Sta. 7+00 Remove existing signs and supports erect new signs and supports

162

178 SOUTH 75 NORTH M–52A Sta. 16+60 Do Not Disturb

16+72 24" Stop Line

Sta. 17+10 Do Not Disturb CH–1

179 TOLEDO NORTH 75

164 ONE WAY DO NOT ENTER STOP ONE WAY R–41B–36 R–43L–36 R–1–48 48"x48" Sta. 0+30 Remove existing signs and supports; erect new signs and supports

165 National Rd Cridersville 1 D–4B 11"x4" Sta. 1+35 Remove existing sign and erect new sign on existing beams

166 R–38R–24 Sta. 0+50 Remove existing sign and support; erect new sign and support

167 PROHIBITED PEDESTRIAN PAST THIS POINT R–15A–36 36" x 36" Sta. 0+70 Remove existing signs and support; erect new sign and support

A:AU75SD13 19920221

SIGNING DETAIL I.R. 75 & NATIONAL ROAD INTERCHANGE

FHWA REGION	STATE	PROJECT	
5	OHIO		

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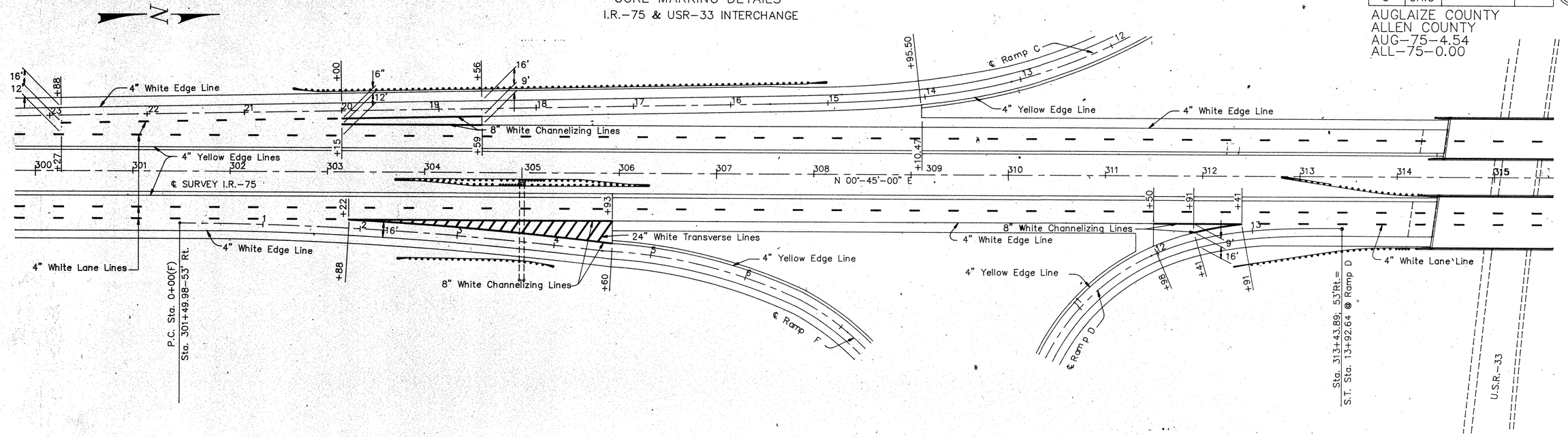
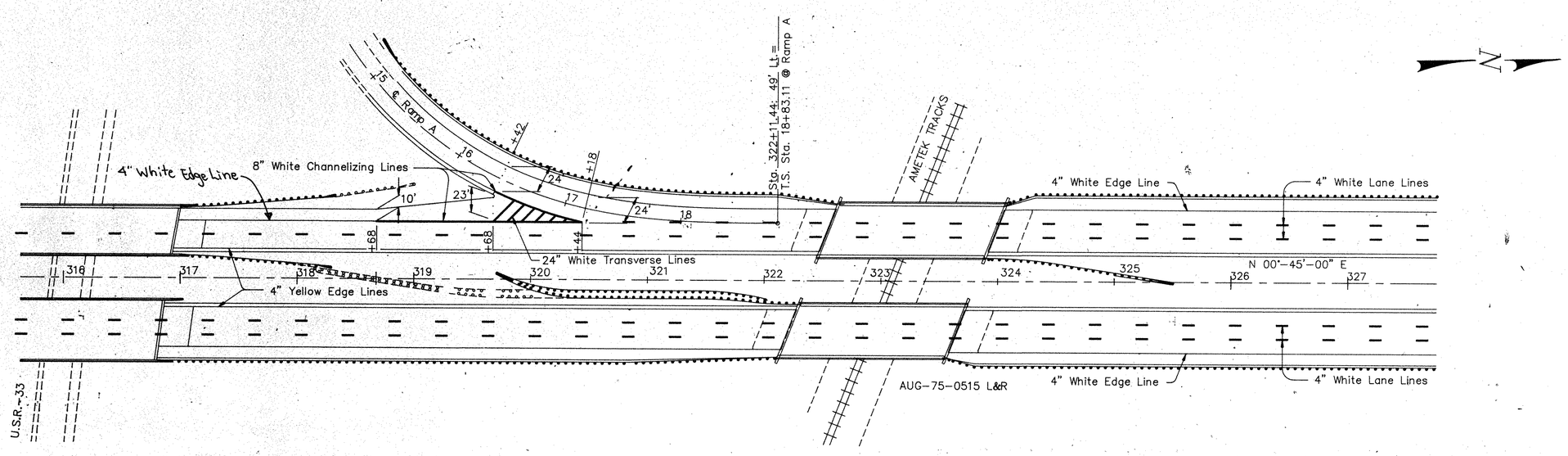
AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00

GORE MARKING DETAILS
I.R.–75 & USR–33 INTERCHANGE





A:AU75TC12 19920221

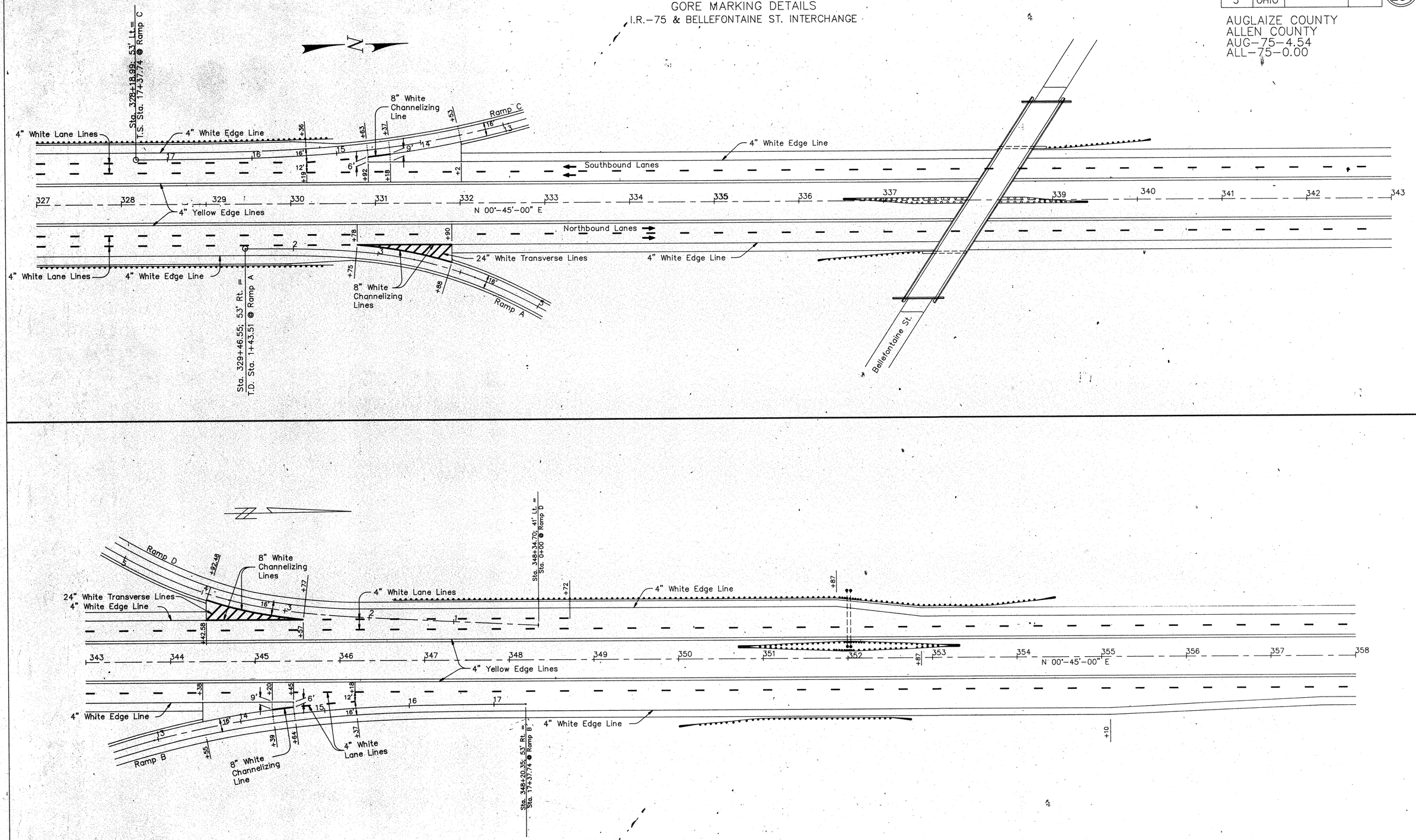
PAVEMENT MARKINGS STA. 300+00 TO STA. 327+00

FHWA REGION	STATE	PROJECT	
5	OHIO		

183
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00

GORE MARKING DETAILS
I.R.–75 & BELLEFONTAINE ST. INTERCHANGE



A:AU75TC13 19920221

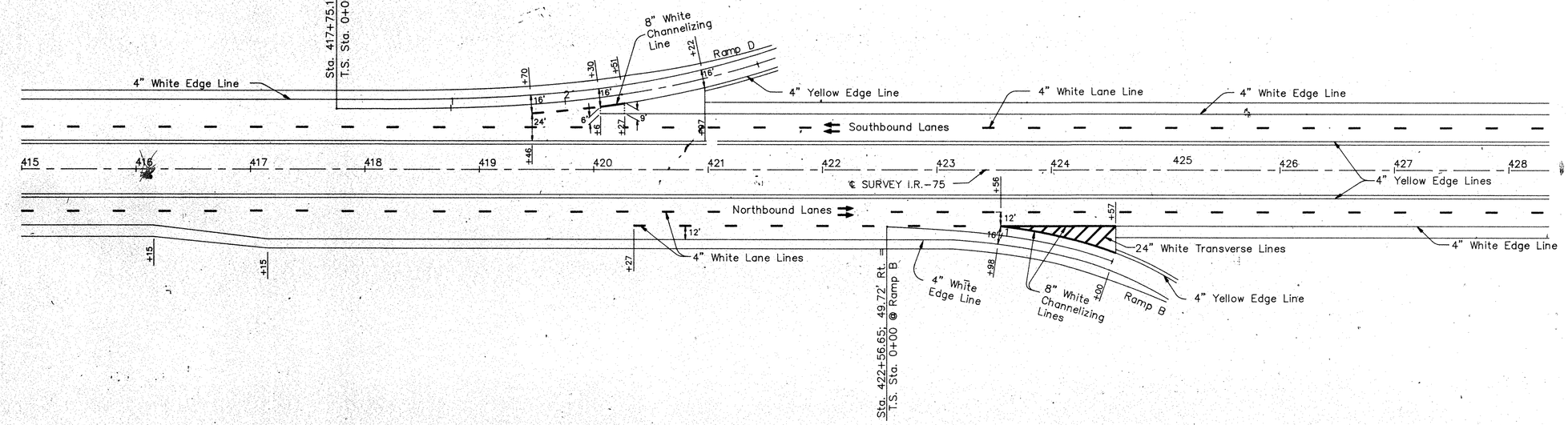
PAVEMENT MARKINGS I.R.–75 BELLEFONTAINE ST. INTERCHANGE AND RAMPS

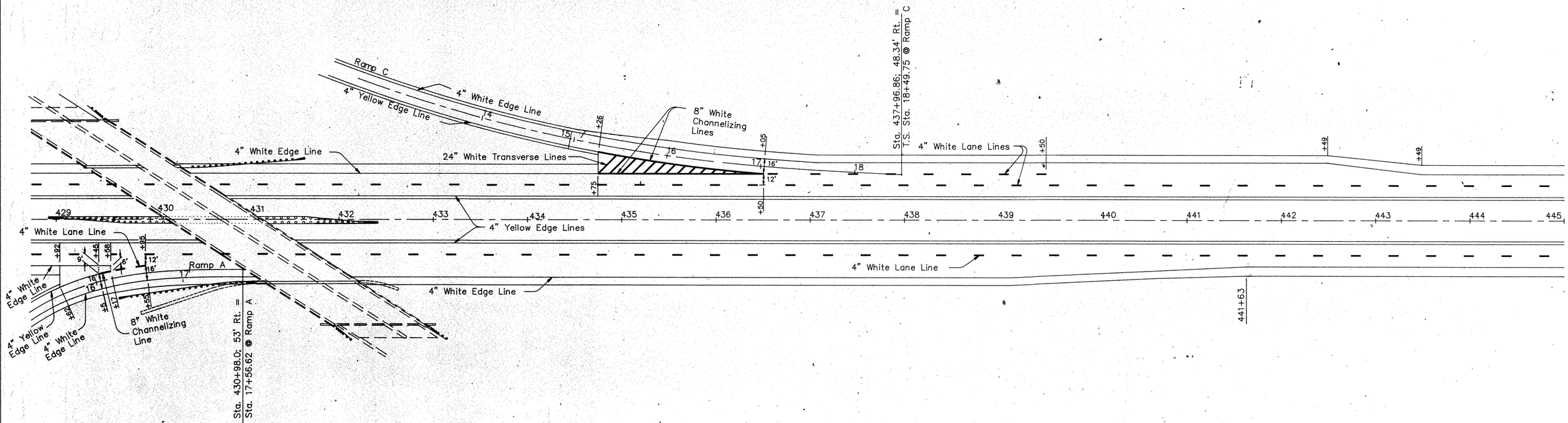
FHWA REGION	STATE	PROJECT	
5	OHIO		

184
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00

GORE MARKING DETAILS
I.R.–75 & SR–67 INTERCHANGE





AU75TC14 19920221

PAVEMENT MARKING I.R.–75 & S.R.–67 INTERCHANGE AND RAMPS

FHWA REGION	STATE	PROJECT	
5	OHIO		

185
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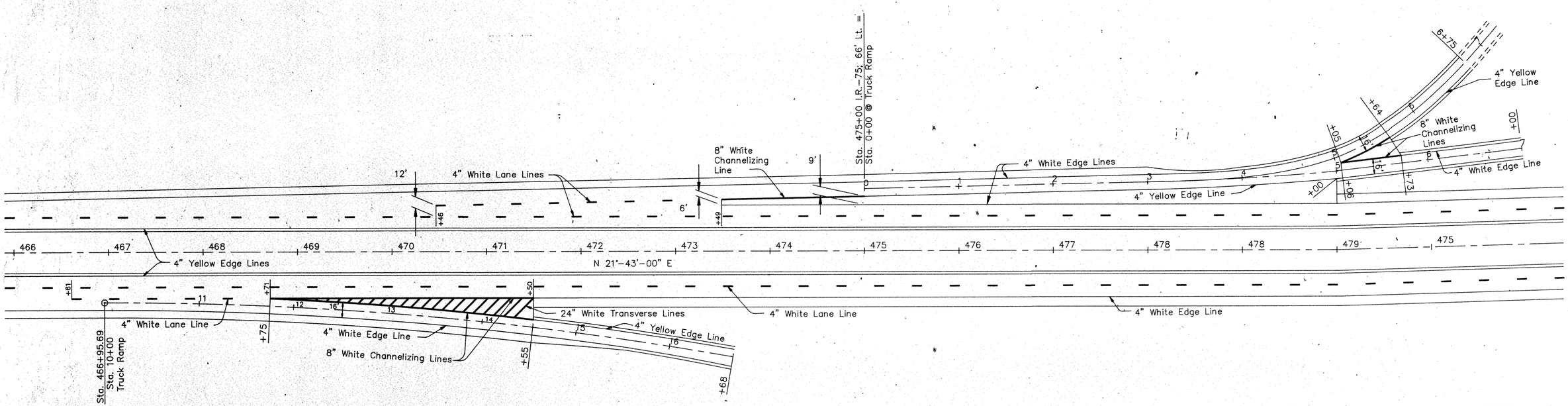
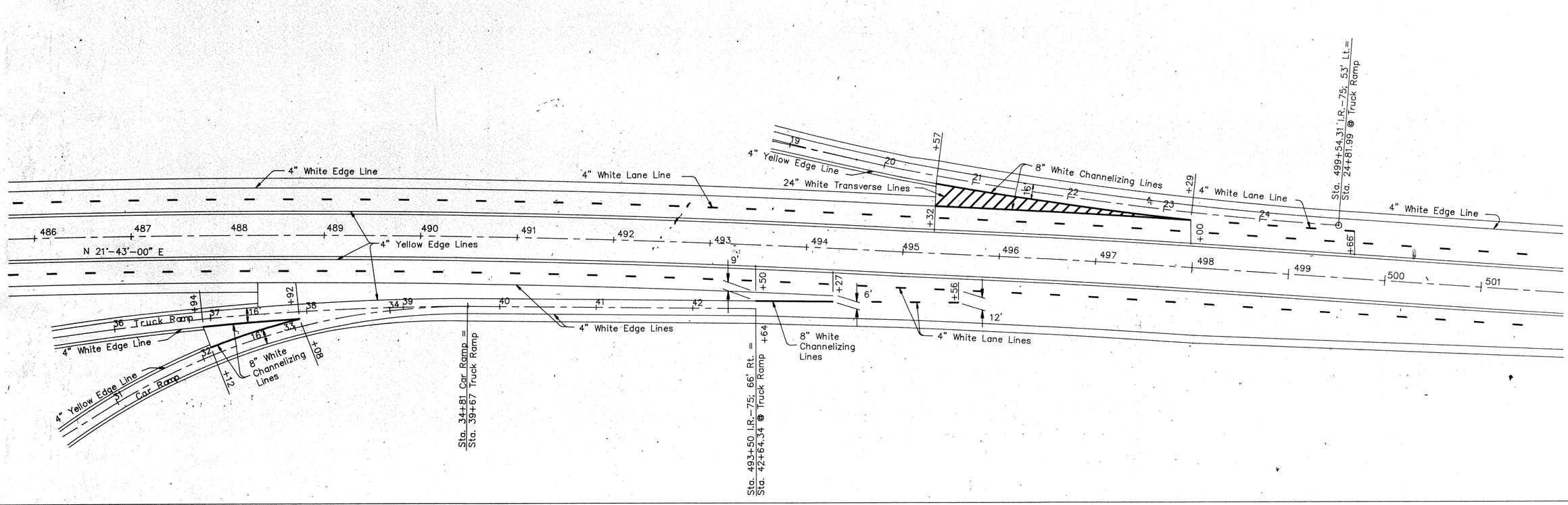
AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00

GORE MARKING DETAILS
I.R.–75 & REST AREA'S





A:AU75TC15 19920221

PAVEMENT MARKINGS I.R.–75 REST AREA'S RAMPS

GORE MARKING DETAILS
I.R.–75 & NATIONAL ROAD INTERCHANGE

FHWA REGION	STATE	PROJECT	
5	OHIO		

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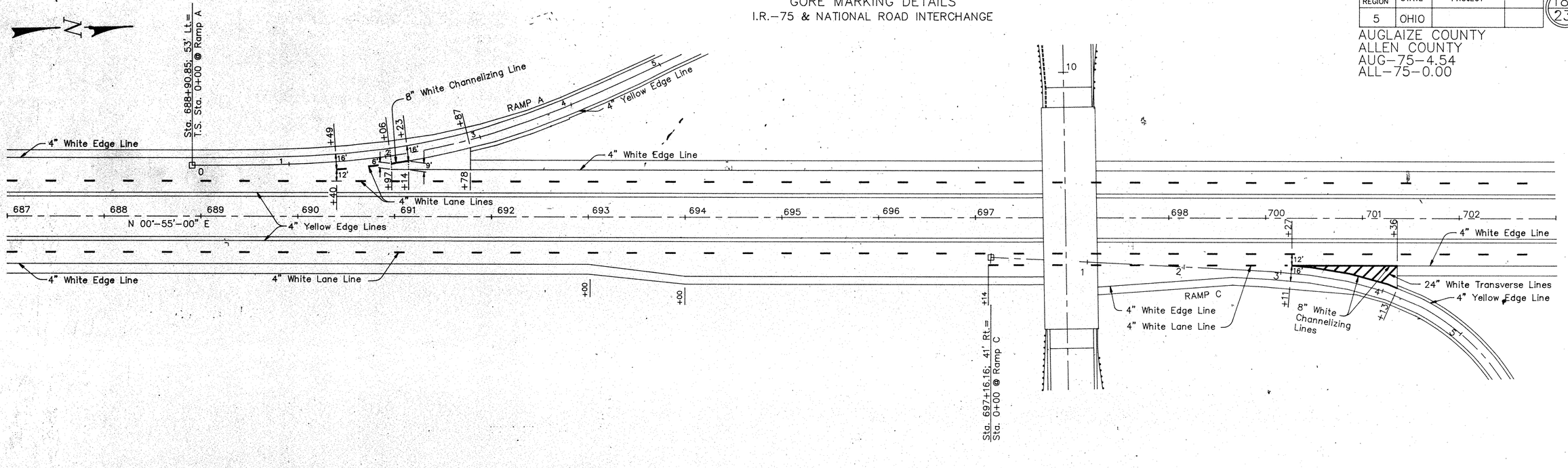
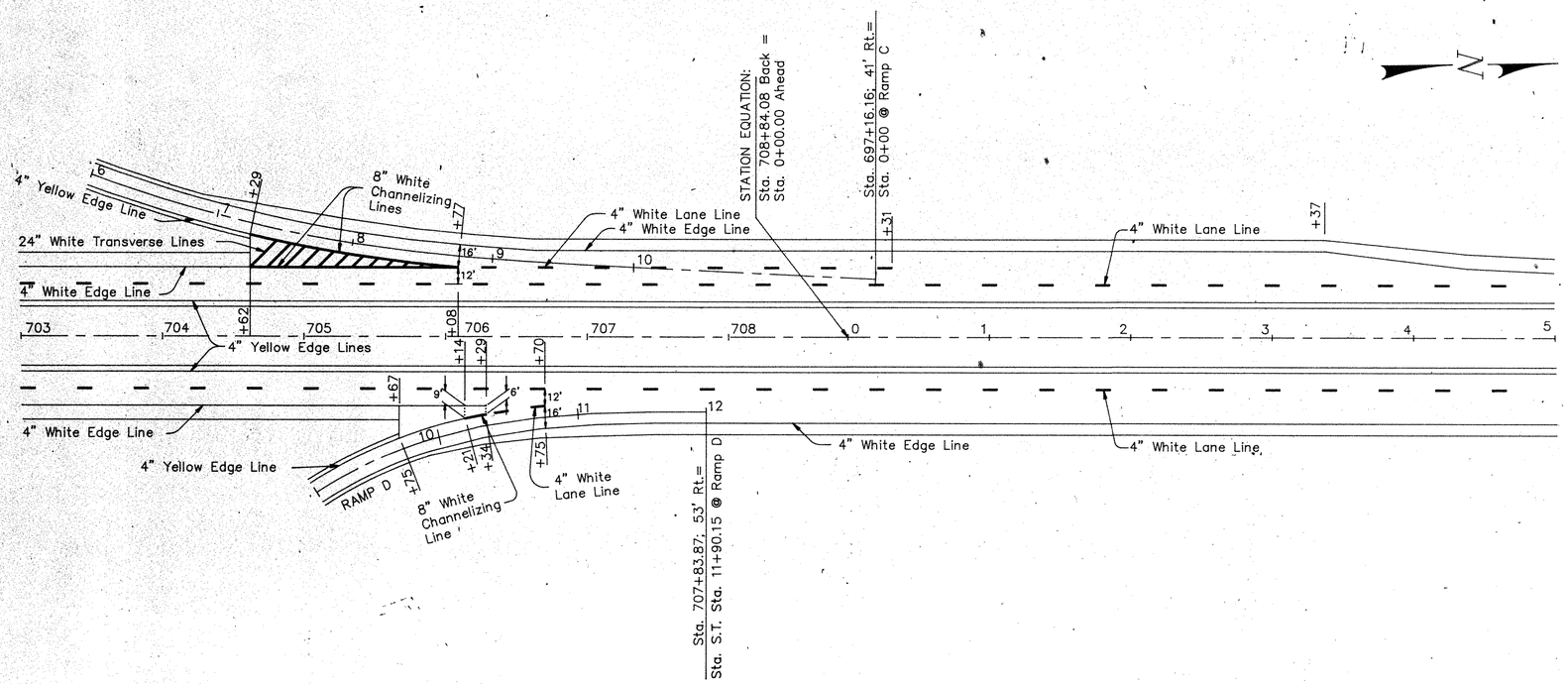
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00





FHWA REGION	STATE	PROJECT	
5	OHIO		

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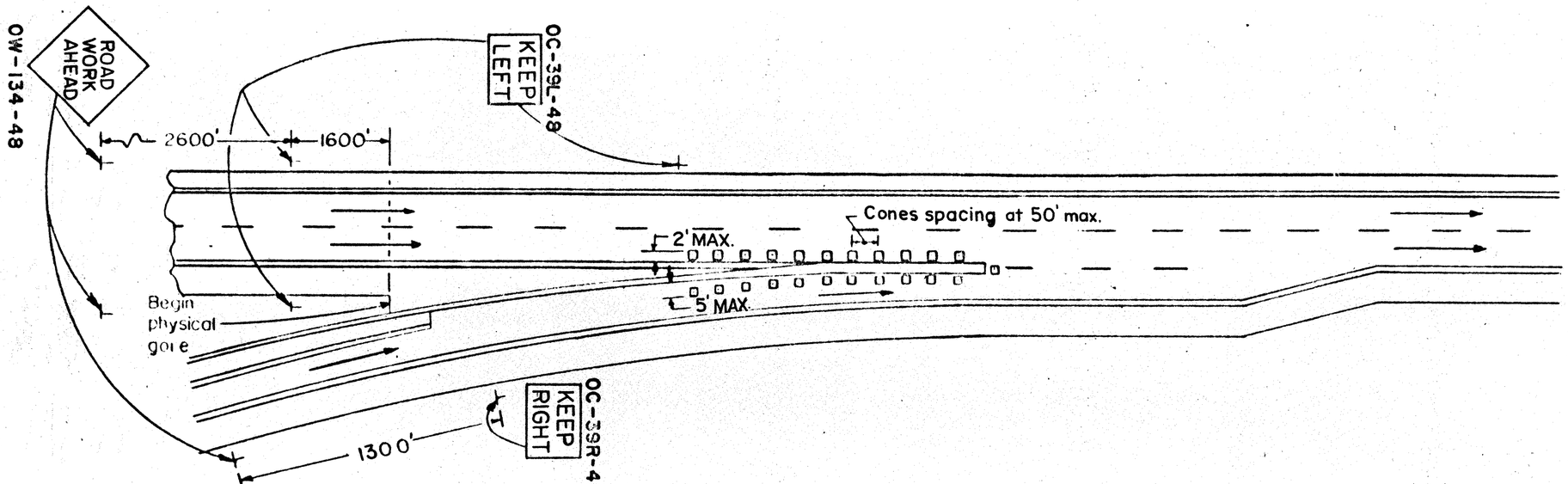
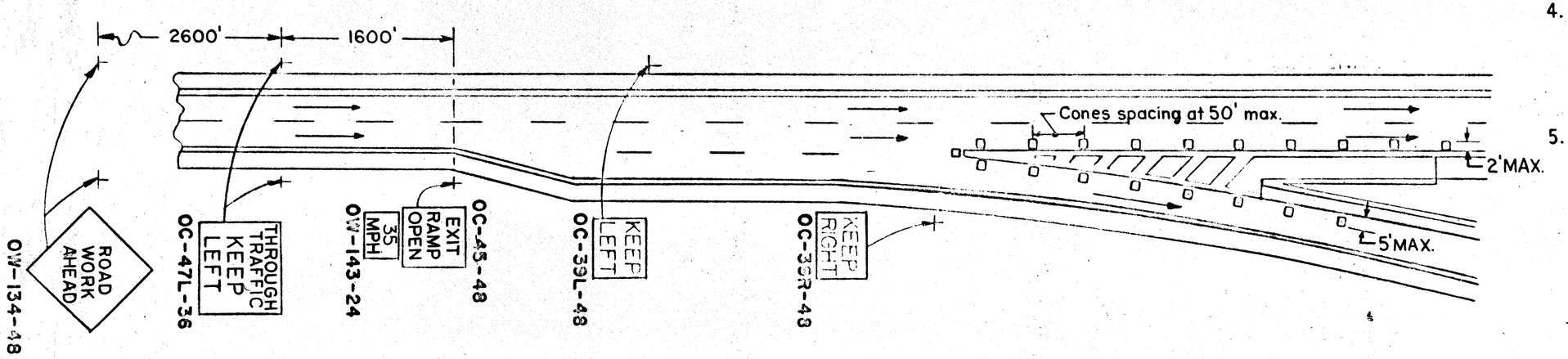
227

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

ENTRANCE GORE TRAFFIC CONTROL



EXIT GORE TRAFFIC CONTROL



GENERAL NOTES

1. WHERE THE ONLY WORK IN THE GORE AREA CONSISTS OF APPLICATION OF EDGELINE MARKINGS WITH FAST DRY PAVEMENT MARKING MATERIALS, THE TRAFFIC CONTROL FOR "LONGLINE PAVEMENT MARKING OPERATIONS" SHOULD BE EMPLOYED. **SEE SHEET ___**.
2. WHERE THE WORK IN THE GORE AREA REQUIRES MORE POSITIVE TRAFFIC CONTROL OR OVERNIGHT WORK AREA PROTECTION, THE TRAFFIC CONTROL FOR "LANE CLOSURE AT THE ENTRANCE RAMP" OR "LANE CLOSURE AT EXIT GORE" SHOULD BE EMPLOYED. **SEE SHEET ___**.
3. THE SPACING BETWEEN SIGNS SHOWN ON THIS DETAIL MAY BE ADJUSTED (INCREASED OR DECREASED) WITH THE APPROVAL OF THE ENGINEER TO POSITION THEM NO CLOSER THAN 200 FEET TO EXISTING **SIGNS** WHICH MUST REMAIN IN USE.
4. AT **AN** ISOLATED ENTRANCE GORE AREA, A FLASHING OR SEQUENCING ARROW PANEL CONFORMING TO REQUIREMENTS IN SECTION 7G-8 OF THE OMUTCD MAY BE SUBSTITUTED FOR THE ADVANCE OC-39-48 SIGNS.
5. AT AN INTERCHANGE WHERE BOTH EXITS AND ENTRANCES ARE MARKED WITH TRAFFIC CONTROL IN PLACE AT THE SAME TIME, THE OW-134-48 SIGN ON THE ENTRANCE RAMP IS NOT REQUIRED.

OHIO DEPARTMENT OF TRANSPORTATION

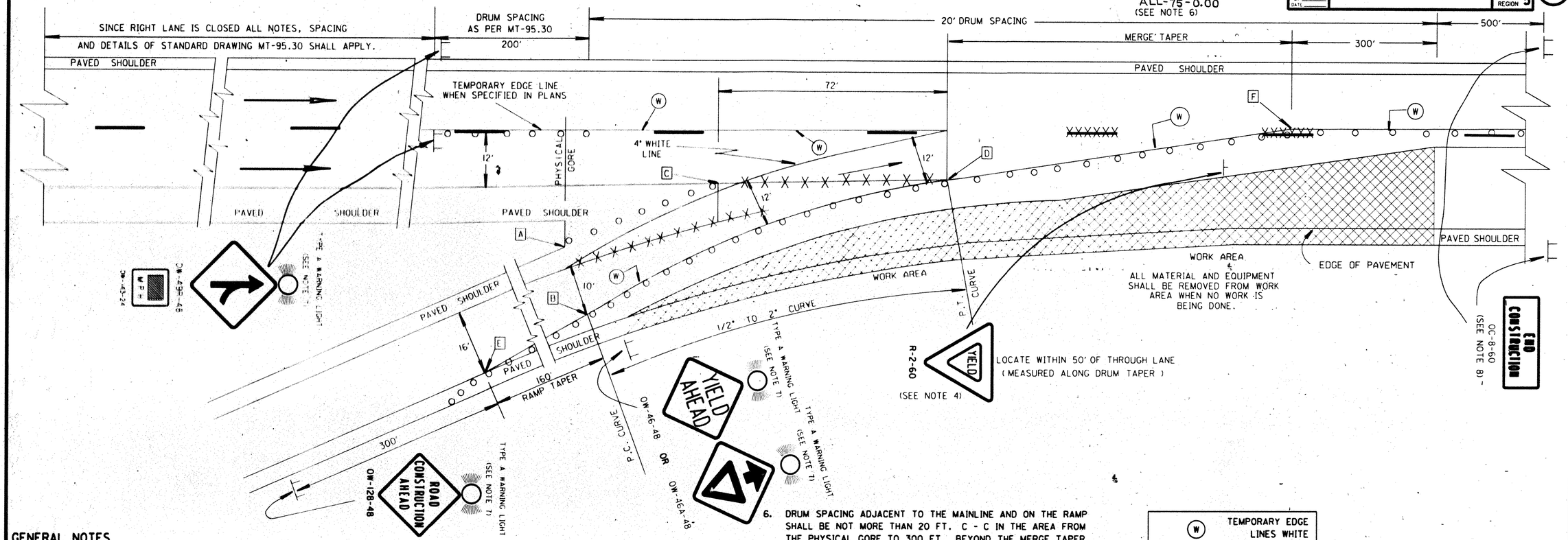
TRAFFIC CONTROL FOR WORK IN GORE AREAS	DATE 1/81

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00
(SEE NOTE 6)

CALC BY: DATE:
CHKD BY: DATE:

OHIO FHWA REGION 5

189 227



GENERAL NOTES

1. THIS WORK AREA TRAFFIC CONTROL APPLICATION SHALL BE EMPLOYED WHEN: (1) THE LATERAL CLEARANCE BETWEEN CHANNELIZING DEVICES AT THE RIGHT EDGE OF THE WORK AREA AND THE EDGE OF PAVEMENT IS LESS THAN 10 FT. (12 FT. IF THE SHOULDER PAVEMENT IS USED) AS SHOWN ON DRAWING MT-98.15, AND (2) THE REQUIRED RAMP TAPERS AND CURVES CAN BE PROVIDED AS SHOWN. IN THE EVENT THE WORK ZONE CONDITION WOULD PERMIT THE USE OF EITHER MT-98.15 OR MT-98.16, MT-98.15 SHALL BE USED. THIS TRAFFIC CONTROL MEASURE SHALL NOT BE PLACED IN EFFECT UNTIL IMMEDIATELY BEFORE THE CONTRACTOR IS FULLY PREPARED TO PERFORM THE WORK ON THE RAMP OR LANE ADJACENT TO IT. ONCE THIS MEASURE IS PLACED INTO EFFECT, THE CONTRACTOR SHALL EXPEDITIOUSLY PURSUE THE WORK (WORKING CONTINUOUSLY WITH FULL CREW IN THE RAMP AREA ON ALL NORMAL WORKING DAYS) UNTIL IT IS COMPLETED AND SHALL IMMEDIATELY OPEN THE AREA TO NORMAL TRAFFIC OR, AS A MINIMUM, REVERT TO THE METHODS SHOWN ON MT-98.15. IT IS THE INTENT THAT THE LONGEST MERGING TAPER LENGTH POSSIBLE SHALL BE CHOSEN, COMMENSURATE WITH THE REQUIREMENTS OF CONSTRUCTION.

2. THE RAMP TAPER SHALL DESIRABLY BE LOCATED TO PROVIDE A 10' MINIMUM PATH BETWEEN DRUMS AND THE PAVED SHOULDER IN THE GORE. THE RAMP TRAFFIC MAY BE PLACED ON THE PAVED GORE AS SHOWN ABOVE ONLY IF (1) THE TRAFFIC WILL USE THE PAVED SHOULDER PAVEMENT LESS THAN ONE DAY AND THE SHOULDER PAVEMENT IS IN GOOD CONDITION AND IS LEVEL AND SMOOTH OR (2) IF THE SHOULDER PAVEMENT IS ADEQUATELY STRENGTHENED, LEVELED AND SMOOTHED TO CARRY THE ANTICIPATED LOAD. A MINIMUM OF 3 DRUMS SHALL BE USED IN THE RAMP SHOULDER TAPER.

3. WHEN THE RAMP IS NOT LONG ENOUGH TO ALLOW PLACEMENT AS SPECIFIED ABOVE, THE SIGNS MAY BE SPACED PROPORTIONATELY WITHIN THE SPACE AVAILABLE AS DETERMINED BY THE ENGINEER (A 200 FOOT MINIMUM SPACING MUST BE MAINTAINED).

4. IT WILL BE NECESSARY TO MOVE THE LOCATION OF ANY EXISTING YIELD CONDITION. IN THESE CASES, THE PERMANENT R-2 SIGN INSTALLATION SHALL BE COVERED AND THE TEMPORARY INSTALLATION SHALL BE MOUNTED APPROPRIATELY. IF THE REQUIRED DISTANCES (RAMP TAPER, CURVE AND MERGE TAPER) CANNOT BE OBTAINED, THE ENGINEER MAY APPROVE SLIGHTLY LOWER VALUES FOR A SHORT TIME, IN WHICH CASE THE YIELD SIGN SHALL BE REMOVED AND A 36" STOP SIGN PLACED APPROPRIATELY TO BE VISIBLE TO RAMP TRAFFIC BUT NOT BE OBTRUSIVE TO MAINLINE TRAFFIC.

5. IF THE CONSTRUCTION OPERATION REQUIRES THE LANE CLOSURE FOR MORE THAN ONE DAY THEN THE EXISTING CONFLICTING PAVEMENT MARKINGS AND REFLECTORS FROM THE RAISED PAVEMENT MARKERS (RPM'S) SHALL BE REMOVED AND THE APPROPRIATE COLOR TEMPORARY EDGE LINES SHALL BE APPLIED ALONG THE TAPER. TEMPORARY EDGE LINES WHICH WOULD CONFLICT WITH FINAL TRAFFIC LANES SHALL BE REMOVABLE (947.03 TYPE-C) TAPE UNLESS THE AREA WILL BE RESURFACED IN THE NEXT WORK PHASE. AFTER COMPLETION OF THE WORK, TEMPORARY MARKINGS SHALL BE REMOVED IN ACCORDANCE WITH 621.134 AND THE ORIGINAL MARKINGS AND RAISED PAVEMENT MARKER REFLECTORS SHALL BE RESTORED.

6. DRUM SPACING ADJACENT TO THE MAINLINE AND ON THE RAMP SHALL BE NOT MORE THAN 20 FT. C - C IN THE AREA FROM THE PHYSICAL GORE TO 300 FT. BEYOND THE MERGE TAPER. CONES HAVING A MINIMUM HEIGHT OF 28 INCHES MAY BE SUBSTITUTED FOR DRUMS FOR DAYTIME LANE CLOSURES. PROVISIONS SHALL BE MADE TO SAFELY STABILIZE THE CONES TO PREVENT THEM FROM BLOWING OVER. IF THIS CANNOT BE ACHIEVED, DRUMS SHALL BE USED. TYPE C STEADY BURNING WARNING LIGHTS SHALL BE ERECTED ON EACH DRUM FOR NIGHT LANE CLOSURE.

7. TYPE A FLASHING WARNING LIGHTS ARE REQUIRED ON THE ROAD CONSTRUCTION AHEAD (OW-128-48), MERGE (OW-49R-48), AND THE YIELD AHEAD (OW-46-48) SIGNS WHENEVER A NIGHT LANE CLOSURE IS NECESSARY.

8. THE OC-8 SIGNS ARE ONLY REQUIRED FOR LANE CLOSURES OF MORE THAN ONE DAY AND MAY BE OMITTED IF THEY FALL WITHIN THE LIMITS OF A CONSTRUCTION PROJECT.

9. FROM THE END OF THE GORE AREA GRADED SHOULDER (POINT A), LOCATE THE PC OF THE CURVE BY MEASURING PERPENDICULAR TO THE RAMP CENTERLINE 10' OF RAMP PAVEMENT, NOT INCLUDING PAVED SHOULDER WIDTH (POINT B). FROM THE END OF THE GORE AREA PAVED SHOULDER (POINT C), LOCATE THE PT OF THE CURVE BY MEASURING 72' FROM POINT C ALONG THE EDGE OF PAVEMENT EXTENDED (POINT D).

10. PLACEMENT OF DRUMS SHALL BEGIN AT (POINT E) 160' UPSTREAM FROM THE PREVIOUSLY LOCATED PC (POINT B) AND AT THE RIGHT EDGE OF RAMP PAVEMENT. FROM THIS POINT A DRUM TAPER SHALL BE PLACED TO THE PC (POINT B) AND THEN ALONG A CURVE AS SHOWN TO THE PT (POINT D) WHERE A 48:1 (MIN.) MERGE TAPER SHALL MEET MAINLINE TRAFFIC CONTROL (POINT F).

(W) TEMPORARY EDGE LINES WHITE
[A] LAYOUT POINTS
XXXXXXXXX MARKINGS REMOVED

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH 614 AND OTHER APPLICABLE PORTIONS OF THE C & M SPECIFICATIONS AS WELL AS IN ACCORDANCE WITH PART 7 OF THE OMUTCD. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS TO PROVIDE THIS METHOD OF TRAFFIC CONTROL SHALL BE INCLUDED IN THE LUMP SUM BID FOR 614 MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

REVISED BY:	DATE:
209816	DATE 05/07/90
LANE CLOSURE AT ENTRANCE RAMP PLAN B	

WCC

STRUCTURE DETAIL STA. 498+24

AUG-75-0849

FHWA REGION	STATE	PROJECT	
5	OHIO		

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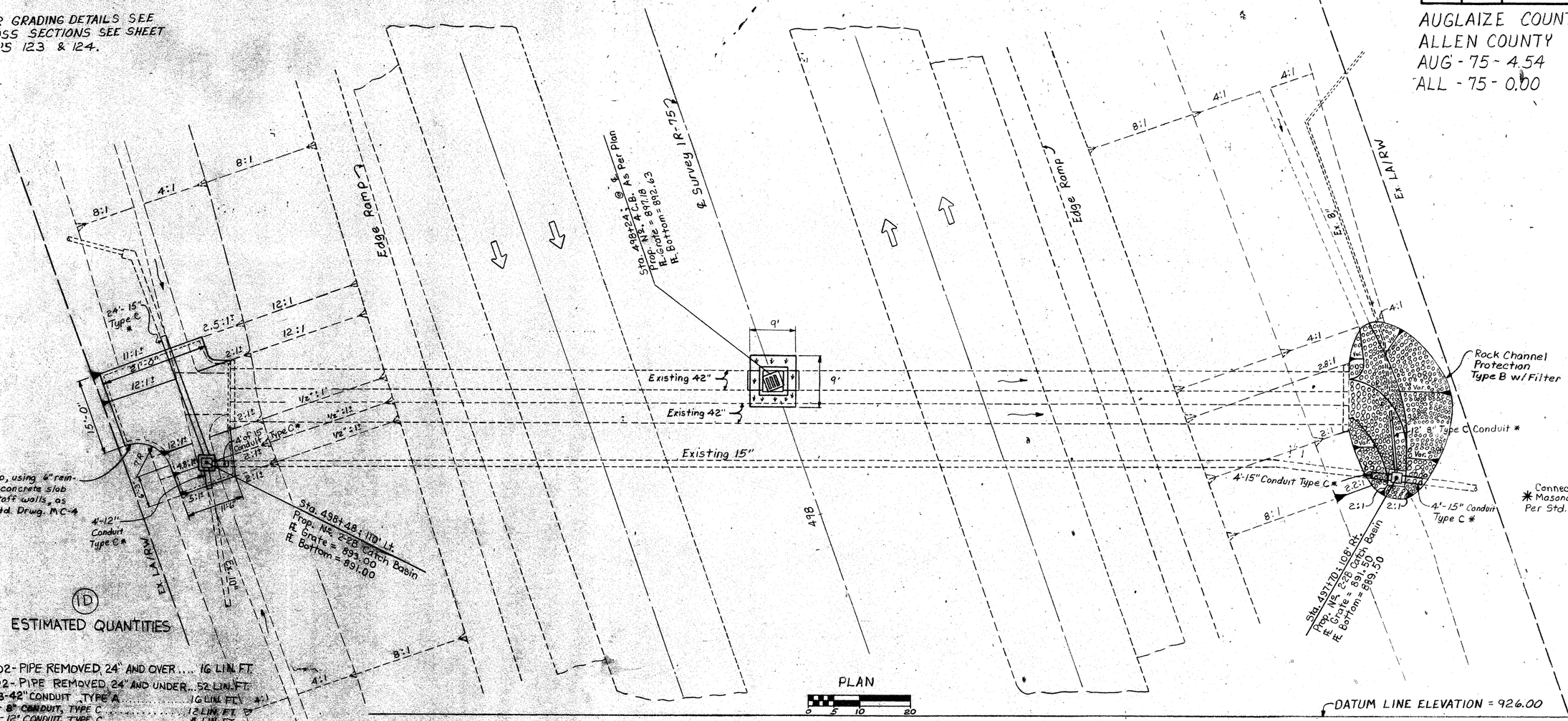
AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

FOR GRADING DETAILS SEE CROSS SECTIONS SEE SHEET NO. 'S 123 & 124.



(1D)

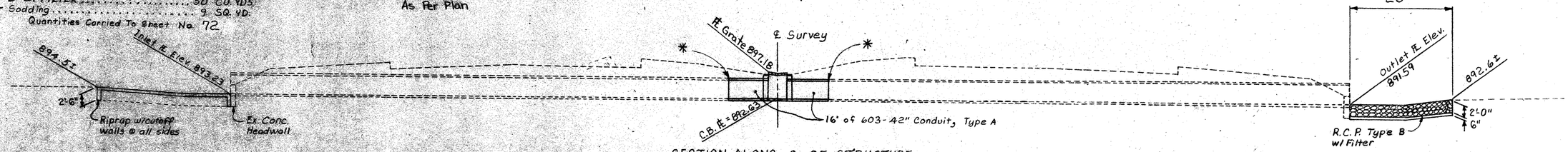
ESTIMATED QUANTITIES

ITEM 202- PIPE REMOVED 24" AND OVER	16 LIN. FT.
ITEM 202- PIPE REMOVED 24" AND UNDER	52 LIN. FT.
ITEM 603-42" CONDUIT, TYPE A	16 LIN. FT.
ITEM 603- 8" CONDUIT, TYPE C	12 LIN. FT.
ITEM 603- 12" CONDUIT, TYPE C	4 LIN. FT.
ITEM 603- 15" CONDUIT, TYPE C	36 LIN. FT.
ITEM 601- RIPRAP, USING 6" REINFORCED CONCRETE SLAB	57.8 SQ. YDS.
ITEM 601- ROCK CHANNEL PROTECTION TYPE B W/ FILTER	50 CU. YDS.
ITEM 660- Sodding	9 SQ. YD.

Quantities Carried To Sheet No. 72

ESTIMATED QUANTITIES CONT.

ITEM 202 Catch Basin Removed	3 Each
ITEM 604 No. 2-2B Catch Basin	2 Each
ITEM 604 Nº. 4, Catch Basin, As Per Plan	1 Each



SECTION ALONG ℄ OF STRUCTURE

NOTE: Proposed Nº. 4 catch basin, as per plan shall be constructed with internal dimensions of 5'-4" by 4'-0" instead of the internal dimensions shown on Std. Dwg. CB-4. Catch basin shall be constructed without concrete apron.

STRUCTURE STATION 645+00

STRUCTURE # AUG-75-1129

FHWA REGION	STATE	PROJECT	
5	OHIO		

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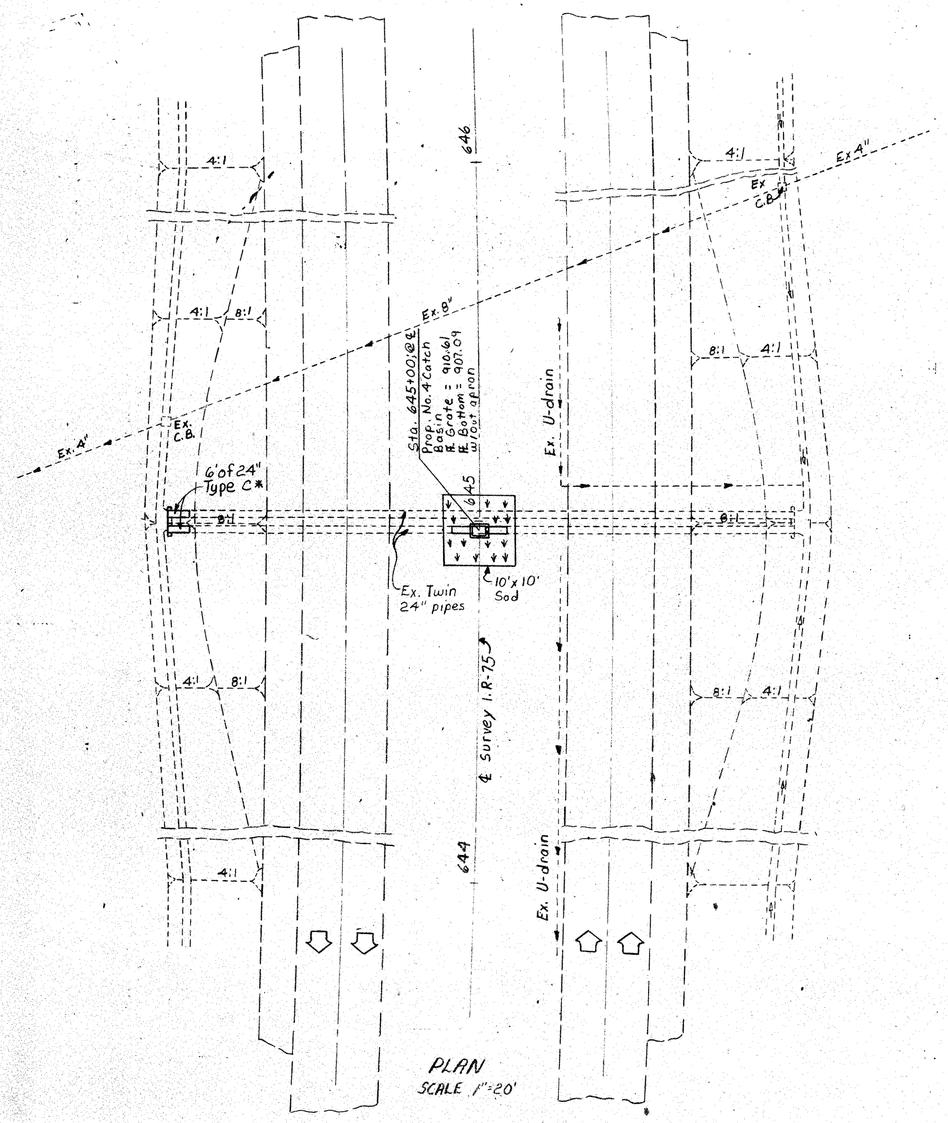
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

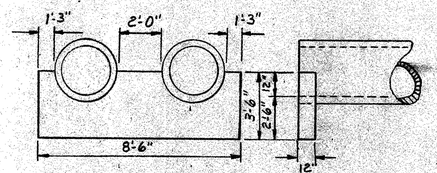


PLAN
SCALE 1"=20'

(2D)

ITEM	ESTIMATED QUANTITIES	
202	Pipe Removed; 24" And Under	24 Lin. Ft.
202	Portion of Structures Removed	Lump
202	Catch Basin Removed	1 Each
602	Concrete Masonary	1.00 Cu. Yd.
603	24" Conduit; Type C	12 Lin. Ft.
603	24" Conduit; Type A	12 Lin. Ft.
604	Catch Basin; No. 4	1 Each
660	Sodding	12 Sq. Yd

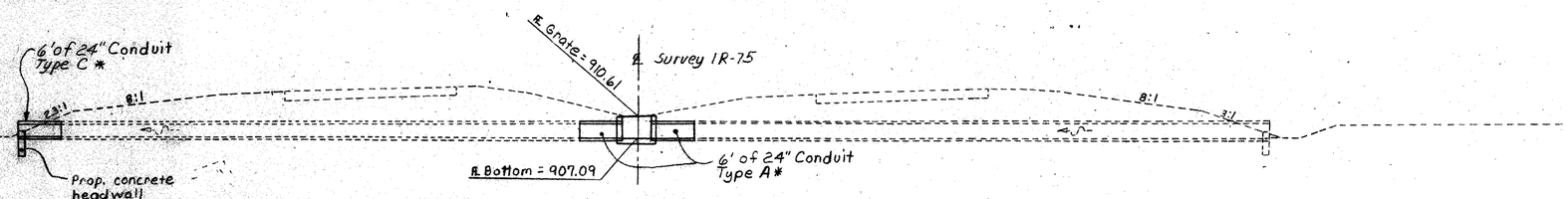
Quantities Carried To Sheet No. 74



CONCRETE HEADWALL DETAIL

* Connect pipes with masonary collar as per Std. Dwg. MC-4.

NOTE: Existing headwall to be removed under Item 202 Portions of Structures Removed



SECTION ALONG ℄ OF STRUCTURE
SCALE 1"=10'

STRUCTURE DETAILS STA. 645+00

FHWA REGION	STATE	PROJECT	
5	OHIO		

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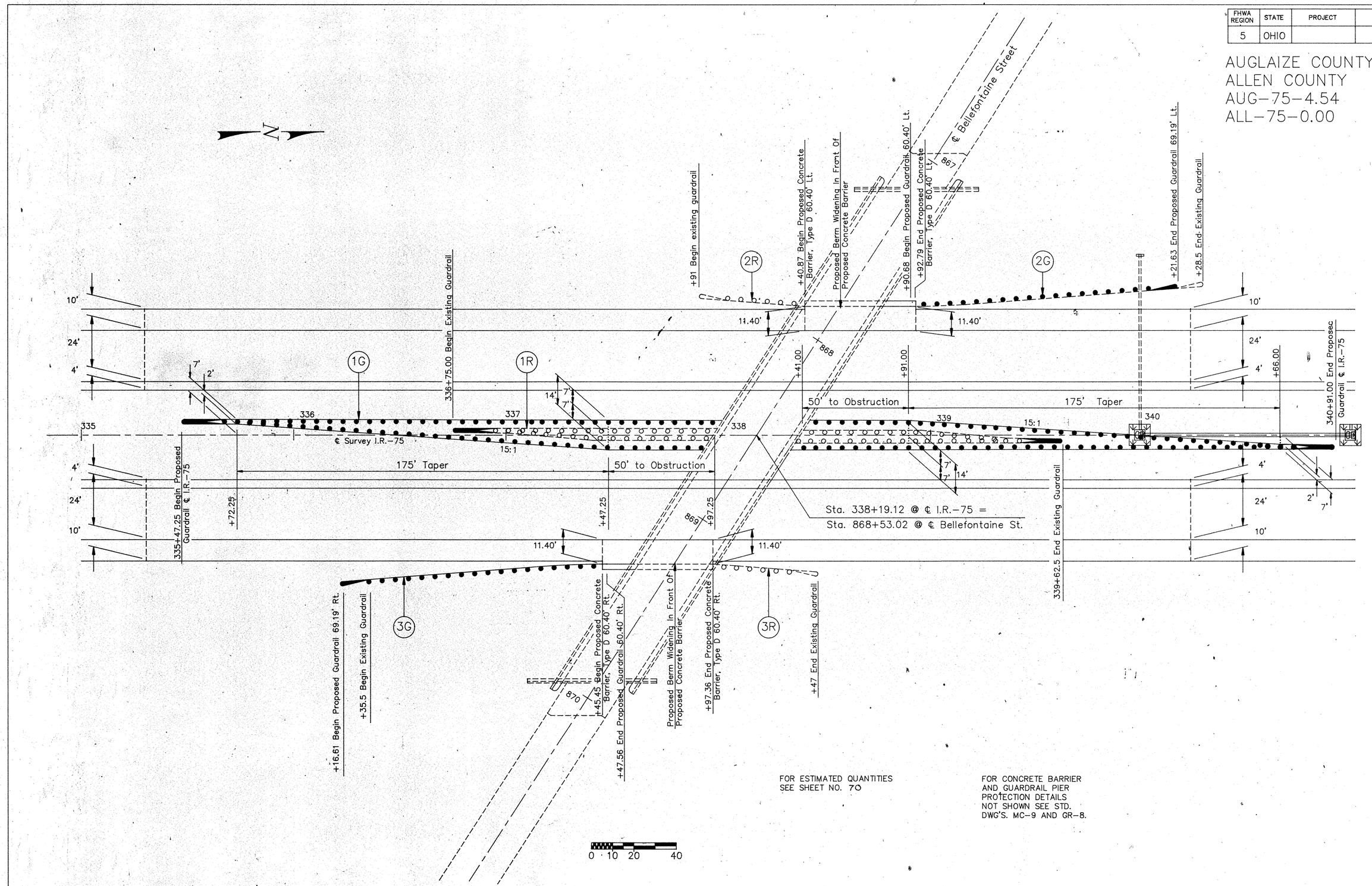
AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00



FOR ESTIMATED QUANTITIES
SEE SHEET NO. 70

FOR CONCRETE BARRIER
AND GUARDRAIL PIER
PROTECTION DETAILS
NOT SHOWN SEE STD.
DWG'S. MC–9 AND GR–8.

A:AU75BP1 19920127

BRIDGE PIER PROTECTION DETAILS BRIDGE NO. AUG–75–0545

FHWA REGION	STATE	PROJECT	
5	OHIO		

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AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00

N

+73 Begin Existing Guardrail
+23.27 Begin Proposed Concrete Barrier, Type D 57.19' Lt.
+63.42 Begin Proposed Guardrail 57.32' Lt.
+65.52 End Proposed Concrete Barrier, Type D 57.33' Lt.
+85.5 End Existing Guardrail
+94.33 End Proposed Guardrail 66.54' Lt.
C.R.–150
13
14
2R
2G
+02
+07
10'
8.2'
8.3'
24'
4'
1R
1G
+98 Begin Existing Guardrail
2'
7'
14'
369
370
371
372
373
374
15:1
+53.21
+03.21
+78.21
50' to Obstruction
175' Taper
374+03.21 End Proposed Guardrail ℄ I.R.–75
368+71.96 Begin Proposed Guardrail ℄ I.R.–75
+96.96
+71.96
+21.96
Sta. 371+37.58 I.R.–75 =
Sta. 15+00 Middle Pike
+85.5 End Existing Guardrail
+76
3G
3R
+80.83 Begin Proposed Guardrail 66.54' Rt.
+90.5 Begin Existing Guardrail
+09.64 Begin Proposed Concrete Barrier, Type D 57.33' Rt.
+11.74 End Proposed Guardrail 57.32' Rt.
+51.89 End Proposed Concrete Barrier, Type D 57.19' Rt.
+03 End Existing Guardrail
16
17
℄ Middle Pike
0 10 20 40

FOR ESTIMATED QUANTITIES
SEE SHEET NO. 33

FOR CONCRETE BARRIER
AND GUARDRAIL PIER
PROTECTION DETAILS
NOT SHOWN SEE STD.
DWG'S. MC–9 AND GR–8

A:AU75BP2 19920127

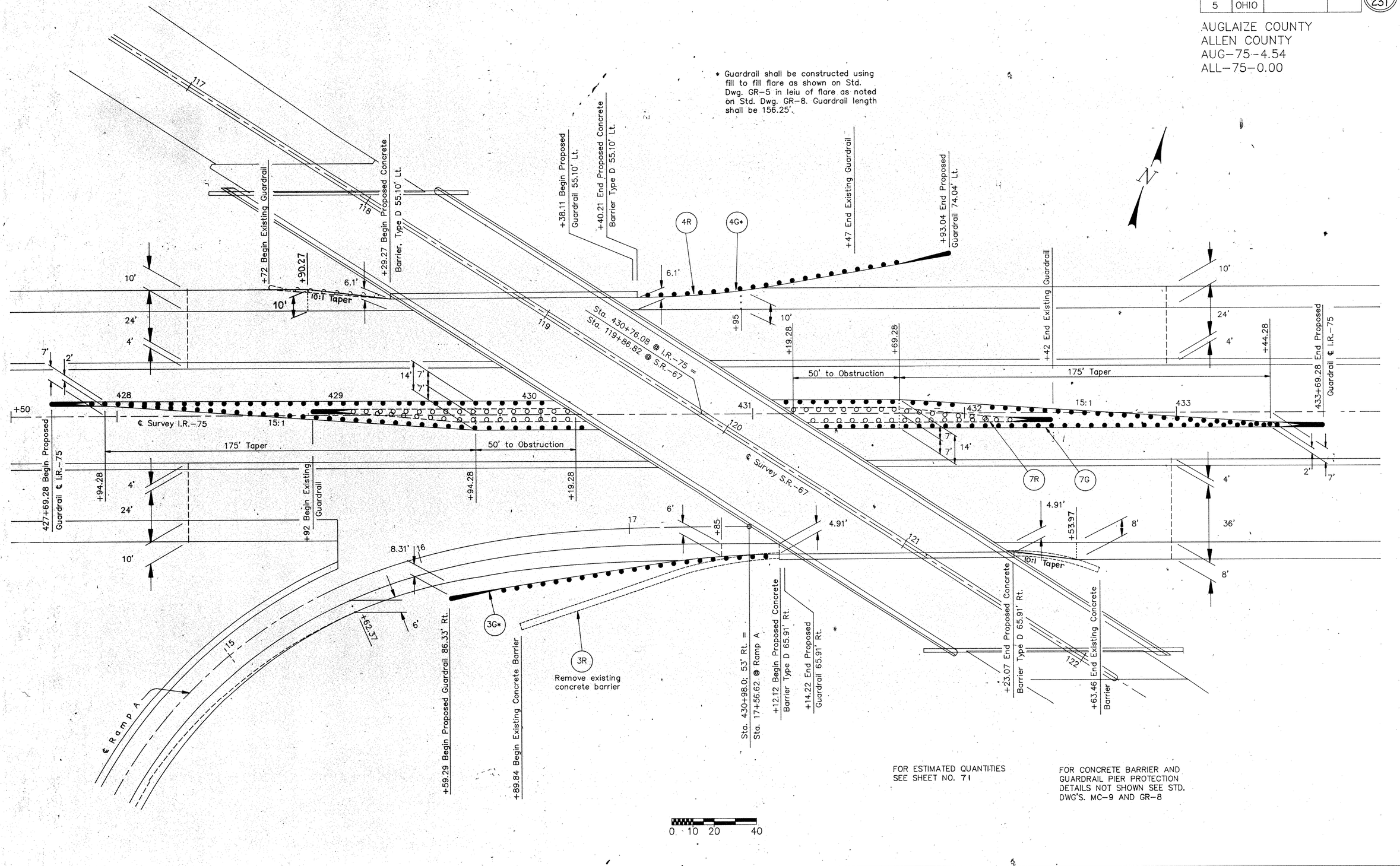
BRIDGE PIER PROTECTION DETAILS BRIDGE NO. AUG–75–0608

FHWA REGION	STATE	PROJECT	
5	OHIO		

194
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

* Guardrail shall be constructed using fill to fill flare as shown on Std. Dwg. GR-5 in leiu of flare as noted on Std. Dwg. GR-8. Guardrail length shall be 156.25'.



FOR ESTIMATED QUANTITIES SEE SHEET NO. 71

FOR CONCRETE BARRIER AND GUARDRAIL PIER PROTECTION DETAILS NOT SHOWN SEE STD. DWG'S. MC-9 AND GR-8

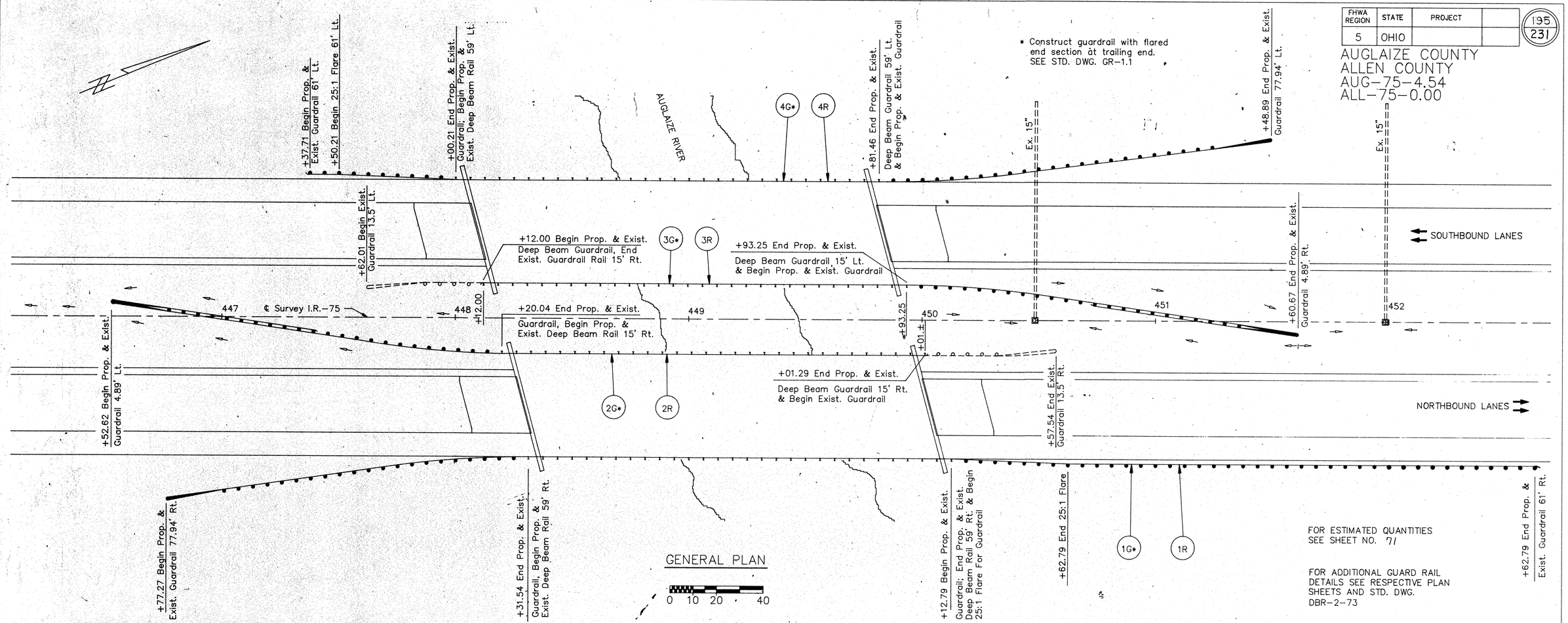
A:AU75BP3 19920124

BRIDGE PIER PROTECTION DETAILS BRIDGE NO. 0720

FHWA REGION	STATE	PROJECT	
5	OHIO		

135
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00



FOR ESTIMATED QUANTITIES SEE SHEET NO. 71

FOR ADDITIONAL GUARD RAIL DETAILS SEE RESPECTIVE PLAN SHEETS AND STD. DWG. DBR-2-73

GENERAL PLAN

0 10 20 40

ITEM 202 BRIDGE RAILING REMOVED, AS PER PLAN

This item of work shall consist of the removal and satisfactory disposal of all components of the existing bridge railing except for the anchor bolts in the bridge deck, at the locations shown on the plans.

The Contractor shall perform removal operations with sufficient care to prevent damage to the existing anchor bolts and bridge deck. Any damage caused by negligence or use of improper removal methods will be repaired to the satisfaction of the Engineer at the Contractors expense.

The method of measurement shall be the actual length of railing removed between the first posts off the ends of the bridge including tubular backup and handrails where they exist.

Payment will be made at the contract price for Item 202 Bridge Railing Removed, As Per Plan and shall be full compensation for all labor and equipment necessary to complete this item of work as described.

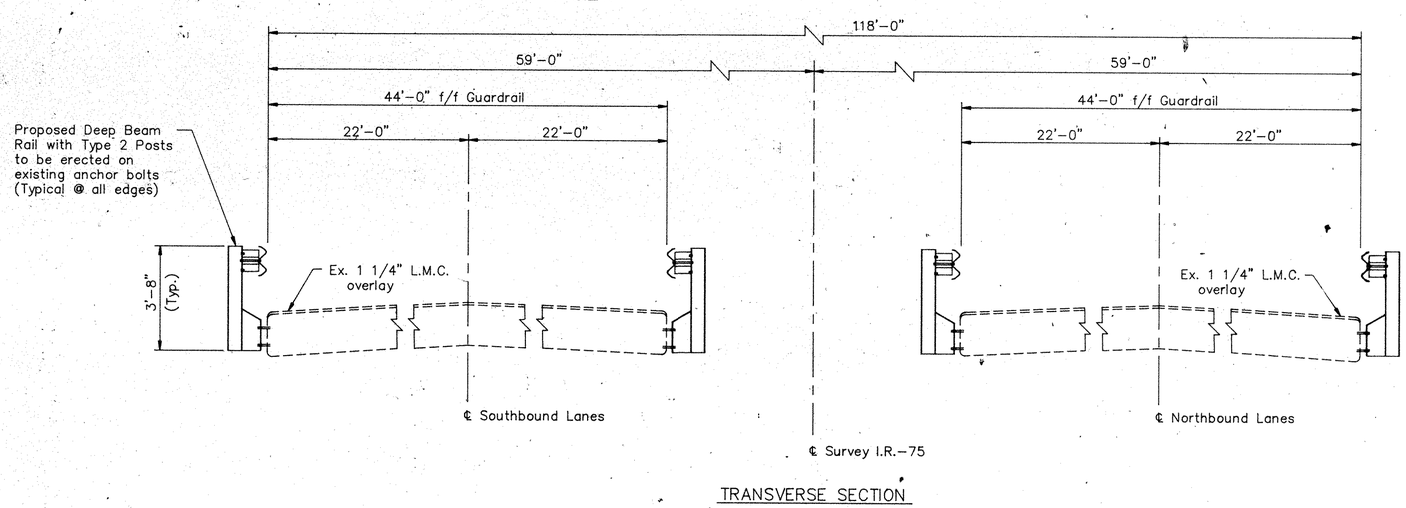
ITEM 517 RAILING, DEEP BEAM RAIL WITH TUBULAR BACKUP AND TYPE 2 POSTS, AS PER PLAN

This item of work shall consist of furnishing and placing all materials, labor and equipment necessary to construct bridge railing at the locations shown on the plans according to plan details and notes, applicable Std. Constr. Dwgs. and provisions of C.M.S. 517.

Railing posts with spacer blocks shall be erected on the existing anchor bolts and shall be assembled with new hardware components at locations specified on the plans.

Steel tubing used for tubular backup shall meet the requirements of the stiffness test for tubing as specified in the proposal note.

The method of measurement and basis of payment shall be as per C.M.S. 517.06 and 517.07.



TRANSVERSE SECTION

A:AU75BR20 19910917

GUARDRAIL REPLACEMENT DETAIL BRIDGE NO. AUG-75-0754

FHWA REGION	STATE	PROJECT	
5	OHIO		

196
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00

N

+09 Begin Existing Guardrail
+61.22 Begin Proposed Concrete Barrier, Type D 59.58' Lt.
Proposed Berm Widening In Front Of Proposed Concrete Barrier
+04.45 Begin Proposed Guardrail 59.42' Lt.
+06.56 End Proposed Concrete Barrier, Type D 59.41' Lt.
+21.5 End Existing Guardrail
+35.40 End Proposed Guardrail 68.21' Lt.

3G 3R 1G 1R 2G 2R

10' 24' 4'
10.58' 10.41'
14' 7' 7'
+24.82 +74.82 +49.82
50' to Obstruction 175' Taper
15:1 2' 7'
510 511 512 513 514 515 516
℄ Survey I.R.–75
+66 Begin Existing Guardrail
515+74.82 End Proposed Guardrail ℄ I.R.–75
+510+43.57 Begin Proposed Guardrail ℄ I.R.–75
+68.57 +43.57 +93.57
Sta. 513+09.19 I.R.–75= Sta. 15+00 Hengstler Rd.
+53.5 End Existing Guardrail

+82.98 Begin Proposed Guardrail 68.21' Rt.
+00.00 Begin Existing Guardrail
+11.82 Begin Proposed Concrete Barrier, Type D 59.41' Rt.
+13.93 End Proposed Guardrail 59.42' Rt.
Proposed Berm Widening In Front Of Proposed Concrete Barrier
+57.16 End Proposed Concrete Barrier, Type D 59.58' Rt.
+12.5 End Existing Guardrail
℄ Hengstler Rd.

0 10 20 40

FOR ESTIMATED QUANTITIES SEE SHEET NO. 72

FOR CONCRETE BARRIER AND GUARDRAIL PIER PROTECTION DETAILS NOT SHOWN SEE STD. DWG'S. MC–9 AND GR–8

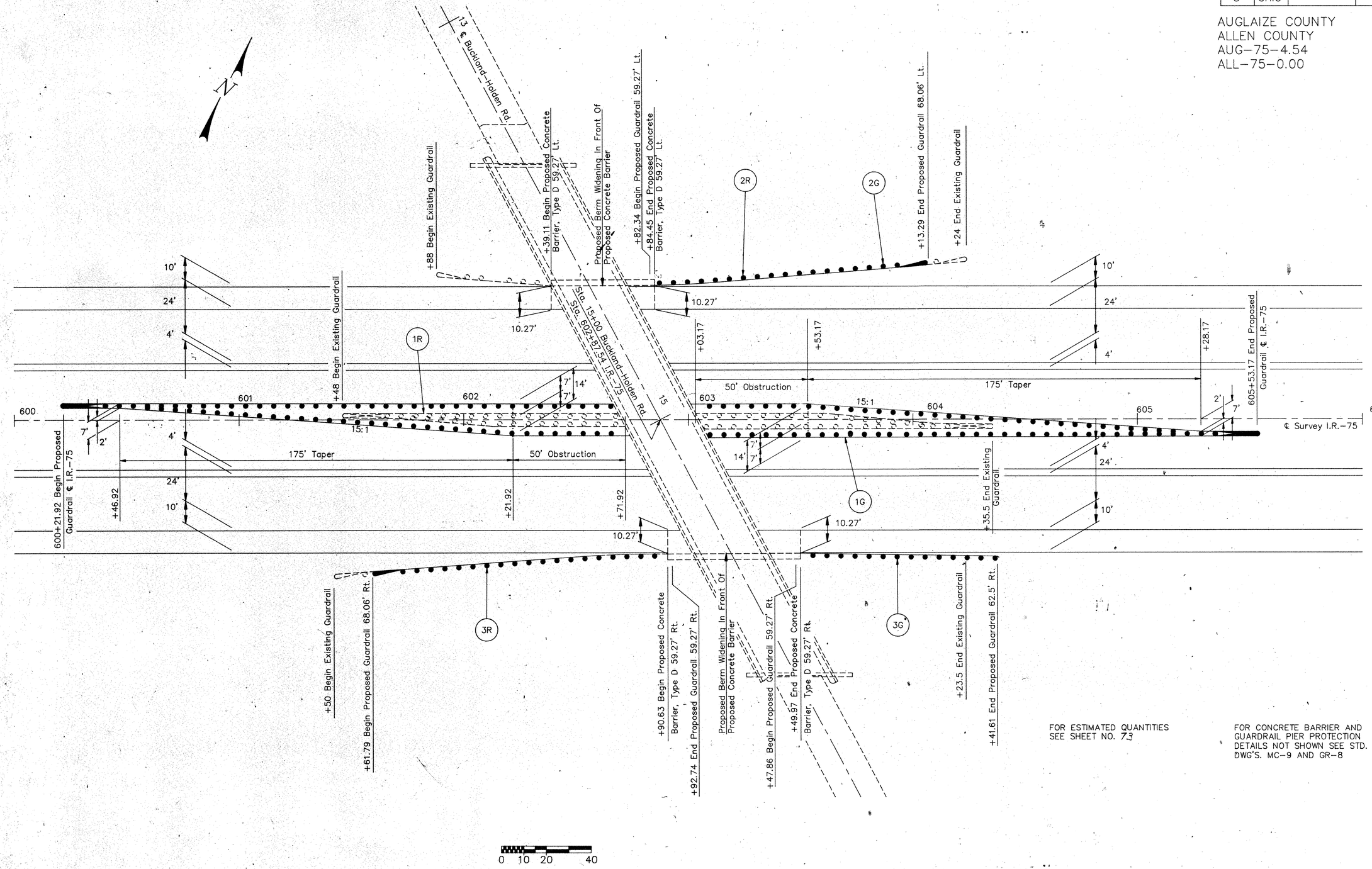
A:AU75BP04 19920129

BRIDGE PIER PROTECTION DETAILS BRIDGE NO. AUG–75–0876

FHWA REGION	STATE	PROJECT	
5	OHIO		

197
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00



FOR ESTIMATED QUANTITIES SEE SHEET NO. 73

FOR CONCRETE BARRIER AND GUARDRAIL PIER PROTECTION DETAILS NOT SHOWN SEE STD. DWG'S. MC–9 AND GR–8

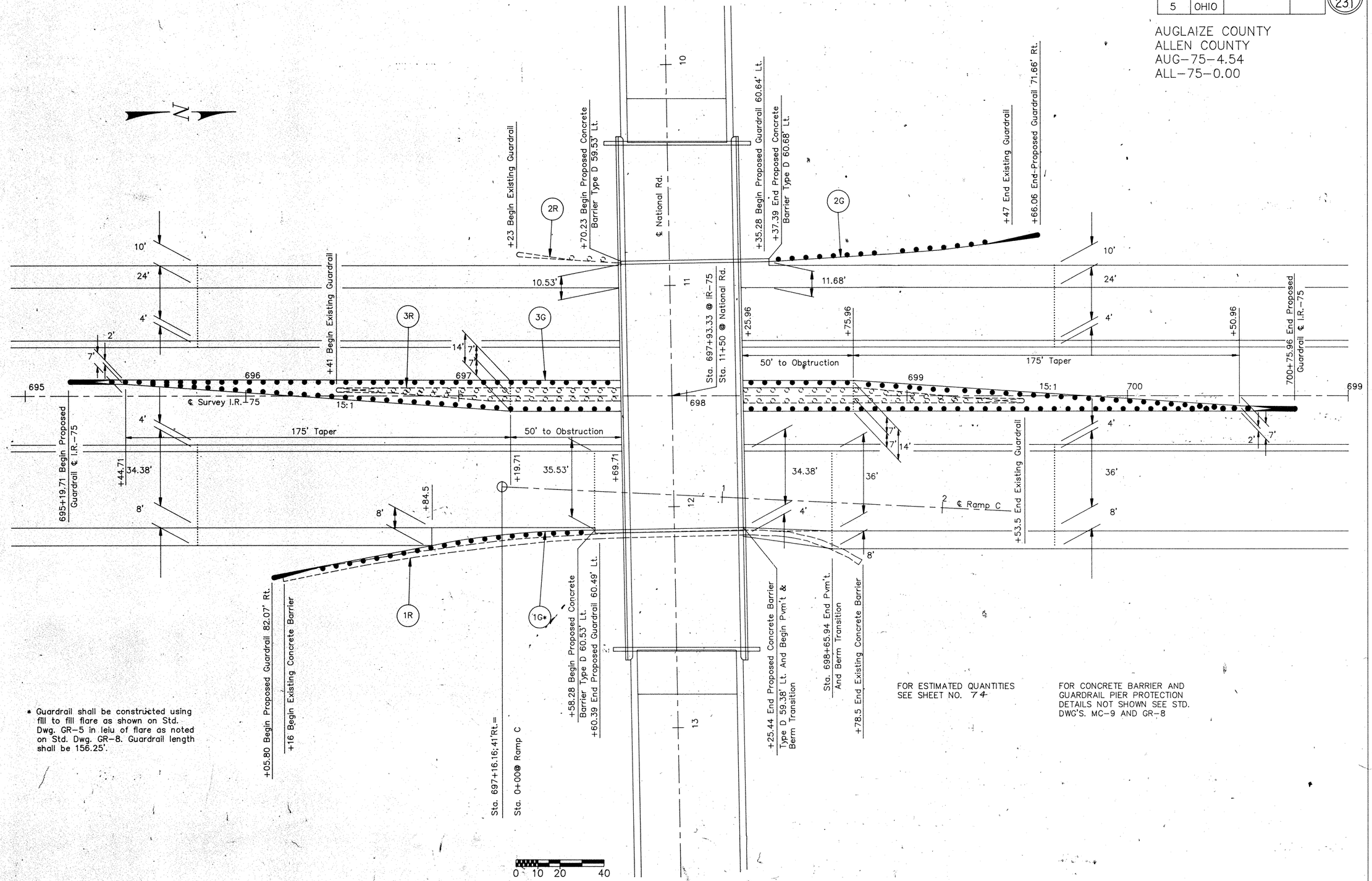
A:AU75BP05 19920130

BRIDGE PIER PROTECTION DETAILS BRIDGE NO. AUG–75–1047

FHWA REGION	STATE	PROJECT	
5	OHIO		

198
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00



* Guardrail shall be constructed using fill to fill flare as shown on Std. Dwg. GR–5 in leiu of flare as noted on Std. Dwg. GR–8. Guardrail length shall be 156.25'.

FOR ESTIMATED QUANTITIES SEE SHEET NO. 74

FOR CONCRETE BARRIER AND GUARDRAIL PIER PROTECTION DETAILS NOT SHOWN SEE STD. DWG'S. MC–9 AND GR–8

A:AU75BP06_19920130

BRIDGE PIER PROTECTION DETAILS BRIDGE NO. AUG–75–1234

BRIDGE SUMMARY

CALC. BY M.E.F. DATE 9/91	AUGLAIZE COUNTY ALLEN COUNTY AUG-75-4.54 ALL-75-0.00	OHIO	199 231
CHKD. BY C.L.T. DATE 9/91		FHWA REGION 5 FEDERAL PROJECT	

	AUG-75-0498 LEFT BRIDGE	AUG-75-0498 RIGHT BRIDGE		AUG-75-0515 LEFT BRIDGE	AUG-75-0515 RIGHT BRIDGE		AUG-75-0720/ AUG-67-0345	AUG-75-0754 RIGHT BRIDGE	AUG-75-0876		AUG-75-1234	PARTICIPATION STATE & FEDERAL	PARTICIPATION 50% FEDERAL	PARTICIPATION 100% STATE	ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION
	Lump	Lump		Lump	Lump		Lump		Lump		Lump				202	11200	Lump		Portions of Structures Removed
	300	300		300	300		10,822		300		300				509	15800	12,622	Lb.	Epoxy Coated Reinforcing Steel, Grade 60
							62								511	33404	62	Cu.Yd.	Class S Concrete, Superstructure (Using shrinkage compensating cement) (See Proposal Note)
	890	990		672	672		1,345		805		881				Spec.	51267502	6,255	Sq.Yd.	Sealing of Concrete Surfaces (Epoxy) (Light grey color) (See Proposal Note)
	16,395	21,115					61,790				14,673				Spec.	51400050	*	Sq.Ft.	Surface Preparation of Existing Steel System OZEU (See Proposal Note)
	16,395	21,115					61,790				14,673				Spec.	51400056	*	Sq.Ft.	Field Painting of Existing Steel, Prime Coat System OZEU (See Proposal Note)
	16,395	21,115					61,790				14,673				Spec.	51400060	*	Sq.Ft.	Field Painting of Existing Steel, Intermediate Coat, System OZEU (See Proposal Note)
	16,395	21,115					61,790				14,673				Spec.	51400066	*	Sq.Ft.	Field Painting of Existing Steel, Finish Coat System OZEU (See Proposal Note)
	300	500					2,779				300				Spec.	51400500	*	Lin.Ft.	Caulking (See Proposal Note)
	40	40					80				40				Spec.	51400504	*	Hour	Grinding Fins, Tears and Slivers (See Proposal Note)
	1,152	1,152					1,344				1,344				Spec.	51400508	*	Lin.Ft.	Grinding Flange Edges (See Proposal Note)
	49	75							45		90				516	10000	259	Lin.Ft.	Preformed Elastomeric Compression Joint Seal, 705.11
							396								516	14600	396	Lin.Ft.	Structural Joint or Joint Sealer, Misc., Sealing Longitudinal Jiont
	80	105					96		60						516	31000	341	Lin.Ft.	Joint Sealer, 705.04
									20						516	45305	20	Each	Refurbish Bearing Device, As Per Plan
									Lump						516	47001	Lump		Jacking and Temporary Support of Superstructure, As Per Plan
	484	484		289	289		794		508		454				517	76201	3,302	Lin.Ft.	Railing Faced, As Per Plan
	20	20		20	20		20		20		14				518	12801	134	Each	Scupper Modification, As Per Plan
	13	12					36	104			25				519	11100	190	Sq.Ft.	Patching Concrete Structure
				380	380										519	11101	760	Sq.Ft.	Patching Concrete Structure, As Per Plan
	20	19													Spec.	51912300	39	Sq.Yd.	Patching Concrete Bridge Deck, Type II
				4	4		2		2		2				Spec.	53000400	14	Each	Abutment Modification
	4	4					4		4		4				Spec.	53000400	20	Each	Wingwall Modification
									20						Spec.	53000400	20	Each	Beam Seat Modification
				56	56		155		99		88				845	10200	454	Sq.Yd.	Latex Modified Concrete Overlay (1 1/4" Thick) (See Proposal Note)

* EACH BRIDGE IS A SEPARATE PAY ITEM.

A:AU75BS1 19920219

BRIDGE NOTES

	AUGLAIZE COUNTY ALLEN COUNTY AUG-75-4.54 ALL-75-0.00	OHIO FHWA REGION 5	200 231
		FEDERAL PROJECT	

STANDARD DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS

Reference shall be made to Standard Drawings

AS-1-81	Dated	11-27-81	GR-1.1	Dated	5-6-91
DBR-2-73	Dated	4-10-73	GR-3.1	Dated	5-6-91
SD-1-69	Dated	6-12-69	BP-5	Dated	10-1 -87
RB-1-55	Dated	2-2-59			

and to Supplemental Specifications:

845	Dated	5-31-88	952	Dated	12-14-88
852	Dated	6-10-87	953	Dated	8-21-80

DESIGN SPECIFICATIONS

The repairs to the structures shall conform to "Standard Specifications for Highways Bridges" adopted by the American Association of State Highways and Transportation Officials, 1989 including the 1990 and 1991 interim specifications and the Ohio "supplement" to these Specifications.

DESIGN DATA

Concrete Class C – compressive strength 4000 p.s.i.
Concrete Class S – compressive strength 4500 p.s.i.
Reinforcing Steel – ASTM A615, A616 or A617 – Grade 60 minimum yield strength 60,000 p.s.i.
Structural Steel – ASTM A36 – unit stress 20,000 p.s.i.

EXISTING STRUCTURE VERIFICATION:

Details and dimensions shown on these plans pertaining to the existing structure have been obtained from plans of the existing structure and/or from field observation and measurements. Consequently, they are indicative of the existing structure and the proposed work but they shall be considered tentative and approximate. The Contractor is referred to CMS Sections 102.05, 105.02 and 513.02

Contract bid price shall be based upon a recognition of the uncertainties described above and upon a prebid examination of the existing structure by the Contractor. However, all project work shall be based upon actual details and dimensions which have been verified by the contractor in the field.

MAINTENANCE OF TRAFFIC:

Refer to the roadway maintenance of traffic note and details of these plans for provisions affecting the traffic to be maintained during construction.

EXISTING BRIDGE PLANS

Existing bridge plans are on file for inspection, if necessary at the O.D.O.T. Bureau of Bridges and Structural Design in Columbus, Ohio or at the O.D.O.T. District 7 Office in Sidney, Ohio.

ITEM 518 SCUPPER MODIFICATION, AS PER PLAN

This item of work shall consist of furnishing all material, labor equipment and incidentals necessary to modify existing bridge deck scuppers according to plan notes and details, applicable Std. Dwgs. and pertinent provisions of the O.D.O.T. Construction and Material Specifications.

This work shall consist of removing the existing vertical leg of the bulb angle on existing scuppers at the locations shown on the plans.

The quantity shall be the actual number of scuppers modified according to plan notes and details, measured as each and accepted.

Payment for accepted quantities will be made at the contract price for Item Special, Scupper Modification and shall be full compensation for all materials, labor, equipment and incidentals necessary to complete this item of work as described.

ITEM 517 RAILING FACED, AS PER PLAN:

This item of work shall consist of furnishing all materials, labor, equipment and incidentals necessary to reface and /or reconstruct existing concrete bridge parapets according to plan notes and details, applicable Std. Dwgs. and pertinent provisions of the O.D.O.T. Construction and Material Specifications.

This work shall include either partial removal and refacing of existing concrete bridge parapets and safety curbs or in some cases complete removal and reconstruction of portions of existing concrete bridge parapets and safety curbs to accomodate relocation of the existing open joint through the proposed parapet; the extension and sealing of existing deflection joints through the proposed refacing; the installation of preformed expansion joint filler material where required and removal and disposal of all materials not designated for reuse or salvage.

The existing aluminum railing and posts on the bridge parapets, where such railing and posts exists, shall be carefully removed by the Contractor and stored at a location within the right-of-way, approved by the Engineer, for subsequent pick-up by State forces.

Concrete used for parapet reconstruction shall be Class S concrete as per C.M.S. 511. Reinforcing steel and dowel holes shall conform to the provisions of C.M.S. 509 and 510.

Reinforcing steel shall be epoxy coated and any damage to the epoxy coating due to cutting, bending and etc. shall be repaired as per C.M.S. 509. Dowel holes shall be drilled in a manner acceptable to the Engineer and shall be thoroughly cleaned of all foreign material immediately prior to grouting operations. Dowel holes for reinforcing steel intended to be anchored with cement grout shall be thoroughly saturated with water and allowed to dry to a damp condition prior to placing the grout.

Grout anchoring for reinforcing steel using epoxy or resin mortars as per O.D.O.T. SS 852 and SS 952 may be used in lieu of cement grout anchoring.

All loose and unsound concrete on the parapet walls and safety curbs within the area to be refaced shall be removed. All remaining sound concrete shall then be mechanically scarified 1/4" deep. The minimum concrete thickness for the proposed refacing shall be four (4) inches. The minimum concrete cover for all reinforcing steel within the refacing area is two (2) inches. Concrete surfaces within the refacing area shall be thoroughly saturated with water and allowed to dry to a damp condition prior to proposed concrete placement.

The existing deflection joints shall be extended completely through the proposed facing and shall be made by forming prior to concrete placement or sawcutting the hardened concrete within three (3) days after placement. The quarter (1/4) inch joints shall be sealed a minimum of three-quarters (3/4) inch deep with an impregnated, precompressed, expanding foam sealant tape such as Will-Seal, manufactured by Illbruk/USA Inc., Minneapolis, Minnesota or a low density, closed cell, crosslinked, ethylene vinyl acetate foam such as Evazote 50, manufactured by E-Poxy Industries Inc., Ravena, New York or approved equal.

Removal and disposal of waste materials shall conform to the provisions of C.M.S. 202.

Concrete, reinforcing steel, dowel holes, expansion joint filler material, joint sealant, removal and temporary storage of aluminum railing and posts shall be considered incidental to this item of work.

The quantity shall be the actual length of bridge parapet refaced or reconstructed according to plan notes and details, measured in linear feet, and accepted.

Payment for accepted quantities will be made at the contract price for Item 517 Railing Faced As Per Plan and shall be full compensation for all materials, labor, equipment and incidentals necessary to complete this item of work as described.

ITEM SPECIAL ABUTMENT MODIFICATION:

This item of work shall consist of furnishing all materials, labor, equipment and incidentals necessary to modify existing concrete abutments and/or existing concrete backwalls according to plan notes and details, applicable Std. Dwgs. and pertinent provisions of the O.D.O.T. Construction and Material Specifications.

This work shall include either partial or complete removal and reconstruction of concrete abutments, including backwalls where required, to the extent shown on the plans; the horizontal extension of structural steel expansion (end dam) elements where shown; the removal of existing steel bars or steel plates on expansion joint (end dam) elements placed in previous vertical extension operations where such bars exist and are designated for removal; the removal and reconstruction of portions of the adjacent bridge deck when necessary; the removal of existing curb plates and/or installation of new parapet curb plates where shown; the removal, cleaning and relocating of the existing structural steel expansion joint (end dam) including temporary support for the relocated expansion joint during backwall reconstruction; and removal and disposal of all materials not designated for reuse.

Concrete used for abutment and/or backwall reconstruction shall be Class S Concrete as per C.M.S. 511. Reinforcing steel and dowel holes shall conform to the provisions of C.M.S. 509 and 510. Structural steel shall conform to the provisions of C.M.S. 513. Concrete, reinforcing steel, dowel holes and structural steel for expansion joint (end dam) extensions including anchors shall be considered incidental to this item of work.

Removal and satisfactory disposal of waste materials shall conform to the provisions of C.M.S. 202.

The quantity shall be the actual number of abutments modified according to plan notes and details, measured as each, and accepted.

Payment for accepted quantities will be made at the contract price for Item Special, Abutment Modification and shall be full compensation for all materials, labor, equipment and incidentals necessary to complete this item of work as described.

STATE OF OHIO DEPARTMENT OF TRANSPORTATION	1 / 32
BRIDGE NOTES	

PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEYED INFO. FROM EXIST. PLANS	DRAWN INFO. FROM EXIST. PLANS	DESIGNED	DRAWN	CHECKED	REVIEWED
			CLT 9/91	MEF 10/91	

A:AU75BN01 19920219

AUGLAIZE COUNTY ALLEN COUNTY AUG–75–4.54 ALL–75–0.00	OHIO FHWA REGION 5	201 231
	FEDERAL PROJECT	

BRIDGE NOTES

ITEM SPECIAL, WINGWALL MODIFICATION

This item of work shall consist of furnishing all materials, labor, equipment and incidentals necessary to modify existing concrete wingwall parapets and/or wingwall footers according to plan notes and details, applicable Std. Dwgs. and pertinent provisions of the O.D.O.T. Construction and Material Specifications.

This work shall include partial or complete removal and reconstruction of the existing wingwall parapets, and wingwall footers where such wingwall parapets and footers exist; the construction of new wingwall parapets and footers as shown on the plans; the modification and reconstruction of portions of the existing parapets on the adjacent bridge deck to accomodate the relocation of the existing open joint through the proposed parapet where required; the installation of preformed expansion joint filler material where required, the removal of existing curb plates and/or installation of new parapet curb plates where shown and removal and disposal of all materials not designated for reuse or salvage.

The existing aluminum railing and posts on the wingwall parapets, where such railing and posts exists, shall be carefully removed by the contractor and stored at a location within the right–of–way approved by the Engineer for subsequent pick–up by State forces.

Concrete used for wingwall parapet and footer construction shall be Class S Concrete as per C.M.S. 511. Reinforcing steel and dowel holes shall conform to the provisions of C.M.S. 509 and 510. Concrete, reinforcing steel; dowel holes and expansion joint filler material shall be considered incidental to this item of work.

Removal and satisfactory disposal of waste materials shall conform to the provisions of C.M.S. 202.

The quantity shall be the actual number of wingwall parapets modified according to plan notes and details, measured as each, and accepted.

Payment for accepted quantities will be made at the contract price for Item Special, Wingwall Modification, and shall be full compensation for all materials, labor, equipment and incidentals necessary to complete this item of work as described.

EXISTING REINFORCING STEEL

Where concrete is being removed and replaced, the existing reinforcing steel shall remain and be trimmed to provide the required clearance. Any existing reinforcing bars which are to be incorporated into the new work and which are made unusable by the Contractor's concrete removal operations shall be replaced with new steel at his cost. Any existing reinforcing bars deemed by the Engineer to be unusable because of corrosion shall be replaced with new steel. An allowance of 300 pounds of steel per structure has been provide in these plans for this purpose.

ITEM SPECIAL BEAM SEAT MODIFICATION

This item of work shall consist of furnishing all materials, labor and equipment necessary to construct concrete pedestals on the existing beam seats at bridge number AUG–75–0876 according to plan notes and details, applicable Std. Dwgs. and pertinent provisions of C.M.S. 202, 499, 508, 509, 510 and 511.

This work shall include the scarification of the existing beam seat surface and flushing the seat area with water prior to concrete placement, the extension of existing rocker or bolster base plate anchor bolts where such anchor bolts exist and the construction of concrete pedestals as shown on the plans.

Concrete used for pedestal construction shall be High Early Strength Class C concrete as per C.M.S. 511. Dowel holes and reinforcing steel shall conform to the provisions of C.M.S. 510 and 509. Concrete, dowel holes, threaded rods and sleeve nuts for anchor bolt extensions and reinforcing steel shall be considered incidental to this item of work.

The quantity shall be the actual number of beam seats modified according to plan notes and details, measured as each, and accepted.

Payment for accepted quantities will be made at the contract price for Item Special, Bridge Seat Modification and shall be full compensation for all materials, labor, equipment and incidentals necessary to complete this item of work as described.

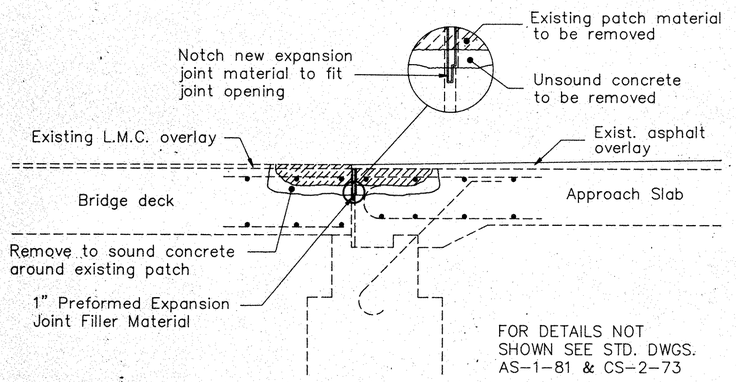
ITEM 519 PATCHING CONCRETE STRUCTURES, AS PER PLAN

This item of work shall consist of furnishing all material, labor and equipment necessary to repair concrete bridge decks and approach slabs and reconstruct expansion joints on concrete slab bridge according to plan notes and details, applicable Std. Dwgs. and pertinent provisions of C.M.S. 202, 499 and 511.

This work shall include the removal of any existing patching material where such material exists, the removal of all unsound concrete adjacent to the expansion joint, reconstruction of the existing expansion joint using a 1" preformed expansion joint filler installed according to plan details and patching of the existing bridge deck and existing approach slab.

Concrete removal, preservation of existing reinforcing steel within the removal area, surface preparation, concrete placement, finishing and curing shall conform to C.M.S. 519.

Removal and satisfactory disposal of waste material shall conform to the provisions of C.M.S. 202.



JOINT PATCHING DETAIL

The quantity shall be the actual area of bridge deck and/or approach slab patched according to plan notes and details, measured in square feet and accepted.

Payment for accepted quantities will be made at the contract price for Item 519 Patching Concrete Structures, As Per Plan and shall be full compensation for all materials, labor, equipment and incidentals necessary to complete this item of work as described.

ITEM 516 STRUCTURAL JOINT OR JOINT SEALER, MISC., SEALING LONGITUDINAL JOINT

This item of work shall consist of cleaning and sealing the open longitudinal bridge deck joint on bridge number AUG–75–0720.

The watertight, flexible, wear–resistant joint material shall be gray or white Evazote; A closed–cell, cross–linked ethylene vinyl acetate foam, monolithically bonded to sizes in accordance with project specification.

The epoxy bonder used to bond the joint material (Evazote) into place shall be Sinmast Bonder, product # 6; Niklepoxy # 6 Concrete–Steel Bonder; or and approved equal having a proven compatibility with the Evazote joint material.

The contractor shall conduct his operation so that cleaning and sealing of the longitudinal joint is a continuous operation that will be performed as soon as practical after the paving, but no later than four (4) days after placement of the concrete surface course. Traffic shall not be allowed to damage the joint edges prior to sealing.

The longitudinal joint shall be thoroughly cleaned with a sufficient amount of compressed air to remove any dirt, dust, or deleterious matter. When the surfaces are thoroughly clean and dry, and just prior to placing the joint sealer, compressed air having a pressure of at least 90 P.S.I. shall be used to blow out the joint and remove all traces of dust.

In the event joints become contaminated before they are sealed, they shall be recleaned of all foreign material by high pressure water jet.

The joint shall be thoroughly dried before the sealant is placed. After cleaning and drying, sealing of the longitudinal joint shall be done by using a special sealing material; Evazote– A closed cell ethylene vinyl acetate low density expanded foam material with special bonding agents, distributed by Rocky Mountain Chemical Company, Minneapolis, Min.. (612) 379–7863 or E–Poxy Industries, Ravenna, N.Y.. (518) 756–6193. Installations of the special sealing material shall be in accordance to the manufacturer's recommendations.

The quantity to be paid for under this item will be the actual number of linear feet of joint sealed as per the above requirements.

The unit price bid per linear foot for ITEM 516 Structural Joint or Joint Sealer, Misc., Sealing Longitudinal Joint and shall include the cost of all labor, materials and equipment necessary to complete this item of work, including the furnishing and placing of the joint sealer material.

STATE OF OHIO DEPARTMENT OF TRANSPORTATION	2 / 32

BRIDGE NOTES

PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEYED INFO. FROM EXIST. PLANS	DRAWN INFO. FROM EXIST. PLANS	DESIGNED	DRAWN	CHECKED	REVIEWED
			CLT 9/91	MEF 10/91	

A:AU75BN02 19920219

	AUGLAIZE COUNTY ALLEN COUNTY AUG–75–4.54 ALL–75–0.00	OHIO FHWA REGION 5	202 231
		FEDERAL PROJECT	

BRIDGE NOTES

ITEM 516– REFURBISH BEARING DEVICE, AS PER PLAN

This item of work shall consist of furnishing all materials, labor, equipment and incidentals necessary to refurbish and realign existing bridge rockers and bolsters according to plan notes and details, applicable Std. Dwgs. and pertinent provisions of the O.D.O.T. Construction and Material Specifications.

This work shall include disassembly of the bearings; hand cleaning including grinding where required; sandblasting and painting as per C.M.S. 514.04 using System A for new steel surfaces; replacement of any damaged or deteriorated sheet lead bearing pads as per C.M.S. 711.19; realignment of the upper bearing plates, if necessary, by removing existing welds and rewelding upper plates so bearings are aligned at 60° F; installation of new 1/8" steel shims where required including replacement of any damaged or deteriorated existing steel shims intended for reuse; subsequent reassembly of the bearings and removal and disposal of all materials not designated for reuse.

All bearing reconstruction and realignment work shall be subject to the Engineer's approval. Final bearing alignment shall conform to C.M.S. 516.05.

At the option of the Contractor and at no additional cost to the State of Ohio, new rockers and bolsters of the same type, size and capacity as the existing bearings may be furnished and installed instead of refurbishing existing bearings.

The quantity shall be the actual number of bearings refurbished and realigned or new bearings furnished and installed according to plan notes and details, measured as each, complete in place and accepted.

Payment for accepted quantities will be made at the contract price for Item 516 Refurbish Bearing Device, As Per Plan and shall be full compensation for all materials, labor, equipment and incidentals necessary to complete this item of work as described.

ITEM SPECIAL, SEALING OF CONCRETE SURFACES

The following exposed concrete surfaces shall be sealed using an epoxy sealer with a light grey color:

1.) All bridge piers from ground line to the top of the pier cap. Seal all exposed surfaces of all pier columns, and all exposed surfaces on pier caps except for the top of pier cap.

2.) Abutments and backwalls from top of backwall to bridge seat; from bridge seat down to ground line, in addition to bridge seat surface.

3.) Top, sides and ends of wingwalls and retaining walls within 30 feet of the edge of pavement down to the ground line.

4.) Bridge deck gutter, inside faces, top surface and backside of bridge deck and wingwall parapets including the fascia and the underside of the bridge deck from the edge of the deck to the outside edge of the beam flange.

5.) All exposed surfaces, except for the top, of the proposed concrete pedestals on the beam seats at bridge number AUG–75–0876.

See the proposal note for surface preparation requirements, application rates, material specifications and application proceedures.

ITEM 516 JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN

This item of work shall consist of furnishing all materials, labor, equipment and incidentals necessary to raise the superstructure of bridge number AUG–75–0876 to meet the proposed profile for Hengstler Road as shown on the plans.

This work shall be performed in accordance with plan notes and details, applicable Std. Dwgs. and pertinent provisions of the O.D.O.T. Construction and Material Specifications.

This work shall include providing jacks of sufficient capacity to raise the superstructure and providing, installing, maintaining and subsequently removing temporary supports and transverse and longitudinal blocking required to maintain the existing alignment during the entire period required to raise the superstructure, construct the concrete pedestals on the existing abutment and pier beam seats, install new or refurbished bearing devices and lower the superstructure into place.

All jacking operations must be completed before any parapet rail retro–fit or latex concrete overlay work is performed on the raised superstructure.

Any attachments intended to be made by welding to any main structural member shall be approved by the Director before such attachments are made. Details of any such intended attachments shall be submitted for approval as part of the jacking procedure plan or independently by a separate submission.

Detailed plans of the intended jacking procedures, including methods of preventing transverse or longitudinal movement and determinations of required jack capacity shall be prepared by a registered professional Engineer and shall bear his signature and seal.

The Contractor shall submitt three (3) copies of the intended jacking procedure plan and two (2) copies of the related design calculations to the Director for approval at least fifteen (15) working days prior to the intended start of jacking operations.

The Contractor may proceed with jacking operations after receiving approval from the Director, however, approval of the submitted plans shall not relieve the Contractor of the responsibility for the behavior of the intended jacking procedures. It shall be understood that all jacking operations are to be directed by registered professional Engineer.

The quantity shall be the actual number of superstructures raised according to plan notes and details, measured on a lump sum basis, complete in place and accepted.

Payment for accepted quantities will be made at the contract price for Item 516 Jacking and Temporary Support of Superstructure, As Per Plan and shall be full compensation for all materials, labor, equipment and incidentals necessary to complete this item of work as described.

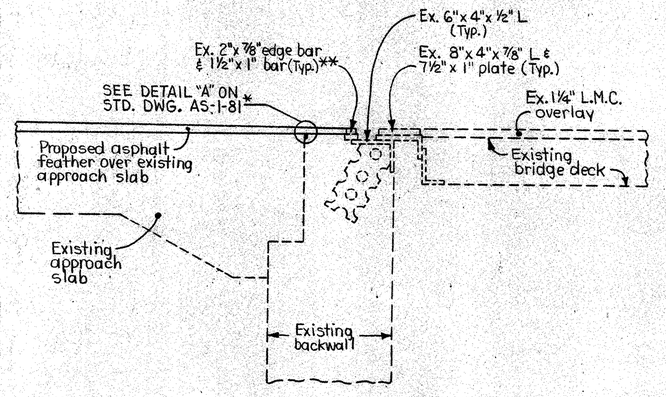
STATE OF OHIO DEPARTMENT OF TRANSPORTATION						3 / 28
BRIDGE NOTES						
PRESENT TOPOGRAPHY		PROPOSED WORK				
SURVEYED INFO. FROM EXIST. PLANS	DRAWN INFO. FROM EXIST. PLANS	DESIGNED	DRAWN CLT 8/91	CHECKED MEF 9/91	REVIEWED	

A:AU75BN03 19920219

FHWA REGION	STATE	PROJECT		203 / 231
5	OHIO			

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

NOTE : Cost of preformed elastomeric joint sealer and Type A waterproofing between backwall and approach slab to be included in contract price bid for approach slab.



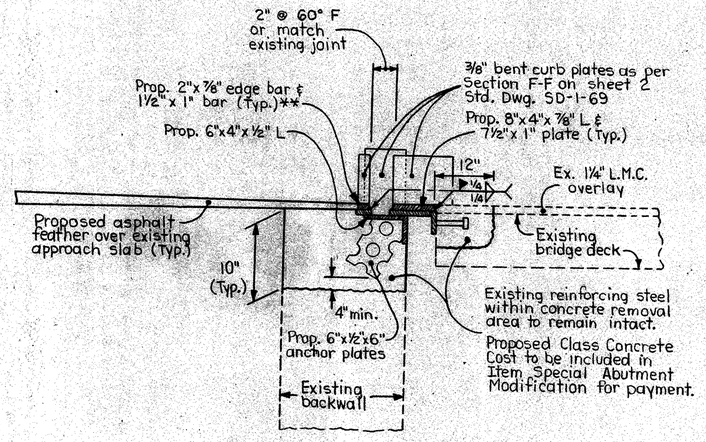
SECTION B-B

AUG-75-0498 L&R*** AUG-75-0720
AUG-75-1047 AUG-75-1234**

* Cost of sawing to be included in joint sealer.

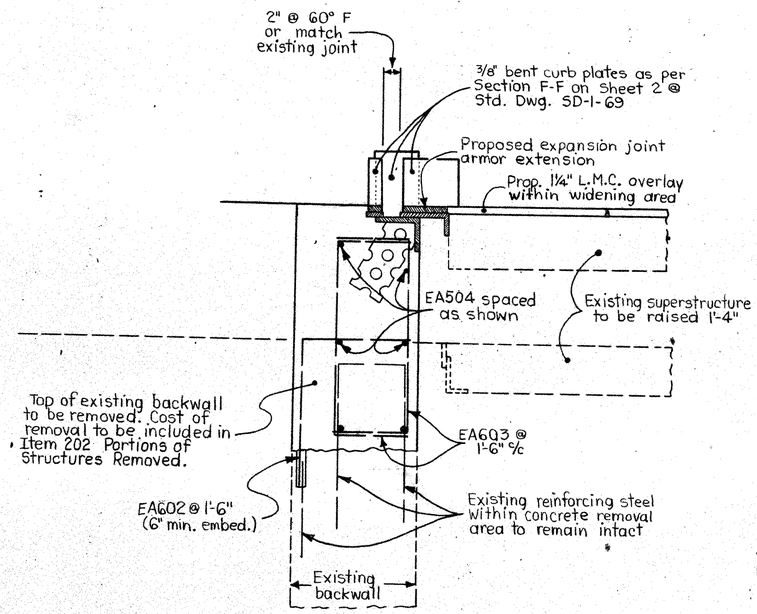
** Bridge No. AUG-75-1234 has no vertical extension bar on backwall. Existing asphalt surface extends over existing expansion joint. Extend expansion joint armor as is.

*** No horizontal extension of end dam @ AUG-75-0498 L&R. Remove existing curb plates and install proposed curb plates as shown.



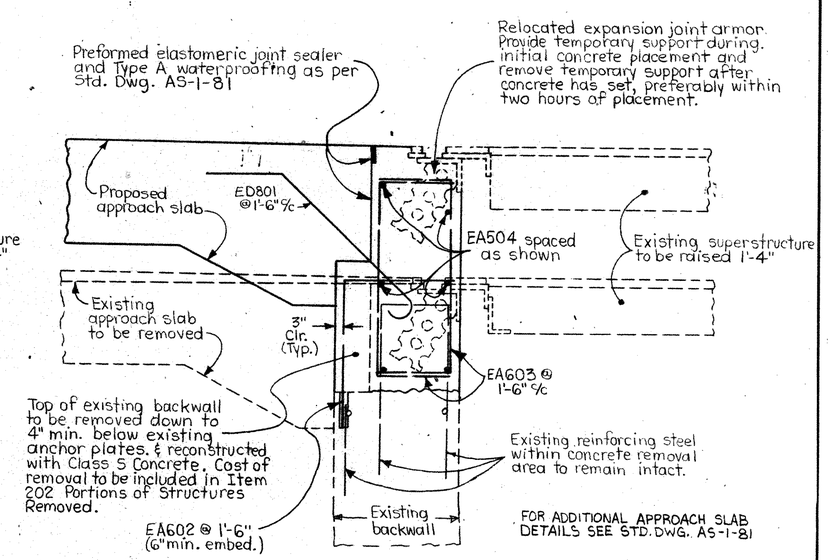
SECTION A-A

AUG-75-0498 L&R*** AUG-75-0720
AUG-75-1047 AUG-75-1234**



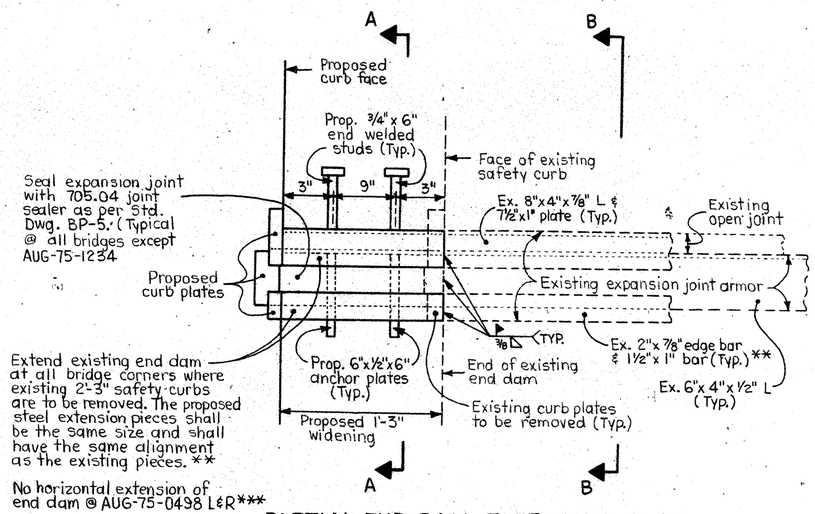
SECTION A-A

AUG-75-0876



SECTION B-B

AUG-75-0876



PARTIAL END DAM EXTENSION PLAN

(Typical @ all bridges except AUG-75-0515 L&R)

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

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EXPANSION JOINT EXTENSION DETAILS

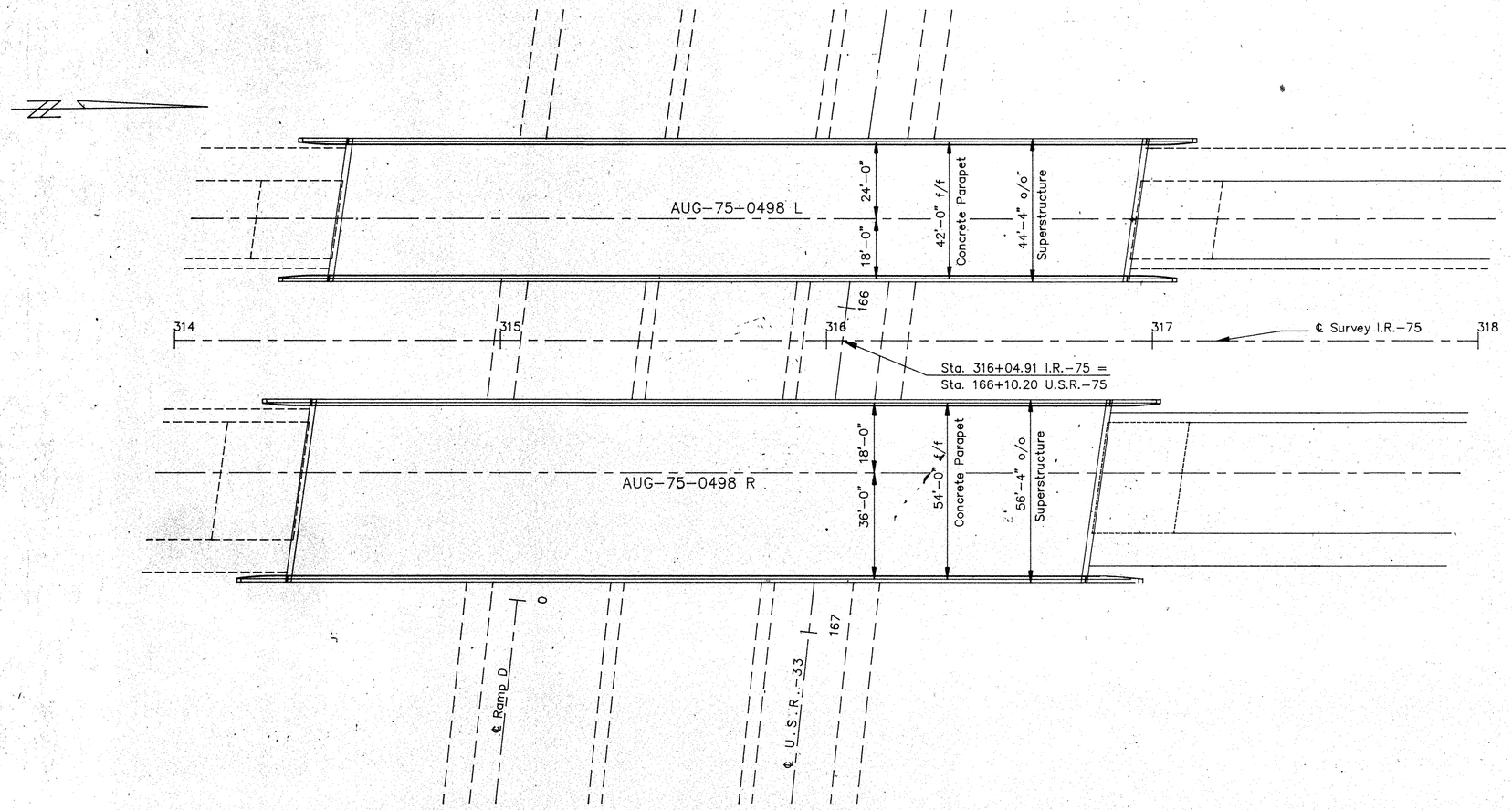
All bridges except AUG-75-0515 L&R

PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEY INFO. FROM EXIST. PLANS	DRAWN INFO. FROM EXIST. PLANS	DESIGNED JTS 8/91	DRAWN JTS 8/91	CHECKED MEF 8/91	REVIEWED

FHWA REGION	STATE	PROJECT	
5	OHIO		

204
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00



PLAN

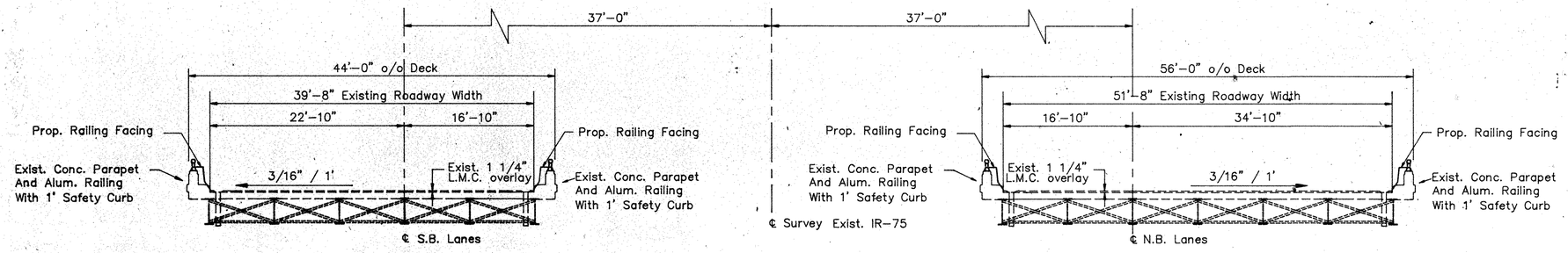
0 10 20 40

AUG–75–0498 L & R REQUIRED WORK

1. Remove and store existing aluminun railing.
2. Patch bridge deck and abutments as directed by the Engineer.
3. Modify wingwalls.
4. Reface parapets on bridge deck and construct parapets on wingwalls.
5. Modify scuppers.
6. Seal joints and concrete surfaces.
7. Paint structural steel.

EXISTING STRUCTURES

TYPE: Continuous Steel Beams with Reinforced Concrete Deck and Substructure.
SPANS: 45'–0", 75'–0", 75'–0", 45'–0" c/c BRGS.
ROADWAY: Northbound; 54'–0" f/f Concete Parapet
Southbound; 42'–0" f/f Concete Parapet
LOAD FREQUENCY: CF 2000 (57). Adequate for AASHO Alternate Loading.
WEARING SURFACE: 1" Monolithic Concrete 1 1/4" LMC
APPROACH SLABS: AS–1–54 (25' Long)
SKEW: 6'–59' L.F.
ALIGNMENT: Tangent.



TRANSVERSE SECTION

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
DIVISION OF DESIGN AND CONSTRUCTION

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GENERAL PLAN AND TRANSVERSE SECTION

BRIDGE NO. AUG–75–0498 L&R
IR–75 OVER U.S.R. 33

PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEYED INFO. FROM EXIST. PLANS	DRAWN INFO. FROM EXIST. PLANS	DESIGNED	DRAWN	CHECKED	REVIEWED
		JTS 7/91	MEF 8/91		

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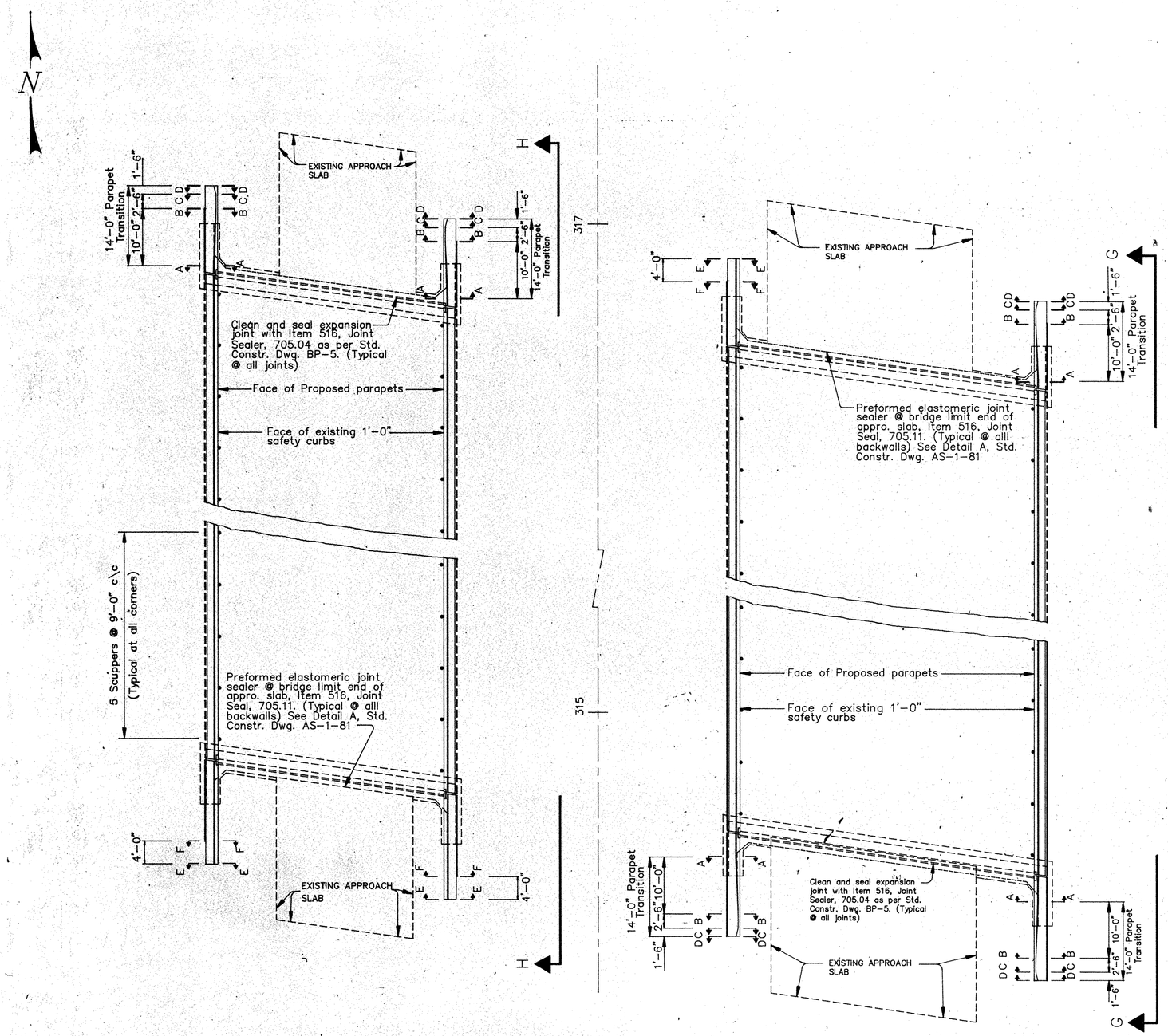
FHWA REGION	STATE	_ PROJECT		205 / 231
5	OHIO			

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00



PARAPET MODIFICATION DETAIL

0 5 10 20
Scale In Feet

FOR SECTIONS A–A, B–B, C–C, D–D, E–E and F–F SEE SHEET 8/32

FOR ELEVATION VIEWS G–G & H–H SEE SHEET 7/32

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
DIVISION OF DESIGN AND CONSTRUCTION

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PARAPET MODIFICATION DETAILS
BRIDGE NO. AUG–75–0498 L&R
I.R.–75 OVER U.S.R.–33

PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEYED INFO. FROM EXIST. PLANS	DRAWN INFO. FROM EXIST. PLANS	DESIGNED	DRAWN	CHECKED	REVIEWED
		JTS 7/91	CLT 8/91		

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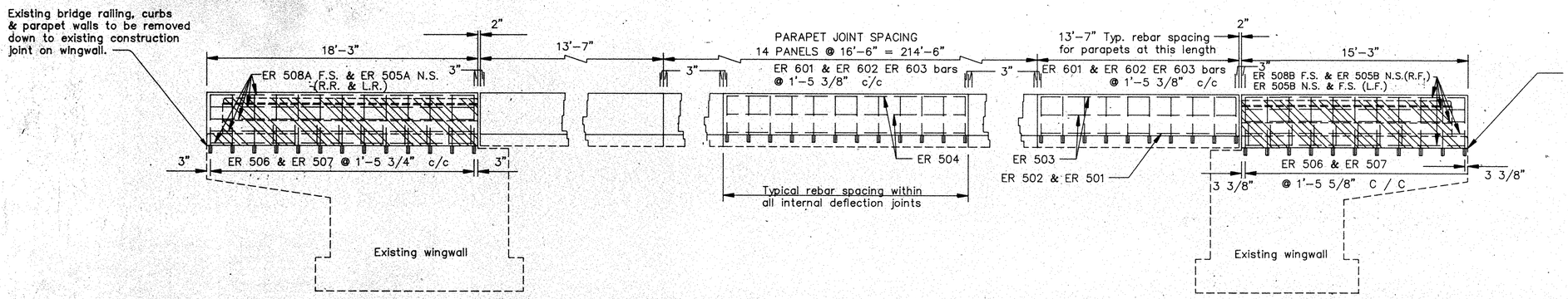
FHWA REGION	STATE	PROJECT	
5	OHIO		

206
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00

SCALE IN FEET
0 4 8

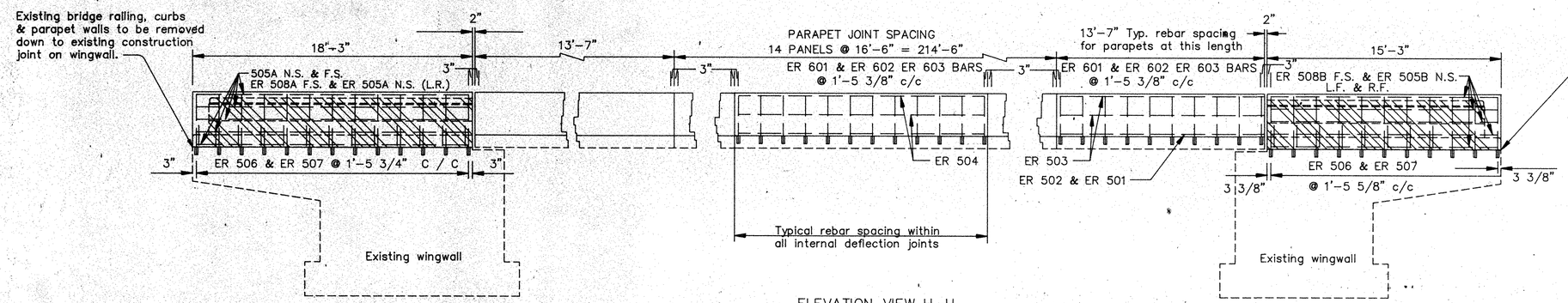


ELEVATION VIEW G–G
RIGHT RAIL SHOWN
TYPICAL FOR LEFT EXCEPT AS NOTED

LEGEND:

Portions of existing railing, curbs and parapet walls to be removed.

NOTE: Proposed reinforcing steel to be doweled into existing wingwall and bridge deck and parapet a minimum of 6". Actual location of dowel holes may be adjusted as directed by the Engineer to avoid conflict with existing reinforcing steel.



ELEVATION VIEW H–H
RIGHT RAIL SHOWN
TYPICAL FOR LEFT EXCEPT AS NOTED

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
DIVISION OF DESIGN AND CONSTRUCTION

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PARAPET ELEVATIONS
BRIDGE NO. AUG–75–0498 L&R
I.R.–75 OVER U.S.R.–33

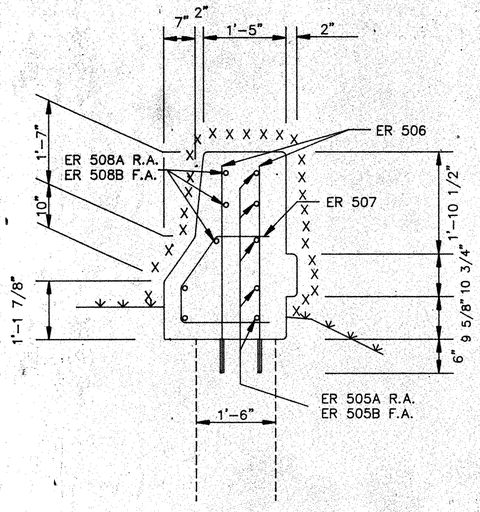
PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEYED INFO. FROM EXIST. PLANS	DRAWN INFO. FROM EXIST. PLANS	DESIGNED	DRAWN	CHECKED	REVIEWED
		JTS 7/91	MEF 8/91		

A:AU75BR5 19920214

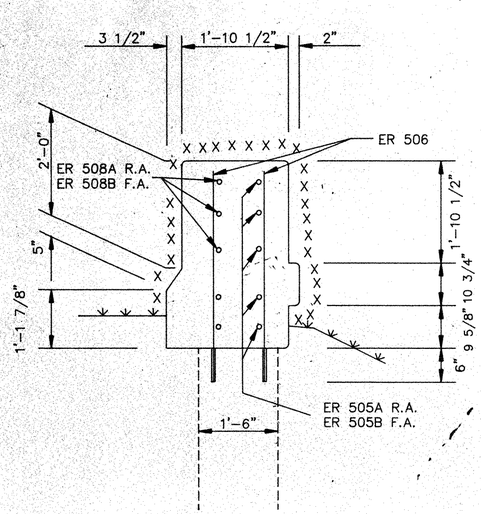
FHWA REGION	STATE	PROJECT	
5	OHIO		

207
231

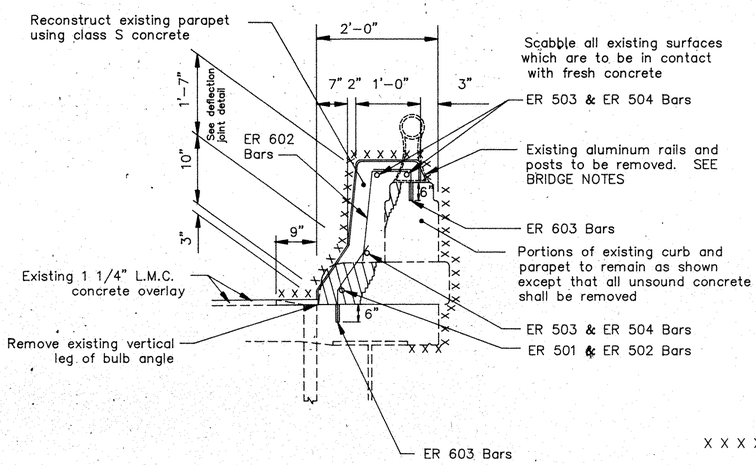
AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00



SECTION A–A



SECTION B–B



BRIDGE DECK SECTION
RAILING FACED, AS PER PLAN

FOR LOCATIONS OF SECTIONS A–A B–B, C–C, D–D, E–E, and F–F
SEE SHEET 6/32

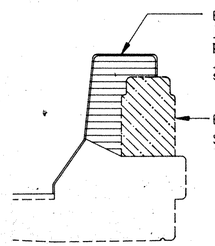
FOR ELEVATION VIEWS G–G AND H–H
SEE SHEET 7/32

LEGEND

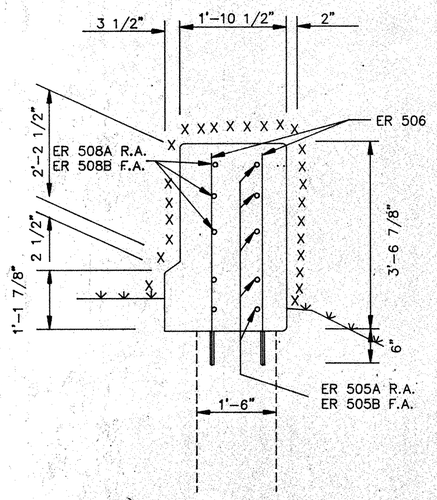
X X X X X X — Surfaces to be sealed under Item Special Sealing of Concrete Surfaces

Existing curb (and portion of parapet wall if necessary) to be removed under Item 202, Portions of Structures Removed.

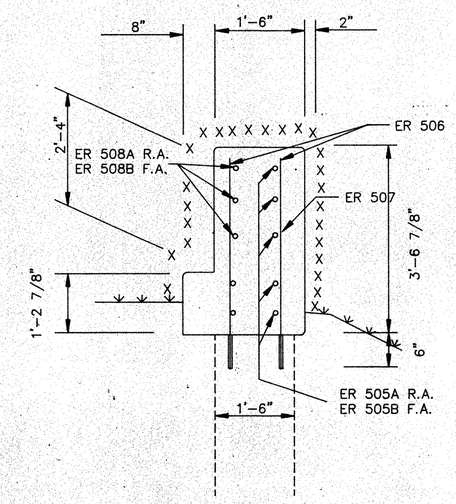
NOTE:
FOR DETAILS NOT SHOWN SEE STD. CONSTR. DWG. BR-1



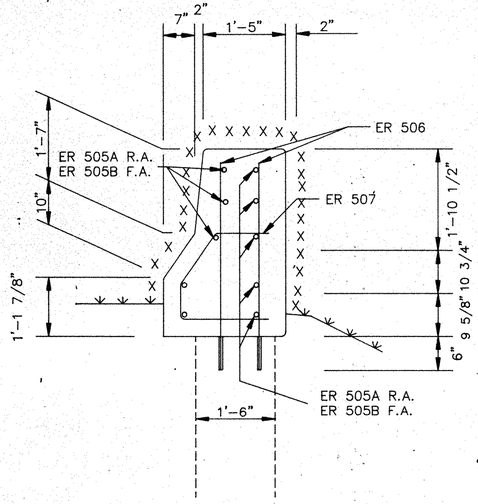
DEFLECTION JOINT DETAIL



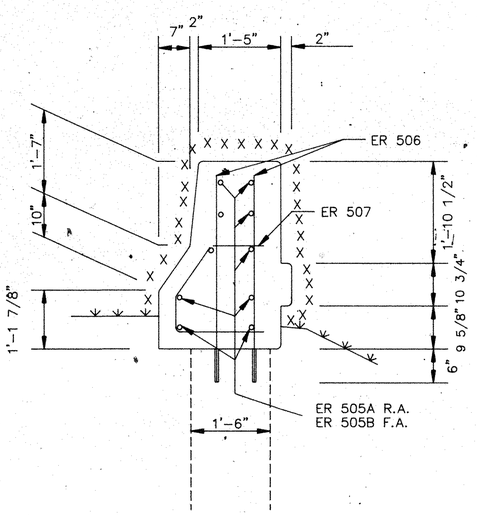
SECTION C–C



SECTION D–D



SECTION E–E



SECTION F–F

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
DIVISION OF DESIGN AND CONSTRUCTION

8/32

PARAPET MODIFICATION DETAILS
BRIDGE NO. AUG–75–0498 L&R
I.R–75 OVER U.S.R.–33

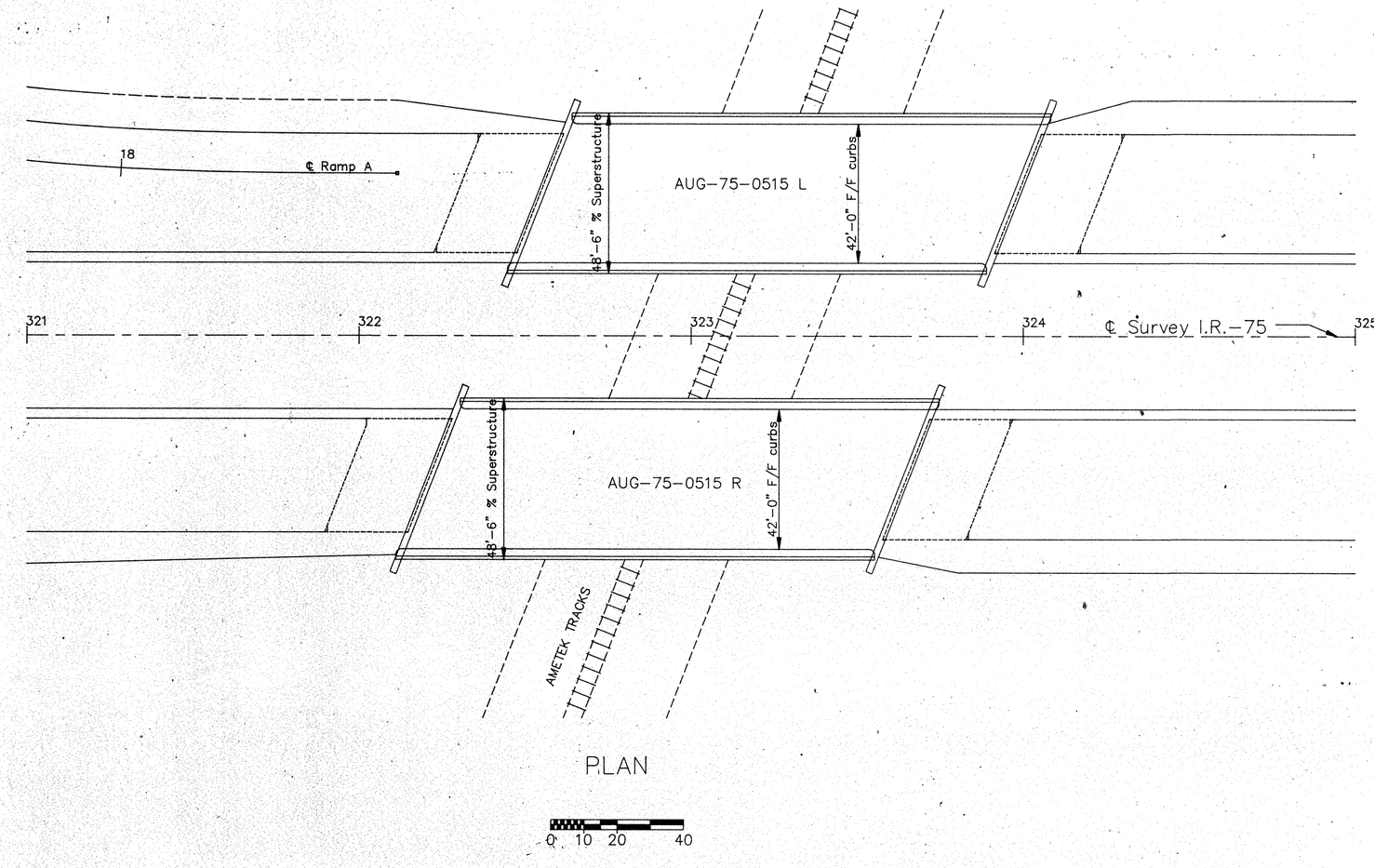
PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEYED INFO. FROM EXIST. PLANS	DRAWN INFO. FROM EXIST. PLANS	DESIGNED JTS 7/91	DRAWN TAK 8/91	CHECKED	REVIEWED

A:AU75BR4 19920214

FHWA REGION	STATE	PROJECT	
5	OHIO		

208
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00



PLAN

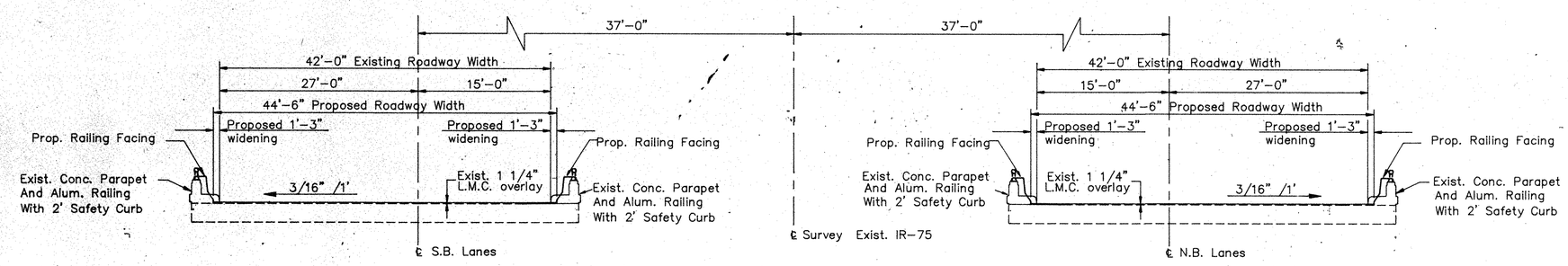
0 10 20 40

AUG–75–0515 L & R REQUIRED WORK

1. Remove and store existing aluminum railing.
2. Patch deck and approach slabs.
3. Modify abutments.
4. Reface parapets on bridge deck.
5. Modify scuppers and place latex modified concrete overlay (1 1/4") within widening area on bridge decks.
6. Seal joints and concrete surfaces.

EXISTING STRUCTURES

TYPE: CONTINUOUS REINFORCED CONCRETE SLAB ON REINFORCED CONCRETE SUBSTRUCTURE.
SPANS: 44'–0", 75'–0", 44'–0" c/c BRGS.
ROADWAY: Northbound; 42'–0" f/f Concete Parapet
Southbound; 42'–0" f/f Concete Parapet
LOAD FREQUENCY: CF 2000 (51)
(57). ADEQUATE FOR AASHO ALTERNATE LOADING.
WEARING SURFACE: 1" MONOLITHIC CONCRETE; 1 1/4" LMC
APPROACH SLABS: AS–1–54 (25' LONG)
SKEW: 21°–21'–30" L.F.
ALIGNMENT: TANGENT.



TRANSVERSE SECTION

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
DIVISION OF DESIGN AND CONSTRUCTION

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GENERAL PLAN AND TRANSVERSE SECTION BRIDGE NO. AUG–75–0515 L&R OVER AMETEK TRACKS

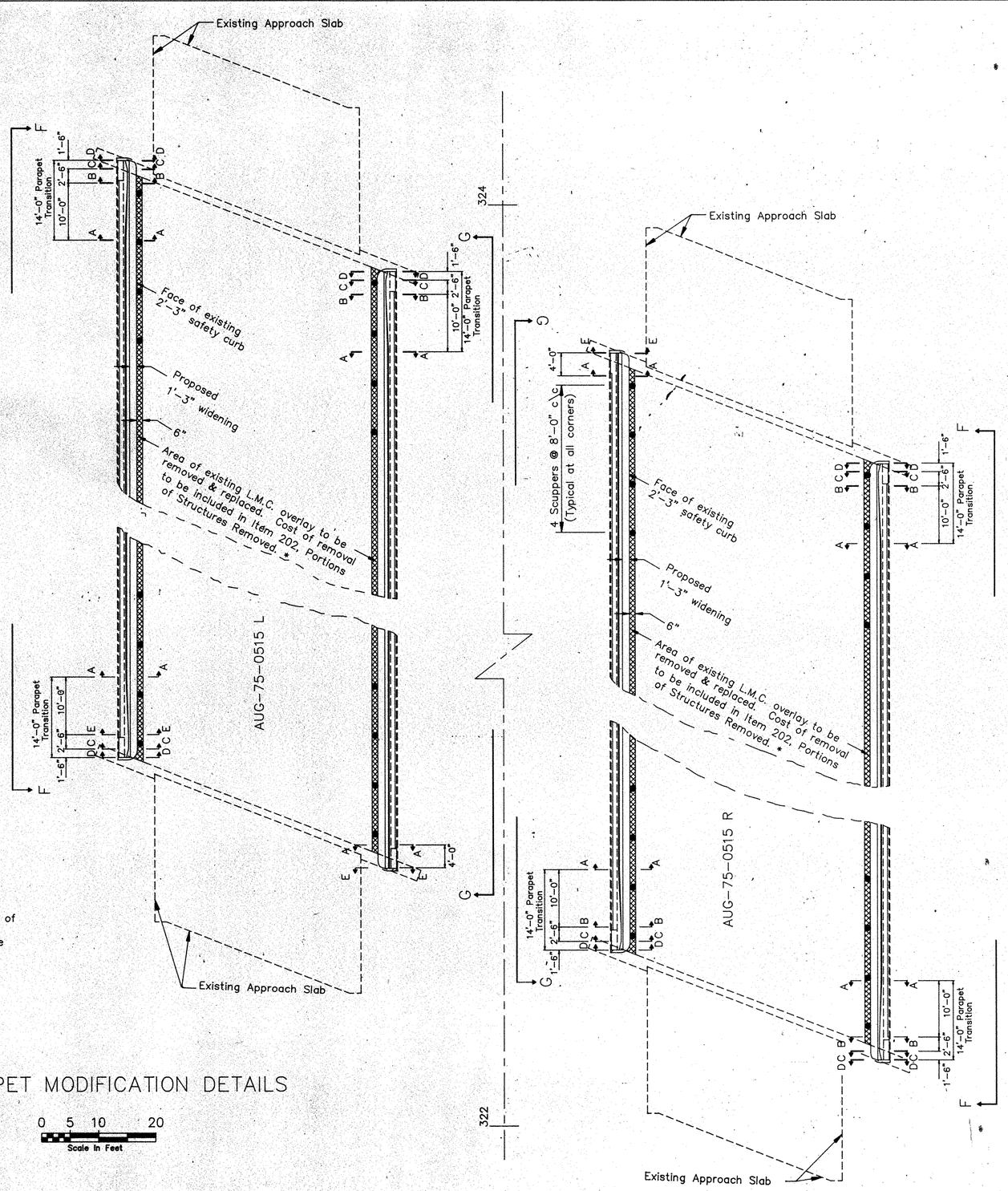
PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEYED INFO. FROM EXIST. PLANS	DRAWN INFO. FROM EXIST. PLANS	DESIGNED JTS 7/91	DRAWN CLT 8/91	CHECKED	REVIEWED

A:AU75BR2 19920214

FHWA REGION	STATE	PROJECT	
5	OHIO		

209/231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00



* Saw cut along edge of proposed area of existing L.M.C. overlay replacement. Cost of sawing to be included in price bid for replacement material.

PARAPET MODIFICATION DETAILS

0 5 10 20
Scale in Feet

FOR SECTIONS A–A, B–B, C–C, D–D and E–E SEE SHEET 12/32

FOR ELEVATION VIEWS F–F & G–G SEE SHEET 11/32

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
DIVISION OF DESIGN AND CONSTRUCTION

10/32

PARAPET MODIFICATION DETAILS
BRIDGE NO. AUG–75–0515 L & R
I.R.–75 OVER AMETEK TRACKS

PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEYED INFO. FROM EXIST. PLANS	DRAWN INFO. FROM EXIST. PLANS	DESIGNED JTS 8/91	DRAWN CLT 8/91	CHECKED MEF 8/91	REVIEWED

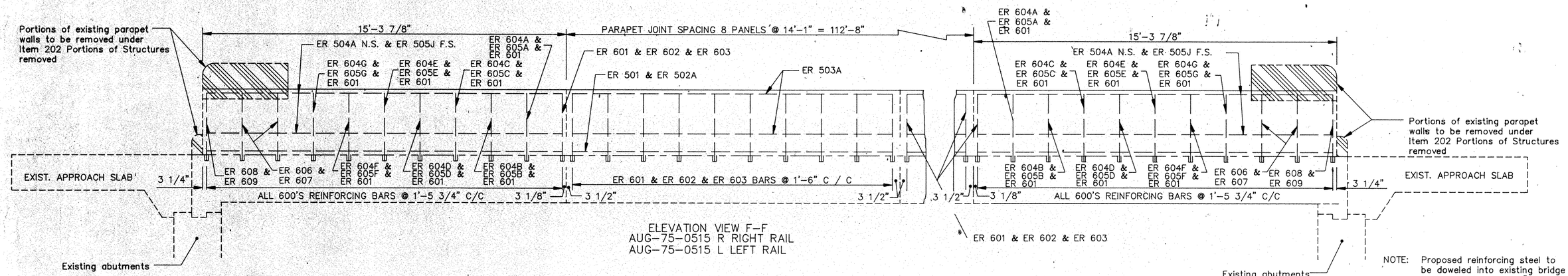
A:AU75BR8 19920218

FHWA REGION	STATE	PROJECT	
5	OHIO		

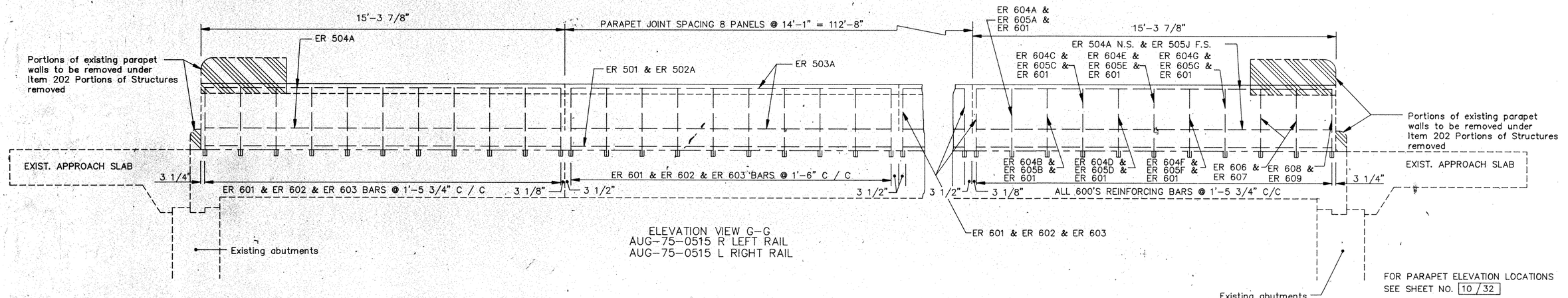
210
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00

SCALE IN FEET
0 10 20 40



ELEVATION VIEW F–F
AUG–75–0515 R RIGHT RAIL
AUG–75–0515 L LEFT RAIL



ELEVATION VIEW G–G
AUG–75–0515 R LEFT RAIL
AUG–75–0515 L RIGHT RAIL

NOTE: Proposed reinforcing steel to be doweled into existing bridge deck a minimum of 6". Actual location of dowel holes may be adjusted as directed by the Engineer to avoid conflict with existing reinforcing steel.

FOR PARAPET ELEVATION LOCATIONS SEE SHEET NO. 10 / 32

FOR ADDITIONAL PARAPET MODIFICATION DETAILS SEE SHEET NO. 12 / 32

LEGEND

Portions of existing railings, curbs and parapet walls to be removed.

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
DIVISION OF DESIGN AND CONSTRUCTION
BUREAU OF BRIDGES

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PARAPET ELEVATIONS & REINFORCING STEEL LIST
BRIDGE NO. AUG–75–0515 L&R
I.R.–75 OVER AMETEK TRACKS

PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEYED INFO. FROM EXIST. PLANS	DRAWN INFO. FROM EXIST. PLANS	DESIGNED	DRAWN	CHECKED	REVIEWED
		JTS	CLT	MEF	

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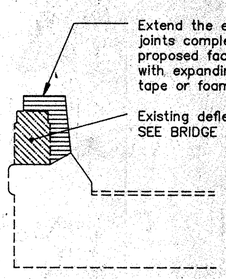
FHWA REGION	STATE	PROJECT	
5	OHIO		

211/231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00



DEFLECTION JOINT DETAIL

LEGEND

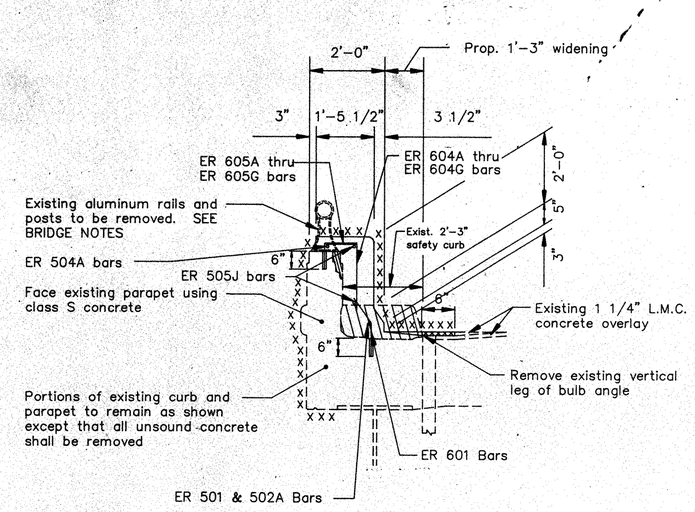
X X X X X X — Surfaces to be sealed under Item Special Sealing of Concrete Surfaces

Existing curb (and portion of parapet wall if necessary) to be removed under Item 202, Portions of Structures Removed.

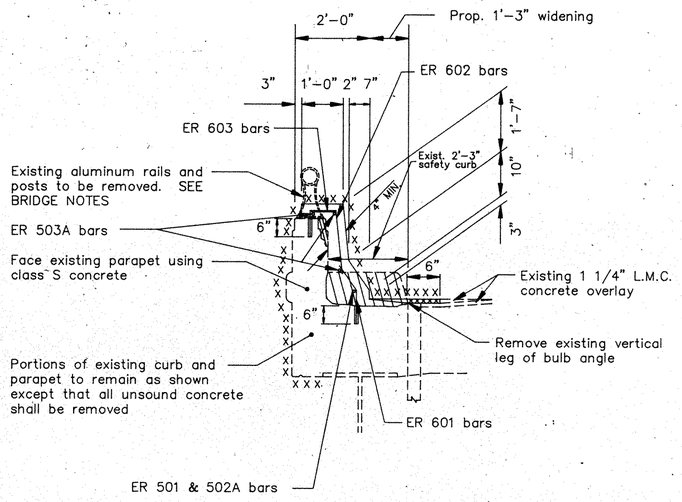
Area of existing L.M.C. overlay to be removed and replaced. Cost of removal to be included in Item 202 Portions of Structures Removed.

NOTE:
FOR DETAILS NOT SHOWN SEE STD. CONSTR. DWG. BR-1

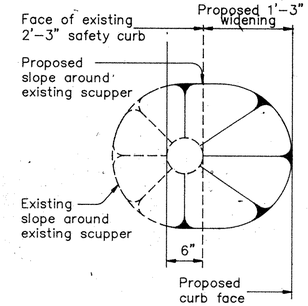
* Saw cut along edge of proposed area of existing L.M.C. overlay replacement. Cost of sawing to be included in price bid for proposed replacement material.

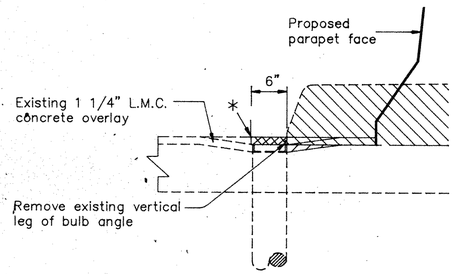


SECTION B-B

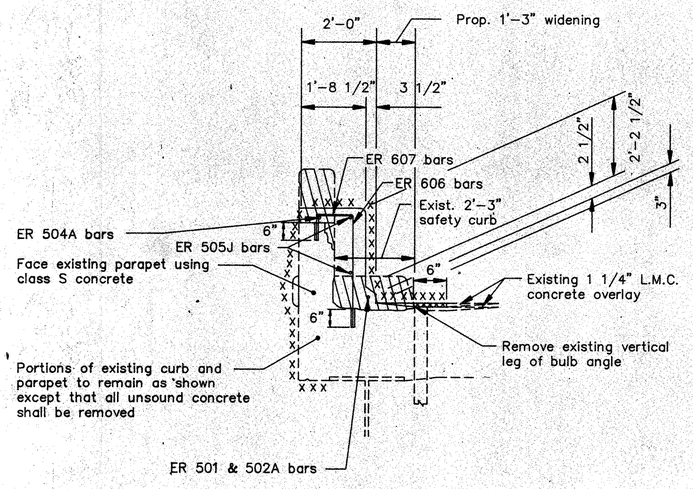


SECTION A-A

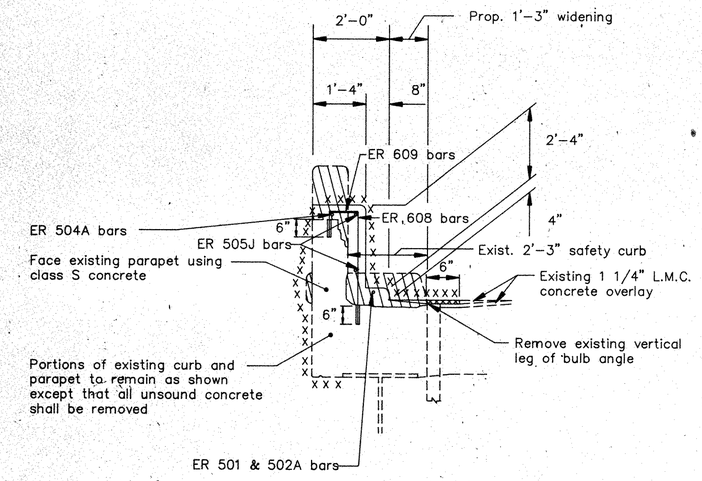




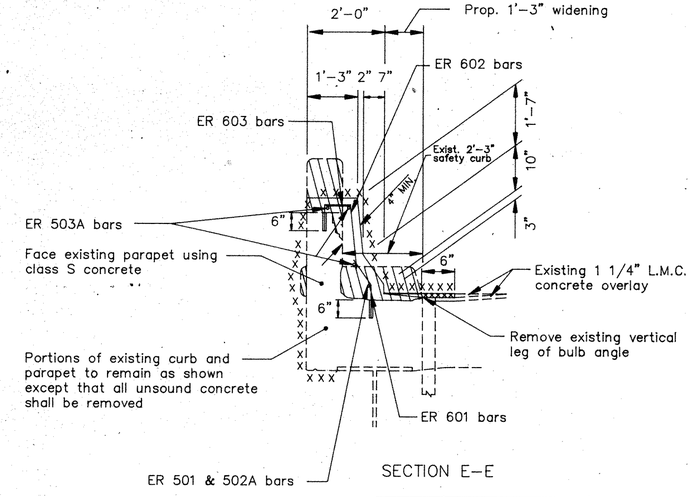
SCUPPER MODIFICATION DETAIL



SECTION C-C



SECTION D-D



SECTION E-E

FOR LOCATIONS OF SECTIONS A-A, B-B, C-C, D-D and E-E SEE SHEET 10/32

FOR ELEVATION VIEWS F-F AND G-G SEE SHEET 11/32

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
DIVISION OF DESIGN AND CONSTRUCTION
BUREAU OF BRIDGES

12/32

PARAPET MODIFICATION DETAILS
BRIDGE NO. AUG-75-0515 L&R
I.R.-75 OVER AETEK TRACKS

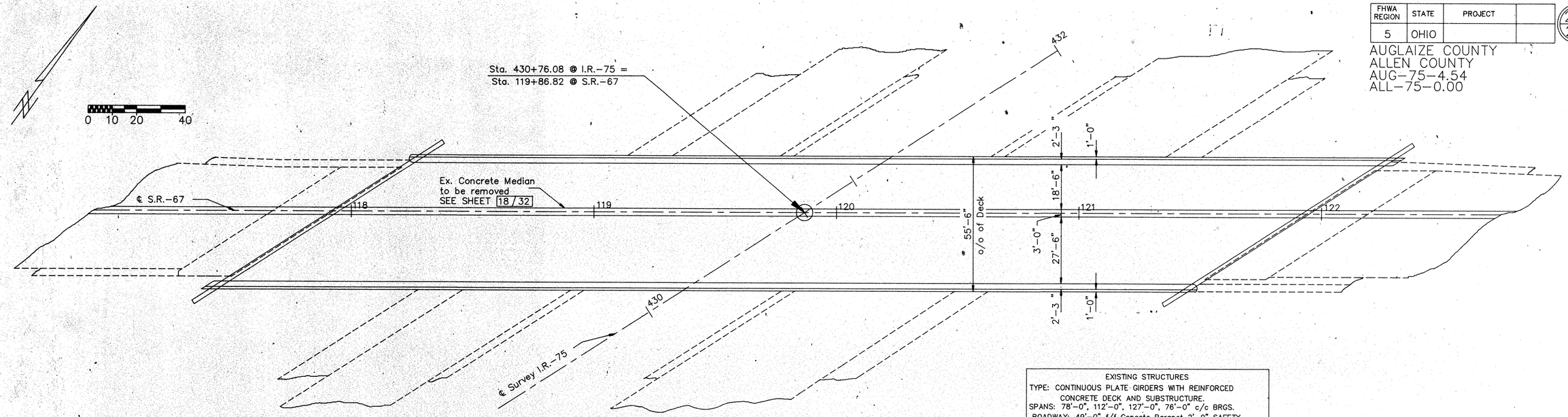
PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEYED INFO. FROM EXIST. PLANS	DRAWN INFO. FROM EXIST. PLANS	DESIGNED JTS 7/91	DRAWN TAK 8/91	CHECKED	REVIEWED

A:AU75BR6 19920218

FHWA REGION	STATE	PROJECT	
5	OHIO		

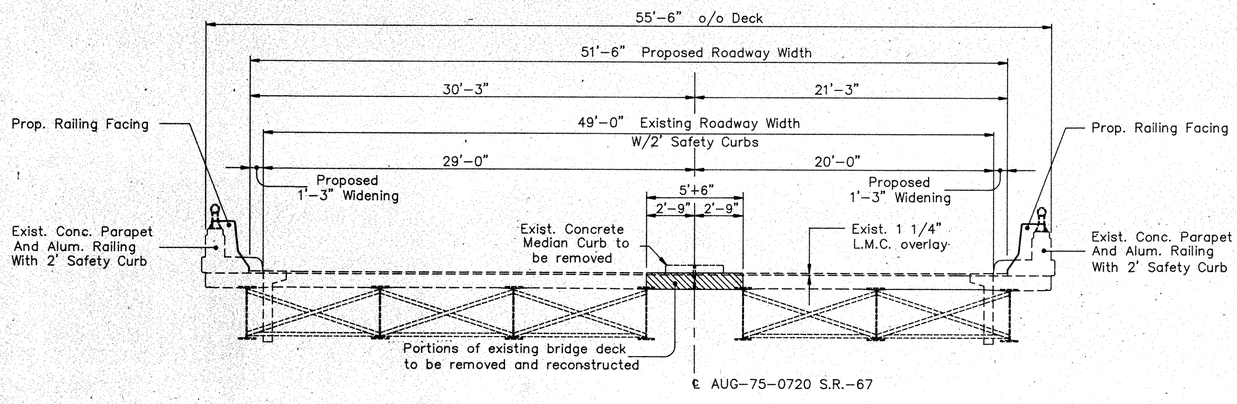
212/231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00



PLAN

EXISTING STRUCTURES
TYPE: CONTINUOUS PLATE GIRDERS WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE.
SPANS: 78'–0", 112'–0", 127'–0", 76'–0" c/c BRGS.
ROADWAY: 49'–0" f/f Concete Parapet 2'–0" SAFETY CURBS (INCLUDING CONCRETE MEDIAN)
LOAD FREQUENCY: CF 130(51)
WEARING SURFACE: 3/4" MONOLITHIC CONCRETE; 1 1/4" LMC
APPROACH SLABS: AS–1–54 (25' LONG)
SKEW: 57'–16'–15" L.Fwd..
ALIGNMENT: TANGENT.



TRANSVERSE SECTION

AUG–75–0720/AUG–67–0345
REQUIRED WORK

1. Remove and store existing aluminum railing.
2. Patch abutments and piers as directed by the Engineer.
3. Modify wingwalls and abutments.
4. Reface parapets on bridge deck and construct parapets on wingwalls.
5. Modify scuppers and place latex modified concrete overlay (1 1/4") within widening area on bridge deck.
6. Remove concrete median, remove and reconstruct center portion of bridge deck and install longitudinal bridge deck seal.
7. Seal joints and concrete surfaces.
8. Paint structural steel.

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

13/32

GENERAL PLAN AND
TRANSVERSE SECTION
BRIDGE NO. AUG–75–0720
S.R.–67 OVER I.R.–75

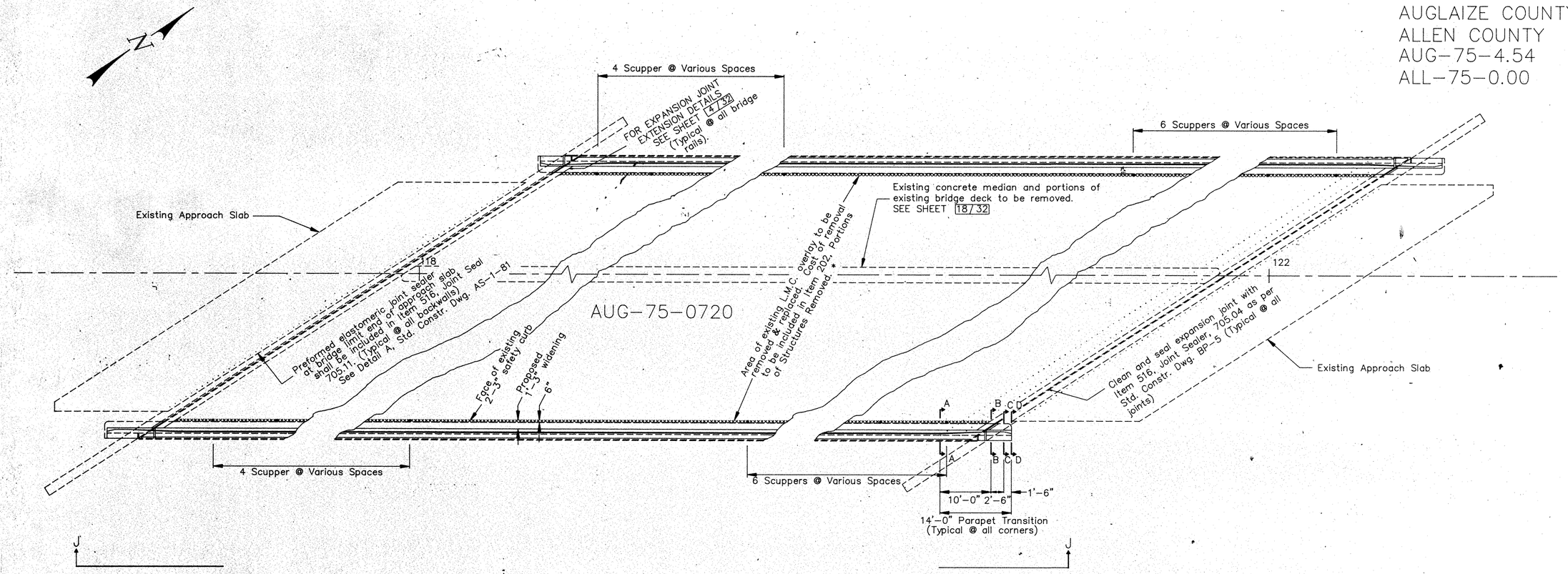
PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEYED INFO. FROM EXIST. PLANS	DRAWN INFO. FROM EXIST. PLANS	DESIGNED	DRAWN	CHECKED	REVIEWED
		JTS 8/91	CLT 9/91		

A:AU75BR9 19920218

FHWA REGION	STATE	PROJECT	
5	OHIO		

213/231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00



PARAPET MODIFICATION DETAIL

FOR ELEVATION A–A, B–B, C–C, D–D SEE SHEET 17/32

FOR ELEVATION J–J SEE SHEET 16/32

FOR BRIDGE RAIL FACING DETAILS SEE SHEET 13/32

* Saw cut along edge of proposed area of existing L.M.C. overlay replacement. Cost of sawing to be included in price bid for proposed replacement material.

A:AU75BR10 19920218

14/32

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

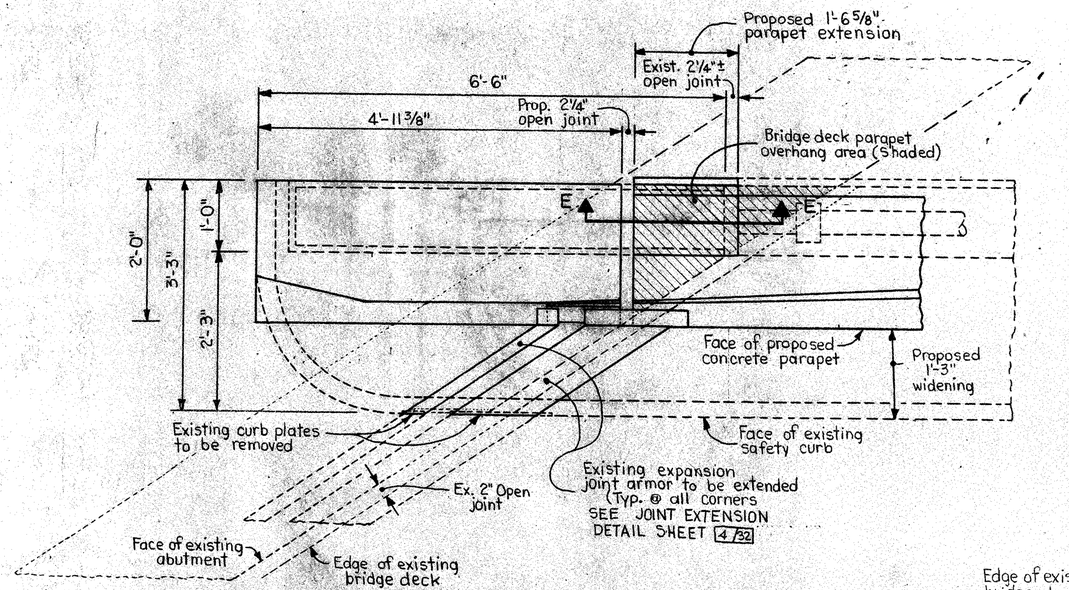
PARAPET MODIFICATION DETAILS
BRIDGE NO. AUG–75–0720
S.R. 67 OVER I.R. 75

PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEYED INFO. FROM EXIST. PLANS	DRAWN INFO. FROM EXIST. PLANS	DESIGNED	DRAWN	CHECKED	REVIEWED
		JTS 8/91	MEF 9/91		

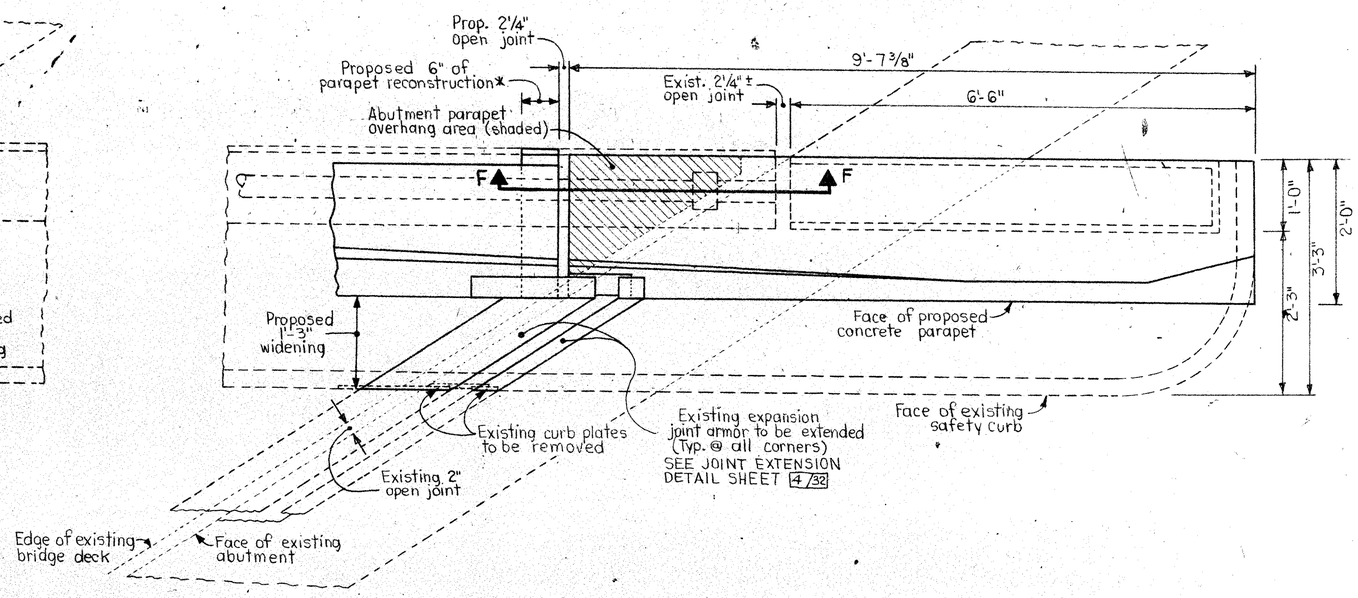
AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

FHWA REGION	STATE	PROJECT	
5	OHIO		

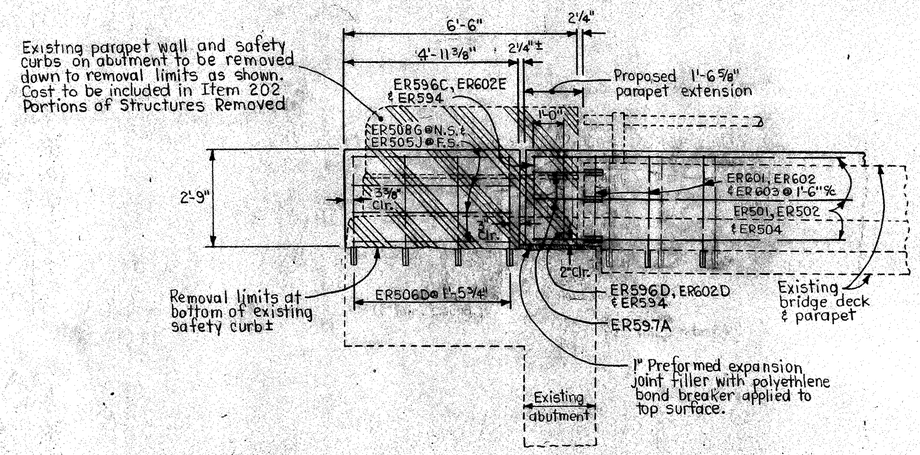
214
231



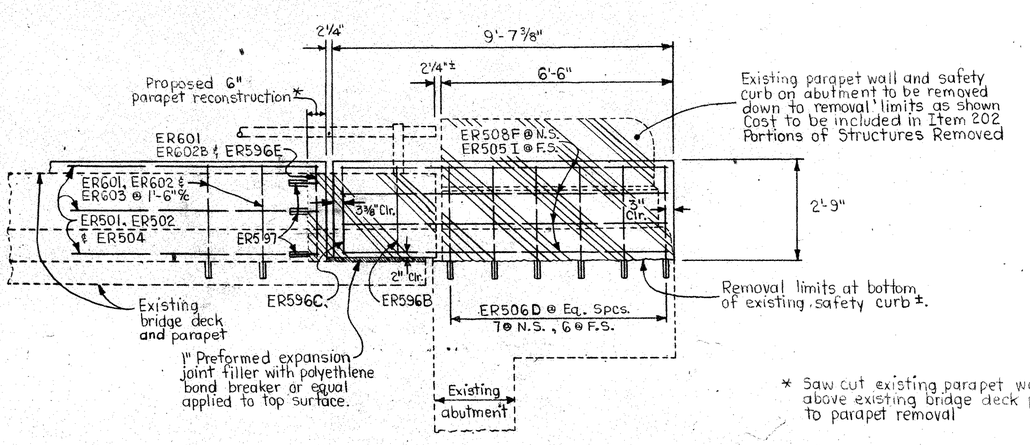
PARTIAL PARAPET PLAN
(Typical @ left rear & right forward corners)



PARTIAL PARAPET PLAN
(Typical @ right rear & left forward corners)



SECTION E-E



SECTION F-F

* Saw cut existing parapet wall above existing bridge deck prior to parapet removal

NOTE: Proposed reinforcing steel to be doweled into existing wingwall and bridge deck and parapet a minimum of 6". Actual location of dowel holes may be adjusted as directed by the Engineer to avoid conflict with existing reinforcing steel.

LEGEND
Portions of existing railing curbs and parapet walls to be removed.

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

15/32

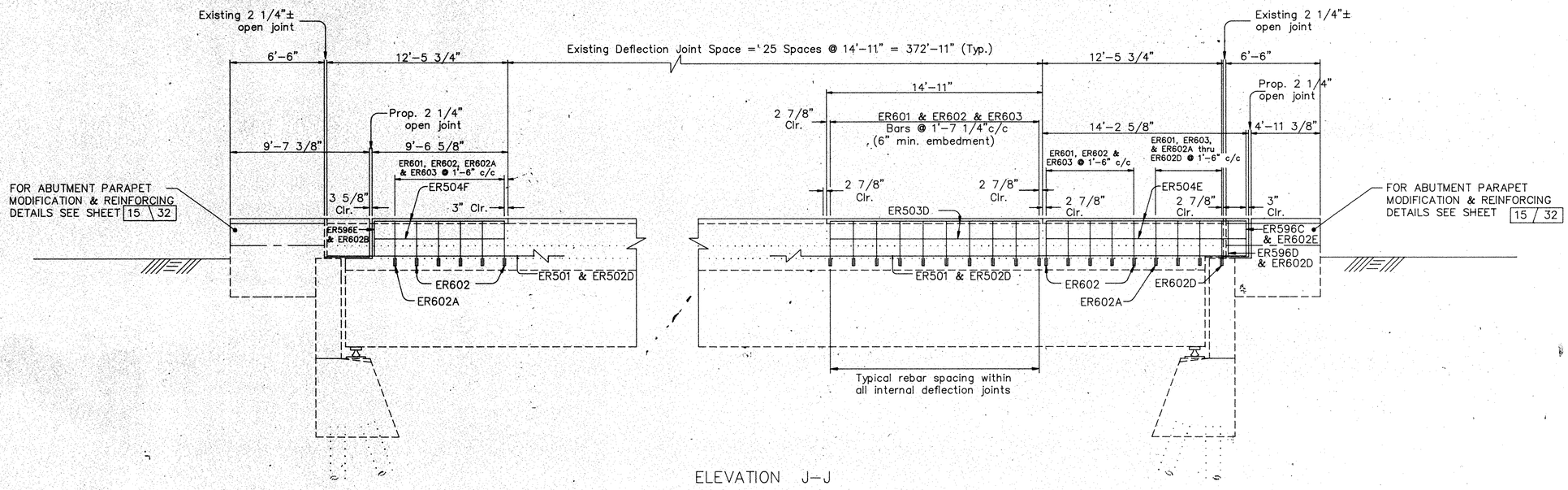
PARAPET MODIFICATION DETAILS.
BRIDGE NO. AUG-75-0720
S.R.-67 OVER IR-75

PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEYED INFO. FROM EXIST. PLANS	DRAWN INFO. FROM EXIST. PLANS	DESIGNED	DRAWN	CHECKED	REVIEWED
		JTS 8/91	JTS 8/91	MEF 8/91	

FHWA REGION	STATE	PROJECT	
5	OHIO		

215
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00



ELEVATION J–J

(Typical at both rails)
Right rail shown

NOTE: Proposed reinforcing steel to be doweled into existing wingwall, and bridge deck and parapet a minimum of 6". Actual location of dowel holes may be adjusted as directed by the Engineer to avoid conflict with existing reinforcing steel.

16 / 32

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

PARAPET ELEVATIONS

BRIDGE NO. AUG–75–0720
S.R.–67 OVER I.R. 75

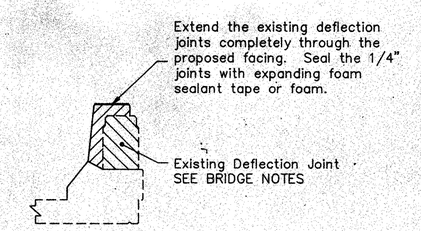
PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEYED INFO. FROM EXIST. PLANS	DRAWN INFO. FROM EXIST. PLANS	DESIGNED	DRAWN	CHECKED	REVIEWED
		JTS 7/91	CLT 8/91		

A:AU75BR11 19910909

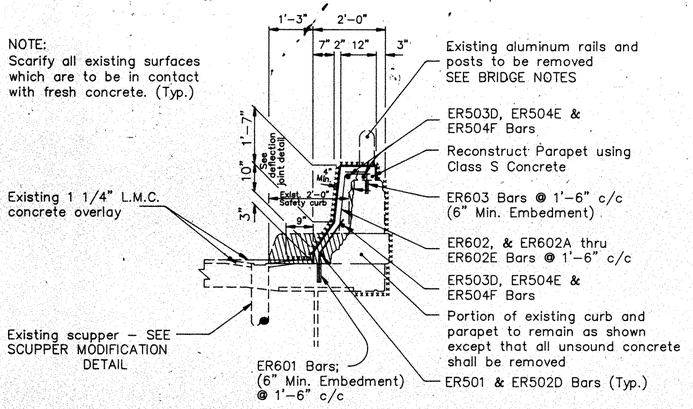
FHWA REGION	STATE	PROJECT	
5	OHIO		

216
231

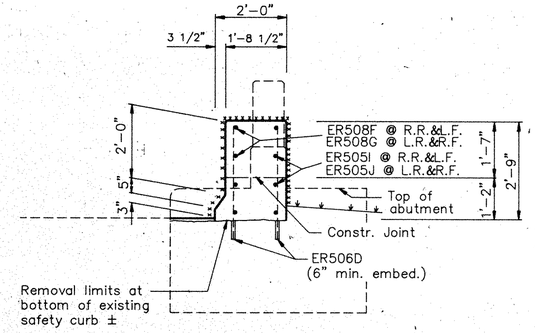
AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00



DEFLECTION JOINT DETAIL

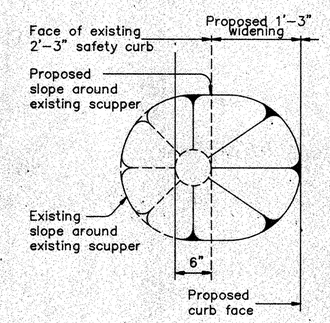


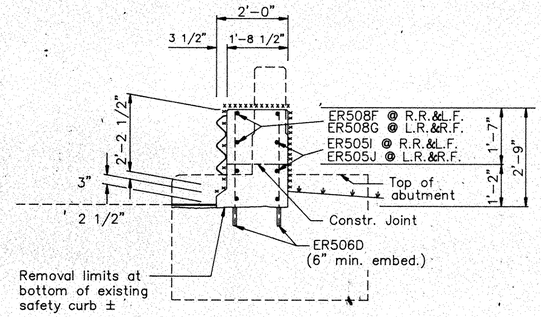
SECTION A–A



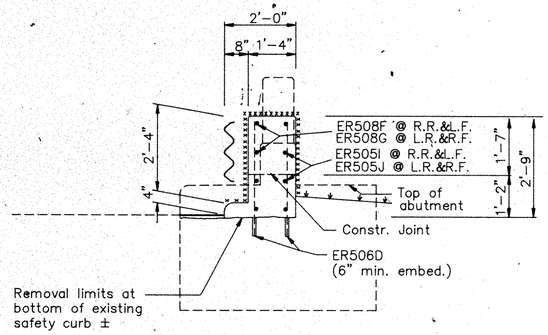
SECTION B–B

NOTE:
FOR DETAILS NOT SHOWN SEE STD. CONSTR. DWG. BR–1

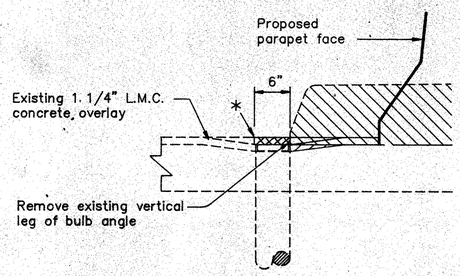




SECTION C–C



SECTION D–D



SCUPPER MODIFICATION DETAIL

LEGEND

X X X X X X	Surfaces to be sealed under Item Special Sealing of Concrete Surfaces
	Existing curb (and portion of parapet wall if necessary) to be removed under Item 202, Portions of Structures Removed.
	Area of existing L.M.C. overlay to be removed and replaced. Cost of removal to be included in Item 202 Portions of Structures Removed.

* Saw cut along edge of proposed area of existing L.M.C. overlay replacement. Cost of sawing to be included in price bid for proposed replacement material.

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STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

PARAPET SECTIONAL VIEWS AND DETAILS

BRIDGE NO. AUG–75–0720
S.R. 67 OVER I.R. 75

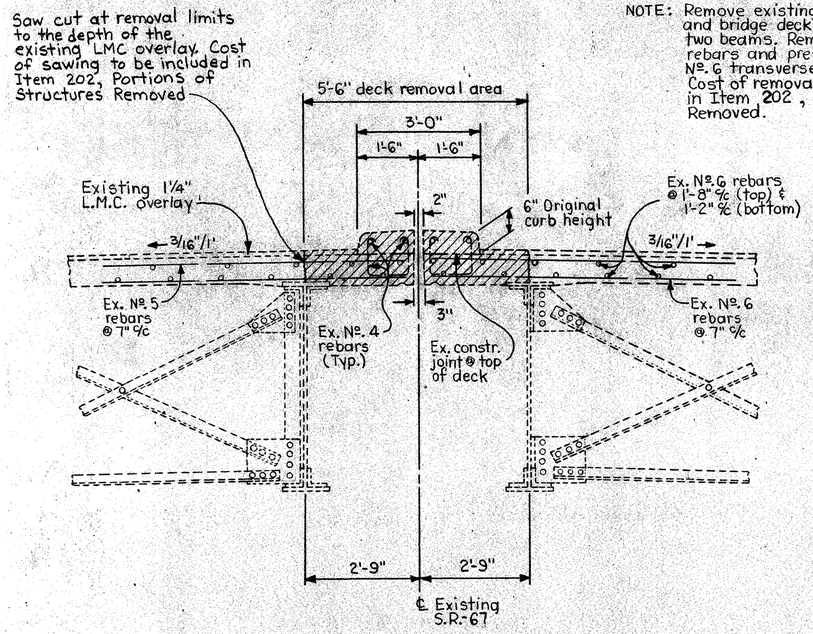
PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEYED INFO. FROM EXIST. PLANS	DRAWN INFO. FROM EXIST. PLANS	DESIGNED JTS 8/91	DRAWN CLT 9/91	CHECKED	REVIEWED

A:AU75BR19 19920219

FHWA REGION	STATE	PROJECT	
5	OHIO		

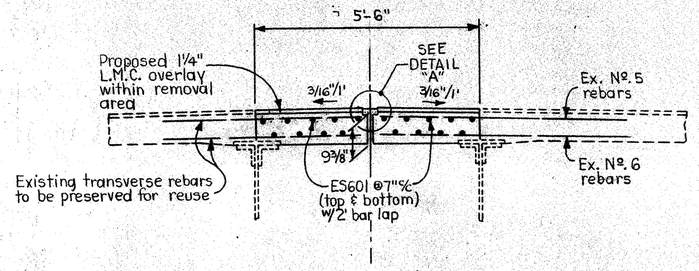
217
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

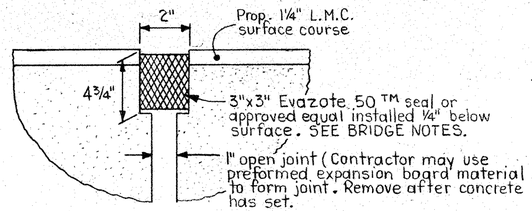


NOTE: Remove existing concrete median and bridge deck between inside two beams. Remove existing Nº. 4 rebars and preserve existing Nº. 5 & Nº. 6 transverse rebars for reuse. Cost of removal shall be included in Item 202, Portions of Structures Removed.

CONCRETE MEDIAN & DECK REMOVAL DETAIL



DECK REPLACEMENT DETAIL



DETAIL "A"

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

18/32

CONCRETE MEDIAN REMOVAL AND REPLACEMENT DETAIL

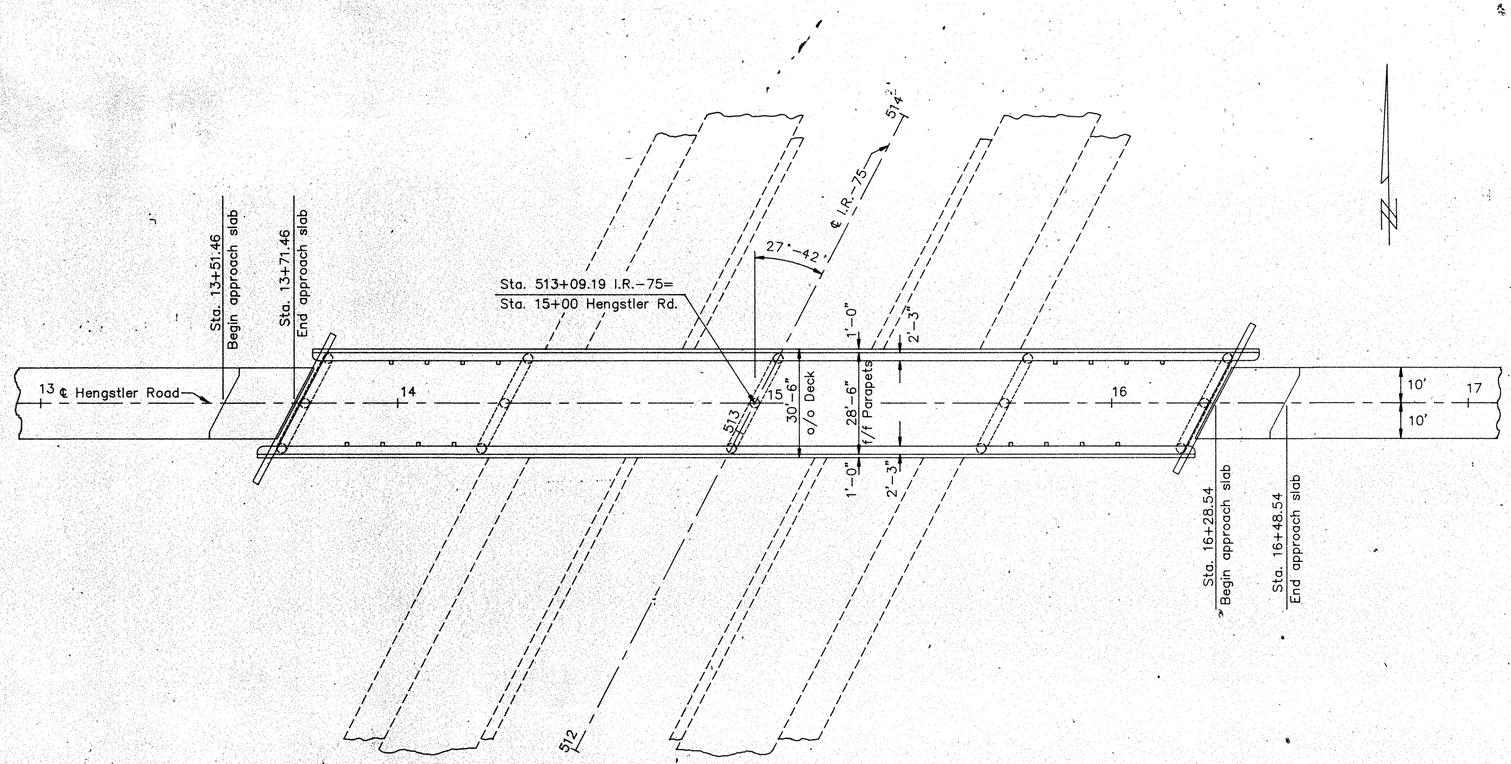
BRIDGE NO. AUG-75-0720
S.R.-67 OVER I.R.-75

PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEYED INFO. FROM EXIST. PLANS	DRAWN INFO. FROM EXIST PLANS	DESIGNED	DRAWN	CHECKED	REVIEWED
		JTS 8/91	JTS 8/91	MEF 8/91	

FHWA REGION	STATE	PROJECT		
5	OHIO			

218
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00

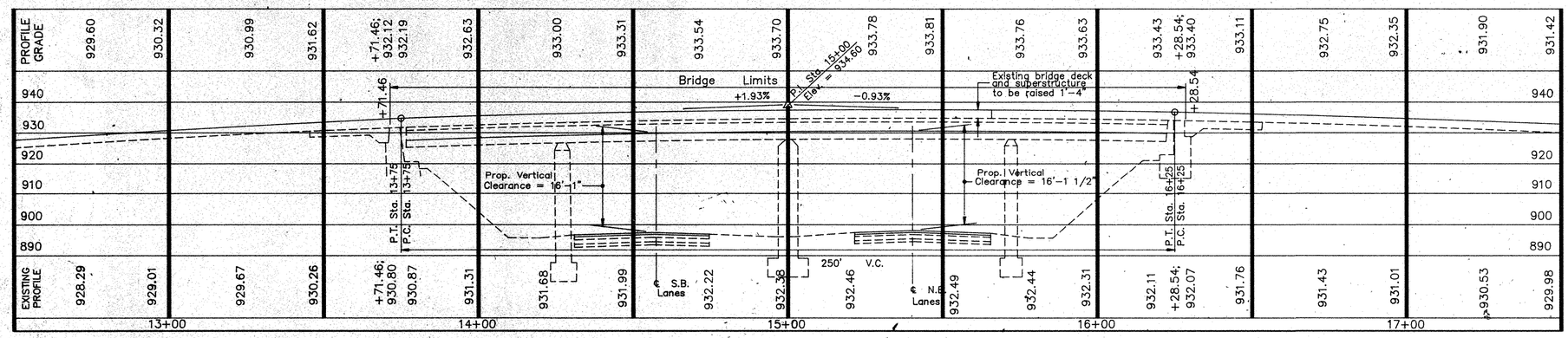


PLAN

0 10 20 40

AUG–75–0876 REQUIRED WORK

1. Remove and store existing aluminum railing
2. Raise existing superstructure and provide temporary support as per plan notes and details.
3. Modify backwalls and beam seats on abutments and pier caps.
4. Refurbish existing bearings or install new bearing devices.
5. Lower superstructure into place on refurbished bearings.
6. Modify wingwalls.
7. Reface parapets on bridge deck and construct new parapets on wingwalls.
8. Modify scuppers and place latex modified concrete overlay (1 1/4") within widening area on bridge deck.
9. Construct new approach slabs (AS–1–81)
10. Seal joints and concrete surfaces.



PROFILE ALONG ℄ HENGSTLER ROAD

EXISTING STRUCTURE
TYPE: Continuous steel beam with reinforced concrete deck & substructure
SPANS: 56'–70'–70'–56' c/c Brgs.
R'DWAY. WIDTH: 24'–0" f/f 2' safety curbs
LOADING: CF–30 (51)
SKEW: 27°–42' Lt. Fwd.
APPR. SLABS: AS–1–54 (20' long)
ALIGNMENT: Tangent
WEARING SURFACE: 1" Mono. Concrete(Orig.)

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STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND
TRANSVERSE SECTION

BRIDGE NO. AUG–75–0876
HENGSTLER ROAD OVER I.R. 75

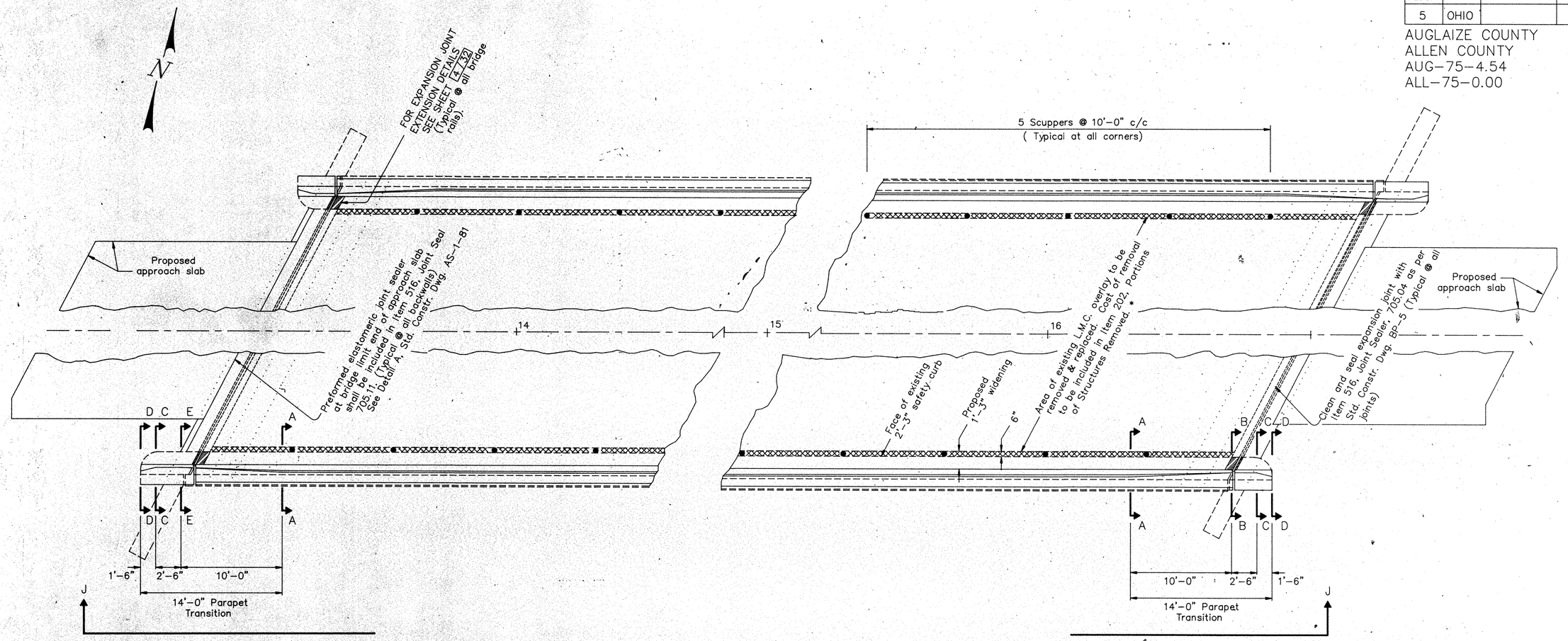
PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEYED INFO. FROM EXIST. PLANS	DRAWN INFO. FROM EXIST. PLANS	DESIGNED	DRAWN	CHECKED	REVIEWED
		JTS 7/91	CLT 8/91		

A:AU75BR15 19920219

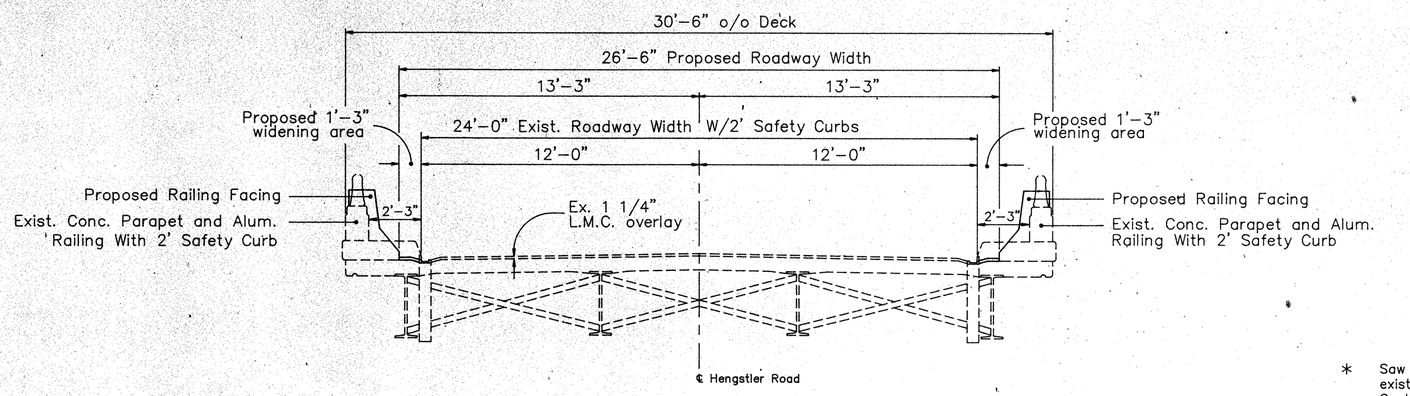
FHWA REGION	STATE	PROJECT	
5	OHIO		

219/231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00



APPROACH SLAB AND PARAPET MODIFICATION DETAIL



TRANSVERSE SECTION

* Saw cut along edge of proposed area of existing L.M.C. overlay replacement. Cost of sawing to be included in price bid for proposed replacement material.

FOR BACKWALL MODIFICATION DETAILS SEE SHEET 4/32

FOR ELEVATION A–A, B–B, C–C, D–D and E–E SEE SHEET 23/32

FOR ELEVATION J–J SEE SHEET 22/32

FOR BRIDGE RAIL FACING DETAILS SEE SHEET 19/32

20/32

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

APPROACH SLAB AND WINGWALL MODIFICATION DETAILS

BRIDGE NO. AUG–75–0876
HENGSTLER ROAD OVER I.R. 75

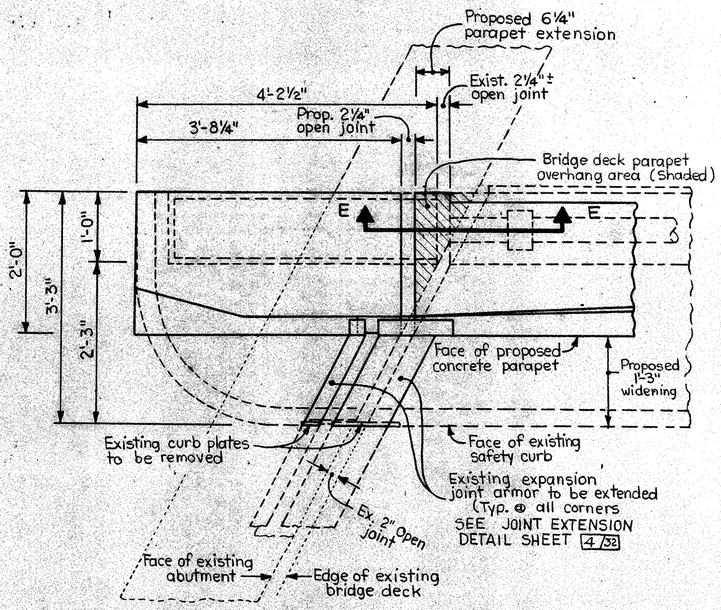
PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEYED INFO. FROM EXIST. PLANS	DRAWN INFO. FROM EXIST. PLANS	DESIGNED	DRAWN	CHECKED	REVIEWED
		JTS 7/91	CLT 8/91		

A:AU75BR16 19920220

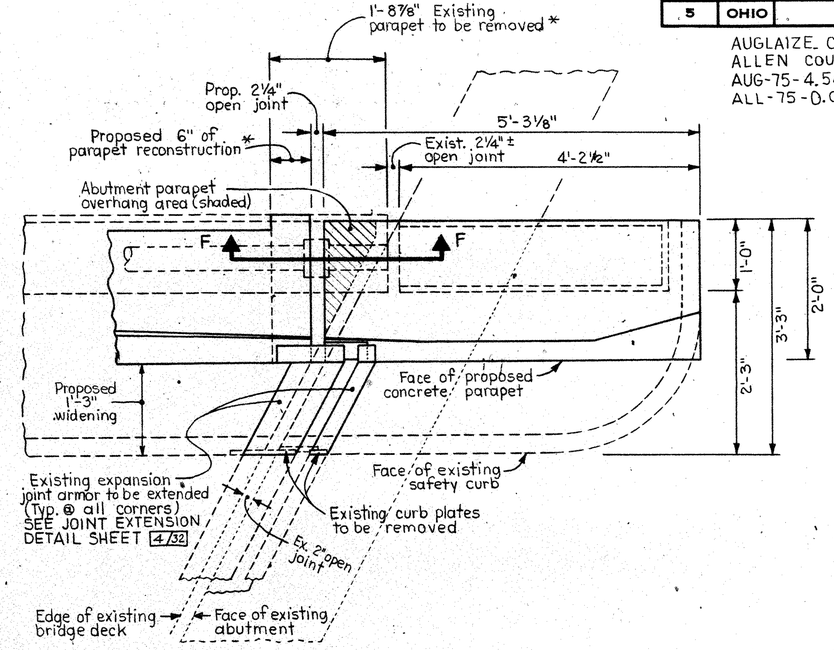
FHWA REGION	STATE	PROJECT	
5	OHIO		

220
231

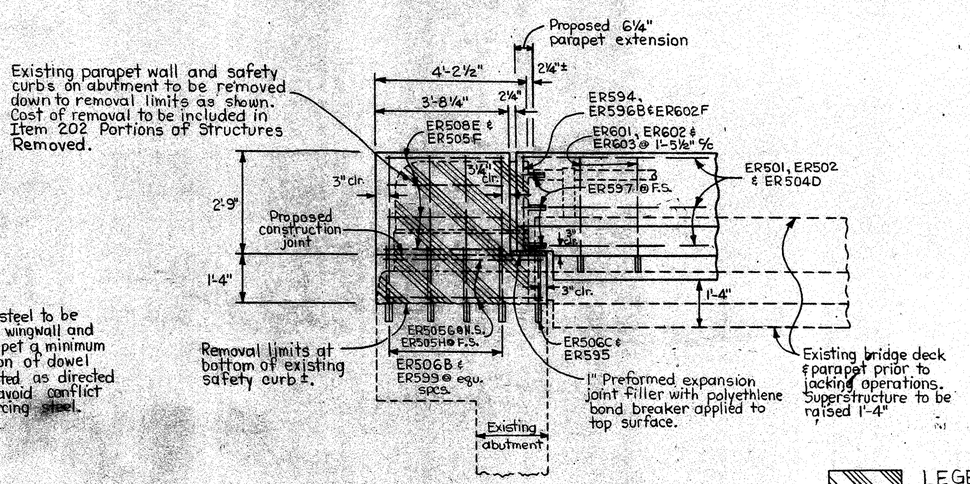
AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00



PARTIAL PARAPET PLAN
(Typical @ left rear & right forward corners)



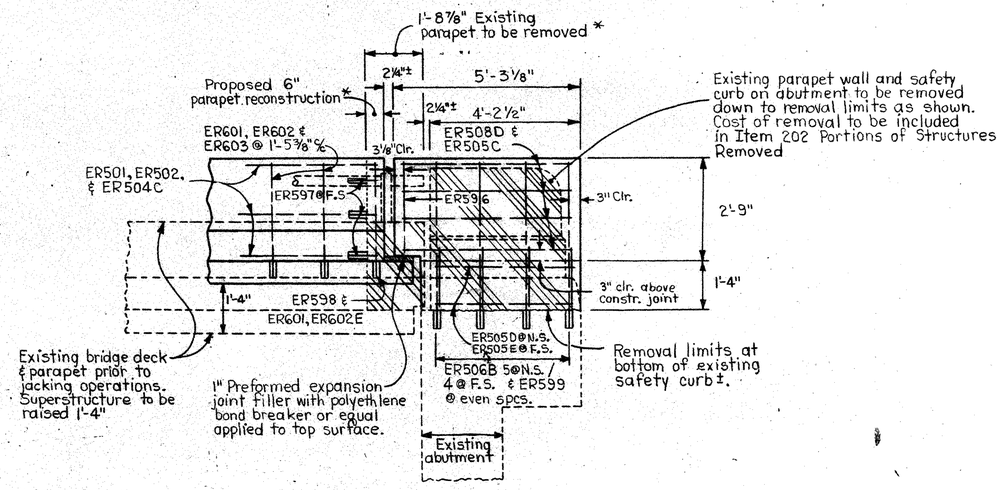
PARTIAL PARAPET PLAN
(Typical @ right rear & left forward corners)



NOTE: Proposed reinforcing steel to be doweled into existing wingwall and bridge deck and parapet a minimum of 6". Actual location of dowel holes may be adjusted as directed by the Engineer to avoid conflict with existing reinforcing steel.

SECTION E-E

LEGEND
Portions of existing railing curbs and parapet walls to be removed.



SECTION F-F

* Saw cut existing parapet wall above existing bridge deck prior to parapet removal as shown.

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

21/32

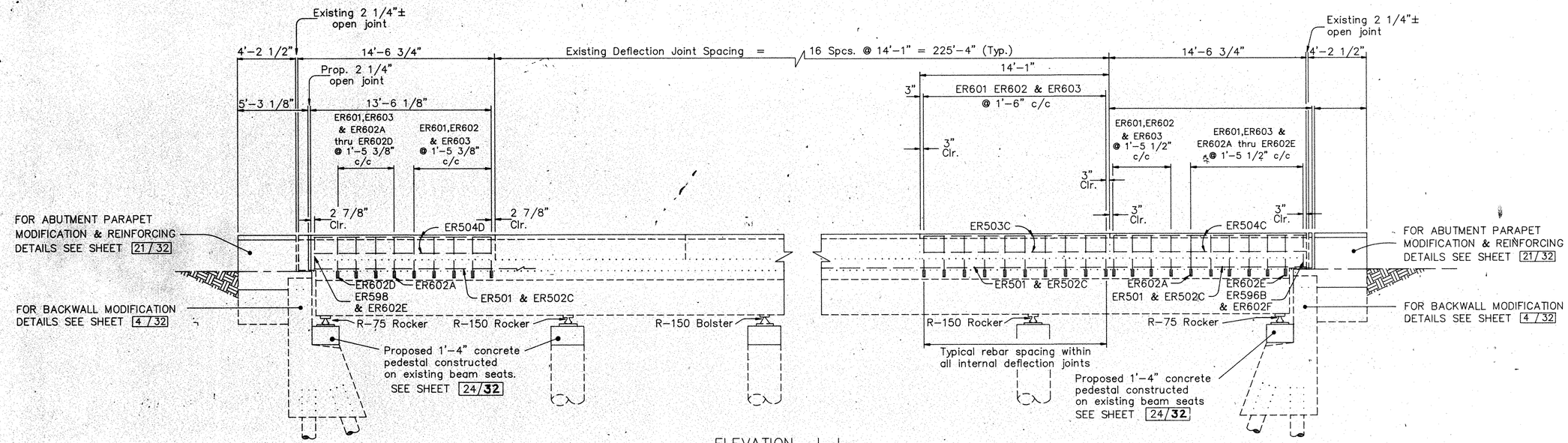
PARAPET MODIFICATION DETAILS
BRIDGE NO. AUG-75-0876
HENGSTLER ROAD OVER I.R.-75

PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEYED INFO. FROM EXIST PLANS	DRAWN	DESIGNED	DRAWN	CHECKED	REVIEWED
	CLT 8/91	JTS 8/91	CLT 8/91		

FHWA REGION	STATE	PROJECT	
5	OHIO		

221/231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00



ELEVATION J–J
(Typical at both rails)
Right rail shown

NOTE: Proposed reinforcing steel to be doweled into existing wingwall and bridge deck and parapet a minimum of 6". Actual location of dowel holes may be adjusted as directed by the Engineer to avoid conflict with existing reinforcing steel.

22/32

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

PARAPET ELEVATION

BRIDGE NO. AUG–75–0876
HENGSTLER ROAD OVER I.R. 75

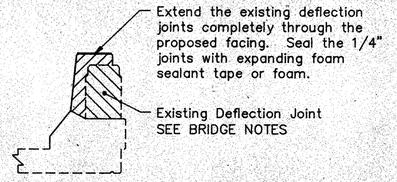
PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEYED INFO. FROM EXIST. PLANS	DRAWN INFO. FROM EXIST. PLANS	DESIGNED	DRAWN	CHECKED	REVIEWED
		JTS 7/91	CLT 8/91		

A:AU75BR17 19920219

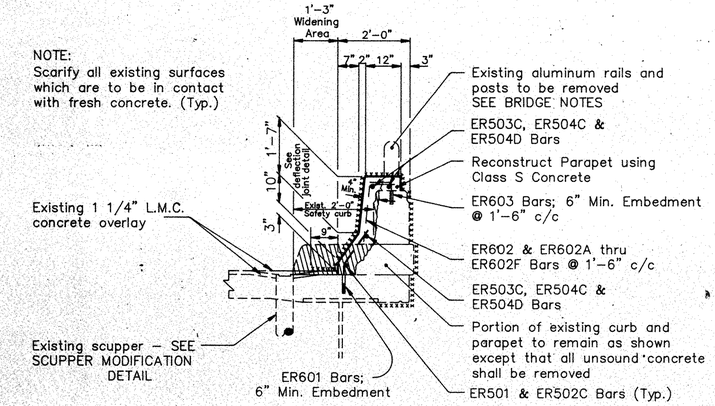
FHWA REGION	STATE	PROJECT	
5	OHIO		

222
231

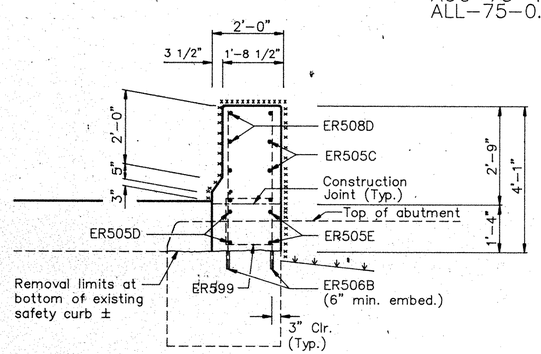
AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00



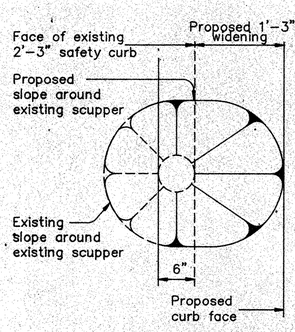
DEFLECTION JOINT DETAIL

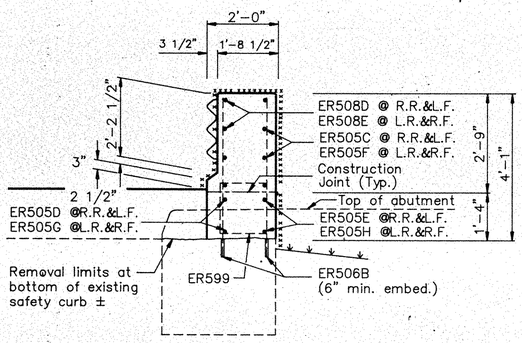


SECTION A–A

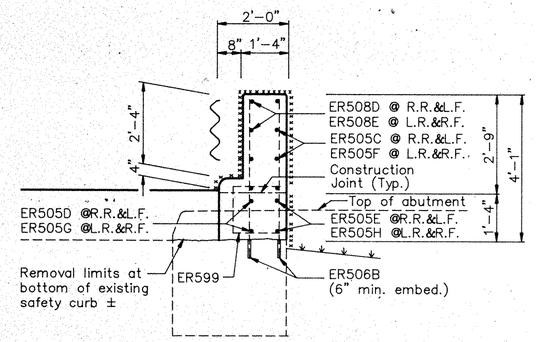


SECTION E–E

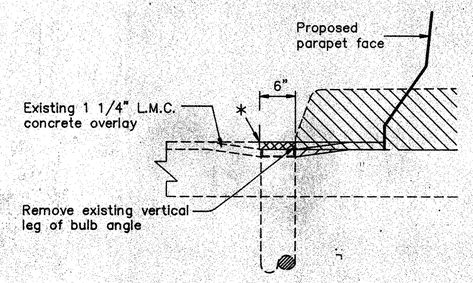




SECTION C–C



SECTION D–D



SCUPPER MODIFICATION DETAIL

LEGEND

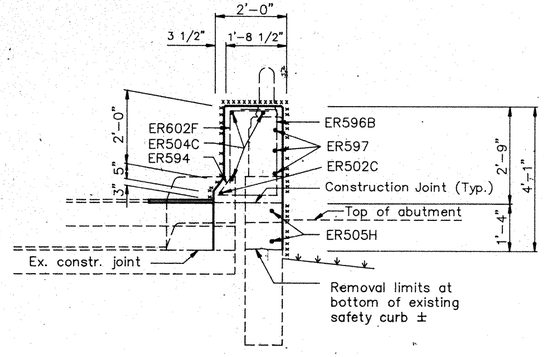
X X X X X X — Surfaces to be sealed under Item Special Sealing of Concrete Surfaces

Existing curb (and portion of parapet wall if necessary) to be removed under Item 202, Portions of Structures Removed.

Area of existing L.M.C. overlay to be removed and replaced. Cost of removal to be included in Item 202 Portions of Structures Removed.

NOTE:
FOR DETAILS NOT SHOWN SEE STD. CONSTR. DWG. BR–1

* Saw cut along edge of proposed area of existing L.M.C. overlay replacement. Cost of sawing to be included in price bid for proposed replacement material.



SECTION B–B

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

23 / 32

PARAPET SECTIONAL VIEWS AND DETAILS

BRIDGE NO. AUG–75–0876
HENGSTLER ROAD OVER I.R. 75

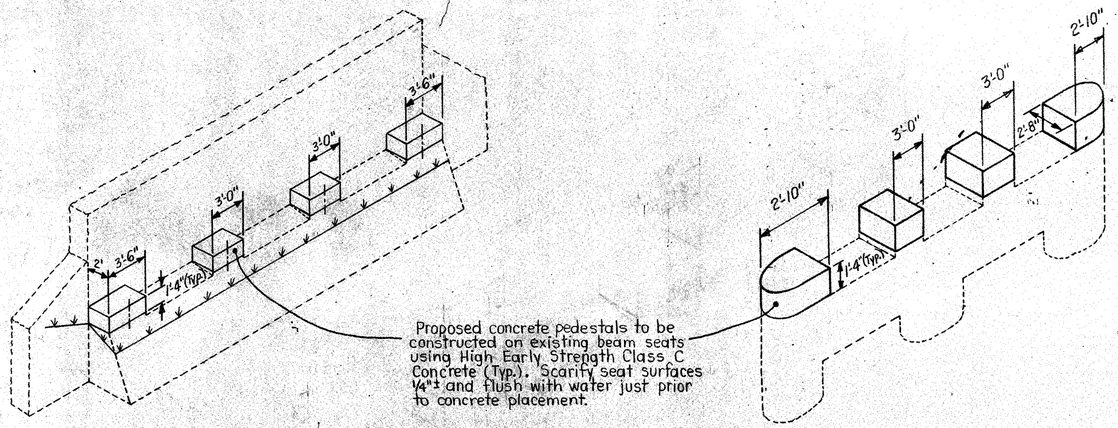
PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEYED INFO. FROM EXIST. PLANS	DRAWN INFO. FROM EXIST. PLANS	DESIGNED	DRAWN	CHECKED	REVIEWED
		JTS 7/91	CLT 8/91		

A:AU75BR18 19920219

FHWA REGION	STATE	PROJECT	
5	OHIO		

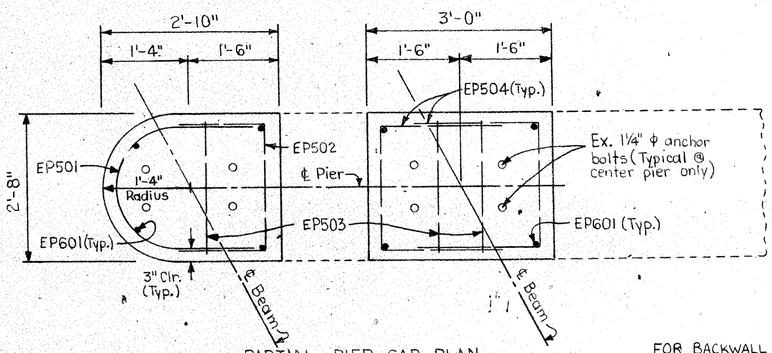
223
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00



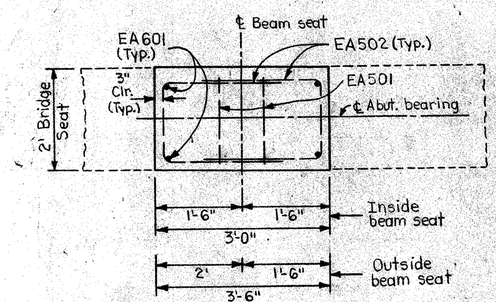
ABUTMENT VIEW

PIER CAP VIEW

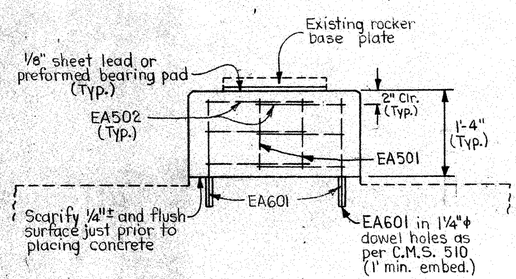


PARTIAL PIER CAP PLAN

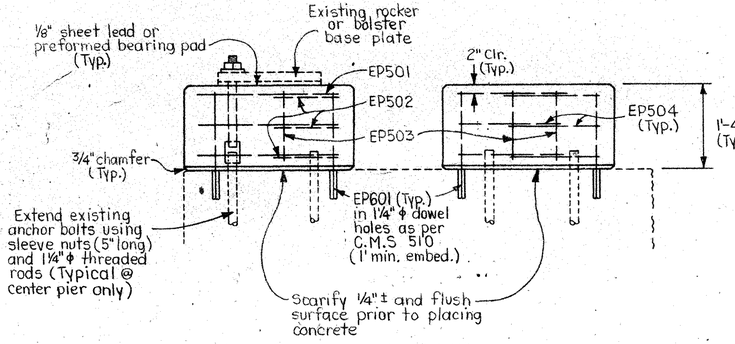
FOR BACKWALL MODIFICATION DETAILS SEE SHEET 4/32



PARTIAL ABUTMENT PLAN



PARTIAL ABUTMENT ELEVATION



PARTIAL PIER CAP ELEVATION

CONCRETE PEDESTAL DETAILS AT ABUTMENT

CONCRETE PEDESTAL DETAILS AT PIERS

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

24/32

CONCRETE PEDESTAL DETAILS

BRIDGE NO. AUG-75-0876
HENGSTLER ROAD OVER IR-75

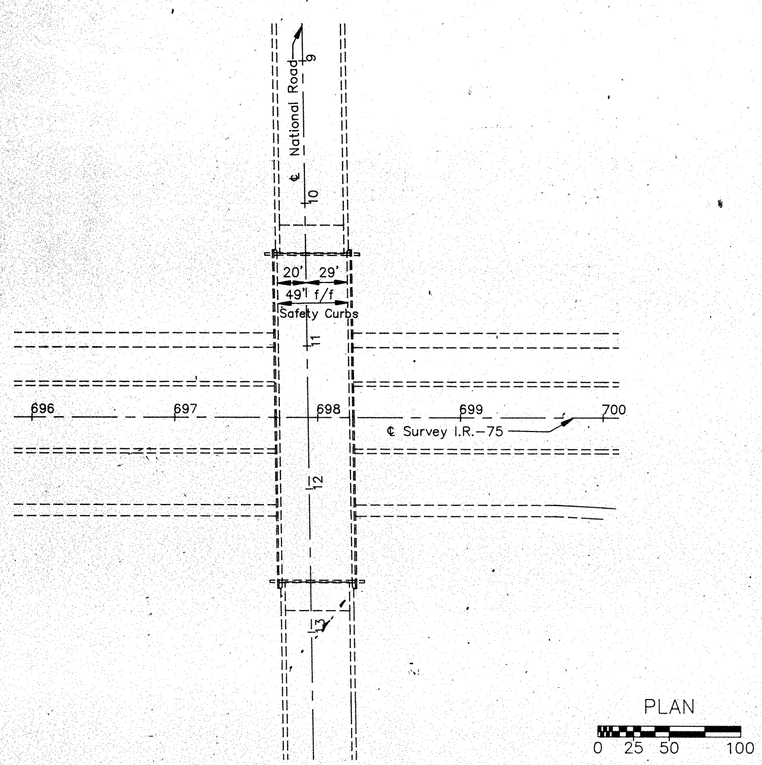
PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEYED INFO. FROM EXIST. PLANS	DRAWN INFO. FROM EXIST PLANS	DESIGNED	DRAWN	CHECKED	REVIEWED
		JTS 8/91	JTS 8/91	MEF 8/91	

FHWA REGION	STATE	PROJECT	
5	OHIO		

224
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00



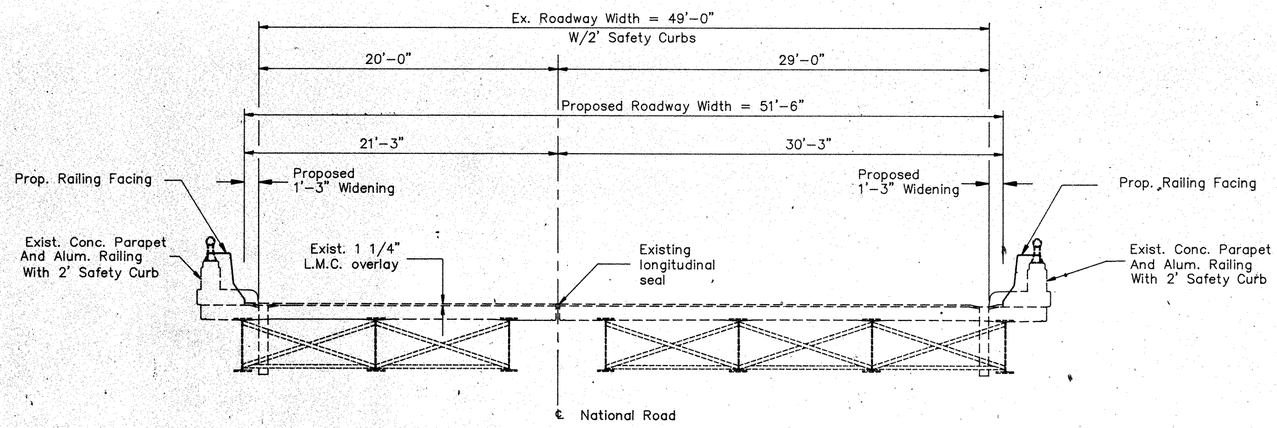


PLAN
0 25 50 100

AUG–75–1234 REQUIRED WORK

1. Remove and store existing aluminum railing
2. Patch existing abutments and piers as directed by the Engineer.
3. Modify wingwalls and abutments.
4. Reface parapets on bridge deck and construct parapets on wingwalls.
5. Modify scuppers and place latex modified concrete overlay (1 1/4") within widening area on bridge deck.
6. Seal joints and concrete surfaces.
7. Paint structural steel.

EXISTING STRUCTURES
TYPE: Continuous Steel Beams with Reinforced Concrete Deck and Substructure.
SPANS: 50'–0", 62–6", 62'–6", 50'–0" c/c BRGS.
ROADWAY: 49'–0" f/f Safety Curbs
Load Frequency: CF 400(51)
WEARING SURFACE: 1" Monolithic
APPROACH SLABS: AS–1–54 (20' Long)
SKEW: None
ALIGNMENT: Tangent.



TRANSVERSE SECTION

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
DIVISION OF DESIGN AND CONSTRUCTION
25 / 32

GENERAL PLAN AND
TRANSVERSE SECTION

BRIDGE NO. AUG–75–1234
NATIONAL ROAD OVER I.R. 75

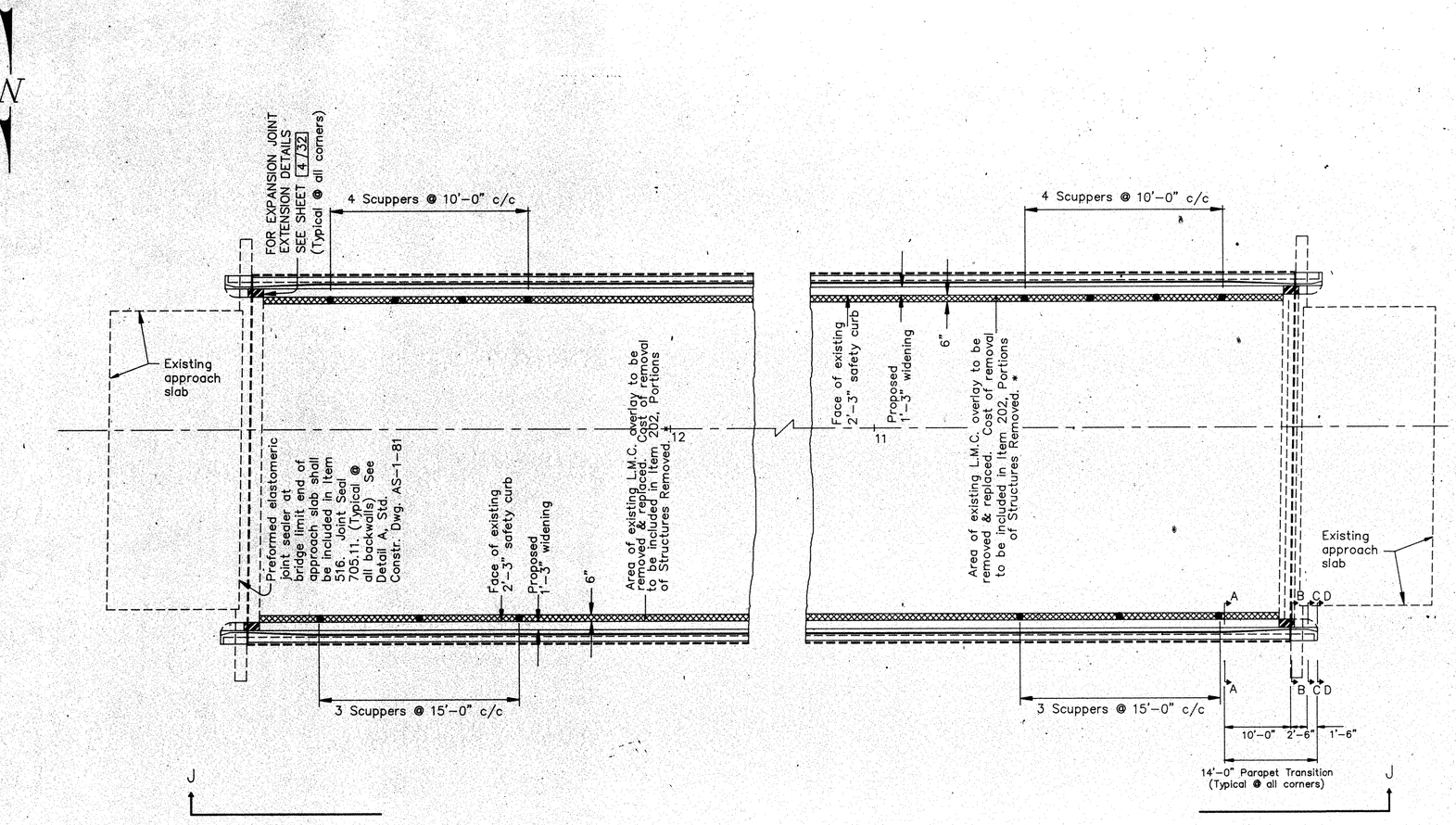
PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEYED INFO. FROM EXIST. PLANS	DRAWN INFO. FROM EXIST. PLANS	DESIGNED JTS 9/91	DRAWN MEF 10/91	CHECKED	REVIEWED

A:AU75BR12 19920219

FHWA REGION	STATE	PROJECT	
5	OHIO		

225
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00



PARAPET MODIFICATION DETAIL

0 5 10 20
Scale in Feet

* Saw cut along edge of proposed area of existing L.M.C. overlay replacement. Cost of sawing to be included in price bid for proposed replacement material.

FOR ELEVATION A–A, B–B, C–C, D–D SEE SHEET 28/32

FOR ELEVATION J–J SEE SHEET 27/32

FOR BRIDGE RAIL FACING DETAILS SEE SHEET 25/32

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
DIVISION OF DESIGN AND CONSTRUCTION

26 / 32

PARAPET MODIFICATION DETAILS
BRIDGE NO. AUG–75–1234
NATIONAL ROAD OVER I.R. 75

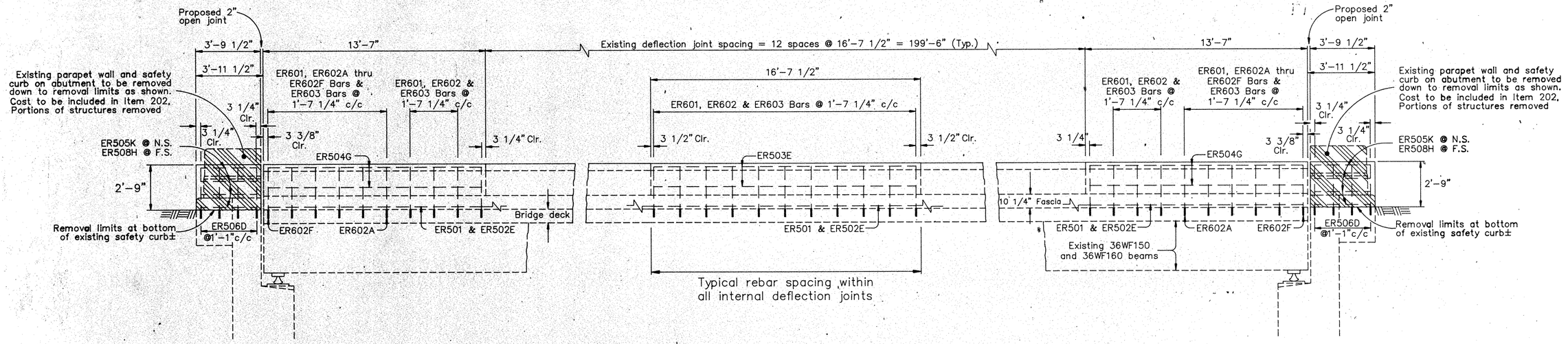
PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEYED INFO. FROM EXIST. PLANS	DRAWN INFO. FROM EXIST. PLANS	DESIGNED JTS 8/91	DRAWN CLT 9/91	CHECKED	REVIEWED

A:AU75BR13 19920218

FHWA REGION	STATE	PROJECT		
5	OHIO			

226
231

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00



ELEVATION J–J

(Typical at both rails)
Right rail shown

0 3 6
SCALE IN FEET

NOTE: Proposed reinforcing steel to be doweled into existing wingwall and bridge deck and parapet a minimum of 6". Actual location of dowel holes may be adjusted as directed by the Engineer to avoid conflict with existing reinforcing steel.

LEGEND

Portions of existing railings, curbs and parapet walls to be removed

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

27/32

RAILING ELEVATION
BRIDGE NO. AUG–75–1234
NATIONAL ROAD OVER I.R. 75

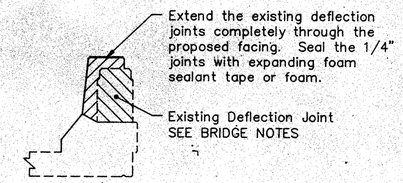
PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEYED INFO. FROM EXIST. PLANS	DRAWN INFO. FROM EXIST. PLANS	DESIGNED	DRAWN	CHECKED	REVIEWED
		JTS 7/91	TAK 8/91		

A:AU75BR14 19920218

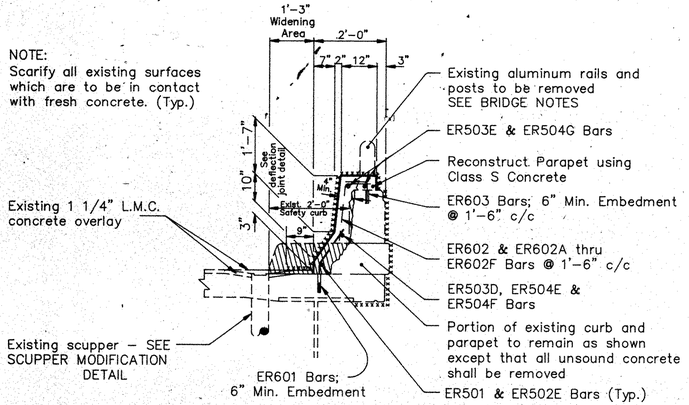
FHWA REGION	STATE	PROJECT	
5	OHIO		

227
231

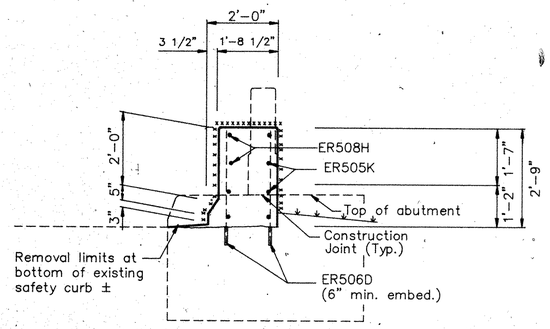
AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00



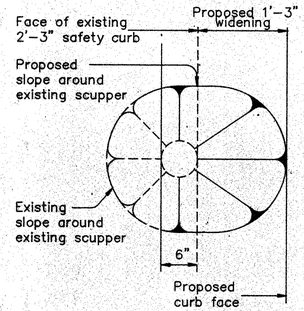
DEFLECTION JOINT DETAIL

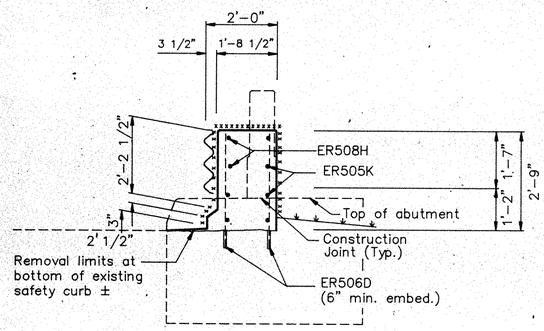


SECTION A–A

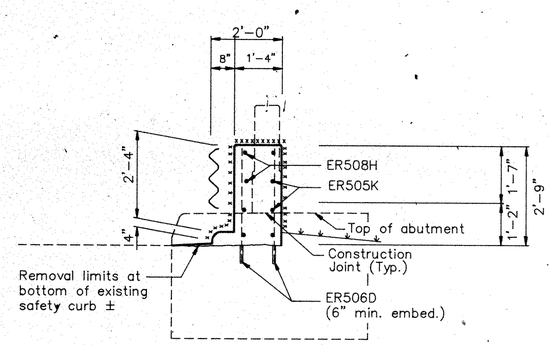


SECTION B–B

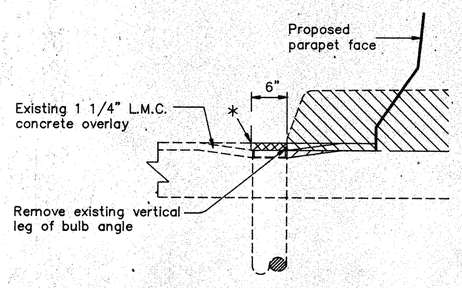




SECTION C–C



SECTION D–D



SCUPPER MODIFICATION DETAIL

LEGEND

X X X X X X — Surfaces to be sealed under Item Special Sealing of Concrete Surfaces

Existing curb (and portion of parapet wall if necessary) to be removed under Item 202, Portions of Structures Removed.

Area of existing L.M.C. overlay to be removed and replaced. Cost of removal to be included in Item 202 Portions of Structures Removed.

NOTE:
FOR DETAILS NOT SHOWN SEE STD. CONSTR. DWG. BR–1

* Saw cut along edge of proposed area of existing L.M.C. overlay replacement. Cost of sawing to be included in price bid for proposed replacement material.

28 / 32

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

PARAPET SECTIONAL VIEWS AND DETAILS

BRIDGE NO. AUG–75–1234
NATIONAL ROAD OVER I.R. 75

PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEYED INFO. FROM EXIST. PLANS	DRAWN INFO. FROM EXIST. PLANS	DESIGNED	DRAWN	CHECKED	REVIEWED
		JTS 7/91	CLT 8/91		

A:AU75BR20 19920219

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00

FHWA REGION	STATE	PROJECT	
5	OHIO		

228
231

REINFORCING STEEL LIST

BAR MARK	NO. OF BARS	BAR LENGTH	SHAPE	EPOXY COATED REINFORCING STEEL LBS.	LEFT RAILING	RIGHT RAILING
BRIDGE NO. AUG–75–0515 L						
ER501	8	30'–0"	Str.	251	4	4
ER502	2	29'–7"	Str.	62	1	1
ER503	48	13'–6"	Str.	676	24	24
ER504	6	15'–0"	Str.	94	2	4
ER505	6	14'–11"	Bent	93	4	2
ER601	202	1'–11"	Bent	582	96	106
ER602	174	2'–1"	"	545	82	92
ER603	174	1'–2"		305	82	92
ER604A	3	2'–6"		11	2	1
ER604B	3	2'–7"		12	2	1
ER604C	3	2'–8"		12	2	1
ER604D	3	2'–9"		12	2	1
ER604E	3	2'–9"		12	2	1
ER604F	3	2'–10"		13	2	1
ER604G	3	2'–11"		13	2	1
ER605A	3	1'–3"		6	2	1
ER605B	3	1'–4"		6	2	1
ER605C	3	1'–5"		7	2	1
ER605D	3	1'–6"		7	2	1
ER605E	3	1'–6"		7	2	1
ER605F	3	1'–7"		8	2	1
ER605G	3	1'–8"		8	2	1
ER606	6	3'–8"		33	4	2
ER607	6	1'–7"		14	4	2
ER608	3	3'–7"		16	2	1
ER609	3	1'–3	Bent	6	2	1
BRIDGE NO. AUG–75–0515 R						
ER501	8	30'–0"	Str.	251	4	4
ER502	2	29'–7"	Str.	62	1	1
ER503	48	13'–6"	Str.	676	24	24
ER504	6	15'–0"	Str.	94	4	2
ER505	6	14'–11"	Bent	93	2	4
ER601	202	1'–11"	Bent	582	106	96
ER602	174	2'–1"	"	545	92	82
ER603	174	1'–2"		305	92	82
ER604A	3	2'–6"		11	1	2
ER604B	3	2'–7"		12	1	2
ER604C	3	2'–8"		12	1	2
ER604D	3	2'–9"		12	1	2
ER604E	3	2'–9"		12	1	2
ER604F	3	2'–10"		13	1	2
ER604G	3	2'–11"		13	1	2
ER605A	3	1'–3"		6	1	2
ER605B	3	1'–4"		6	1	2
ER605C	3	1'–5"		7	1	2
ER605D	3	1'–6"		7	1	2
ER605E	3	1'–6"		7	1	2
ER605F	3	1'–7"		8	1	2
ER605G	3	1'–8"		8	1	2
ER606	6	3'–8"		33	2	4
ER607	6	1'–7"		14	2	4
ER608	3	3'–7"		16	1	2
ER609	3	1'–3	Bent	6	1	2
TOTAL				5,622		

REINFORCING STEEL LIST

BAR MARK	NO. OF BARS	BAR LENGTH	SHAPE	EPOXY COATED REINFORCING STEEL LBS.	LEFT RAILING	RIGHT RAILING
BRIDGE NO. AUG–75–0498 L						
ER501	16	30'–0"	Str.	501	8	8
ER502	2	14'–6"	"	31	1	1
ER503	12	13'–0"		163	6	6
ER504	84	15'–11"		1,395	42	42
ER505A	20	17'–9"		371	10	10
ER505B	10	14'–8"		153	5	5
ER506	96	3'–10"	Str.	384	48	48
ER507	42	4'–10"	Bent	212	21	21
ER508B	10	14'–8"	Bent	153	5	5
ER601	376	1'–11"	Bent	1,083	188	188
ER602	376	2'–1"	Bent	1,177	188	188
ER603	376	1'–2"	Bent	659	188	188
BRIDGE NO. AUG–75–0498 R						
ER501	16	30'–0"	Str.	501	8	8
ER502	2	14'–6"	"	31	1	1
ER503	12	13'–0"		163	6	6
ER504	84	15'–11"		1,395	42	42
ER505A	10	17'–9"		186	5	5
ER505B	15	14'–8"	"	230	10	5
ER506	96	3'–10"	Str.	384	48	48
ER507	39	4'–10"	Bent	197	21	18
ER508A	10	17'–9"	Bent	186	5	5
ER508B	5	14'–8"	Bent	77		5
ER601	376	1'–11"	Bent	1,083	188	188
ER602	376	2'–1"	Bent	1,177	188	188
ER603	376	1'–2"	Bent	659	188	188
TOTAL				12,551		

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

29 / 32

REINFORCING STEEL LIST

PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEYED INFO. FROM EXIST. PLANS	DRAWN INFO. FROM EXIST. PLANS	DESIGNED	DRAWN	CHECKED	REVIEWED
		JTS 10/91	CLT 11/91	MEF 11/91	

A:AU75RSL1 19920219

AUGLAIZE COUNTY
ALLEN COUNTY
AUG–75–4.54
ALL–75–0.00

FHWA REGION	STATE	PROJECT	
5	OHIO		

REINFORCING STEEL LIST

BAR MARK	NO. OF BARS	BAR LENGTH	SHAPE	EPOXY COATED REINFORCING STEEL LBS.		LT. FWD WINGWALL	LT. REAR WINGWALL	LEFT RAILING			REAR ABUTMENT	FORWARD ABUTMENT	PIERS		RT. FWD WINGWALL	RT. REAR WINGWALL	RIGHT RAILING
BRIDGE NO. AUG–75–0876																	
RAILING																	
ER501	16	30'–0"	Str.	501				8									8
ER502C	2	26'–9"	↑	56				1									1
ER503C	96	13'–7"		1,361				48									48
ER504C	12	14'–7"		183				6									6
ER504D	12	13'–0"		163				6									6
ER505C	8	4'–9"		39		4										4	
ER505D	4	4'–4"		19		2										2	
ER505E	4	3'–10"		16		2										2	
ER505F	8	3'–2"		27			4								4		
ER505G	4	3'–5"		15			2								2		
ER505H	4	4'–1"		18			2								2		
ER506B	34	4'–5"	↓	157		9	8								8	9	
ER506C	2	1'–8"	Str.	4			1								1		
ER508D	8	4'–9"	Bent	40		4										4	
ER508E	8	3'–3"	Bent	28			4								4		
ER594	2	1'–0"	Str.	3				1									1
ER595	2	4'–1"	Bent	9			1								1		
ER596	2	5'–0"	Bent	11		1										1	
ER596B	2	4'–10"	Bent	11				1									1
ER597	12	9"	Str.	10				6									6
ER598	2	4'–0"	Bent	9				1									1
ER599	16	4'–5"	Bent	74		4	4								4	4	
ER601	360	1'–10"	Bent	992				180									180
ER602	338	2'–2"	↑	1,100				169									169
ER602A	4	2'–5"		15				2									2
ER602B	4	2'–6"		16				2									2
ER602C	4	2'–7"		16				2									2
ER602D	4	2'–9"		17				2									2
ER602E	4	2'–11"		18				2									2
ER602F	2	3'–0"	↓	10				1									1
ER603	358	1'–3"	Bent	673				179									179
ABUTMENTS																	
EA501	16	3'–3"	Bent	55							8	8					
EA502	48	5'–11"	Bent	297							24	24					
EA601	32	1'–8"	Str.	81							16	16					
ED801	26	5'–4"	Bent	371													
EA602	40	3'–0"	Bent	181							20	20					
EA603	80	3'–10"	Bent	461							40	40					
EA504	24	15'–10"	Str.	397							12	12					
PIERS																	
EP601	48	1'–8"	Str.	121									48				
EP501	18	5'–7"	Bent	105									18				
EP502	18	4'–3"	↑	80									18				
EP503	18	3'–11"	↓	74									18				
EP504	36	6'–0"	Bent	226									36				
TOTAL				8,060													

REINFORCING STEEL LIST

BAR MARK	NO. OF BARS	BAR LENGTH	SHAPE	EPOXY COATED REINFORCING STEEL LBS.		LT. FWD WINGWALL	LT. REAR WINGWALL	LEFT RAILING							RT. FWD WINGWALL	RT. REAR WINGWALL	RIGHT RAILING
BRIDGE NO. AUG–75–0720																	
RAILING																	
ER501	26	30'–0"	Str.	814				13									13
ER502D	2	27'–9"	↑	58				1									1
ER503D	150	14'–5"		2,256				75									75
ER504E	6	13'–9"		87				3									3
ER504F	6	9'–0"		57				3									3
ER505I	8	9'–1"		76		4										4	
ER505J	8	4'–5"		37			4								4		
ER506D	42	3'–1"	Str.	136		13	8								8	13	
ER508F	8	9'–2"	Bent	77		4										4	
ER508G	8	4'–6"	Bent	38			4								4		
ER594	4	1'–0"	Str.	5				2									2
ER596B	2	4'–10"	Bent	11		1										1	
ER596C	4	4'–9"	↑	20		1		1								1	1
ER596D	2	4'–8"	↓	10				1									1
ER596E	2	4'–6"	Bent	10				1									1
ER597	6	9"	Str.	5				3									3
ER597A	6	1'–9"	Str.	11				3									3
ER601	532	1'–10"	Bent	1,465				266									266
ER602	520	2'–2"	↑	1,693				260									260
ER602A	4	2'–5"		15				2									2
ER602B	4	2'–6"		16				2									2
ER602C	2	2'–7"		8				1									1
ER602D	4	2'–9"		17				2									2
ER602E	2	2'–11"	↓	9				1									1
ER603	530	1'–3"	Bent	996				265									265
DECK																	
ES601	216	30'–0"	Str.	9,733													
ES602	18	29'–2"	Str.	789													
TOTAL				18,449													

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STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

REINFORCING STEEL LIST

PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEYED INFO. FROM EXIST. PLANS	DRAWN INFO. FROM EXIST. PLANS	DESIGNED	DRAWN	CHECKED	REVIEWED
		JTS 10/91	CLT 11/91	MEF 11/91	

A:AU75RSL2 19920219

FHWA REGION	STATE	PROJECT	
5	OHIO		

230
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AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00

REINFORCING STEEL LIST

BAR MARK	NO. OF BARS	BAR LENGTH	SHAPE	EPOXY COATED REINFORCING STEEL LBS.	LEFT RAILING	RIGHT RAILING
BRIDGE NO. AU-75-1234						
RAILING						
ER501	14	30'-0"	Str.	439	7	7
ER502E	2	27'-9"	↑	58	1	1
ER503E	72	16'-1"		1,208	36	36
ER504G	12	13'-1"		164	6	6
ER505K	16	3'-3"	↓	55	8	8
ER506D	16	3'-1"	Str.	52	8	8
ER508H	16	2'-3"	Bent	38	8	8
ER601	304	1'-10"	Bent	838	152	152
ER602	280	2'-2"	↑	912	140	140
ER602A	4	2'-4"		15	2	2
ER602B	4	2'-5"		15	2	2
ER602C	4	2'-6"		16	2	2
ER602D	4	2'-7"		16	2	2
ER602E	4	2'-9"	↓	17	2	2
ER602F	4	2'-10"	Bent	18	2	2
ER603	304	1'-3"	Bent	570	152	152
TOTALS				4,431		

A:AU75RSL3 19920219

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

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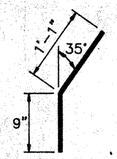
REINFORCING STEEL LIST

PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEYED INFO. FROM EXIST. PLANS	DRAWN INFO. FROM EXIST. PLANS	DESIGNED	DRAWN	CHECKED	REVIEWED
		JTS 10/91	CLT 11/91	MEF 11/91	

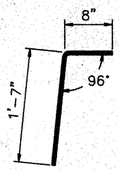
STEEL BENDING DIAGRAMS

FHWA REGION	STATE	PROJECT		231 / 231
5	OHIO			

AUGLAIZE COUNTY
ALLEN COUNTY
AUG-75-4.54
ALL-75-0.00



ER601



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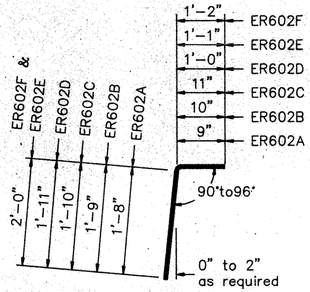
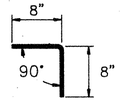
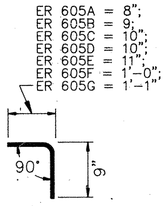


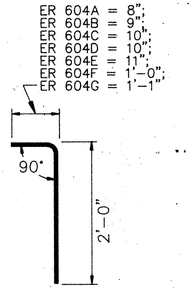
ER602A THRU
ER602F



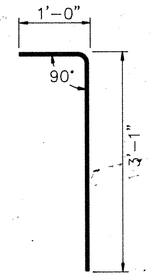
ER603



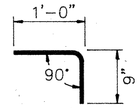
ER 605A THRU 605G BARS



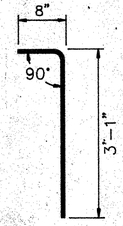
ER 604A THRU 604G BARS



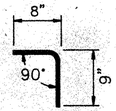
ER 606 BARS



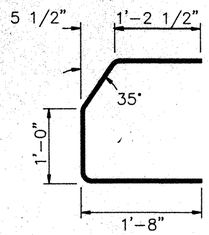
ER 607 BARS



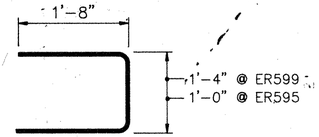
ER 608 BARS



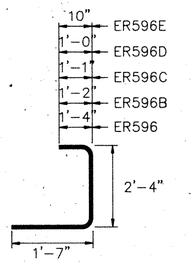
ER 609 BARS



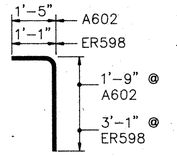
ER 507 BARS



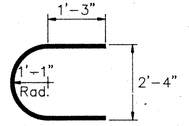
ER595 & ER599



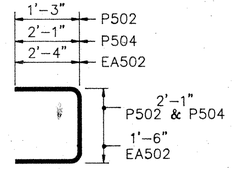
ER596, ER596B, ER596C,
ER596D & ER596E



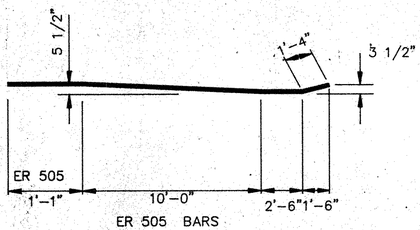
ER598 &
A602



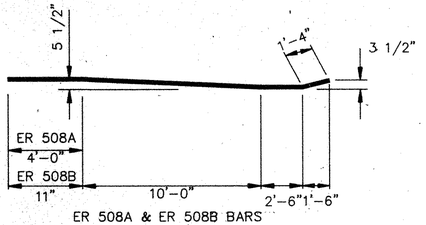
P501



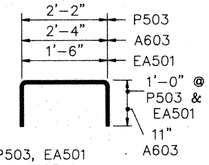
P502, P504
& EA502



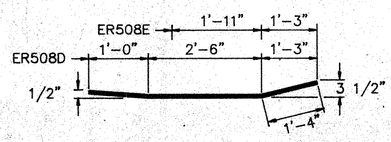
ER 505 BARS



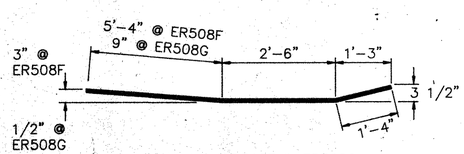
ER 508A & ER 508B BARS



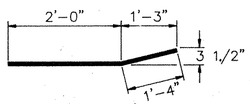
P503, EA501
& A603



ER508D & ER508E



ER508F & ER508G



ER508H

STATE OF OHIO DEPARTMENT OF TRANSPORTATION					32 / 32
STEEL BENDING DIAGRAMS					
PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEYED INFO. FROM EXIST. PLANS	DRAWN INFO. FROM EXIST. PLANS	DESIGNED JTS 10/91	DRAWN CLT 11/91	CHECKED MEF 12/91	REVIEWED

-:AU75BAR1 19920219