FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	S-470(5)	

1/34

ATB-45-17.07

S-470 (5)

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
ATB-45-17.07
ASHTABULA COUNTY
AUSTINBURG TOWNSHIP

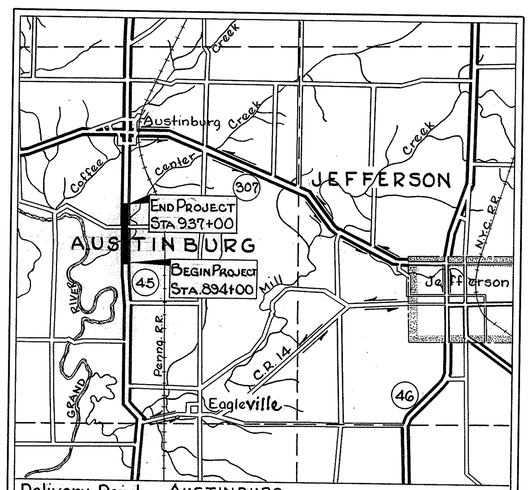
CONVENTIONAL SIGNS

State Line
County Line
Township Line
Section Line
Center Line
Corporation Line
Fence Line
Guard Rail (existing)
Guard Rail (proposed)
Steam Railroad
Power Poles
Telephone Poles
Trees (existing)
Trees (to be removed)

INDEX OF SHEETS

LINE DATA

Begin Project	Sta	894+00
End Project	Sta	937+00
Net Length of Project		4300 L.F.
	or	0.814 Mile
Begin Work	Sta	893+50
End Work	Sta	939+50
Net Length of Work		4600 L.F.
	or	0.871 Mile



LOCATION MAP

SCALE OF MILES

0 ½ 1 2 3 4

Portion to be improved
State Roads
Other Roads
Detour

SCALE

Plan 1" = 50'
Profile, Horizontal 1" = 50'
Profile, Vertical 1" = 5'
Cross Sections 1" = 5'

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

The right-of-way for this improvement will be provided by the State of Ohio.

I hereby approve these plans and declare that the making of this improvement will require the closing of the highway to traffic, **except as noted on sheet 3, and that detours will be provided as indicated on the plans.**

Approved Paul Kostyshak
Date 1-22-59 Division Deputy Director

Approved Guy R. Keeper
Date 5-8-59 Deputy Director of Planning & Programming

Approved D.K. Overman
Date 5-5-59 Engineer of Bridges

Approved Warren Thurman
Date 5-5-59 Engineer of Location & Design

Approved C.W. McCaughey
Date 5-5-59 Deputy Director of Design & Construction

Approved H.A. Berry
Date 5-8-59 First Assistant Director

Approved E.S. Preston
Date 5-9-59 Director of Highways

AUG 28 1961
GROUND PHOTOLAB

File No.	ATB-45-17.07
	Date of Letting 19
	Contract No.

STANDARD DRAWINGS

L-1	4-1-50	I-1,2,3,4 & 5	4-24-58	DR-1	1-3-55
L-3	4-1-50	I-8CB,22A & B	3-2-59	AS-1-54	12-1-54
L-3-A	4-1-50	I-14 G	1-22-52		
RI-1	7-15-58	I-15 No 1	8-1-55	CS-1-54(2 Sh.)	7-16-56
T-35	1-2-56			A-1-54	12-1-54
S-27 P.C.3	2-20-45	I-15 No 2A	6-1-57	P-1-54	2-2-59
S-27 P.C.4	1-4-54	G-7.07	6-1-56		

SUPPLEMENTAL SPECIFICATIONS

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

APPROVED

DIVISION ENGINEER DATE

UTILITIES AFFECTED

Geneva Telephone Company; Geneva, Ohio
Cleveland Electric Illuminating Company; Ashtabula, Ohio

Field Book No. 162

TYPICAL SECTIONS
TYPE T-35 ON B-19

SCALE 3/8" = 1'-0"

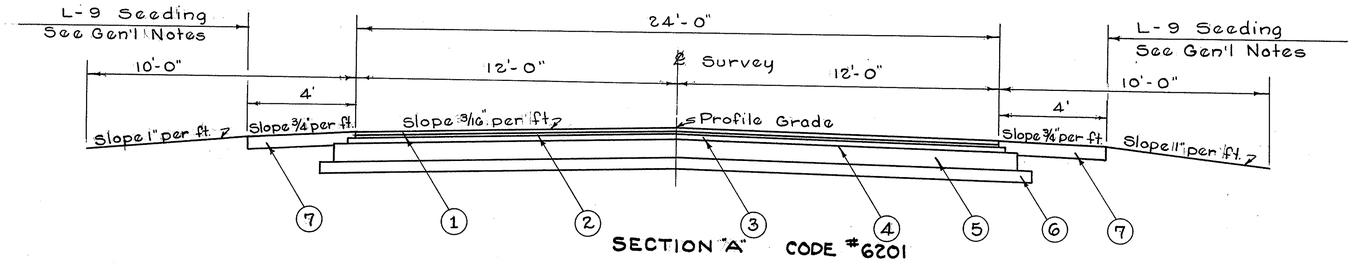
DESIGN SPEED 60 M.P.H.

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

2/34

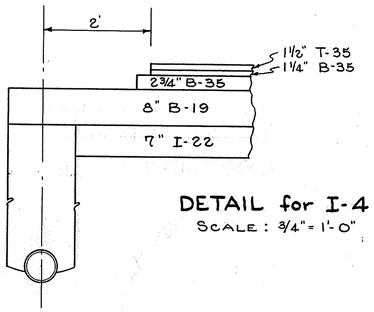
ATB-45-17.07

NOTE: For details of berms & ditches, see Std. Dwg. RI-1



SECTION "A" CODE # 6201

From	To	L.F.	L.F.	Description
894+00	909+76		1576	
909+76	911+12	136		Bridge & Apprs.
911+12	936+00		2488	
936+00	937+00	100		Vertical Transition
TOTALS		236	4064	

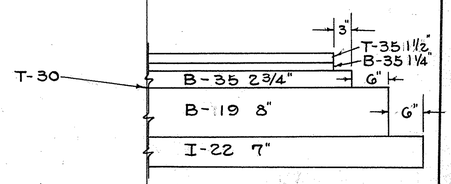


DETAIL for I-4
SCALE: 3/4" = 1'-0"

* Note: Aggregate surfaced shoulders shall be stabilized by a mixture of 1½ lbs. per sq. yard of Calcium Chloride to the upper 3 inches of the compacted aggregate. The Calcium Chloride shall be thoroughly mixed with the stabilized aggregate as described in Item B-11.12 of the General Specifications. After final shaping and compaction of the shoulders the surface shall be given an additional application of Calcium Chloride at the rate of 0.6 lbs. per square yard as described in Item B-11.14 of the General Specifications. See note in Proposal.

LEGEND

(1) T-35 1½" Asphaltic Concrete Surface Course, Type "A" (70-85)
(2) B-35 1¼" Asphaltic Concrete Leveling Course (70-85)
(3) B-35 2¾" Asphaltic Concrete Base Course (70-85)
(4) T-30 Bituminous Prime Coat Sec. M-5.3, MC-0 or MC-1 or Sec. M-5.7, RT-2 or RT-3 at 0.35 gal. per sq. yd.
(5) B-19 8" Aggregate Base Course
(6) I-22 7" Subbase (Granulated Slag, Sec. M-3.13 may be used for this Item)
*(7) I-18 6" Stabilized Crushed Aggregate Shoulders and Approaches



EDGE COURSE DETAIL
Scale: 1" = 1'-0"

P.F. No. 281-R J.L.H.

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

ATB 45-17.07

3/34

GENERAL NOTES

FIELD OFFICE:
The contractor shall provide a suitable "field office" in accordance with Section 5-0.01 having a minimum floor area of 200 sq. ft. The contractor shall have a telephone installed and maintained during the construction of this project.

UTILITY ADJUSTMENT:
Any and all work required for Public Utilities will be done by and at the expense of their respective owners unless otherwise noted in these plans.

PROPERTY MARKERS:
All iron pins or markers within the limits of the project shall be saved and adjusted to the new grade by the Contractor as directed by the Engineer. Cost of adjusting or resetting markers shall be included in the unit price bid for E-1 Roadway Excavation.

SCALPING:
Topsoil from scalping operation shall be salvaged and placed on all areas to be seeded and sodded as per Item E-1.03(a) and E-1.05(d) Minimum thickness loose measurement shall be 2 inches.

TREE AND STUMP REMOVAL:
All trees and stumps within the construction limits which are 12" or more as measured per Sec. E-9.01 shall be removed and paid for under Item E-9 Lump Sum, if marked for removal by the Engineer. This number may vary from those marked on the plans.

SMALL DRAINS:
Where drains from downspouts, field drains, etc. are encountered and not shown on the plans, they shall be given an unobstructed outlet as directed by the Engineer. No drains carrying domestic waste shall be connected to any proposed drainage facility. Estimated Quantity included in note entitled "Additional Quantities" shown on this sheet.

REMOVAL OF EXISTING PAVEMENT:
The removal of existing pavement has been set up as follows on this plan: Rigid pavement as E-8 Removal and Disposal of Existing Pavement; Flexible pavement as E-1 Roadway Excavation as per plan.
There will be some areas where the pavement will be removed outside of the normal work area. These areas shall be plowed, harrowed and dragged to a smooth grade, the old ditches filled and the entire area left in a neat condition which will drain into new roadway ditches.
Cost of this work shall be included in above items for removal of existing pavement. Areas then shall be seeded and mulched under Item L-9

ITEM L-10 SODDING:
Areas to be sodded shall be loosened to a depth of 2 inches just prior to laying the sod. This work shall be included for payment in the price bid per Sq. Yd. of sodding.

SUBGRADE COMPACTION:
The subgrade for drives and mailbox turnouts using B-19 Aggregate Base Course material shall be compacted for a depth of six (6) inches to the density requirements shown in Table III Item E-1
Payment for the subgrade compaction as specified above shall be included in the unit price bid for Item E-1, Roadway Excavation.

STONE UNDERDRAINS, No. 2:
In the final finishing of slopes and ditches, care shall be exercised to assure that the outlet ends of stone underdrains be left free of earth cover which would impede drainage. These areas shall not be seeded.

ITEMS L-9 SEEDING & PROTECTING, L-9 (12-12-12) COMMERCIAL FERTILIZER AND L-9 AGRICULTURAL LIMING MATERIAL:
Quantities for these items are calculated for the soil areas between lines ten feet (10') outside the work limits as shown on the cross sections or to the R/W line if such line is less than ten feet from the work limits.

REMOVAL OF EXISTING CULVERTS:
Removal of existing pipe culverts shall be paid for as Item E-12 Pipe Removed (15" and under or over 15", whichever applies) as per plan. The cost of removing any headwalls encountered shall be included in the price bid for Item E-12.

ACCESS:
Access to all properties abutting this Project shall be provided and maintained at all times by the Contractor.

ADDITIONAL QUANTITIES:
Additional quantities have been provided to be used as directed by the Engineer. They are as follows and have been carried to the Recap. on Sheet #4

I-1	12" Drive Pipe	60 L.F.
I-4	6" Underdrains	500 L.F.
I-4	8" Pipe Outlets for Underdrains	40 L.F.
I-5	6" Pipe Specials for Underdrains	4 Each
B-19		40 C.Y.
T-30		60 Gal.
T-35		10 C.Y.
I-2	6" Class "A" Storm Sewers	200 L.F.

TRAFFIC:
The period of use of the detour shown on Sheet No. 1 shall not exceed 120 consecutive calendar days. Two-way traffic shall be maintained at all times the detour is not in effect except that one-way traffic will be permitted consistent with the requirements of Sections T-35.23 and B-35.25.
The existing bridge is to be used to maintain local traffic for as long as it does not seriously interfere with the performance of the contract. Then the bridge shall be removed by the contractor.
The following quantities are provided to maintain local traffic:

T-10 - Traffic Compacted Surface Course for maintaining traffic To General Summary	1500	C.Y.
M-10 - Calcium Chloride furnished and applied for maintaining traffic To Calculations	30	Tons

SEED MIXTURE:
The seed mixture for this project shall be as follows:
65% Kentucky 31 Fescue or Alta Fescue
25% Kentucky Bluegrass
5% Red Top
5% Alsike Clover

BERMS AND SLOPES:
Berms, slopes and rounding shall be finished in accordance with Standard Drawing RI-1 except where otherwise shown on the cross sections. All slopes in transitions from cut to fill shall be made in a manner to blend with the surrounding terrain as directed by the Engineer.
The grading tolerance as noted in Section E-1.10 of the Specifications shall be modified as follows. The finished graded and seeded section in the areas of lawns or residences shall not deviate more than one inch vertically below the grade and lines as shown on these plans. These areas are to be in smooth contour and free from sticks, stones and other debris. Care shall be exercised, as directed by the Engineer, to assure that proper surface drainage is obtained in the areas involved as well as adjacent to or across any driveways that may be located in the areas. Payment for any additional tools, labor including handraking if necessary, incidentals and operations necessary to accomplish this shall be included in the price bid for Item E-1 "Roadway Excavation".

CROSS SECTIONS:
The depth of trench for the pavement as shown on the cross sections is not deep enough and does not correspond with the typical section. Calculations have been made on Sheet #5 to adjust the earthwork to cover this difference.

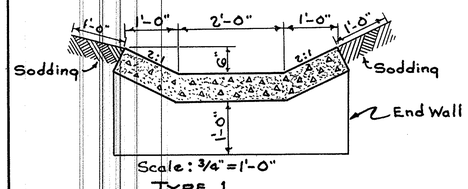
ESTIMATED QUANTITIES:
Specific locations and usage of estimated quantities set up on this plan to be used "as directed by the Engineer" shall be made a matter of record by incorporation into the final change order governing completion of this project.

DETAILS & RECAPITULATIONS

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

4 / 34

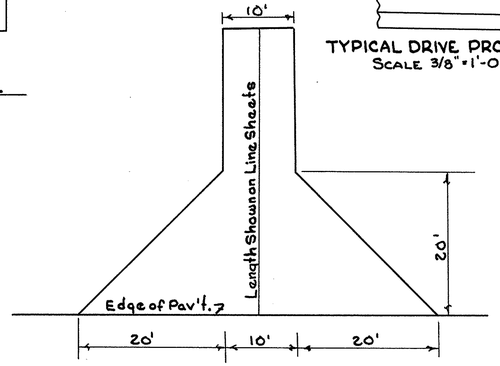
ATB-45-17.07



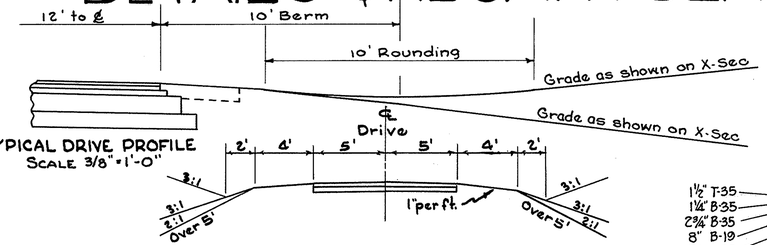
Scale: 3/4" = 1'-0"

TYPE 1

PAVED GUTTER DETAIL



Scale 1" = 10'



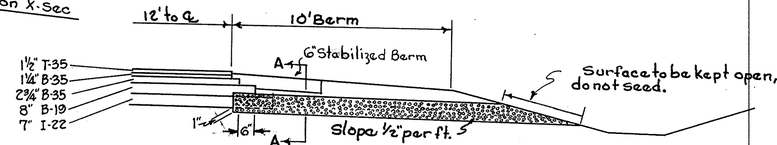
TYPICAL DRIVE PROFILE
SCALE 3/8" = 1'-0"

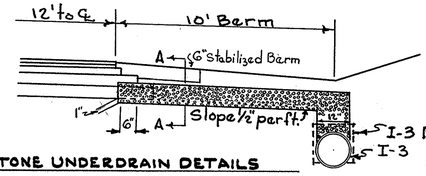
TYPICAL SECTION

NOTE: Residential Drives shall be constructed of 5" B-19 Base T-30 Prime & 2" T-35 Surface Course with crown of 3/16" per ft. slope.
Field Drives shall be constructed of 6" B-19 with crown of 3/8" per ft. slope.
Business Drives shall be constructed of 7" B-19 Base T-30 Prime & 2" T-35 Surface Course with Crown of 3/16" per ft. slope.

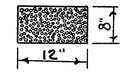
DRIVEWAY DETAIL

Notes on participation in driveway construction:
1. Federal participation in items T-30 and T-35 used on proposed drive construction where the existing drive is not of a high type shall be limited to those portions of these items used within the proposed R/W line.
2. Estimated quantities of these items not Federal participating have been separated out and are shown in the General Summary as 100% State participation.





I-9 STONE UNDERDRAIN DETAILS



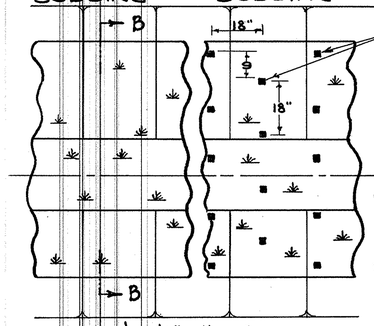
Sec. A-A

ESTIMATED QUANTITIES

I-9 Stone Underdrains 2000 L.F. to General Summary Est. @ 50' Intervals where I-4 Underdrains have not been provided.

TYPE 1 SODDING

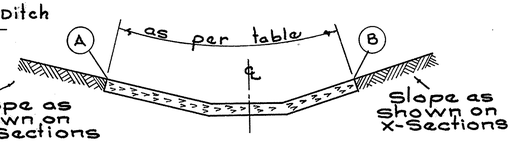
TYPE 2 SODDING



Scale: 1/2" = 1'-0"

SODDED DITCH

Stakes are to be staggered and placed on 18" ctrs. and in rows 18" apart. They shall be of the size described Under Item L-10.07 of the Construction & Material Specifications.



SECTION B-B

NOTE: Points A & B as shown in Section B-B shall be the same elevation. Type 2 Sodding is used in areas of high velocity, as called for on plan & profile sheets.

DRAINAGE

SHEET No.	E-2 Exc. For Struct. C.Y.	E-3 Chan'l Exc. C.Y.	S-1 Conc. For Struct. Class 'E' C.Y.		S-24 Rem'l Exist. Struct. Lump	S-27 15" M-G.4(d) L.F.	S-27 36" L.F.	S-27 42" L.F.	I-1 12" M-G.4(a) L.F.	I-3 With Porous Backfill 12" U.A. L.F.	I-3 With Porous Backfill 15" U.A. L.F.	I-3 With Porous Backfill 15" L.F.	I-3 With Porous Backfill 18" U.A. L.F.	I-4 18" L.F.	I-4 6" Pipe Underdrains L.F.	I-4 8" Outlet L.F.	I-2 6" Class 'A' Storm Sewers L.F.	I-5 for I-4 6"-45° Bend Ea.	I-8 Catch Basin Each 2-2A	I-8 Catch Basin Each 2-2B	I-10 Dump Rock C.Y.		I-14 Paved Gutter Type 1 L.F.		SHEET No.
3									60						500	40	200	4								3
8			0.2						34																	8
9															360	10		1			6		107			9
10									64				105	30							6					10
11										65	195	30								1	17					11
29	215	4	3.5		Lump	92	118	150												1						29
30		123																								
To Calc.																										
To Sum	215	127	3.7		Lump	92	118	150	158	65	195	30	105	30	860	50	200	5		1	1	29		107		

EARTHWORK

SHEET NS.	E-1 EXC. C.Y.	E-1 EMB. C.Y.	L-9 Seeding S.Y.		I-8 Mon. Adjust to Grade EA.	I-15 I-15.13 Deep Beam	I-15 G.R. Rem'l L.F.	I-15 G.R. Remove & Store L.F.		E-8 Rem. Exist. Pav't. S.Y.	E-12 Pipe Rem. 15" & Under L.F.	E-12 Pipe Removed Over 15" L.F.	E-1 Compd Sub-Grade S.Y.	L-10 SODDING 7' Wide Type 1 S.Y.	L-10 SODDING 7' Wide Type 2 S.Y.	L-10 SODDING 9' Wide Type 1 S.Y.	L-10 SODDING For I-14 1' Wide Type 1 S.Y.		T-30 Prime Coat Gal.	T-35 1½" Asph. Conc. C.Y.	T-35 2" Asph. Conc. Surf. C.Y.		B-35 Asphaltic Conc. 1¼" Level C.Y.			B-19 Crushed Aggregate 5" C.Y.	B-19 Crushed Aggregate 6" C.Y.	B-19 Crushed Aggregate 8" C.Y.		I-7 Reinf. Conc. Appr. Slab T=13" S.Y.			SHEET NS
3																				60		10					25	15						3
8	4,735	255	5,573			162.5	145			890	50			58						38	1.2	6.1		1.0			15.1	27.3						8
9	14,752	10,836	12,709			328.0	692	26		1065		200	134	131		125	24											11.7			134			9
10	10,468	2,818	10,586			200.0				1222	192	105		210	90	250				172		27.3					68.1	48.9						10
11	1,454	17,336	10,054		1	82.5					245			351						61	1.2	9.6		1.0			23.9							11
27	—	—	—										1050							368		58.5							242					27
29											64																							29
To Calc.	31,409	31,245	38,922										1184			1239				699		113.9		2.0				476.8						To Calc.
To Sum					1	1515.5	837	26		3177	551	305		750	90	375	24														134			To Sum

CALCULATIONS

T-35 Asphaltic Concrete Surface Course Type "A" 70-85

1½" T-35
FROM TYPICAL SECTION A 4064 L.F.
TYPICAL SECTION A 100 L.F. Vertical Transition Sta. 936+00 to 937+00
4164 L.F. x 24 ÷ 9 = 11,104.0 S.Y. x 1.5 ÷ 36 = 462.67 C.Y.
Recap: 1½" & 2" T-35 113.9 C.Y.
Total T-35 to General Summary 577 C.Y.

B-35 Asphaltic Concrete Leveling Course 70-85

1¼" B-35 (Leveling)
FROM: T-35 Calculation above 4164 L.F.
4164 L.F. x 24 ÷ 9 = 11,104.0 S.Y. x 1.25 ÷ 36 = 385.56 C.Y.
Recap: 2.0
Total B-35 (Leveling) to General Summary 388 C.Y.

B-35 Asphaltic Concrete Base Course 70-85

2¾" B-35
FROM: T-35 Calculation above 4164 L.F.
4164 L.F. x 24.5 ÷ 9 = 11,335.33 S.Y. x 2.75 ÷ 36 = 865.89 C.Y.
Total B-35 (Base) to General Summary 866 C.Y.

T-30 Bituminous Prime Coat

T-30 at 0.35 Gal./s.y.
FROM: T-35 Calculation above 4164 L.F.
4164 L.F. x 24.5 ÷ 9 = 11,335.33 S.Y. x 0.35 Gal./s.y. = 3967.4 Gal.
Recap: 699 Gal.
Total T-30 to General Summary 4666 Gal.

B-19 Aggregate Base Course

FROM: TYPICAL SECTION A 4064 L.F.
4064 L.F. x 25.5 ÷ 9 = 11,514.67 S.Y. x 8 ÷ 36 = 2,558.82 C.Y.
TYPICAL SECTION "A" 100 L.F. Vertical Transition Sta. 936+00 to 937+00 38 C.Y.
Recap: 476.8 C.Y.
Total B-19 to General Summary 3,074 C.Y.

I-22 SUBBASE:

7" I-22
FROM: TYPICAL SECTION A 4064 L.F.
4064 L.F. x 26.5 ÷ 9 = 11,966.22 S.Y. x 7" ÷ 36 = 2326.77 C.Y.
TYPICAL SECTION A 100 L.F. Vertical Transition — Sta. 936+00 to Sta. 937+00 (Est.) 11 C.Y.
Total I-22 to General Summary 2338 C.Y.

I-18 Stabilized Crushed Aggregate Shoulders

6" I-18
FROM: TYPICAL SECTION A 4064 L.F.
TYPICAL SECTION A 100 L.F. Vertical Transition
4164 L.F. x 2 = 8328 L.F.
Deduct for Drives & Intersections: — 830 L.F.
7498 L.F. x 4 ÷ 9 = 3332.44 S.Y.
3332.44 S.Y. x 6 ÷ 36 = 555 C.Y.
Total I-18 to General Summary 555 C.Y.

E-1 Compacted Subgrade

FROM: TYPICAL SECTION A 4064 L.F.
4064 L.F. x 24 ÷ 9 = 10837.33 S.Y.
Recap: 1184. S.Y.
Total E-1 Compacted Subgrade to Gen'l Summary 12021. S.Y.

E-11 WATER

Embankment	30200	C.Y. x 5 Gal./C.Y. ÷ 1000 =	150.60	M. Gal.
B-19	3074	C.Y.		
I-22	2338	C.Y.		
	5412	C.Y. x 10 Gal./C.Y. ÷ 1000 =	54.12	M. Gal.
I-18	555	C.Y. x 20 Gal./C.Y. ÷ 1000 =	11.10	M. Gal.
Total E-11 to General Summary			215.82 M.	Gal. use 216 M. Gal.

ITEM Special Mixing Calcium Chloride & Stabilized Crushed Aggregate Shoulders =
Total I-18 (From Calculations above) to Gen'l Summary 3332 S.Y.

ITEM M-10 CALCIUM CHLORIDE

Total I-18 Area from Calculations above = 3332.44 S.Y.
3332.44 S.Y. x 2.1 lbs./s.y. ÷ 2000 lbs. 3.50 Tons
From General Notes Sheet No 3 30.00 Tons
Total M-10 to General Summary 33.50 Tons

L-9 SEEDING

From Recap	38,922	S.Y.
Deduct sodding from Recap:	1,239	S.Y.
Deduct paved gutter from Recap: 107 x 4.25 ÷ 9 =	51	S.Y.
Total L-9 Seeding to General Summary	37,632	S.Y.

L-9 COMMERCIAL FERTILIZER (12-12-12)

Fertilizer at 20 lbs per 1000 S.F.
L-9 & L-10 (37,632 + 1239) x 9 = 349,839 S.F.
(349,839) x 20 ÷ 1000 ÷ 2000 =
Total Fertilizer to General Summary 3.50 Tons

L-9 AGRICULTURAL LIMING MATERIAL

Lime at 100 lbs per 1000 S.F.
L-9 & L-10 = 349,839 S.F.
349,839 x 100 ÷ 1000 ÷ 2000 =
Total L-9 Liming Material to General Summary 17.49 Tons

E-1 EARTHWORK

Embankment from below - 30200 C.Y.
30200 x 1.30 = 39,260 C.Y.
Less Excavation from below 32,592 C.Y.
Less E-2 from Sheet # 4 215 C.Y.
Less E-3 from Sheet # 4 127 C.Y.
Less E-3 for Channel at Bridge from Sheet No 30 443 C.Y.
Total E-4 Borrow to General Summary 5883 C.Y.

EARTHWORK CORRECTIONS

E-1 from Sheet No 4 31,409 C.Y. + 1183 C.Y. = 32,592 C.Y.
Embankment from Sheet No 4 31,245 C.Y. - 1045 C.Y. = 30,200 C.Y.

* See Note on Sheet No 3 "Cross Sections"

GENERAL SUMMARY

ITEM NO	QUANTITY	UNIT	DESCRIPTION CODE TYPE G201
			ROADWAY
E-1	32,592	C.Y.	Roadway Excavation, Method B, as per plan.
E-4	5883	C.Y.	Borrow
E-1	12021	S.Y.	Compacted Subgrade
E-8	3177	S.Y.	Removal and Disposal of Existing Pavement, as per plan
E-9	Lump	Lump	Removal of Trees and Stumps
E-11	216	M. Gal.	Water
E-12	551	L.F.	Pipe Removed, 15" and Under, as per plan
E-12	305	L.F.	Pipe Removed, Over 15", as per plan
I-8	1	Each	Monument Box Adjusted to Grade
I-15	1515.5	L.F.	Guard Rail, Steel Beam Standard Type (Deep) As per Std Drwg. I-15 No. 2-A
I-15	837	L.F.	Guard Rail, Removed and Disposed of
I-15	26	L.F.	Guard Rail, Removed and Stored
I-18	555	C.Y.	Stabilized Crushed Aggregate Shoulders and Approaches
Spec.	3332	S.Y.	Mixing Calcium Chloride and Crushed Aggregate
L-9	37,632	S.Y.	Seeding and Protecting, As per Plan
L-9	3.50	Tons	Commercial Fertilizer (12-12-12)
L-9	17.49	Tons	Agricultural Liming Material
L-10	1149	S.Y.	Sodding Type 1, As per Plan
L-10	90	S.Y.	Sodding Type 2, As per Plan
M-10	33.5	Tons	Calcium Chloride Furnished and Applied
T-10	1500	C.Y.	Traffic Compacted Surface Course for Maintaining Traffic
			DRAINAGE
E-2	215	C.Y.	Excavation for Structures
E-3	127	C.Y.	Channel Excavation
I-2	200	L.F.	6" Class "A" Storm Sewers
I-1	158	L.F.	12" Pipe for Driveways, Sec. M-6.4(a)
I-3	195	L.F.	15" Roadway Drainage with Porous Backfill
I-3	105	L.F.	18" Roadway Drainage with Porous Backfill
I-3	65	L.F.	12" Roadway Drainage Under Pavement or Approaches with Porous Backfill
I-3	30	L.F.	15" Roadway Drainage Under Pavement or Approaches with Porous Backfill
I-3	30	L.F.	18" Roadway Drainage Under Pavement or Approaches with Porous Backfill
I-4	860	L.F.	6" Underdrains
I-4	50	L.F.	8" Pipe Outlet for Underdrains, Sec. M-6.4(a)
I-5	5	Each	6" Pipe Specials for Underdrains
I-8	1	Each	Standard No. 2-2A Catch Basin
I-8	1	Each	Standard No. 2-2B Catch Basin
I-9	2000	L.F.	Stone Underdrains No. 2, As per Plan
I-10	29	C.Y.	Dumped Rock Channel Protection
I-14	107	L.F.	Paved Gutter, Standard Type 1
S-1	3.7	C.Y.	Concrete for Structures Class "E"
S-24	Lump	Lump	Removal of Existing Structures
S-27	28	L.F.	15" Pipe for Roadway Culverts Sec. M 6.4(d)
S-27	118	L.F.	36" Pipe for Roadway Culverts
S-27	150	L.F.	42" Pipe for Roadway Culverts
			PAVEMENT
B-19	3074	C.Y.	Aggregate Base Course
B-35	388	C.Y.	Asphaltic Concrete Leveling Course (70-85)
B-35	866	C.Y.	Asphaltic Concrete Base Course (70-85)
T-30	* 4666	Gal.	Bituminous Prime Coat Sec. M-5.3, MC-0 or MC-1 or Sec. M-5.7 RT-2 or RT-3
T-35	* 577	C.Y.	Asphaltic Concrete Surface Course, Type "A" (70-85)
I-7	134	S.Y.	Reinforced Concrete Approach Slabs (T=13")
I-22	2338	C.Y.	Subbase, As per Plan

CODE G201	100% State
4616	50
569	8

See Sheet Number 32 for Quantities on Structure over 20' Span

* NOTE: For participation in these quantities, see breakdown on right

GENERAL SUMMARY

FED. RD. DIVISION 2 | STATE OHIO | PROJECT ATB-45-17.07

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

7
34

ATB-45-17.07

BEGIN SHEET STA. 878+00

879 880 881 882 883 884 885 N-1°-00'-W 886 887 888 889

END SHEET STA. 890+00

810
805
800

EXIST. NPSD 420'

803.2 806.3 808.2 809.2 809.4 808.1 806.8 805.8 806.7 807.8 808.8 809.9 810.18

878 879 880 881 882 883 884 885 886 887 888 889 890

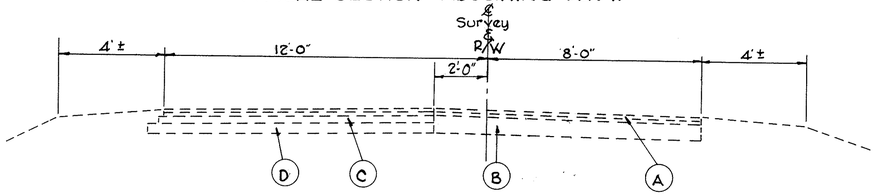
LINE SHEET STA. 878+00 TO STA. 890+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

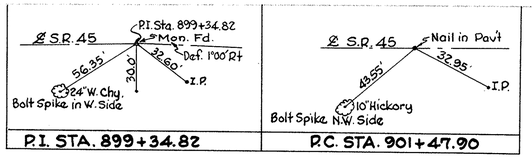
8
34

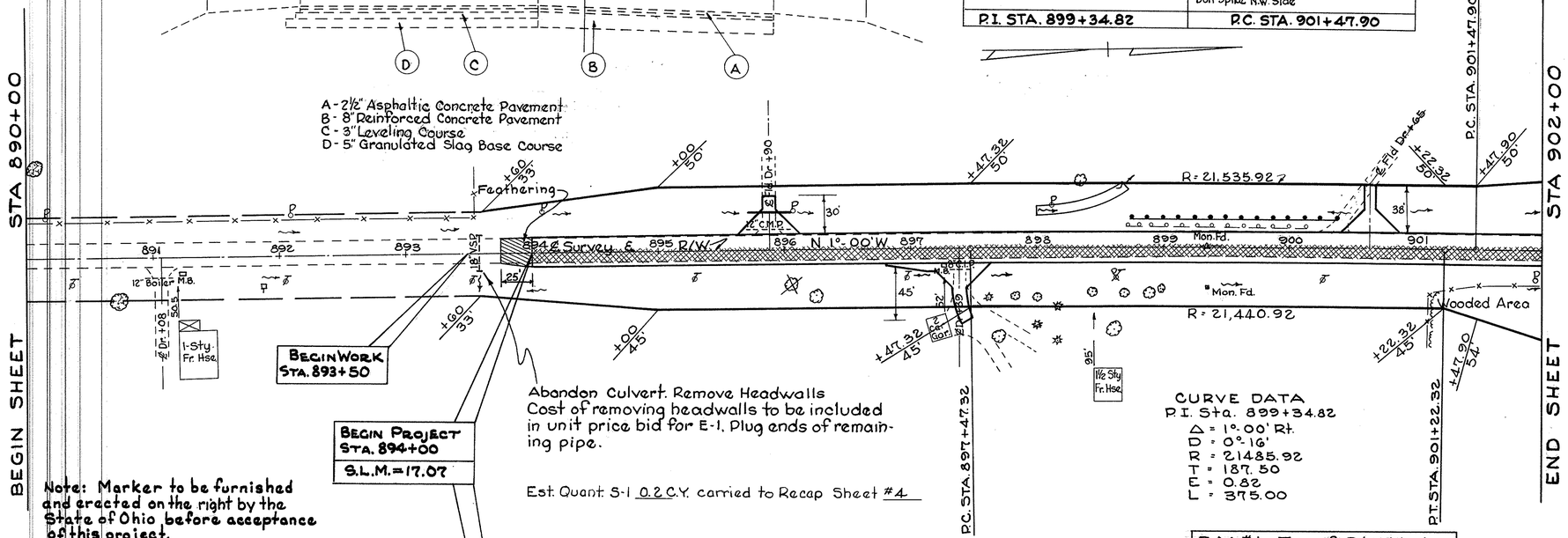
ATB-45-17.07

TYPICAL SECTION - ADJOINING PAV'T.



A - 2½" Asphaltic Concrete Pavement
B - 8" Reinforced Concrete Pavement
C - 3" Leveling Course
D - 5" Granulated Slag Base Course





Note: Marker to be furnished and erected on the right by the State of Ohio before acceptance of this project.

Abandon Culvert. Remove Headwalls Cost of removing headwalls to be included in unit price bid for E-1. Plug ends of remaining pipe.

Est. Quant: S-1 0.2 C.Y. carried to Recap Sheet #4

CURVE DATA
P.I. Sta. 899+34.82
Δ = 1°-00' Rt.
D = 0°-16'
T = 214.85.92
T = 187.50
E = 0.82
L = 375.00

B.M. #1 Top of R/W Marker
33' Rt. of Sta. 899+34.82
Elev. 810.970

DRIVES

Station	Type	Side	B-19 5" C.Y.	B-19 6" C.Y.	T-35 2"	I-1 12" L.F.		E-12 Pipe Rem. 15'& Under L.F.	T-30 Gal
895+90	F'ld	Lt.		12.9		34		34	
897+39	Comb	Rt.	15.1		6.1			16	38
900+65	F'ld.	Lt.		14.4					
TOTAL			15.1	27.3	6.1	34		50	38

GUARD RAIL

Station From	Station To	Side	I-15.13 Deep Beam L.F.	G.R. Rem'l L.F.
898+69	900+14	Lt.		145
898+75	900+37.5		162.5	
TOTAL			162.5	145

E-8 REMOVAL

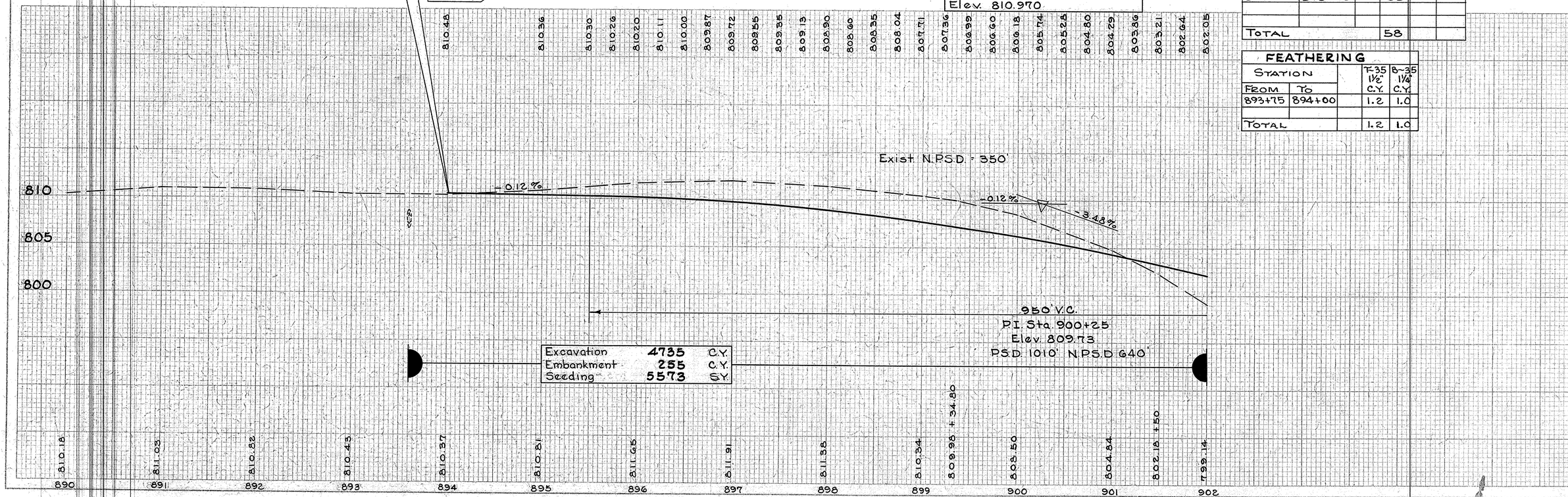
Station From	Station To	Pav't Rem'l S.Y.
894+00	902+00	890
TOTAL		890

SODDING

Station From	Station To	Side	L-10 7" Wide Type 1 S.Y.
898+00	898+75		58
TOTAL			58

FEATHERING

Station From	Station To	T-35 1½" C.Y.	B-35 1¼" C.Y.
893+75	894+00	1.2	1.0
TOTAL		1.2	1.0



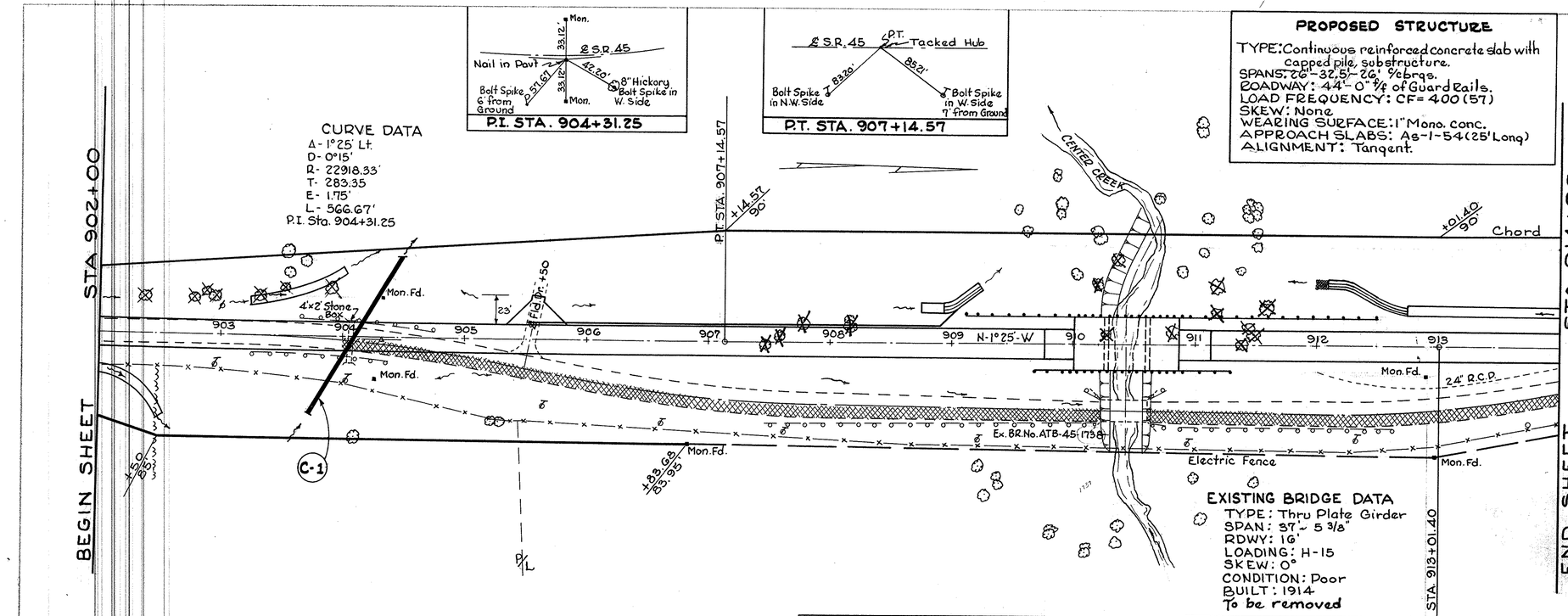
Excavation	4735	C.Y.
Embankment	255	C.Y.
Seeding	5573	S.Y.

LINE SHEET STA 890+00 TO STA 902+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

9
34

ATB-45-17.07



Excavation	14,752	C.Y.
Embankment	10,836	C.Y.
Seeding	12,709	S.Y.

STRUCTURES 20' SPAN & UNDER

Mark	Station	Type	Size	Detail Sheet No
C-1	904+10	Standard Pipe Culvert	42"x150'	29

DRIVES

Station	Type	Side	B-19 6" C.Y.	T-35 2"	I-1
905+50	F'ld	Lt.	11.7		
TOTAL			11.7		

GUARD RAIL

Station From	Station To	Side	I-15.3 Deep Beam L.F.	G.R. Rem'l L.F.	G.R. Rem-Store L.F.
903+26	904+39	Rt.		113	
903+65	904+76	Lt.		111	
907+50	910+20	Rt.		270	
909+09.77	912+47.27	Lt.	337.5		
909+66.02	911+28.32	Rt.	162.5		
910+12	910+24	Rt.			12
910+64	910+78	Rt.			14
910+66	912+64	Rt.		198	
DEDUCT FOR BRIDGE			172		
TOTAL			328.0	692	26

E-8 REMOVAL

Station From	Station To	Pav't Rem'l S.Y.
904+00	910+20	695
910+60	914+00	370
TOTAL		1065

APPROACH SLABS

STATION FROM	STATION TO	I-7 Reinf. Conc Appr. Slab S.Y.	E-1 Compacted Subgrade S.Y.
909+76	910+01.0	67	67
910+87	911+12	67	67
TOTAL		134	134

PIPE UNDERDRAINS

Station From	Station To	Side	I-4 6" L.F.	I-4 8" Outlet L.F.	I-5 for I-4 6"-45° Bend Ea.	
905+50	909+10	Lt	360	10	1	
TOTAL			360	10	1	

SODDING & PAVED GUTTER

Station From	Station To	Side	L-10 7' Wide Type 1 S.Y.	L-10 9' Wide Type 1 S.Y.	I-14 Type 1 L.F.	L-10 for I-14 1' Wide S.Y.	I-10 Dump Rock C.Y.
902+00	902+50	Lt.	50				
903+25	904+00	Rt.	65				
908+75	908+95	Lt.	16				
908+95	909+25	Lt.			37	8	
912+00	912+10	Lt.					6
912+10	912+75	Lt.			70	16	
912+75	914+00	Lt.		125			
TOTAL			131	125	107	24	6

DRAINAGE

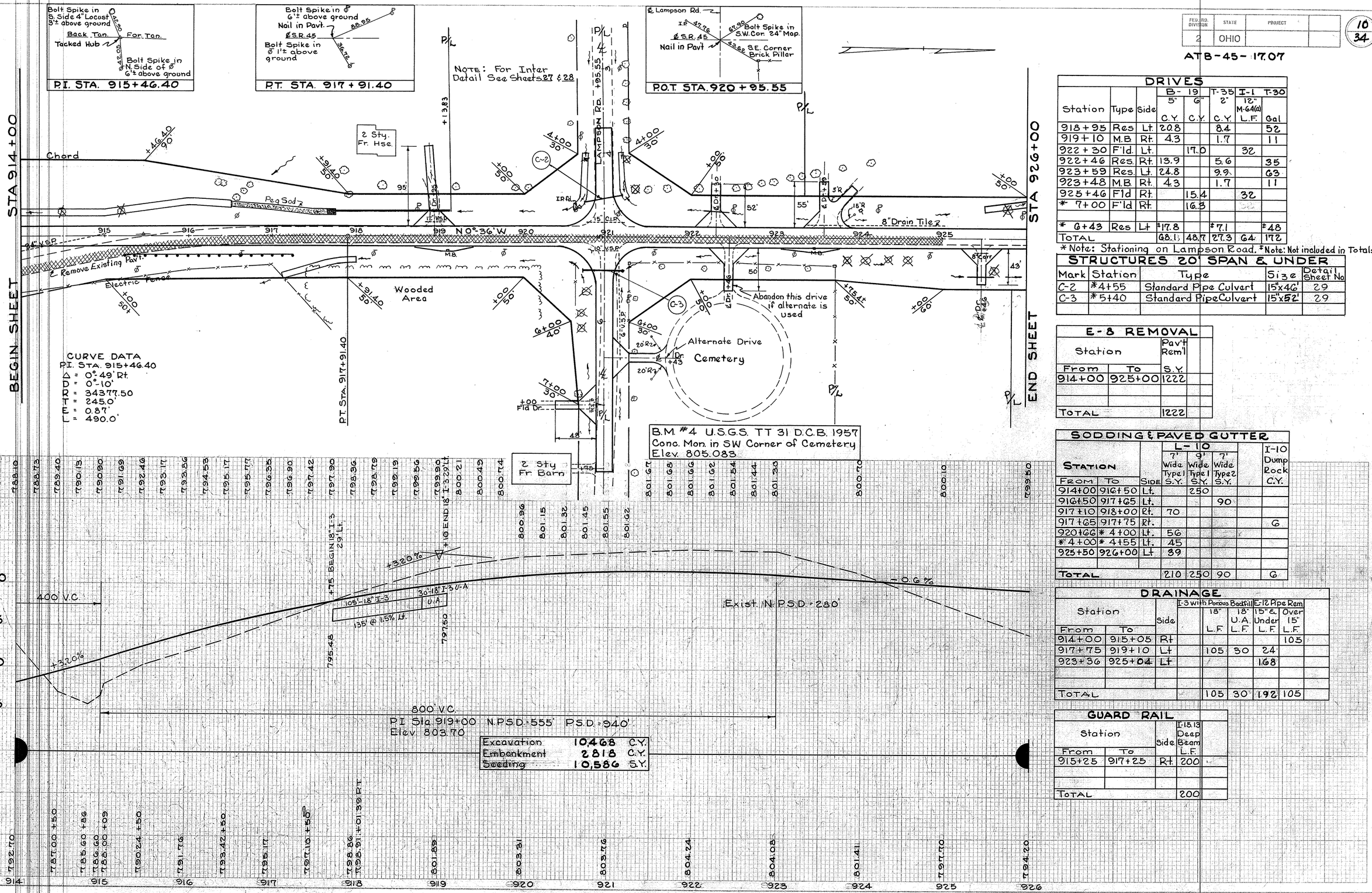
Station From	Station To	Side	E-12 Pipe Rem. over 15' L.F.	
912+00	914+00	Rt	200	
TOTAL			200	

LINE SHEET STA 902+00 TO STA 914+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

10
34

ATB-45-17.07



Excavation	10,468	C.Y.
Embankment	2818	C.Y.
Seeding	10,586	S.Y.

DRIVES

Station	Type	Side	B-19 5" C.Y.	B-19 6" C.Y.	T-35 2' C.Y.	I-1 12" M-64(a) L.F.	T-30 Gal
918+95	Res	Lt.	20.8		8.4		52
919+10	M.B	Rt.	4.3		1.7		11
922+30	F'ld.	Lt.		17.0		32	
922+46	Res.	Rt.	13.9		5.6		35
923+59	Res.	Lt.	24.8		9.9		63
923+48	M.B	Rt.	4.3		1.7		11
925+46	F'ld	Rt.		15.4		32	
* 7+00	F'ld	Rt.		16.3			
* 6+43	Res	Lt.	‡17.8		‡7.1		‡48
TOTAL			68.1	48.7	27.3	64	172

* Note: Stationing on Lampson Road. ‡ Note: Not included in Totals

STRUCTURES 20' SPAN & UNDER

Mark	Station	Type	Size	Detail Sheet No
C-2	*4+55	Standard Pipe Culvert	15"x46'	29
C-3	*5+40	Standard Pipe Culvert	15"x52'	29

E-8 REMOVAL

Station From	Station To	Pav't Rem'l S.Y.
914+00	925+00	1222
TOTAL		1222

SODDING & PAVED GUTTER

Station From	Station To	Side	L-10 7' Wide Type 1 S.Y.	L-10 9' Wide Type 1 S.Y.	L-10 7' Wide Type 2 S.Y.	I-10 Dump Rock C.Y.
914+00	916+50	Lt.		250		
916+50	917+65	Lt.			90	
917+10	918+00	Rt.	70			
917+65	917+75	Rt.				6
920+66	* 4+00	Lt.	56			
* 4+00	* 4+55	Lt.	45			
925+50	926+00	Lt	39			
TOTAL			210	250	90	6

DRAINAGE

Station From	Station To	Side	I-3 with Porous Backfill 18" L.F.	I-3 with Porous Backfill 18" U.A. L.F.	E-12 Pipe Rem. 15" & Under L.F.	E-12 Pipe Rem. Over 15" L.F.
914+00	915+05	Rt				105
917+75	919+10	Lt	105	30	24	
923+36	925+04	Lt			168	
TOTAL			105	30	192	105

GUARD RAIL

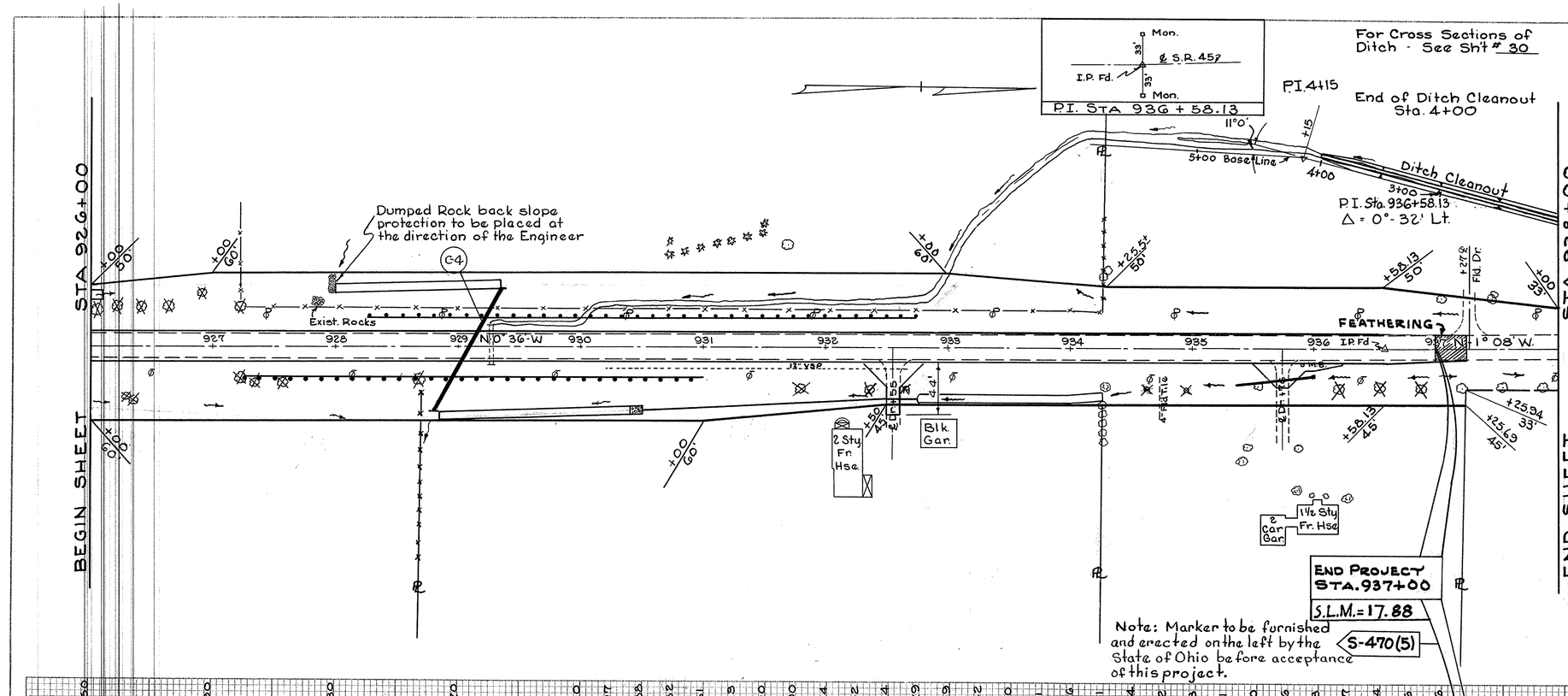
Station From	Station To	Side	I-18.13 Deep Beam L.F.
915+25	917+25	Rt	200
TOTAL			200

LINE SHEET STA. 914+00 TO STA. 926+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

11
34

ATB-45-17.07



STRUCTURES 20' SPAN & UNDER

Mark	Station	Type	Size	Detail Sheet No.
C-4	929+10	Standard Pipe Culvert	36"x116'	29

DRIVES

Station	Type	Side	B-19 5" C.Y.	B-19 6" C.Y.	T-35 2" C.Y.	T-30 Gal.	
932+55	Res	Rt.	13.0		5.2	33	
935+76	Comb	Rt.	10.9		4.4	28	
TOTAL			23.9		9.6	61	

GUARD RAIL

Station From	Station To	Side	I-15 L.F.	
927+25	931+00	Rt	375	
928+25	932+75	Lt	450	
TOTAL			825	

MONUMENTS

Station	Side		I-8 Mon. Adj to Grade	
936+58.13		P.I.	1	
TOTAL			1	

FEATHERING

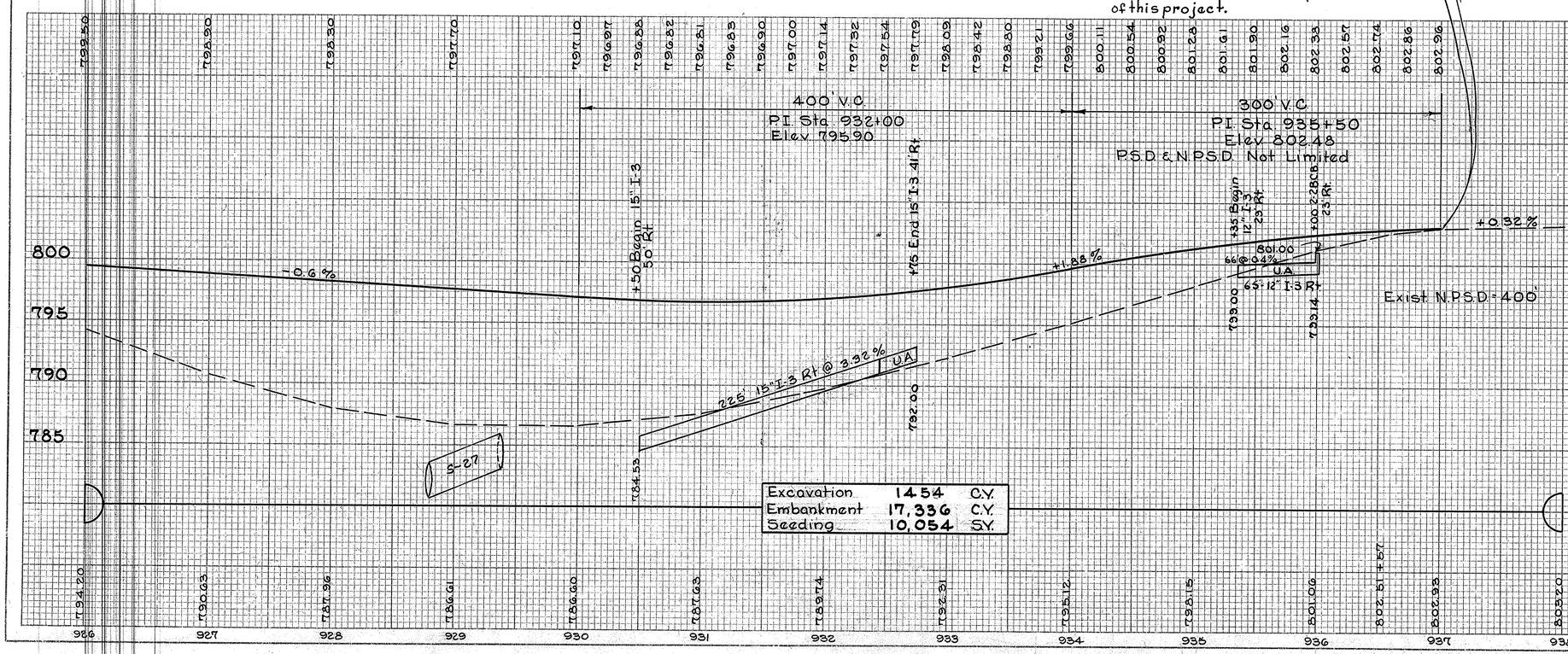
Station From	Station To		T-35 1½" C.Y.	B-35 1¼" C.Y.
937+00	937+25		1.2	1.0
TOTAL			1.2	1.0

SODDING

Station From	Station To	Side	L-10 Wide Type I S.Y.	I-10 Dump Rock C.Y.
926+00	926+10		8	
928+85	930+40	Rt	121	
932+75	934+25	Rt	117	
930+40	930+50	Rt		7
928+00	929+35	Lt	105	10
TOTAL			351	17

DRAINAGE

Station From	Station To	Side	I-3 with Porous Backfill 12" U.A. L.F.	15"	15" U.A. L.F.	E-12 Pipe Rem 15" & U. L.F.	I-8 C.B. 2-28 Ea.	
930+20	932+65	Rt				245		
930+50	932+75	Rt		195	30			
935+35	936+00	Rt	65				1	
TOTAL			65	195	30	245	1	



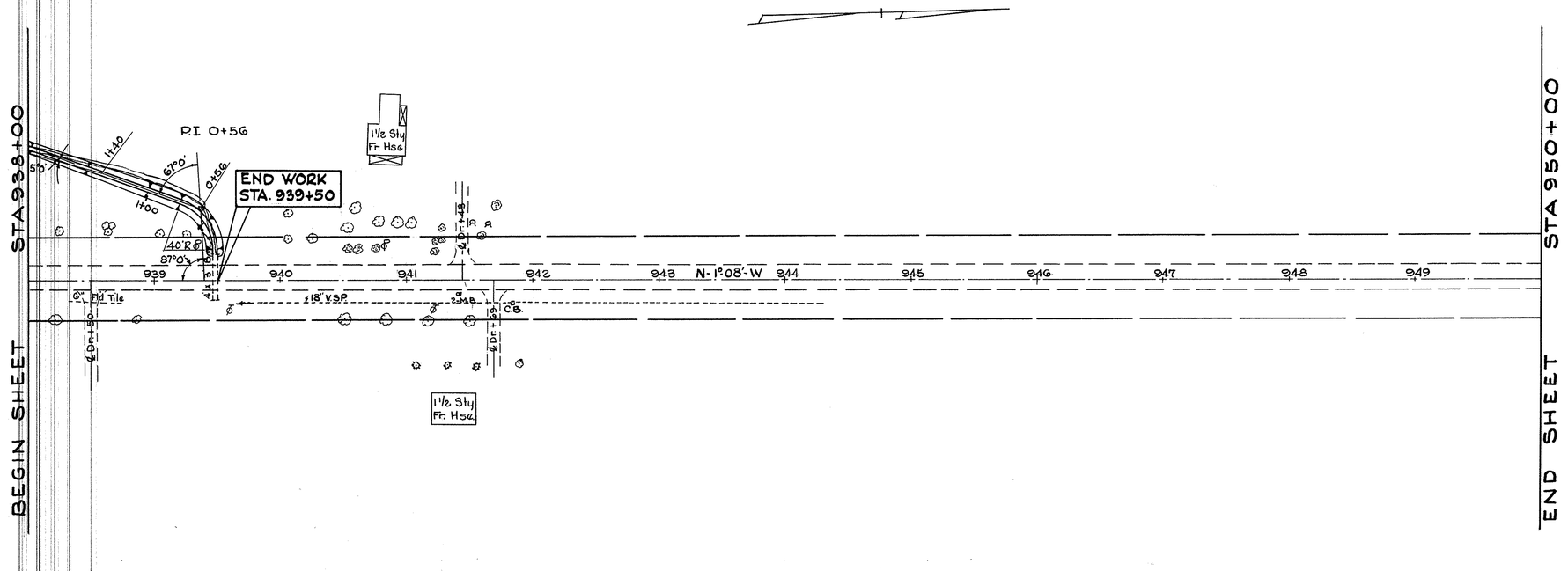
LINE SHEET STA 926+00 TO STA 938+00

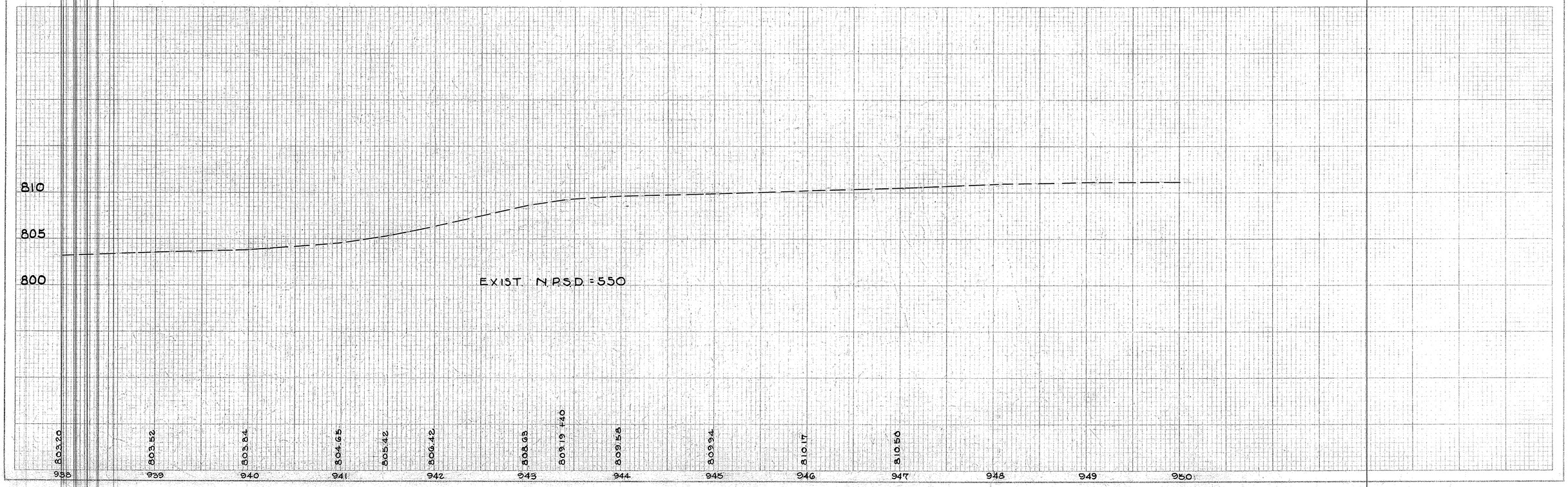
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

12
34

ATB-45-17.07

NOTE: Typical Section of Adjoining Pavement same as Typical Section Adjoining Pavement on Sheet # 8 of this Plan.





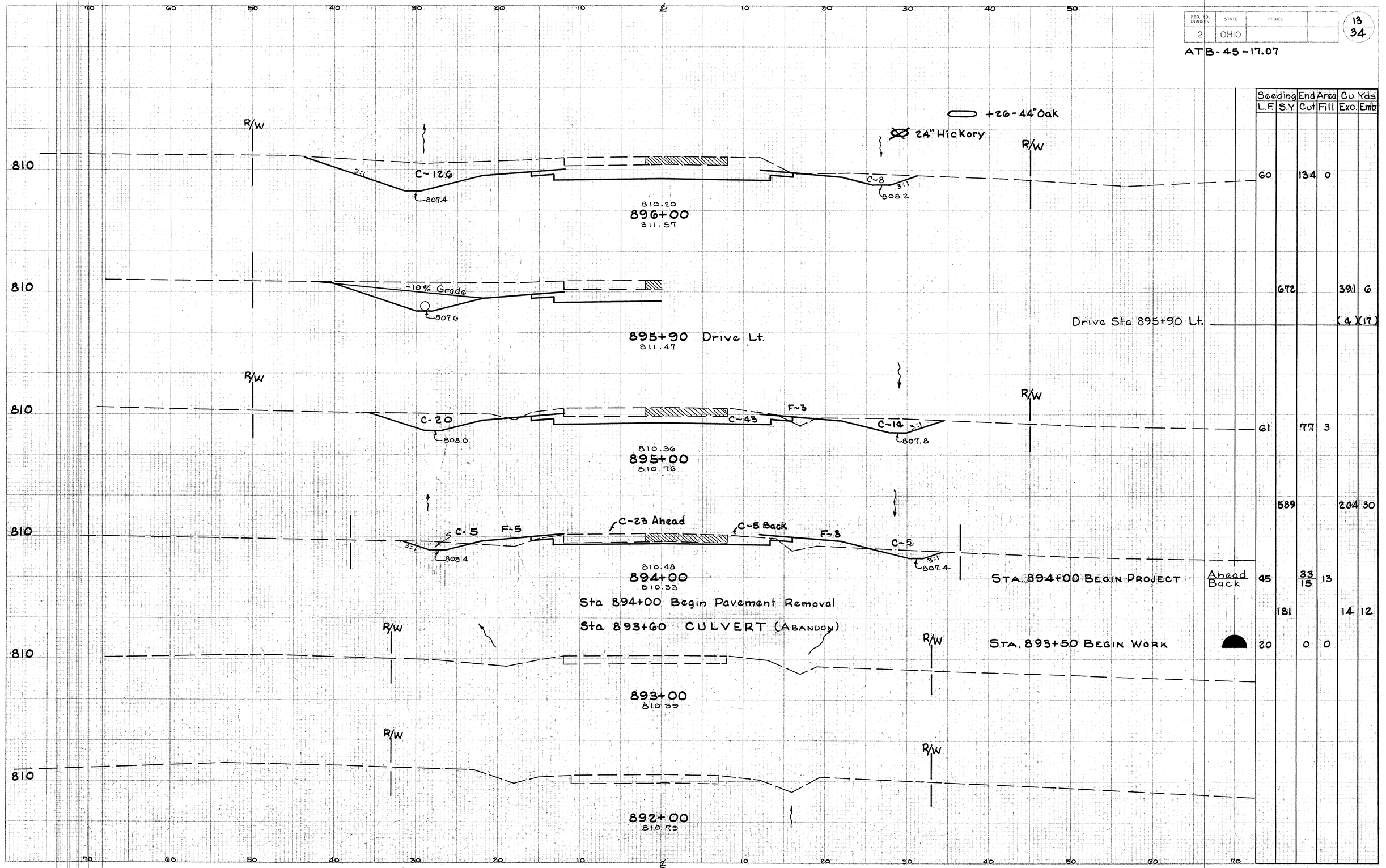
LINE SHEET STA 938+00 TO STA 950+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

13
34

ATB-45-17.07

	Seeding		End Area		Cu. Yds.	
	L.F.	S.Y.	Cut	Fill	Exc.	Emb.
896+00	60		134	0		
		672			391	6
Drive Sta 895+90 Lt.					(4)	(17)
895+00	61		77	3		
		589			204	30
894+00	45		33 / 15	13		
		181			14	12
893+00	20		0	0		
892+00						



CROSS SECTIONS STA. 892+00 TO STA. 896+00

FED. RD DIVISION	STATE	PROJECT	
2	OHIO		

14
34

ATB-45-17.07

Sta. 902+00 End Pav't Removal

C-97 2:1 F-4 C-6 C-3 F-6 C-63 3:1 R/W

901+47.90
802.36

C-104 2:1 C-47 F-1 C-73 2½:1 R/W

804.29
901+00
804.87

Sta 900+37.5 End Guard Rail Lt.

Sta 900+65 F'ld Drive Lt.

C-216 2:1

806.18
900+00
808.50

C-216 2:1

F-20 3:1

899+34
809.95

C-164 3:1 3:1

+90 24" W.Cherry

+69 18" W.Cherry

+62 30" Maple

+34 18" W.Cherry

807.71
899+00
810.34

F-24 3:1

Sta. 898+75 End Sodded Ditch Lt.

Sta 898+75 Begin Guard Rail Lt.

+34 14" Apple

C-180 3:1

806.4

808.90
898+00
811.32

+66 14" Apple

Sta. 898+00 Begin Sodded Ditch Lt.

+10% Grade

Drive Sta. 897+39

897+39 Drive Rt.
811.74

R/W C-178 3:1 3:1 R/W

807.0 808.6

809.72
897+00
811.84

Sta. 896+00

	Seeding		End Area		Cu. Yds.	
	L.F.	S.Y.	Cut	Fill	Exc.	Emb.
	75		169	10		
		375			349	10
	66		224	1		
		644			815	2
Sta 900+65 F'ld Drive Lt.					(15)	(3)
	50		216	0		
		403			528	24
	60		216	20		
		236			239	28
	65		164	24		
		694			637	44
	60		180	0		
		678			663	0
Drive Sta. 897+39					(42)	(0)
	62		178	0		
		678			561	0
	60		125	0		

Excavation	4735 C.Y.
Embankment	255 C.Y.
Seeding	5573 S.Y.

CROSS SECTIONS STA. 897+00 TO STA. 901+47.90

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

15
34

ATB-45-17.07

790

R/W

+71 24" Maple

+93 24" Maple

Sta. 904+00 End Sodded Ditch Lt.

+56 24" Maple

+57 12" Maple

4:1

F-535

4:1

R/W 84'

796.50
904+00
791.87

+54 10" Maple

C-3

4:1

794.0

790

F-440

R/W 84'

Sta. 903+25 BEGIN Sodded Ditch Lt.

+33 14" Hickory

798.02
903+50
792.57

C-12

+85
18" Ash
797.0

F-390

790

+79 12" W. Cherry

R/W 83.5'

799.45
903+00
794.17

C-85

F-260

795

R/W 83'

+89 10" Ash

4:1

800.80
902+50
796.39

+39 16" Maple

Sta. 902+50 END Sodded Ditch Rt.

R/W

2:1

C-81

C-33

3:1

F-72

R/W

795

802.05
902+00
799.19

Sta. 902+00 Begin Sodded Ditch Rt.

Sta 901+47.90

Seeding L.F.	Seeding S.Y.	End Area Cut	End Area Fill	Cu. Yds. Exc.	Cu. Yds. Emb.
102		0	535		
	553			3	903
97		3	440		
	534			14	769
95		12	390		
	570			90	602
110		85	260		
	503			185	308
71		114	72		
	423			273	79
75		169	10		

CROSS SECTIONS STA. 902+00 TO STA. 904+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

16
34

ATB-45-17.07

R/W 89.5'
795
3:1
C-1215
R/W 87'
787.63
907+00
796.73
3:1
R/W 84.5'

795
3:1
C-998
788.76
906+50
796.37
R/W 84.5'
R/W 83.5'

795
3:1
C-640
790.07
906+00
795.87
R/W 84'
R/W 83.5'

R/W
790
3:1
C-88
791.55
905+50
791.87
R/W 83.5'

790
C-5
F-14
C-6
4:1
F-80
3:1
793.20
905+00
791.67

790
R/W
4:1
F-316
794.90
904+50
791.57
R/W 83.5'

Sta. 904+00 Begin Pavement Removal

Sta. 905+50 Fld Drive Lt. (G)(G)

Sta. 904+00

Seeding L.F.	Seeding S.Y.	End Area Cut	End Area Fill	Cu. Yds. Exc.	Cu. Yds. Emb.
127		1215	0		
	681			2049	0
118		998	0		
	603			1527	0
99		640	0		
	447			674	0
62		88	0		
	353			92	87
65		11	94		
	417			10	380
85		0	316		
	520			0	788
102		0	535		

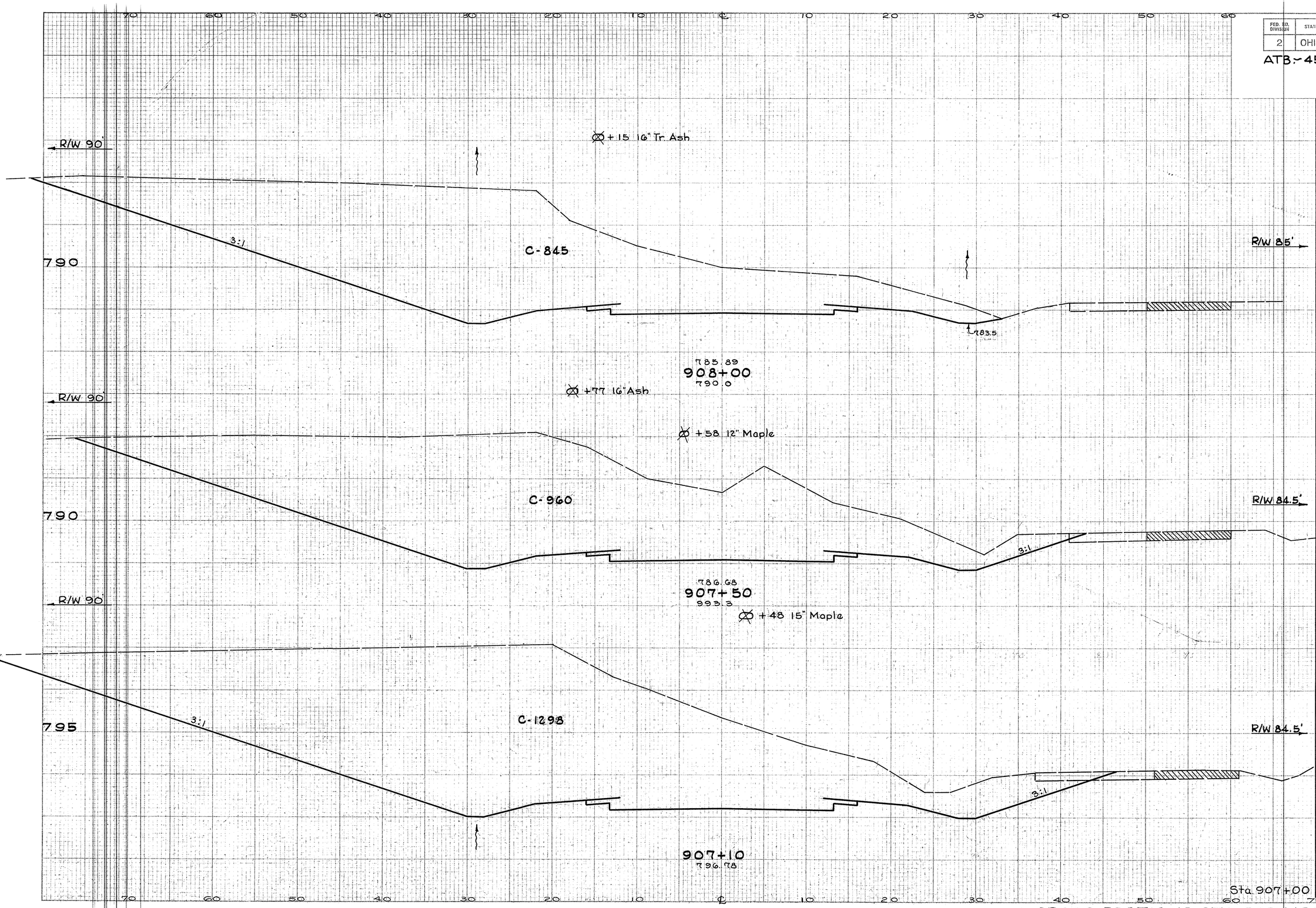
CROSS SECTIONS STA. 904+50 TO STA. 907+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

17
34

ATB-45-17.07

SEEDING	END AREA		C.U. YDS.	
L.F.	S.Y.	CUT	FILL	EXC.	EMB.
131		845	0		
720			1672	0
128		960	0		
580			1673	0
133		1298	0		
144			465	0
127		1215	0		



CROSS SECTIONS STA. 907+10 TO STA. 908+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

18
34

ATB~45~17.07

	SEEDING		END AREA		CU. YDS.	
	L.F.	S.Y.	CUT	FILL	EXC	EMB
	100		0	646		
		272			0	540
	96		0	520		
		258			55	279
	90		119	82		
		489			1224	64
	137		1443	0		
		859			2445	0
Sta. 908+00	131		845	0		

R/W 90'

770

2:1

F-646

784.59
909+50
773.8

4:1

1/2" per ft.

R/W 87'

R/W 90'

770

2:1

F-520

1/2" per ft.

R/W 86.5'

Sta. 909+25 End Paved Gutter Lt.

Sta. 909+09.77 Begin Guard Rail Lt.

784.70
909+25
775.7

R/W 90'

780

C-115

3:1

782.4

F-82

C-4

3:1

779.5

R/W 86'

Sta. 908+95 End Sodded Ditch & Begin Paved Gutter Lt.

Sta. 908+75 Begin Sodded Ditch Lt.

784.85
909+00
783.6

R/W 90'

800

C-1443

3:1

4:1

908+57.7
802.4

781.1

R/W 85'

70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70

CROSS SECTIONS STA. 908+57.7 TO 909+50

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

19
34

ATB~45~17.07

Sta. 912+10 Begin Paved Gutter Lt.

R/W 90'

2:1

F-717

4:1

R/W 90'

770

784.90
912+00
773.0

+62 20" Tw. Walnut

R/W 90'

F-770

4:1

R/W 89'

+54 14" Sycamore

770

+50 18" Sycamore
+46 18" Sycamore
+40 14" Elm

+40 12" Butternut

Sta 911+28.52 End Guard Rail Rt.

784.60
911+50
772.2

+19 12" Butternut

+21 24" Sycamore

R/W 90'

F-725

2:1

4:1

R/W 88.5'

+11 16" Sycamore

770

784.50
911+00
771.9

+93 18" Walnut

+84 14" Elm

Sta. 910+68 Resume Earthwork

R/W 88'

BRIDGE

770

Sta. 910+23 End Earthwork

+38 20" Sycamore

+22 8" Tw. Butternut

+29 12" Butternut

Var.
Var.

R/W 87'

½" per ft.

2:1

F-688

R/W 90'

+04 14" Butternut

Sta. 909+66.02 Begin Guard Rail Rt.

770

784.50
910+00
772.6

Sta. 909+50

	SEEDING		END AREA		CU. YDS.	
	L.F.	S.Y.	CUT	FILL	EXC.	EMB
	105		0	717		
		575			0	1377
	102		0	770		
		567			0	1385
	102		0	725		
		181			0	430
	0		0	0		
		128			1	293
	100		3	688		
		556			3	1236
	100		0	646		

CROSS SECTIONS STA. 910+00 TO STA. 912+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

20
34

ATB-45-17.07

795

790

780

775

775

R/W 90'

R/W 82'

R/W 90'

R/W 90'

R/W 90'

R/W 90'

R/W 90'

R/W 90'

C-636

3:1

3:1

787.00
913+50
798.53

C-296

4:1

F-12

913+01.40
791.98

Sta. 912+75 End Paved Gutter & Begin Sodded Ditch

C-56

783.3

F-24

C-22

F-68

785.73
912+75
784.4

C-5

780.8

F-346

785.40
912+50
777.1

Sta. 912+47.27 End Guard Rail Lt.

C-6

2:1

2:1

773.6

F-600

4:1

912+30
777.7

Sta. 912+00

	C.Y.	C.Y.	S.Y.
Excavation	14,752		
Embankment	10,836		
Seeding	12,709		

SEEDING L.F.	SEEDING S.Y.	END AREA CUT	END AREA FILL	CU.YDS. EXC	CU.YDS. EMB
94		636	0		
	502			831	11
92		296	12		
	279			183	51
98		79	92		
	265			38	203
93		5	346		
	214			4	350
100		6	600		
	342			0	732
105		0	717		

CROSS SECTIONS STA. 912+30 TO STA. 913+50

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

21
34

ATB-45-17.07

R/W 81'

790
R/W 89'

790
R/W 90'

785
R/W 90'

785
R/W 90'

790

1½" per ft.

F-252

788.6

794.03
916+00
791.67

2:1

R/W

F-204

788.3

792.50
915+50
790.16

3:1

STA 915+25 BEGIN GUARD RAIL Rt.

+20 14" Hickory

C-369

3:1

788.0

C-2

F-78

4:1

R/W

790.90
915+00
786.3

+50 18" Ash

C-295

787.0

F-82

789.40
914+50
786.8

R/W

C-992

8:1

F-45

4:1

788.10
914+00
792.78

R/W

Sta. 913+50

Seeding L.F.	Seeding S.Y.	End Area Cut	End Area Fill	Cu. Yds. Exc.	Cu. Yds. Emb.
85		0	252		
	403			0	422
60		0	204		
	456			342	261
104		369	78		
	567			615	148
100		295	82		
	614			1192	118
121		992	45		
	597			1508	42
94		636	0		

CROSS SECTIONS STA. 914+00 TO STA. 916+00

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	

22
34

ATB-45-17.07

	Seeding		End Area		Cu. Yds.	
	L.F	S.Y.	Cut	Fill	Exc.	Emb
	68		255	0		
		378			472	0
Sta 921+50 Ahead	68		255	0		
Back	0		74			
Sta 920+95.55 Lampson Rd. Intersection		0			276	0
		(172)			(1732)	(7)
Sta. 920+50 Ahead	0		75	0		
Back	73		250			
		406			463	0
	73		250	0		
		767			1041	0
	65		312	0		
Sta. 918+95 Drive Lt.					(360)	(0)
Sta. 918+00 End Sodded Ditch Rt.						
		818			1080	0
		330			298	10
	78		169	13		
Sta 917+25. End Guard Rail Rt.						
Sta. 917+10 Begin Sodded Ditch Rt.						
		431			247	132
	80		97	129		
		431			92	310
	75		2	205		
		445			2	423
Sta. 916+00	85		0	252		

CROSS SECTIONS STA. 916+50 TO STA. 922+00

FED. HIG. DIVISION	STATE	PROJECT	
2	OHIO		

ATB-45-17.07

23
34

Sta 926+10 End Sodded Ditch Lt.

+21 24" Maple

+0530" Maple

+78 28" Maple

+30 12" Maple

R/W

C-3

4:1

3:1

2:1

793.3

F-267

799.50

926+00

794.19

4:1

2:1 C-14 2:1

792.2

R/W

Sta 925+50 Begin Sodded Ditch Lt.

+63 24" Hickory

Drive Sta. 925+46

-10% Grade

925+46 Drive Rt.

796.03

792.4

7985

F-125

4:1

Sta 925+00 End Pavement Removal

800.10

925+00

797.70

C-2

2:1

2:1

792.6

+59 24" Maple

+35 12" Maple

+10 24" Maple

C-72

F-17

C-124

2½:1

798.2

800.70

924+00

801.90

+87 12" Maple

-10% Grade

+18 12" Maple

800.0

923+59 Drive Lt.

802.55

+99 28" Maple

+84 16" Maple

+68 26" Maple

+54 24" Maple

799.7

C-240

3:1

801.30

923+00

803.92

R/W

+14% Grade

922+46 Drive Rt.

804.23

R/W

-10% Grade

799.4

922+30 Drive Lt.

804.17

	Seeding		End Area		Cu. Yds.	
	L.F.	S.Y.	Cut	Fill	Exc	Emb
	81		17	267		
Drive Sta 925+46						(7) (44)
		756			35	726
	55		2	125		
		667			367	233
	65		196	1		
Drive Sta 923+59						(39) (0)
		694			807	2
	60		240	0		
		711			917	0
Drive Sta 922+46						(83) (0)
Drive Sta 922+30						(8) (26)
Sta 922+00	68		255	0		

Excavation 10,468 C.Y.
Embankment 2,818 C.Y.
Seeding 10,586 S.Y.

CROSS SECTIONS STA. 922+30 TO STA. 926+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

24
34

ATB-45-17.07

Sta. 930+40 End Sodded Ditch Rt.

R/W

F-740

785

C-15

784.5

797.10
930+00
786.58

CULVERT STA 929+10

Sta 929+35 End Sodded Ditch Lt.

F-868

½" per ft

C-12

785.5

C-8

782.5

C-5

781.5

797.70
929+00
786.59

Sta. 928+25 Begin Guard Rail Lt.

Sta. 928+85 Begin Sodded Ditch Rt.

+68 20" Maple

F-750

C-7

791.1

Sta 928+00 Begin Sodded Ditch Lt.

798.30
928+00
787.94

Sta 927+25 Begin Guard Rail Rt.

+56 14" Maple

+33 12" Maple

+23 32" Maple

+23 26" Maple

F-416

C-42

791.9

+91 12" Ash

C-18

791.6

+64 26" Maple

+42 20" Maple

798.90
927+00
790.64

+35 12" Maple

Sta 926+00

	Seeding		End Area		Cu. Yds	
	L.F.	S.Y.	Cut	Fill	Exc.	Emb
	96		23	740		
		1061			74	2978
	95		17	868		
	1050				44	2996
	94		7	750		
	1022				54	2159
	90		22	416		
	950				72	1265
	81		17	267		

CROSS SECTIONS STA 927+00 TO STA 930+00

FED. RD. DIVISION	STATE	PROJECT		25 / 34
2	OHIO			

ATB-45-17.07

Sta. 934+25 End Sodded Ditch Rt.

R/W — 4:1 — F-280 — 4:1 — R/W — C-2 — 794.0

799.66
934+00
795.08

4:1 — F-360 — 4:1 — C-3 — 792.5

798.09
933+00
792.32

Sta. 932+75 Begin Sodded Ditch Rt.

+65 42" Stump

Sta. 932+75 End Guard Rail Lt.

-10% Grade

Drive Sta 932+55

932+55 Drive Rt.
791.19

2½:1 — F-413 — 6:1

C-13 — 2:1 — 2:1

797.14
932+00
789.75

+79 12" Maple

Sta. 931+00 End Guard Rail Rt.

R/W — 2:1 — F-567 — 4:1 — R/W

C-5

796.81
931+00
787.60

Sta 930+00

	Seeding		End Area		Cu. Yds.	
	L.F.	S.Y.	Cut	Fill	Exc.	Emb.
	68		2	280		
Excavation 1454 C.Y.						
Embankment 17,336 C.Y.						
Seeding 10,054 S.Y.						
		794			9	1185
	75		3	360		
						(5)(34)
		856			30	1431
	79		13	413		
		950			33	1815
	92		5	567		
		1044			52	2421
	96		23	740		

CROSS SECTIONS STA. 931+00 TO STA 934+00

FED. HD. DIVISION	STATE	PROJECT	
2	OHIO		

26
34

ATB-45-17.07

STA. 939+50 END WORK

R/W

+88 22" Maple

+55 24" Maple

+22 24" Maple

938+00
803.22

R/W

937+27 Drive Lt.
803.10

Sta. 937+25

C-44 3:1 F-3 C-3 C-4 C-40

STA. 937+00 END PROJECT

937+00
802.86

R/W

C-62 3:1 F-4 C-2 C-4 C-56 2:1

+89 14" Maple

+56 18" Maple

+22 16" Maple

806.9
936+58.13
802.55

C-144 2:1 F-9 C-18 3:1 F-5

802.38
936+00
801.09

Drive Sta. 935+76 (10)(1)

935+76 Drive Rt.
800.33

R/W

C-46 2:1 F-118 C-20 3:1

798.9

801.28
935+00
798.15

+96 -24" Stump

+63 -18" Stump

Sta. 934+00

	Seeding		End Area		Cu. Yds.	
	L.F.	S.Y.	Cut	Fill	Exc.	Emb.
	20		5	0		
		113			45	2
	61		91	3		
		298			167	5
	67		124	4		
		433			308	19
	67		162	14		
		739			422	244
	66		66	118		
		744			122	737
	68		2	280		

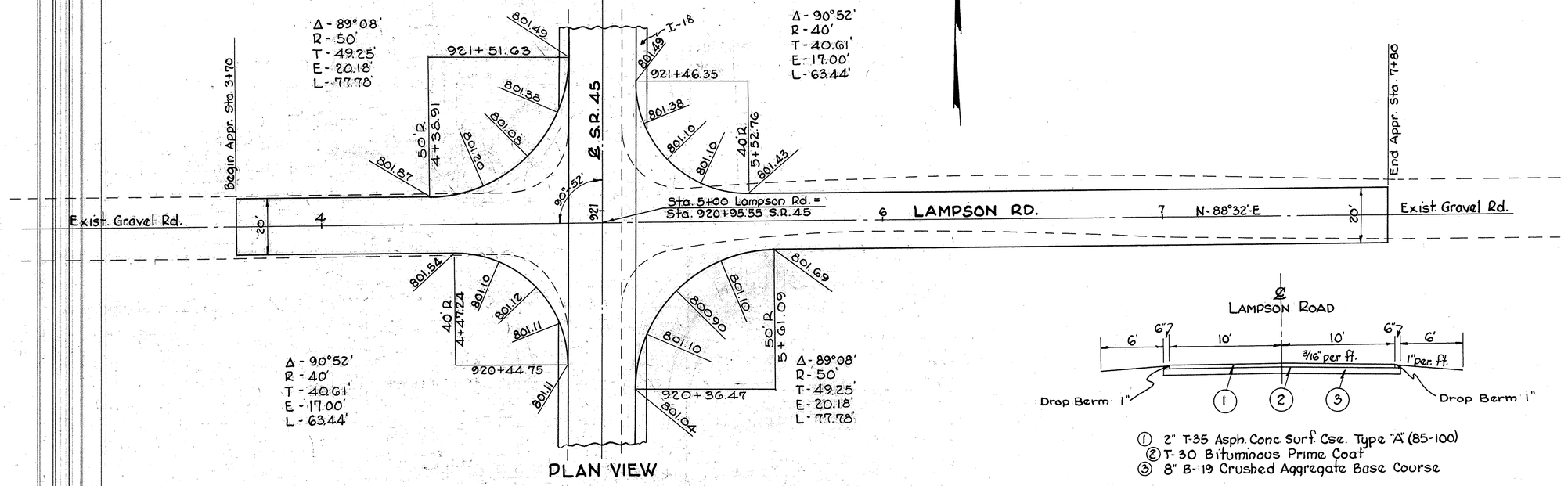
CROSS SECTIONS STA 935+00 TO STA 939+50

INTERSECTION DETAIL STA. 920+95.55

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

27
34

ATB-45-17.07

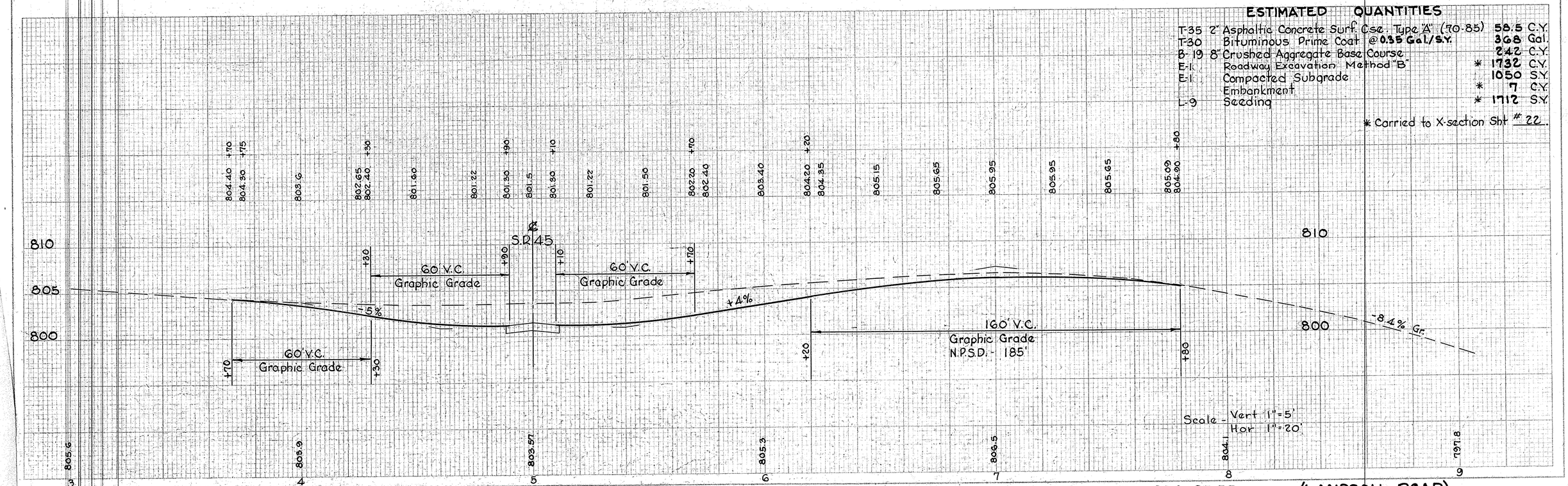


① 2" T-35 Asph. Conc. Surf. Cse. Type "A" (85-100)
② T-30 Bituminous Prime Coat
③ 8" B-19 Crushed Aggregate Base Course

ESTIMATED QUANTITIES

T-35	2" Asphaltic Concrete Surf. Cse. Type "A" (70-85)	58.5	C.Y.
T-30	Bituminous Prime Coat @ 0.35 Gal./S.Y.	368	Gal.
B-19	8" Crushed Aggregate Base Course	242	C.Y.
E-1	Roadway Excavation Method "B"	* 1732	C.Y.
E-1	Compacted Subgrade	1050	S.Y.
	Embankment	* 7	C.Y.
L-9	Seeding	* 1712	S.Y.

* Carried to X-section Sht # 22.

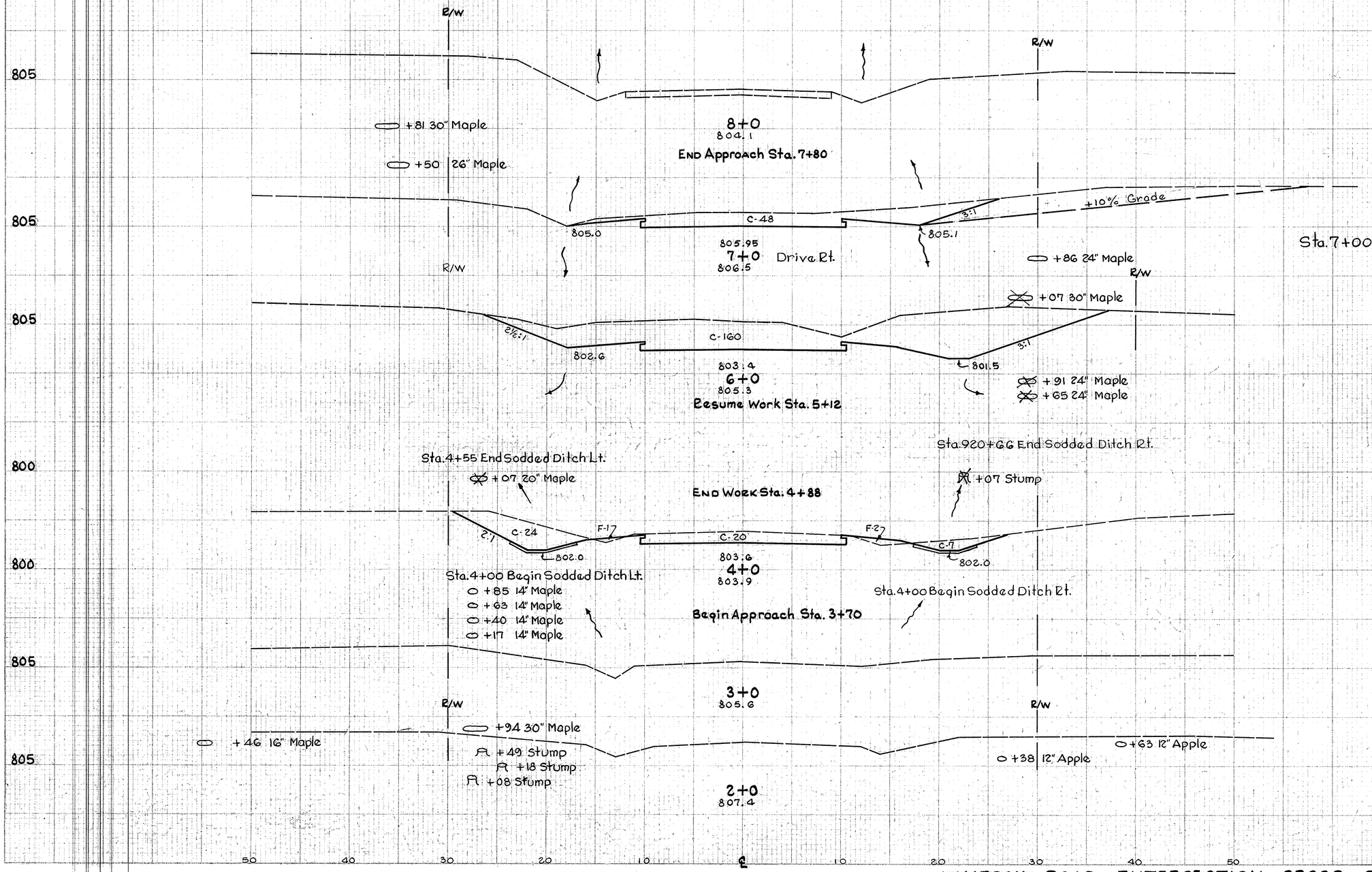


INTERSECTION DETAIL STA. 920+95.55 (LAMPSON ROAD)

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

28
34

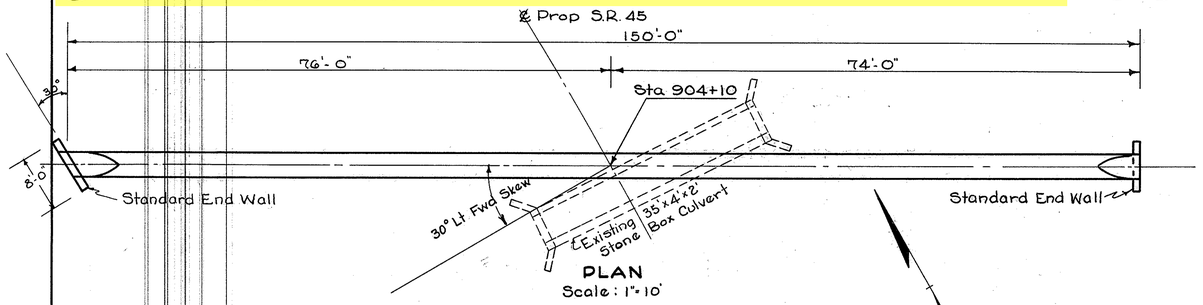
ATB-45-17.07



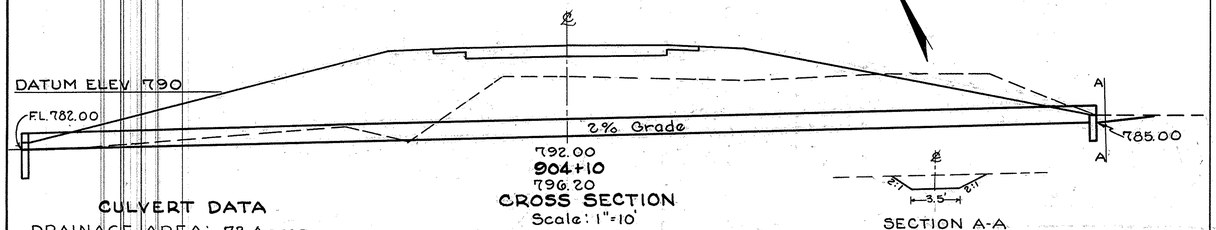
Seeding		End Area		Cu. Yds.	
L.F.	S.Y.	Cut	Fill	Exc	Emb.
20		20	0		
	258			101	0
				(70)	(0)
38		48	0		
	500			200	0
52		160	0		
	450			750	0
40		300	0		
40		300	0		
	401			572	5
42		51	3		
	103			39	2
20		20	0		
Totals	1712			1732	7

LAMPSON ROAD INTERSECTION CROSS SECTIONS STA. 920+95.55

STRUCTURE No. ATB-45-1726 STA. 904+10 C-1



PLAN
Scale: 1"=10'



CROSS SECTION
Scale: 1"=10'

SECTION A-A

CULVERT DATA

DRAINAGE AREA: 72 Acres
TYPE: Standard Pipe Culvert
SIZE: 42"x150'-0"
SKEW: 30° Left Forward
STD DRWGS: S-27 P.C.3 ; S-27 P.C.4
WORK REQ'D: Remove and dispose existing structure. Build 42"x150'-0" Standard Pipe Culvert as shown. Excavate inlet and outlet channels as directed by the Engineer.

ESTIMATED QUANTITIES

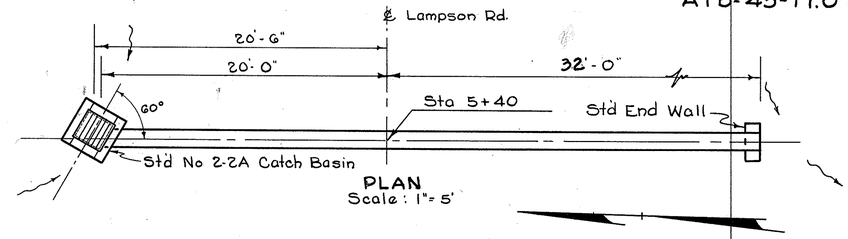
E-2	Excavation for Structures	145 C.Y.
E-3	Channel Excavation	1 C.Y.
S-1	Concrete for Structures (Class "E")	1.7 C.Y.
S-24	Removal of Existing Structure	Lump
S-27	42" Pipe for Roadway Culverts	150 L.F.

STRUCTURE No. ATB-45-1758 S.R.R. STA. 5+40 ON APPROACH C-3

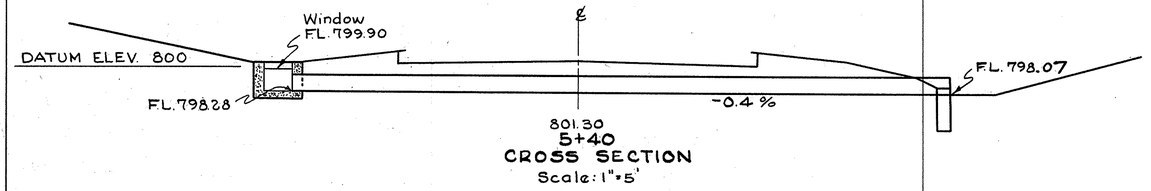
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

29/34

ATB-45-17.07



PLAN
Scale: 1"=5'



CROSS SECTION
Scale: 1"=5'

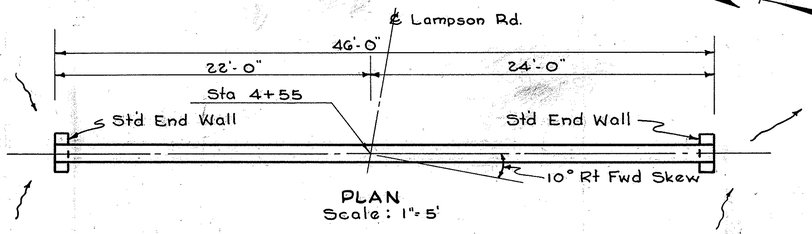
CULVERT DATA

DRAINAGE AREA: 0.5 Acre
TYPE: Standard Pipe Culvert
SIZE: 15"x52'-0"
SKEW: None
STD DRWGS: S-27 P.C.3 ; S-27 P.C.4
WORK REQ'D: Remove existing Structure Build new 15"x52'-0" Standard Pipe Culvert and connect into a Standard 2-2A Catch Basin as shown.

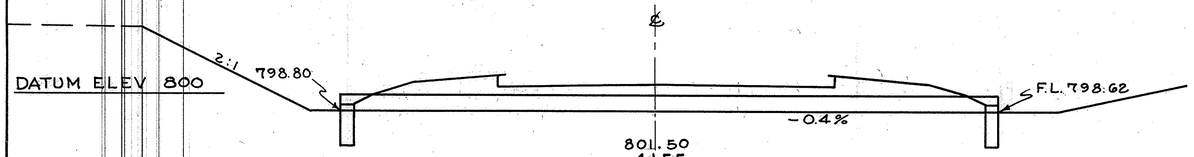
ESTIMATED QUANTITIES

E-2	Excavation for Structures	9 C.Y.
S-1	Concrete for Structures (Class "E")	0.3 C.Y.
S-27	15" Pipe for Roadway Culverts M-6.4(d)	52 L.F.
I-8	Standard 2-2A Catch Basin	1 Each
E-12	Pipe Removed, 15" and Under	32 L.F.

STRUCTURE No. ATB-45-1758 S.R.L. STA. 4+55 ON APPR. C-2



PLAN
Scale: 1"=5'



CROSS SECTION
Scale: 1"=5'

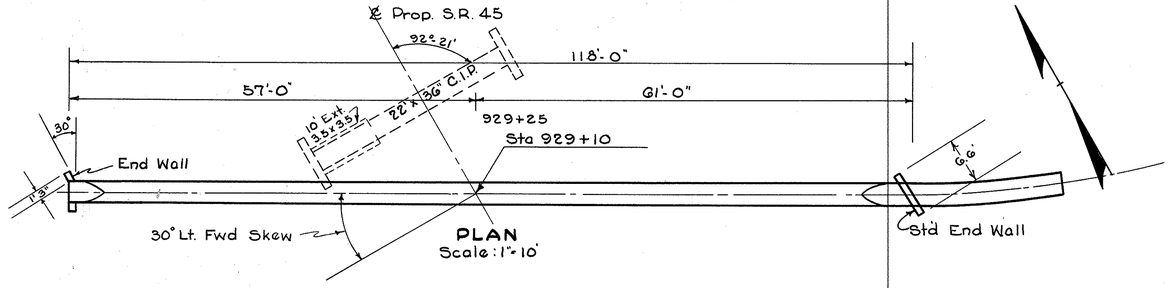
CULVERT DATA

DRAINAGE AREA: 1.4 Acres
TYPE: Standard Pipe Culvert
SIZE: 15"x46'-0"
SKEW: 10° Right Forward
STD DRWGS: S-27 P.C.3; S-27 P.C.4
WORK REQ'D: Remove and dispose existing structure as directed by the Engineer. Build new 15"x46'-0" Standard Pipe Culvert as shown.

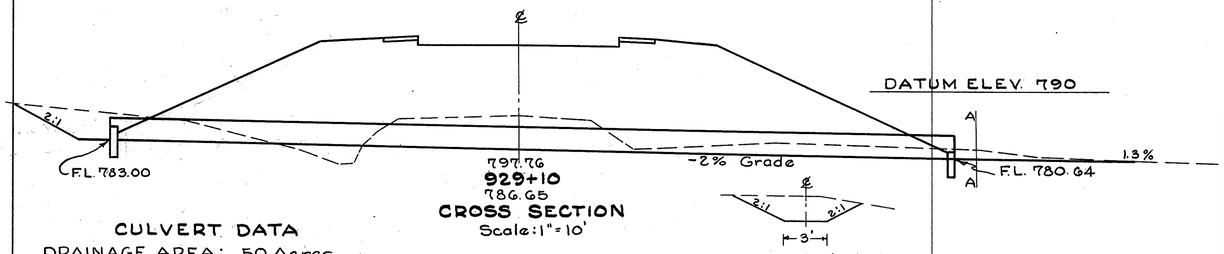
ESTIMATED QUANTITIES

E-2	Excavation for Structures	8 C.Y.
S-1	Concrete for Structures (Class "E")	0.5 C.Y.
S-27	15" Pipe for Roadway Culverts M-6.4(d)	46 L.F.
E-12	Pipe Removed, 15" and Under	32 L.F.

STRUCTURE No. ATB-45-1773 STA. 929+10 C-4



PLAN
Scale: 1"=10'



CROSS SECTION
Scale: 1"=10'

SECTION A-A

CULVERT DATA

DRAINAGE AREA: 50 Acres
TYPE: Standard Pipe Culvert
SIZE: 36"x118'-0"
SKEW: 30° Left Forward
STD DRWGS: S-27 P.C.3 ; S-27 P.C.4
WORK REQ'D: Remove and dispose existing 36"x32' structure. Build new 36"x118' Standard Pipe Culvert as shown. Excavate outlet channel as directed by the Engineer.

ESTIMATED QUANTITIES

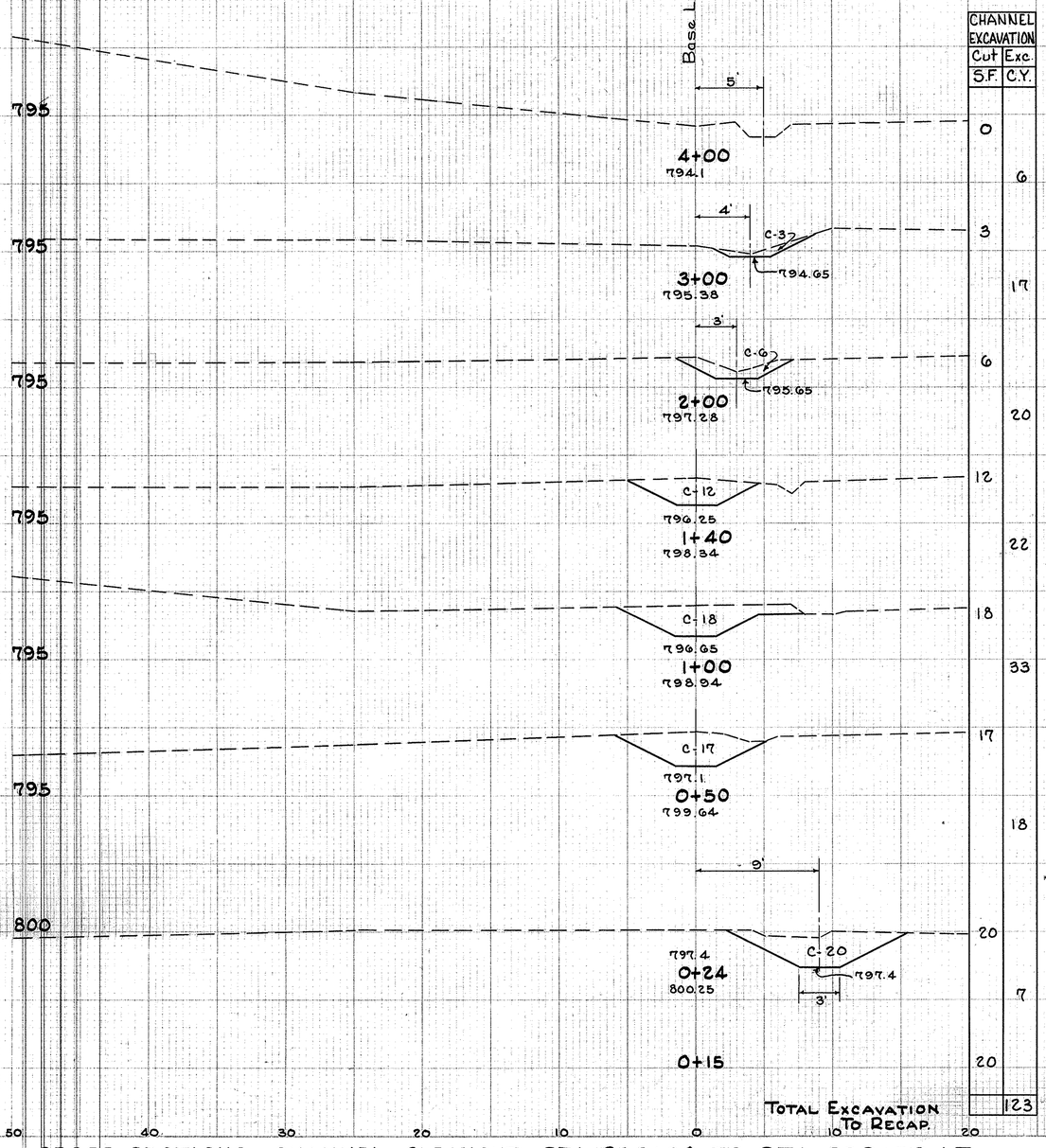
E-2	Excavation for Structures	53 C.Y.
E-3	Channel Excavation	3 C.Y.
S-1	Concrete for Structures (Class "E")	1.0 C.Y.
S-24	Removal of Existing Structures	Lump
S-27	36" Pipe for Roadway Culverts	118 L.F.

DRAINAGE STRUCTURES C-1, C-2, C-3 & C-4

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

30
34

ATB-45-17.07

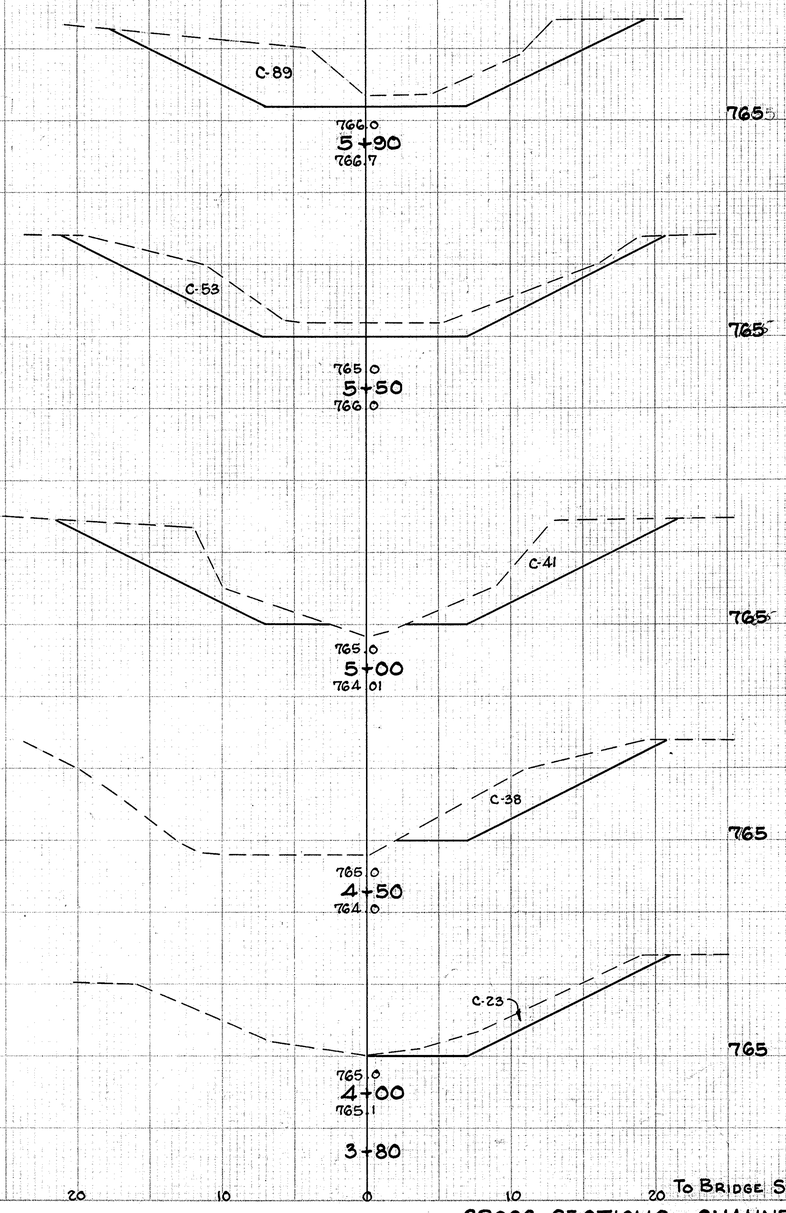


CHANNEL EXCAVATION	
Cut S.F.	Exc. C.Y.
0	
	6
3	
	17
6	
	20
12	
	22
18	
	33
17	
	18
20	
	7
20	
123	

TOTAL EXCAVATION TO RECAP.

CROSS SECTIONS - CHANNEL CLEANOUT STA 936+00 TO STA 939+50 LT.

℄ CENTER CREEK



CHANNEL EXCAVATION	
Cut S.F.	Exc. C.Y.
0	
	50
89	
	105
53	
	118
74	
	104
38	
	57
23	
	9
0	
	443

To Bridge Summary Total Excavation (Sheet #32)

CROSS SECTIONS - CHANNEL EXCAVATION - CENTER CREEK

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

31
34

ATB-45- 17.07

1.5± Miles South of Austinburg

Sta. 910+18.18 → Prop. ℄ S.R. 457 ← Sta. 910+68.18
Gr. El. 772.51 — Gr. El. 772.51
45.85 — 62.40 — 45.95
℄ Exist. S.R. 45 — Exist. Bridge

P.O.T. STA. 910+18.18 & 910+68.18

STA. 910+00 = S.L.M. - 17.33

6 Mi. To Rock Creek

1.5 Mi. To Austinburg

℄ Prop. S.R. 45
N-1°25'-W

℄ Exist. S.R. 45

P.I. Sta. 4+58
Δ = 24° L+
R = 100'

Excavate Channel to El. ± 765.0

CREEK CENTER

End approach slab Sta 910+01.00

Begin approach slab sta 910+87.00

Transition 4:1 to 2:1 slope

Transition 2:1 to 4:1 slope

Excavate channel to Elev. 765.0'

Base Line for Channel Excavation

Bridge

Limits

Sta. 910+01.00

Sta 910+87.00

P.C. Sta. 913+01.40

+97.27

+91.02

6.25

910+44 5.00

12" Tw. Elm
12" Elm
24" Syc.
12" Syc.
12" Elm
20" Syc.
22" Syc.
14" Tw. Elm
5-16" Willows
14" Willow
12" Ash
14" Syc.
16" Syc.
20" Syc.
18" Walnut
12" Butternut
14" Butternut
8" Tw. Butternut
24" Syc.
20" Tw. Walnut
12" Butternut
18" Syc.
18" Syc.
14" Elm
12" Aspen
12" Aspen
12" Elm
14" Hickory
12" Tw. Hickory
14" Syc.
14" Syc.
12" Tw. Hickory
14" Ash
12" Syc.
12" Syc.

BM #3 Top Of R/W Marker
91' Rt. Of Sta. 912+98
El. 783.555

Clears 10yr. H.W. 5.4'±

500' V.C.
P.I. STA 907+50
El. 784.50

400' V.C.
P.I. STA. 913+00
El. 784.50

0.00%

Prop. Grade

Bench Elev. 780.9±
All piling 14" ø cast-in-place reinforced concrete
Estimated Average Pay Length of Piles:
Both Abutments = 30'
Both Piers = 35'

High Water Elev. 777.5 10yr. Storm
Bench Elev. 780.9±
Normal Water Elev. 767.5

Excavate channel to Elev. 765.0 through structure

	908		909		910		911		912		913	
	785.89	785.56	785.28	785.04	784.85	784.70	784.59	784.52	784.50	784.50	784.53	784.60
	784.73	784.90	785.13	785.40	785.73	786.10						
	790.00		783.60		775.70	773.80	772.60	772.51	771.71	767.51	764.01	767.51
	772.11	772.51	771.91	772.21	773.00	774.70	777.10	784.43	787.91	791.43	800.23	
	+25							+18.18 P.O.T.	+32	+34	+45	+53
	+57	+68							+30	+50	+75	+91.39
	+31											

EXISTING BRIDGE DATA - ATB-45-1738

TYPE: Thru Plate Girder
SPAN: 37'-5 3/8"
RDWY: 16'
LOADING: H-15
SKEW: 0°
CONDITION: Poor
DATE BUILT: 1914

DRAINAGE AREA 9.3 Sq. Mi.

PROPOSED STRUCTURE

TYPE: Continuous reinf. conc. slab with capped pile substructure.
SPANS: 26'-32.5'-26' c/c brgs.
ROADWAY: 44'-0" f/f of guard rails.
LOAD FREQUENCY: CF=400 (57)
SKEW: None
WEARING SURFACE: 1" Mono. conc.
APPROACH SLABS: AS-1-54 (25' long)
ALIGNMENT: Tangent.

FOUNDATION SOUNDINGS: Foundation design and foundation quantities are based on a study of rod soundings and soil-sampling soundings made at the site. This sounding information may be inspected in the office of the Bureau of Bridges in Columbus or in the District office, but the State does not guarantee the accuracy thereof.

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
BUREAU OF BRIDGES

SITE PLAN

BRIDGE NO. ATB-45-1738
OVER CENTER CREEK
ASHTABULA CO. S.R. 45
SEC. STA. 910+01.00 910+87.00
SCALE 1"=20'

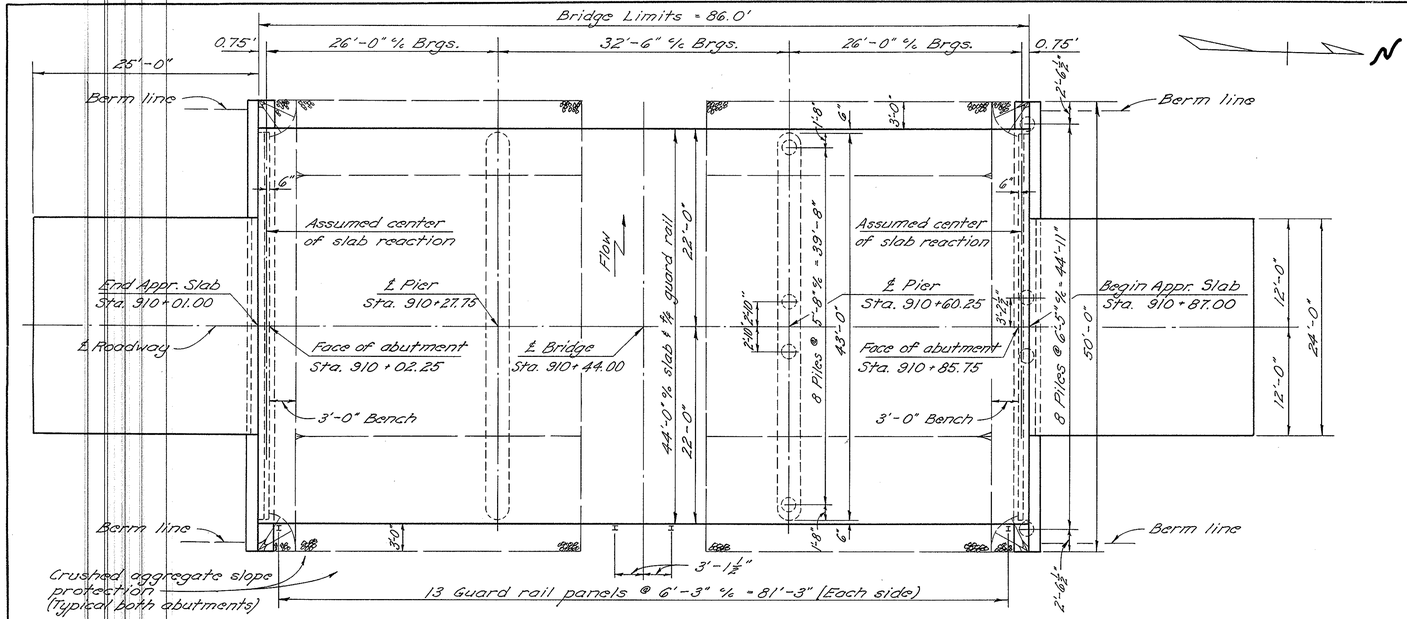
PRESENT TOPOGRAPHY		PROPOSED WORK			
SURVEYED	DRAWN	DESIGNED	DRAWN	CHECKED	REVIEWED
		J.H.B.	J.H.B.	B.D.H.	P.E.S.

BFG 4 ✓ 12-2-58

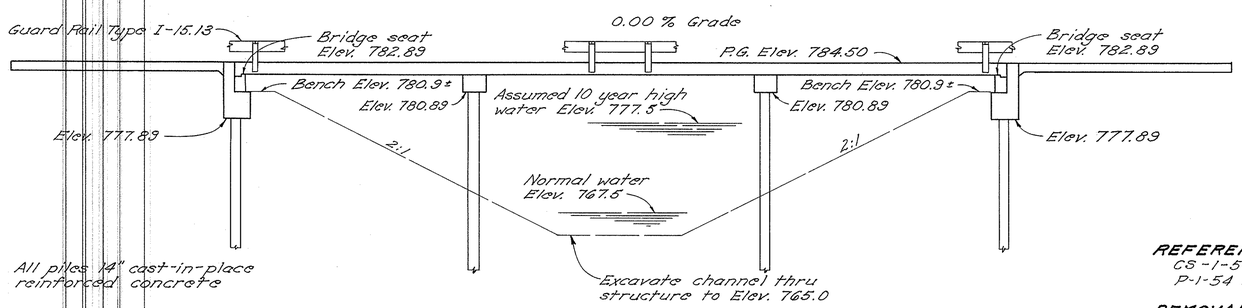
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

32
34

ATB-45-17.07



GENERAL PLAN



ELEVATION

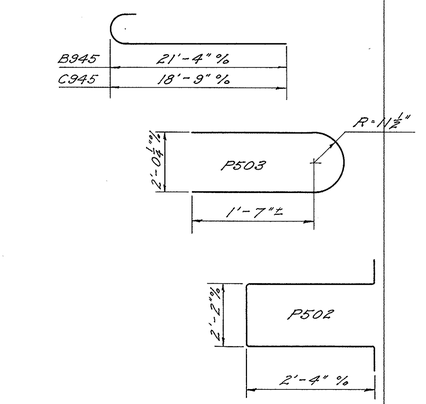
ESTIMATED QUANTITIES

Item	Total	Unit	Description	Superstr.	Piers	Abuts.	Gen.
E-2	58	cu.yd.	Unclassified excavation			58	
E-3	443	cu.yd.	Channel excavation				443
S-1	196	cu.yd.	Class "C" concrete, superstructure and pier caps	180	16		
S-1	51	cu.yd.	Class "E" concrete, abutments			51	
S-4	51,147	lb.	Reinforcing steel	41,032	4405	5650	
S-14	172	lin.ft.	Railing (Type I-15.13 with galvanized steel posts and bolts)	172			
S-16	1	lump	sum	First test pile			1 lump
S-18	1040	lin.ft.	14" Cast-in-place reinforced concrete piles		560	480	
S-24	1	lump	sum	Removal of existing structure			1 lump
S-29	16	cu.yd.	Porous backfill			16	
I-10	366	sq.yd	Crushed aggregate slope protection				366

REINFORCING STEEL LIST

Mark	No.	Length	Weight	Shp.
Superstructure				
A945	114	30'-6"	11,822	S
B945	38	22'-5"	2,896	B
C945	38	19'-10"	2,562	B
D945	19	21'-4"	1,378	S
E945	19	16'-10"	1,087	S
F945	88	24'-0"	7,181	S
G945	44	11'-0"	1,646	S
H945	44	8'-2"	1,222	S
J601	44	15'-10"	1,046	S
K601	22	13'-8"	452	S
M601	93	43'-6"	6,076	S
N601	57	43'-6"	3,724	S
Abutments				
R1001	16	22'-11"	1,578	S
R801	16	26'-1"	1,114	S
R501	16	25'-7"	427	S
R502	156	6'-7"	1,071	B
R503	8	22'-1"	184	S
R504	24	5'-4"	134	S
R505	34	7'-11"	281	B
R506	8	12'-8"	106	S
R507	16	4'-11"	82	S
R508	28	6'-8"	195	B
R509	28	8'-5"	246	B
R401	64	5'-5"	232	B

Bending Diagrams



Mark	No.	Length	Weight	Shp.
Piers				
P1001	8	43'-6"	1,497	S
P901	8	40'-6"	1,402	S
P701	96	4'-0"	785	S
P501	4	40'-6"	169	S
P502	68	8'-0"	567	B
P503	8	6'-4"	58	B
P401	64	5'-5"	232	B
Replacement Bars				
RE1001	1	7'-2"	—	S
RE901	2	6'-10"	—	S
RE801	1	6'-6"	—	S
RE701	1	6'-2"	—	S
RE601	1	5'-11"	—	S
RE501	1	5'-7"	—	S
RE401	1	5'-3"	—	S

REPLACEMENT BARS: If reinforcing bars are fabricated from stock which has previously been tested and approved by the Ohio Highway Testing Laboratory, test samples as provided in Sec. S-4.02 need not be furnished and replacement bars will not be required.

GENERAL NOTES

REFERENCE shall be made to Standard Drawings CS-1-54 revised 7-16-56, A-1-54 revised 12-1-54 and P-1-54 revised 2-2-59

REMOVAL OF EXISTING STRUCTURE: When no longer needed to maintain traffic the existing structure shall be removed.

PILES shall be driven to a minimum bearing capacity of 25 tons per pile for the abutments and 35 tons per pile for the piers.

PIER PILE ENCASEMENT as shown on Std. Dwg. No. P-1-54 may be omitted provided that the tapered portion, if any, of all pier piles does not extend above the stream bed or the proposed surface of the ground. If the tapered portion of any pile extends above these limitations, the encasement will be required for all the pier piles. If the encasement is omitted the pile casings shall have a thickness of metal not less than No. 7 gauge, and the painting of the piles shall extend to low water elevation or, if the proposed surface of the ground is above low water, the painting shall extend to at least one foot below the proposed surface of the ground.

SLAB THICKNESS is 15½" which includes 1" for monolithic wearing surface.

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
DIVISION OF DESIGN AND CONSTRUCTION
BUREAU OF BRIDGES

GENERAL PLAN, ELEVATION, NOTES, ESTIMATED QUANTITIES AND REINFORCING STEEL LIST

BRIDGE NO. ATB-45-1738
OVER CENTER CREEK
STA. 910+01.00
910+87.00
ASHTABULA COUNTY

DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
JDL	JDL		R.L.D.	BFG	12-2-58	

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

1 / 3

ATB-45-17.07

AUSTINBURG TOWNSHIP T-11N LOT #65 R-4W

AUSTINBURG TOWNSHIP T-11N R-4W LOT #55

TONY ZAHTILLA &
EMMA ZAHTILLA

NATALIE F. BAILEY
(1) 1.80 Ac.

BEGIN SHEET

STA 890+00

STA 902+00

MATCH LINE

24" Apple
30" Map.
12" Brick
1 Sty. Fr. Hse
24" Hickory
44 Oak
14" Apple
Mon. Fd.
Wooded Area
Trees all Under 12"
8" Map
8" Elm
18" W. Chy
24" W. Chy
4" Pine
Ever. Shrubs
14" App.
1½ Sty. Fr. Hse
North
R = 21,535.92
R = 21,440.92
P.C. STA. 901+47.90
P.T. STA. 901+22.32
891 892 893 894 895 896 N 1°-00' W 897 898 899 900 901

ANTHONY KASPUTIS &
MARY KASPUTIS
(2) 0.60 Ac.
(2 WA) Drive

P.C. STA 897+47.32

CURVE DATA
PI. Sta 899+34.82
Δ = 1°-00' Rt.
D = 0°-16'
R = 21485.92
T = 187.50
E = 0.82
L = 375.00

AUSTINBURG TOWNSHIP T-11N R-4W LOT #66

AUSTINBURG TOWNSHIP T-11N R-4W LOT #56

AUSTINBURG TOWNSHIP T-11N R-4W LOT #56

AUSTINBURG TOWNSHIP T-11N R-4W LOT #55

NATALIE F. BAILEY
(1)

CURVE DATA
Δ = 1° 25' Lt
D = 0° 15'
R = 22918.33'
T = 283.35'
E = 1.75'
L = 566.67'
PI. Sta. 904+31.25

EXIST. CURVE DATA
Δ = 10° 26' (Old Plan) 10° 32' Field
D = 5° 00'
R = 1146.00'
T = 104.64'
E = 4.76
L = 208.68

P.T. STA. 907+14.57

(3 WA-1) Outlet Ditch

HARRY R. JAEGER &
GERTRUDE M. JAEGER
(3)

EXIST. CURVE DATA
Δ = 11° 45'
D = 6° 00'
R = 954.92
T = 98.27
E = 5.05
L = 195.83

(1 WA) Outlet Ditch

CENTER CREEK

Chord

STA 902+00

STA 914+00

MATCH LINE

END SHEET

24" Map.
12" Map.
10" Map.
24" Map
Mon. Fd.
16" Map.
18" Ash
12" W. Chy
14" Hickory
16" Ash
16" Tr. Ash
15" Map.
18" Elm
30" Map
6" W. Chy.
Exist. P.C.
Exist. P.T.
24" R.C.P.
22" Syc.
24" Syc.
12" Tw. Elm
14" Tw. Elm
5-16" Willows
12" Elm
18" Elm
80" Syc.
14" Willow
12" Ash
16" Syc.
14" Syc.
20" Syc.
14" Butternut
18" Waln.
12" Butternut
8" Tw. Butternut
20" Tw. Walnut
18" Syc.
Electric Fence Wire
12" Aspen
12" Elm
12" Tw. Hickory
Bridge No. ATB-45-1738
14" Ash
903 904 905 906 907 908 909 N 1° 25' W 910 911 912 913

N 9° 51' E 260.93 Calc.

N 0° 41' W 611.60 Calc.

304.50 Calc.

P.C. STA 913+01.40

ANTHONY KASPUTIS &
MARY KASPUTIS
(2)

EXIST. CURVE DATA
Δ = 9° 46' (Old Plan) 9° 51' Field
D = 4° 30'
R = 1273.24'
T = 108.80
E = 4.64'
L = 217.04'

WILLIAM J. BURKE &
ANNASTASIA BURKE
(4) 0.04 Ac.

Parcel 1 WA corrected to 22.45' 5-6-59
Parcel 1 WA Added 4-1-59

RIGHT-OF-WAY SHEET STA. 890+00 TO STA. 914+00

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

2/3

ATB-45-17.07

AUSTINBURG TOWNSHIP T-11N R-4W LOT #55

AUSTINBURG TOWNSHIP T-11N R-4W LOT #45

HARRY R. JAEGER & GERTRUDE M. JAEGER
(3) 1.40 Ac.
(3 WA) Drive

THE CLEVELAND ELECTRIC ILLUMINATING COMPANY, AN OHIO CORPORATION
(5) 0.10 Ac.

ROBERT W. TICKNOR & MARGARET C. TICKNOR & HELEN COWLES HENRY
(6) 0.13 Ac.
(6 WA) Drive

MARGARET C. TICKNOR
(7) 0.59 Ac.
(7 WA) Drive

BEGIN SHEET

STA 914+00

STA 926+00

Lampson Rd. +95.55

Sta. 5+00 Lampson Rd.

EXIST CURVE DATA
Δ=11°51' (Old Plan) 11°50' Fld
D=5°00'
R=1145.92
T=118.92
E=6.16
L=237.0

CURVE DATA
P.I. STA. 915+46.40
Δ = 0°-49' Rt.
D = 0°-10'
R = 34377.50
T = 245.0'
E = 0.87'
L = 490.0'

WILLIAM J. BURKE & ANNASTASIA BURKE
(8) 0.26 Ac.
(8 WA) Drive

P.T. STA. 917+91.40

TH 194

N 88°32' E

Wooded Area

Cemetery

THE TRUSTEES OF AUSTINBURG TOWNSHIP
(9) 0.14 Ac.
(9 WA) Drive

ROBERT W. TICKNOR & MARGARET C. TICKNOR & HELEN COWLES HENRY
(10) 0.12 Ac.

MARGARET C. TICKNOR MATCH LINE (12)

AUSTINBURG TOWNSHIP T-11N R-4W LOT #56

AUSTINBURG TOWNSHIP T-11N R-4W LOT #46

AUSTINBURG TOWNSHIP T-11N R-4W LOT #45

MARGARET C. TICKNOR
(7)

JENNIE PAKKALA & PEARL LANGHEID OWNERS EVELYN LANGHEID LIFE ESTATE
(11) 0.12 Ac.
(11 WA) Outlet Ditch

P.I. Sta. 936+58.13
Δ = 0° 32' Lt.

MARGARET C. TICKNOR
(12) 0.18 Ac.

HAROLD MONTGOMERY JR. & MARY ETTA MONTGOMERY
(13) 0.25 Ac.
(13 WA) Outlet Ditch
(13 WA-1) Drive

PHILLIP W. HUMMEL
(14) 0.08 Ac.

VLADIMIR M. MAKAR AKA VLADIMIR M. MAKER AND PAULINE R. MAKAR AKA PAULINE R. MAKER
(15)

MATCH LINE

END SHEET

STA 926+00

STA 942+00

AUSTINBURG TOWNSHIP T-11N R-4W LOT #46

Coord's of Mons. Rt. & Lt. Sta. 916 Revised 4-6-59
Parcels 6, 10 Revised 4-7-59

RIGHT-OF-WAY SHEET STA 914+00 TO STA 942+00

SUMMARY OF ADDITIONAL R/W REQUIRED

ENG. RD. DIVISION	STATE	PROJECT		
2	OHIO			

3/3

ATB- 45 17.07

PARCEL NO.	OWNER	AREA ACRES	EXIST BLDGS	SHEET NO'S.	REMARKS
1	NATALIE F. BAILEY	1.80		1	
1 WA	NATALIE F. BAILEY			1	OUTLET DITCH
2	ANTHONY KASPUTIS ℄	0.60		1	
2 WA	MARY KASPUTIS			1	DRIVE
3	HARRY R. JAEGER ℄	1.40		1-2	
3 WA	GERTRUDE M. JAEGER			2	DRIVE
3 WA-1	" " "			1	OUTLET DITCH
4	WILLIAM J. BURKE ℄	0.04		1	SEE PARCEL 8
	ANNASTASIA BURKE				
5	THE CLEVELAND ELECTRIC	0.10		2	
	ILLUMINATING COMPANY, AN				
	OHIO CORPORATION				
6	ROBERT W. TICKNOR ℄	0.13		2	SEE PARCEL 10
6 WA	MARGARET C. TICKNOR ℄			2	DRIVE
	HELEN COWLES HENRY				
7	MARGARET C. TICKNOR	0.59		2	SEE PARCEL 12
7 WA	MARGARET C. TICKNOR			2	DRIVE
8	WILLIAM J. BURKE ℄	0.26		2	SEE PARCEL 4
8 WA	ANNASTASIA BURKE			2	DRIVE
9	THE TRUSTEES OF	0.14		2	
9 WA	AUSTINBURG TOWNSHIP			2	DRIVE
10	ROBERT W. TICKNOR ℄	0.12		2	SEE PARCEL 6
	MARGARET C. TICKNOR ℄				
	HELEN COWLES HENRY				
11	JENNIE PAKKALA ℄	0.12		2	
11 WA	PEARL LANGHEID, OWNERS;			2	OUTLET DITCH
	EVELYN LANGHEID,				
	LIFE ESTATE				
12	MARGARET C. TICKNOR	0.18		2	SEE PARCEL 7
13	HAROLD MONTGOMERY, JR. ℄	0.25		2	
13 WA	MARY ETTA MONTGOMERY			2	OUTLET DITCH
14	PHILLIP W. HUMMEL	0.08		2	