

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

D07-BH-FY20(B)

**AUGLAIZE COUNTY, CLARK COUNTY,
MERCER COUNTY, MIAMI COUNTY,
MONTGOMERY COUNTY**

PROJECT DESCRIPTION

DISTRICT WIDE PROJECT TO PERFORM STRUCTURAL STEEL REPAIRS ON VARIOUS BRIDGES THROUGHOUT THE DISTRICT, TO INCLUDE REFURBISH, RESETTling, AND REPLACING BEARINGS, REPLACE STRIP SEAL GLANDS, MINOR BRIDGE DECK PATCHING, AND MINOR SLOPE PROTECTION.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA: N/A *
ESTIMATED CONTRACTOR EARTH DISTURBED AREA: N/A *
NOTICE OF INTENT EARTH DISTURBED AREA: N/A *

* MAINTENANCE PROJECT

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 OHIO REVISED CODE.

2019 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS AND CHANGES 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 MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

ALL LOCATION MAPS
AND DATA ARE LOCATED
ON SHEETS 2-3

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DESIGN DESIGNATION: NONE REQUIRED

DESIGN EXCEPTIONS: NONE REQUIRED

UNDERGROUND UTILITIES

Contact Two Working Days
Before You Dig



OHIO811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)

PLAN PREPARED BY:
ODOT DISTRICT 7 - ENGINEERING
1001 ST. MARYS AVE.
SIDNEY, OHIO 45365

ENGINEERS SEAL:



SIGNED: [Signature]
DATE: 11-15-19

STANDARD CONSTRUCTION DRAWINGS		SUPPLEMENTAL SPECIFICATIONS		SPECIAL PROVISIONS	
	MT-95.30 7-19-19	800	10-18-19		
	MT-95.31 7-19-19	821	4-20-12		
	MT-95.32 4-19-19	832	10-19-18		
	MT-95.45 4-19-19				
	MT-95.50 7-21-17				
	MT-97.10 4-19-19	921	4-20-12		
	MT-98.10 1-20-17				
	MT-98.20 4-19-19				
	MT-98.22 1-20-17				
	MT-98.28 1-20-17				
	MT-102.20 4-19-19				
	MT-105.10 7-19-13				
	MT-110.10 7-19-13				
	CSD-1-96 7-19-02				

APPROVED: [Signature] PE, PS
DATE 11-14-19 DISTRICT DEPUTY DIRECTOR

APPROVED: [Signature]
DATE 11/26/19 DIRECTOR, DEPARTMENT OF TRANSPORTATION

FEDERAL PROJECT NO.
E1711(114)

PID NO.
105417

CONSTRUCTION PROJECT NO.

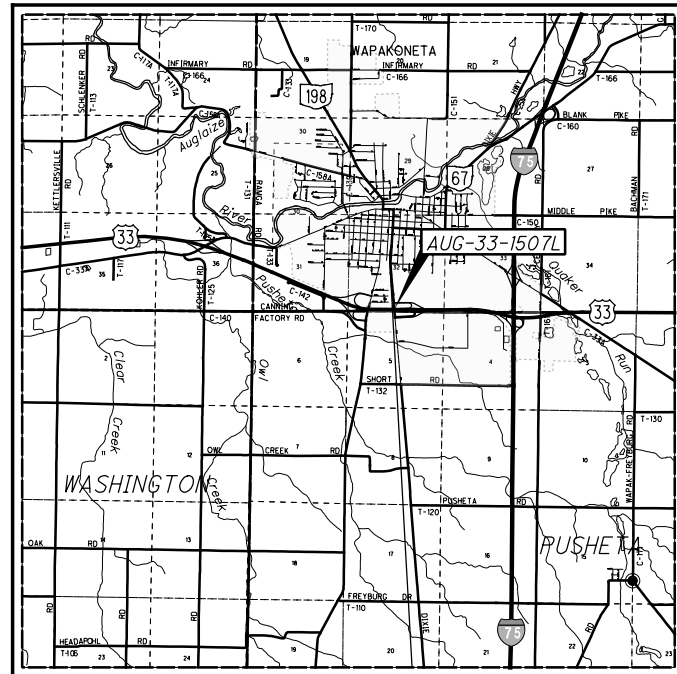
RAILROAD INVOLVEMENT
INARY

D07-BH-FY20(B)

D07 - BH FY20 (B)
200053 PID - 105417
Dist 7 2/13/2020

Contract Proposal Available @
www.contracts.dot.state.oh.us/home

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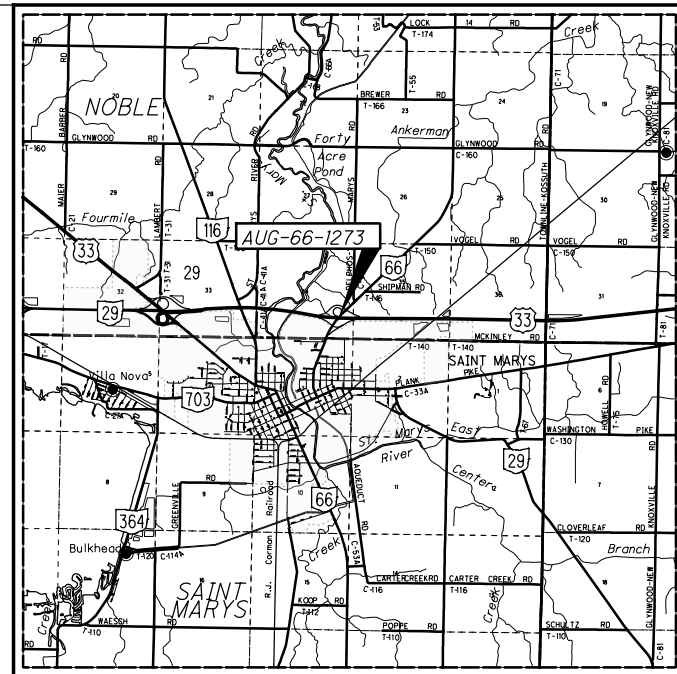
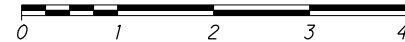


LOCATION MAP

AUG-33-1507L (SFN: 0600385)

LATITUDE: N40°33'20.02" LONGITUDE: W84°11'37.67"

SCALE IN MILES

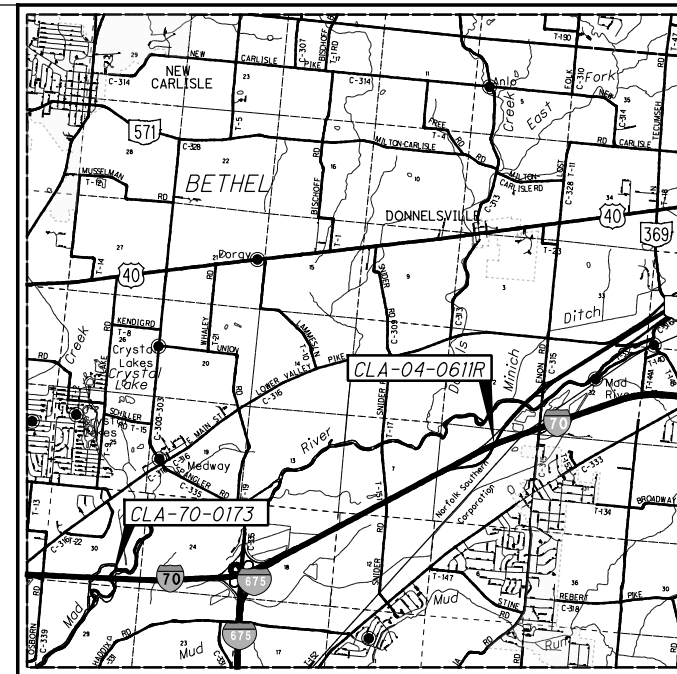
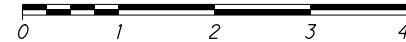


LOCATION MAP

AUG-66-1273 (SFN: 0601144)

LATITUDE: N40°33'25" LONGITUDE: W84°22'48.89"

SCALE IN MILES



LOCATION MAP

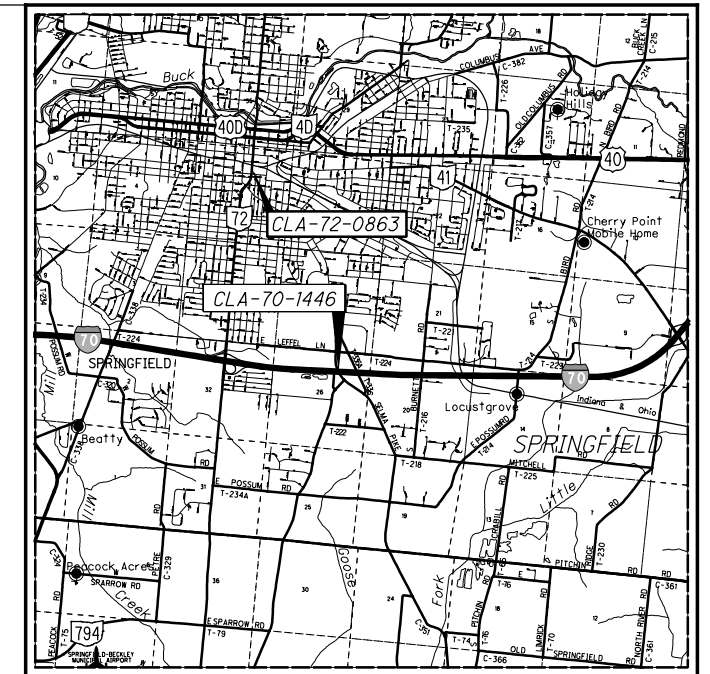
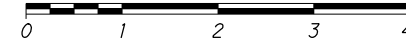
CLA-04-0611R (SFN: 1200011)

LATITUDE: N39°53'08.40" LONGITUDE: W83°56'40.49"

CLA-70-0173 (SFN: 1203630)

LATITUDE: N39°51'52.51" LONGITUDE: W84°01'08.86"

SCALE IN MILES



LOCATION MAP

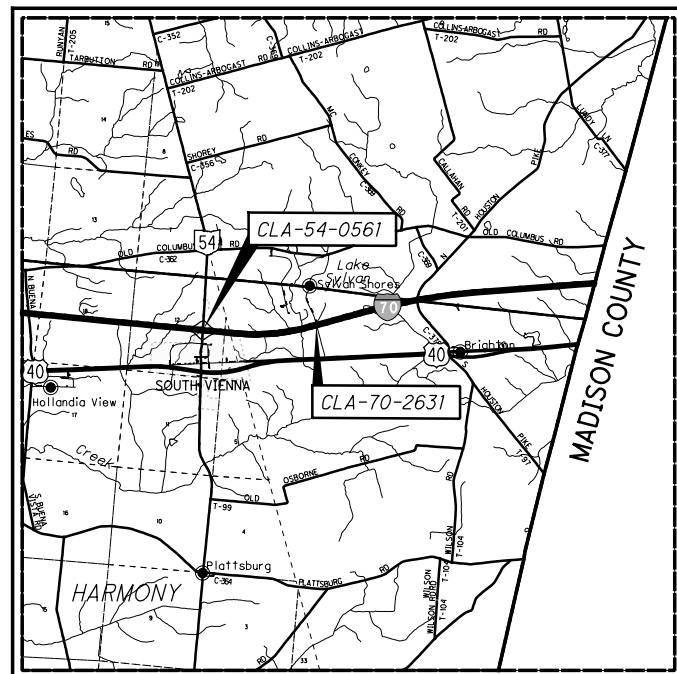
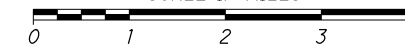
CLA-70-1446 (SFN: 1204440)

LATITUDE: N39°53'25.81" LONGITUDE: W83°47'22.20"

CLA-72-0863 (SFN: 1205463)

LATITUDE: N39°55'16.13" LONGITUDE: W83°48'25.48"

SCALE IN MILES



LOCATION MAP

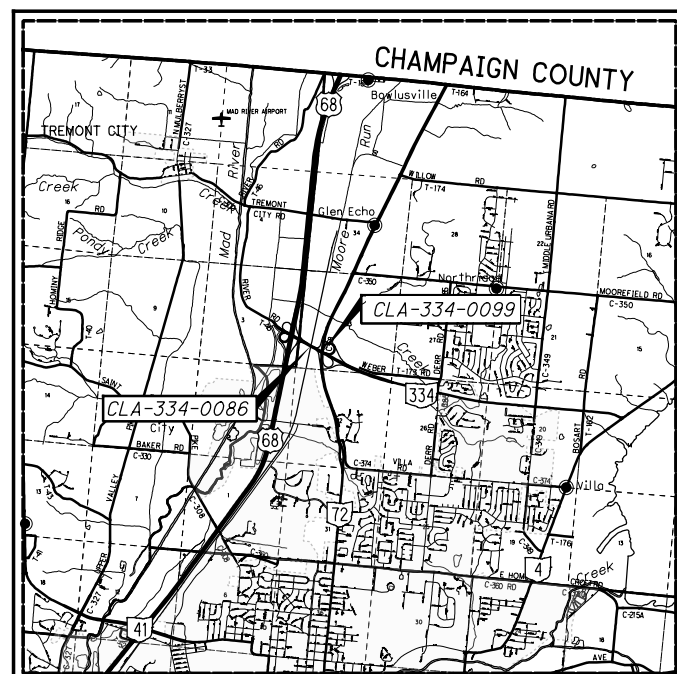
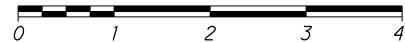
CLA-54-0561 (SFN: 1202197)

LATITUDE: N39°55'58.12" LONGITUDE: W83°36'43.02"

CLA-70-2631 (SFN: 1205250)

LATITUDE: N39°56'01.74" LONGITUDE: W83°35'22.94"

SCALE IN MILES



LOCATION MAP

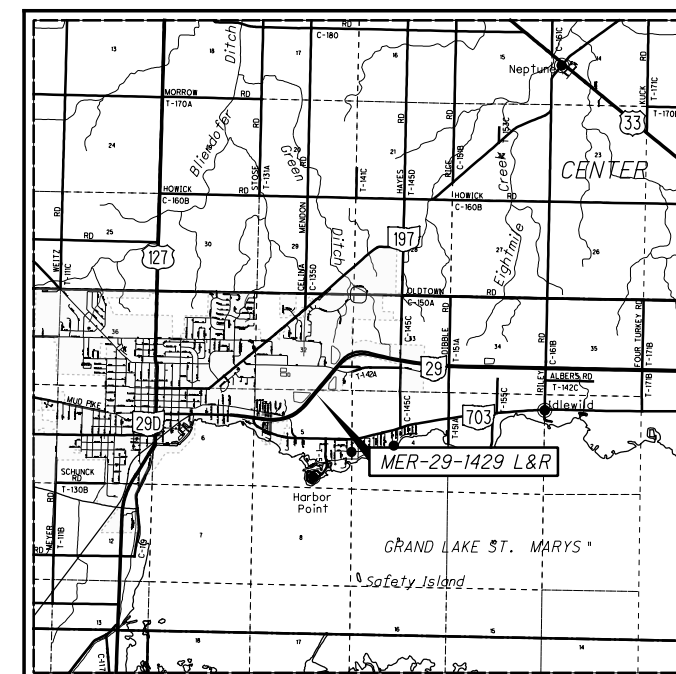
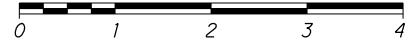
CLA-334-0086 (SFN: 1205641)

LATITUDE: N39°59'09.39" LONGITUDE: W83°48'32.27"

CLA-334-0099 (SFN: 1205617)

LATITUDE: N39°59'06.88" LONGITUDE: W83°48'26.08"

SCALE IN MILES



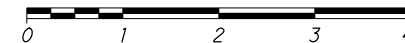
MER-29-1429L (SFN: 5400341)

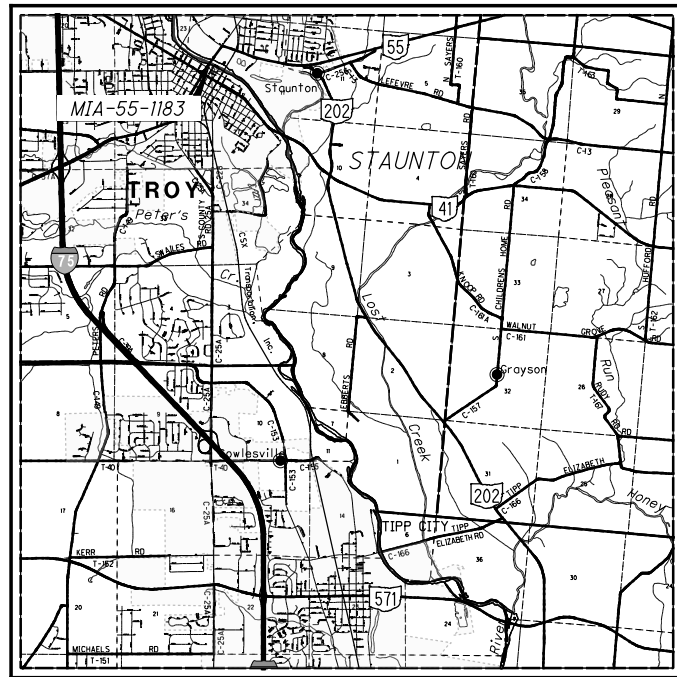
LATITUDE: N40°33'11.26" LONGITUDE: W84°32'21.05"

MER-29-1429R (SFN: 5400325)

LATITUDE: N40°33'11.19" LONGITUDE: W84°32'19.66"

SCALE IN MILES

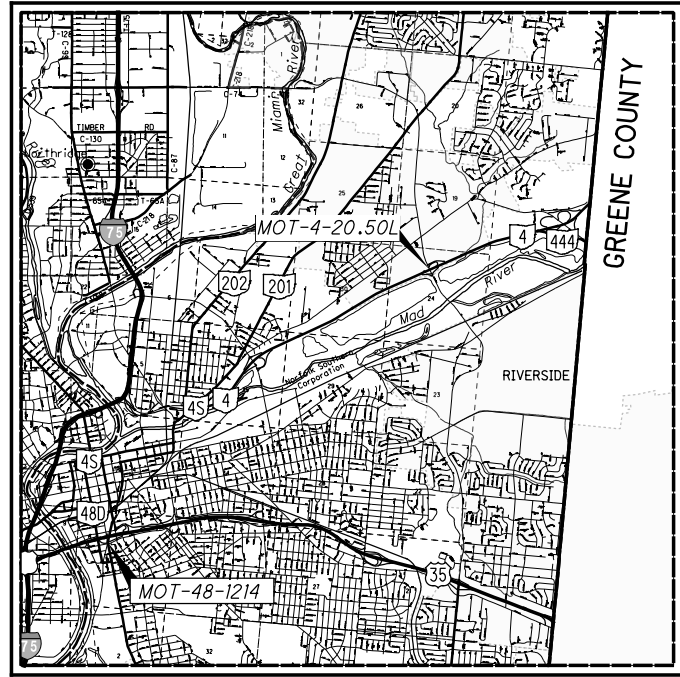




LOCATION MAP

MIA-55-1183 (SFN: 5501504)

LATITUDE: N40°02'29.78" LONGITUDE: W84°12'06.05"



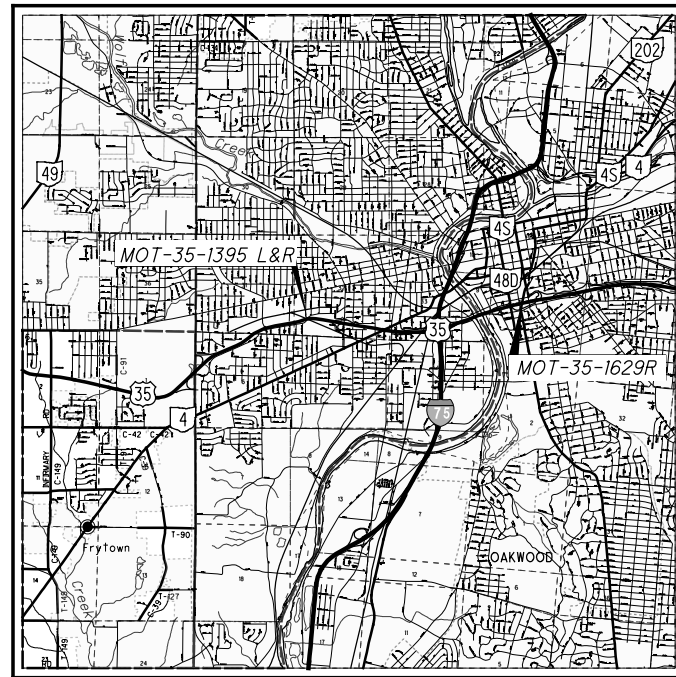
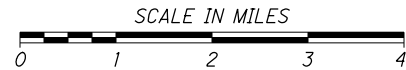
LOCATION MAP

MOT-4-2050L (SFN: 5700906)

LATITUDE: N39°47'34.49" LONGITUDE: W84°07'39.92"

MOT-48-1214 (SFN: 5703646)

LATITUDE: N39°45'03.85" LONGITUDE: W84°11'22.26"



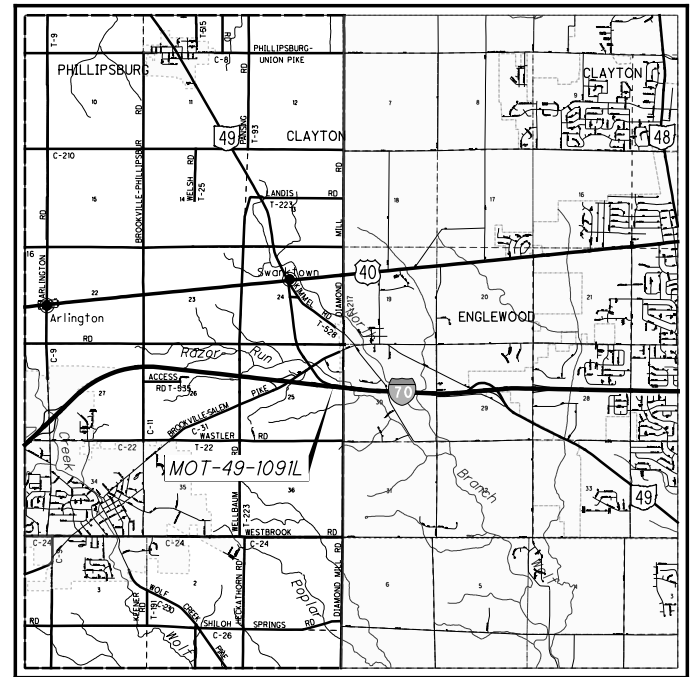
LOCATION MAP

MOT-35-1395 L&R (SFN: 5701600L/5701619R)

LATITUDE: N39°44'55.97" LONGITUDE: W84°13'53.73"

MOT-35-1629R (SFN: 5702224)

LATITUDE: N39°45'05.80" LONGITUDE: W84°11'22.28"

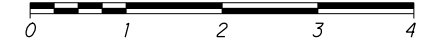


LOCATION MAP

MOT-49-1091L (SFN: 5704502)

LATITUDE: N39°51'17.74" LONGITUDE: W84°22'19.54"

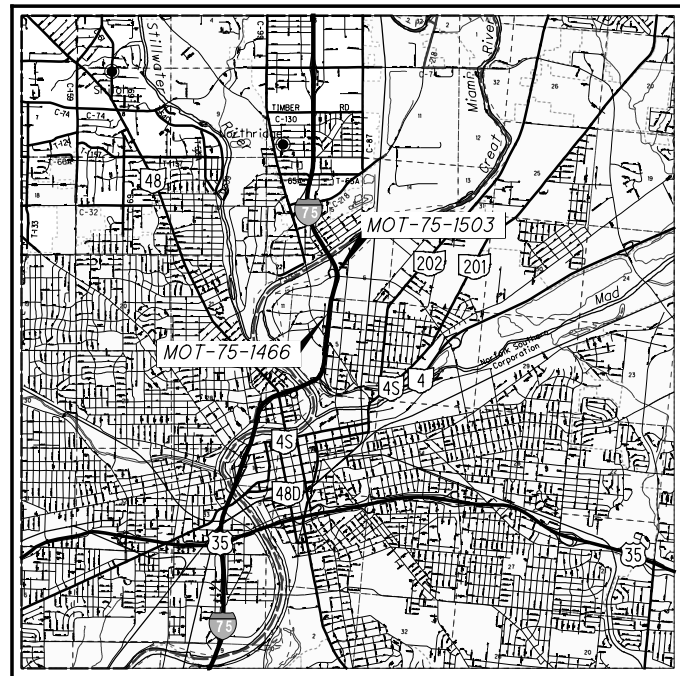
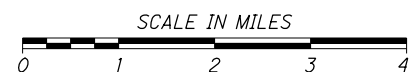
SCALE IN MILES



LOCATION MAP

MOT-75-0373L (SFN: 5706483)

LATITUDE: N39°38'22.96" LONGITUDE: W84°13'55.81"



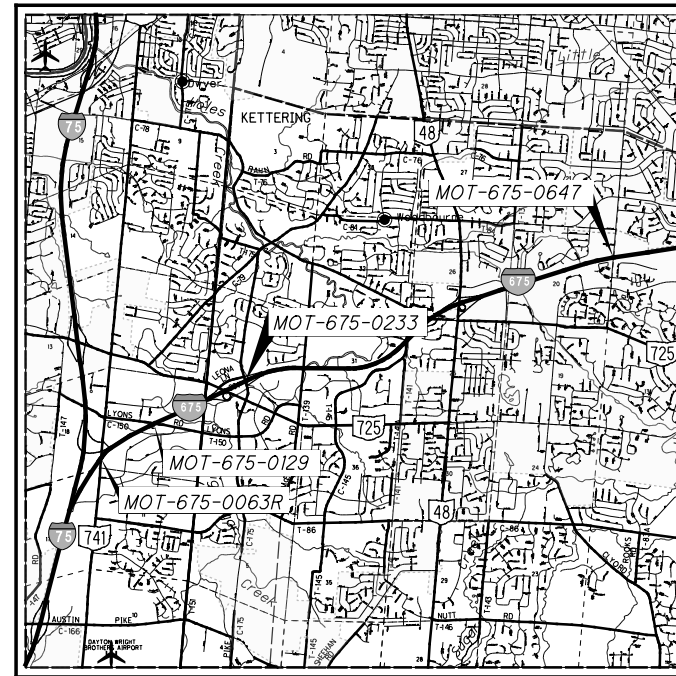
LOCATION MAP

MOT-75-1466 (SFN: 5708613)

LATITUDE: N39°46'58.72" LONGITUDE: W84°11'06.52"

MOT-75-1503 (SFN: 5708648)

LATITUDE: N39°47'18.14" LONGITUDE: W84°11'01.57"



LOCATION MAP

MOT-675-0063R (SFN: 5710804)

LATITUDE: N39°37'19.88" LONGITUDE: W84°13'35.83"

MOT-675-0129 (SFN: 5710979)

LATITUDE: N39°37'38.93" LONGITUDE: W84°12'59.55"

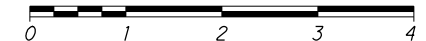
MOT-675-0233 (SFN: 5711126)

LATITUDE: N39°38'02.83" LONGITUDE: W84°11'55.86"

MOT-675-0647 (SFN: 5711436)

LATITUDE: N39°39'13.76" LONGITUDE: W84°07'38.82"

SCALE IN MILES



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CALCULATED
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DHC

LOCATION MAP

D07-BH-FY20B

UTILITIES

THERE ARE NO UNDERGROUND UTILITIES SHOWN IN THESE PLANS. THE NATURE OF THE WORK REQUIRED BY THIS PROJECT WILL NOT AFFECT ANY KNOWN UNDERGROUND UTILITIES THAT EXIST UNDER OR ADJACENT TO THE WORK AREAS.

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 FROM FIELD OBSERVATIONS 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 AND 105.02.

EXISTING BRIDGE PLANS

EXISTING PLANS ENTITLED AUG-33-11.50, AUG-29-1.04, CLA-70-5.62, CLA-70-23.41, CLA-70-13.98, CLA-70-25.14, CLA-72-8.35, CLA-334-12.39, MIA-55-11.53, MOT-35-11.33, MOT-35-14.39, MOT-49-12.45, MOT-75-0.00, MOT-75-0.49, MOT-75-15.88, MOT-675-0.00, MOT-675-6.00, MAY BE INSPECTED IN THE ODOT DISTRICT 7 OFFICE IN SIDNEY, OHIO DURING NORMAL BUSINESS HOURS.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

CLEARING AND GRUBBING

ALTHOUGH THERE ARE NO TREES OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT, A LUMP SUM QUANTITY IS INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201, CLEARING AND GRUBBING. ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM ARE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING.

COOPERATION WITH RAILROAD

THE CONTRACTOR SHALL COORDINATE ALL WORK ON OR ADJACENT TO THE RAILROADS WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL CONTACT THE FOLLOWING RAILROAD COMPANY, AT LEAST 30 DAYS IN ADVANCE, IN ORDER TO COORDINATE THE NECESSARY WORK. UNDER NO CIRCUMSTANCES SHALL THERE BE ANY WORK WITHIN THE RAILROAD RIGHT OF WAY WITHOUT THE PROPER AUTHORIZATION AND/OR FLAG PROTECTION FROM THE RAILROAD.

NO INSTREAM WORK PERMITTED:

PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL MARK THE ORDINARY HIGH WATER MARK AT CLA-70-0173 AND MIA-55-1183 THROUGH CONSTRUCTION FENCING OR STAKING AND ALERT ON-SITE STAFF TO THE LOCATION OF THE ORDINARY HIGH WATER MARK. THE CONTRACTOR SHALL NOT PLACE TEMPORARY FILL OR PERMANENT FILL WITHIN ANY WETLAND OR BELOW THE ORDINARY HIGH WATER MARK OF ANY WATERWAY, INCLUDING SCAFFOLDING OR BRACING. THE CONTRACTOR SHALL NOT PLACE EQUIPMENT BELOW ORDINARY HIGH WATER MARK. IF DEBRIS ENTERS THE WATERWAY DURING CONSTRUCTION, THE CONTRACTOR SHALL REMOVE THE DEBRIS IMMEDIATELY, UTILIZING EQUIPMENT STAGED ABOVE THE ORDINARY HIGH WATER MARK.

PROTECTION OF THE MULTI-USE TRAIL AT MIA-55-1183:

THE CONTRACTOR MUST MAINTAIN ACCESS TO MULTI-USE TRAIL THROUGHOUT CONSTRUCTION. THE CONTRACTOR MAY NOT STAGE EQUIPMENT OR MATERIALS ON THE TRAIL.

PROTECTION OF WATER TRAILS AT CLA-70-0173 AND MIA-55-1183:

THE GREAT MIAMI RIVER AND THE MAD RIVER ARE DESIGNATED WATER TRAILS. THE CONTRACTOR SHALL MAINTAIN UNDER BRIDGE BOAT ACCESS TO THE WATER TRAILS THROUGHOUT CONSTRUCTION.

PROTECTION OF EASTWOOD METROPARK AT MOT-4-2050L:

THE CONTRACTOR MUST MAINTAIN ACCESS TO EASTWOOD METROPARK THROUGHOUT CONSTRUCTION. THE CONTRACTOR MAY NOT STAGE EQUIPMENT OR MATERIALS WITHIN EASTWOOD METROPARK.

PROTECTION OF CYCLISTS AT AUG-33-1507L AND MOT-675-0129:

STATE ROUTE 67 AT AUG-33-1507L AND LYONS ROAD AT MOT-675-0129 ARE DESIGNATED ON-ROAD BIKE ROUTES. CONSTRUCTION PERSONNEL SHALL BE ALERT TO CYCLISTS AND ACCOMMODATE CYCLISTS SAFE TRAVEL THROUGH THE CONSTRUCTION ZONE DURING BRIDGE WORK ACTIVITIES AT THESE LOCATION.

PROTECTION OF SIMON KENTON TRAIL AT CLA-334-0086:

THE CONTRACTOR MUST MAINTAIN ACCESS TO SIMON KENTON TRAIL THROUGHOUT CONSTRUCTION. THE CONTRACTOR MAY NOT STAGE EQUIPMENT OR MATERIALS ON THE TRAIL.

INDIANA BAT AND NORTHERN LONG-EARED BAT PROTECTION AT CLA-70-0173 AND MIA-55-1183:

PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR MUST INSPECT THE BRIDGE WORK AREA FOR EVIDENCE OF BATS. WRITTEN CONFIRMATION OF THE INSPECTION, INCLUDING A STATEMENT WHETHER EVIDENCE OF BATS WAS FOUND, MUST BE PROVIDED TO THE ODOT CONSTRUCTION ENGINEER. IF BATS ARE PRESENT WITHIN THE BRIDGE WORK AREAS, CONSTRUCTION MAY NOT OCCUR FROM APRIL 1 TO SEPTEMBER 30; ALL ACCESS MUST OCCUR FROM OCTOBER 1 TO MARCH 31.

MIGRATORY BIRD PROTECTION AT CLA-70-0173 AND MIA-55-1183:

PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR MUST INSPECT THE BRIDGE FOR EVIDENCE OF ACTIVE BIRD NESTS. WRITTEN CONFIRMATION OF THE INSPECTION, INCLUDING A STATEMENT WHETHER ACTIVE NEST WERE FOUND, MUST BE PROVIDED TO THE ODOT CONSTRUCTION ENGINEER. IF AN ACTIVE NEST CONTAINING AN EGG OR CHICK IS PRESENT, IMPACTS TO THE NEST MUST BE AVOIDED UNTIL ALL DEVELOPING BIRDS ARE ABLE TO INDEPENDENTLY FLY FROM THE NEST. NESTS THAT DO NOT CONTAIN AND EGG OR CHICK ARE CONSIDERED INACTIVE AND MAY BE REMOVED TO DISCOURAGE BIRDS FROM NESTING AND CONSTRUCTION ACTIVITIES MAY PROCEED. NESTING BIRDS MAY BE AVOIDED BY UNDERTAKING THE WORK FROM OCTOBER 1 TO MARCH 1. IF AN ACTIVE NEST CANNOT BE AVOIDED, THE CONTRACTOR MUST OBTAIN A DEPREDATION PERMIT FROM THE USFWS PRIOR TO DESTROYING ANY ACTIVE NEST. INFORMATION ON OBTAINING A DEPREDATION PERMIT MAY BE OBTAINED BY CONTACTING THE REGION 3 MIGRATORY BIRD REGIONAL PERMIT OFFICE AT 5600 AMERICAN BLVD. WEST, SUITE 990, BLOOMINGTON, MN 55437-1458; PHONE 612-713-5436. IF OPERATING UNDER A PERMIT, DOCUMENTATION MUST BE PROVIDED TO THE ODOT CONSTRUCTION ENGINEER.

CONTRACTOR'S COORDINATION NOTE

THE CONTRACTOR IS HEREBY GIVEN NOTICE THAT PROJECT MOT-741-3.62, PID 90289 MAY FALL WITHIN THE LIMITS OF THIS PLAN SET. THE START DATE FOR THIS OTHER PROJECT IS ROUGHLY ONE YEAR IN ADVANCE OF THE START DATE FOR THIS PLAN SET, HOWEVER IT MAY STILL BE IN PROGRESS WITH FINISHING WORK. THEREFORE IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE OTHER PROJECT TO MAINTAIN TRAFFIC. ANY DISPUTES THAT ARE NOT SETTLED OR AGREED UPON, SHALL BE SETTLE BY THE PROJECTS ENGINEERS.

ITEM 202 - FENCE REMOVED FOR REUSE, AS PER PLAN.

THE QUANTITIES SHOWN ARE INCLUDED FOR GAINING ACCESS UNDER THE STRUCTURE. THE CONTRACTOR SHALL TAKE CARE IN REMOVING THE FENCE AND POSTS TO PRESERVE THEM FOR REUSE. CLEARING AND GRUBBING SHALL BE PERFORMED TO ASSURE THE FENCE CAN BE PROPERLY REALIGNED. ALL WORK, LABOR, MATERIALS, EQUIPMENT, AND INCIDENTALS NECESSARY TO COMPLETE THIS WORK SHALL BE INCLUDED IN THE UNIT BID PRICE PER FEET, FOR ITEM 202, FENCE REMOVED, AS PER PLAN.

APPLIES TO STR. CLA-70-0173
SEE ESTIMATED QUANTITIES SHEET 39

ITEM 607 - FENCE REBUILT, TYPE (CLT)

CAREFULLY RECONDITION AND RE-ERECT FENCE AND COMPONENT PARTS AS DETAILED ON THE PLANS. TAKE CARE NOT TO DAMAGE THE FENCE OR COMPONENT PARTS. ANY NEW PARTS WHICH ARE NEEDED, AS DETERMINED BY THE ENGINEER, WILL BE SUPPLIED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE STATE.

THE AMOUNT OF REBUILT FENCE TO BE PAID FOR WILL BE THE NUMBER OF FEET REBUILT, COMPLETE IN PLACE, AND MEASURED AS PROVIDED FOR IN 607.09.

PAYMENT FOR THE ABOVE WILL BE PAID FOR AT THE CONTRACT PRICE PER FOOT FOR ITEM 607, FENCE REBUILT, TYPE CLT.

APPLIES TO STR. CLA-70-0173
SEE ESTIMATED QUANTITIES SHEET 39

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CALCULATED
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DHG

GENERAL NOTES (1 OF 2)

D07 - BH - FY 20(B)

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ITEM 516 - RESET BEARING, AS PER PLAN

THIS ITEM SHALL INCLUDE ALL WORK NECESSARY TO PROPERLY ALIGN ROTATED AND /OR FLOATING EXISTING BRIDGE BEARINGS PER 516.07, INCLUDING REMOVAL OF UPPER BEARING PLATE WELDS TO THE EXISTING BEAM. REMOVAL OF THE ENTIRE BEARING WHERE NECESSARY TO PERFORM WORK, PROPER STORAGE OF THE BEARINGS UNTIL REINSTALLATION, REPLACEMENT OF ANY DAMAGED SHEET LEAD WITH PREFORMED BEARING PADS (711.21), INSTALLATION OF ANY NECESSARY STEEL SHIMS OF THE SAME SIZE AS THE BEARING TO PROVIDE A SNUG FIT, AND REPAIR OF DAMAGED PAINT ACCORDING TO ITEM 514.22. ALL WORK SHALL BE TO THE SATISFACTION OF THE ENGINEER. PAYMENT FOR ALL OF THE ABOVE DESCRIBED LABOR AND MATERIALS WILL BE MADE AT THE CONTRACT BID FOR ITEM 516-RESET BEARING, AS PER PLAN.

ITEM 516, JACKING AND TEMPORARY SUPPORT OF SUPER-STRUCTURE, AS PER PLAN

THIS WORK CONSISTS OF RAISING OR RE-POSITIONING EXISTING STRUCTURES TO THE DIMENSIONS AND REQUIREMENTS DEFINED IN THE PROJECT PLANS.

SUBMIT CONSTRUCTION PLANS IN ACCORDANCE WITH CMS 501.05.

IF, DURING THE JACKING OPERATIONS, CRACKING OF THE CONCRETE SUPERSTRUCTURE, SEPARATION OF THE CONCRETE DECK FROM THE STEEL STRINGERS, OR OTHER DAMAGE TO THE STRUCTURE IS VISUALLY OBSERVED, IMMEDIATELY CEASE THE JACKING OPERATION AND INSTALL SUPPORTS TO THE SATISFACTION OF THE ENGINEER. ANALYZE THE DAMAGE AND SUBMIT A METHOD OF CORRECTION TO THE ENGINEER FOR APPROVAL. EPOXY INJECT ALL BEAMS THAT SEPARATE FROM THE DECK FOR THE DISTANCE OF THE SEPARATION IN ACCORDANCE WITH CMS 512.07. THE DEPARTMENT WILL NOT PAY FOR THE COST OF THIS EPOXY INJECTION OR OTHER REQUIRED REPAIRS. THE BRIDGE BEARINGS SHALL BE FULLY SEATED AT ALL CONTACT AREAS. IF FULL SEATING IS NOT ATTAINED, SUBMIT A REPAIR PLAN TO THE ENGINEER. THE DEPARTMENT WILL NOT PAY FOR THE REPAIR COSTS TO ENSURE FULL SEATING ON BEARINGS.

THE DEPARTMENT WILL MEASURE THIS WORK ON A LUMP SUM BASIS.

THE DEPARTMENT WILL PAY FOR THE ACCEPTED QUANTITIES AT THE CONTRACT PRICE BID PER LUMP SUM FOR ITEM 516, JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN.

ITEM 202 - PORTION OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS LISTED IN THE C&MS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING THE EXISTING ELASTOMERIC STRIP SEAL GLAND, CARE SHALL BE TAKEN THAT THE REMOVAL IS DONE WITHOUT DOING ANY DAMAGE TO THE EXISTING ANCHOR OR RETAINER CLIP. ALL LABOR, MATERIALS, EQUIPMENT, AND INCIDENTALS NEEDED TO COMPLETE THIS WORK SHALL BE PAID UNDER ITEM 202, PORTION OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN.

ITEM 516 - REFURBISHING BEARING DEVICE, AS PER PLAN

ITEM 516 - REFURBISHING BEARING DEVICES, AS PER PLAN: THIS ITEM SHALL INCLUDE ALL WORK NECESSARY TO PROPERLY ALIGN BRIDGE BEARINGS AS WELL AS THEIR CLEANING AND PAINTING. INCLUDED SHALL BE THE DISASSEMBLY OF THE BEARINGS, HAND TOOL CLEANING (GRINDING IF NECESSARY), PAINTING ACCORDING TO ITEM 514, REPLACEMENT OF ANY DAMAGED SHEET LEAD WITH PREFORMED BEARING PADS (711.21), INSTALLATION OF ANY NECESSARY STEEL SHIMS OF THE SAME SIZE AS THE BEARINGS TO PROVIDE A SNUG FIT, REALIGNMENT OF THE UPPER BEARING PLATE BY REMOVING EXISTING WELDS AND REWELDING SO THAT THE BEARINGS ARE VERTICALLY ALIGNED AT 60 DEGREES F, LUBRICATING SLIDING SURFACES, AND REASSEMBLY OF THE BEARINGS. ASSURE ALL BEARINGS ARE SHIMMED ADEQUATELY AND THAT NO BEAMS AND/OR BEARING DEVICES ARE "FLOATING". AT NO ADDITIONAL COST TO THE STATE, THE CONTRACTOR MAY INSTALL NEW BEARINGS OF THE SAME TYPE AS THE EXISTING IN PLACE OF REFURBISHING THE BEARINGS. ALL WORK SHALL BE TO THE SATISFACTION OF THE ENGINEER. PAYMENT FOR ALL OF THE ABOVE DESCRIBED LABOR AND MATERIALS WILL BE MADE AT THE CONTRACT PRICE BID PER EACH FOR ITEM 516 - REFURBISH BEARING DEVICES, AS PER PLAN.

ITEM 516 - ELASTOMERIC STRIP SEAL WITHOUT STEEL EXTRUSIONS, AS PER PLAN

THE EXISTING STRIP SEAL SHALL BE REPLACED WITH ONE CONTINUOUS SEAL AS INDICATED IN THE PLANS. THE INSTALLED SEAL SHALL BE CAPABLE OF ACCOMMODATING 4" OF MOVEMENT. THE CONTRACTOR SHALL ENSURE THAT THE RETAINER CLIPS ARE FREE OF DEBRIS BEFORE INSTALLING THE NEW SEAL. INSTALL SEAL USING LUBRICANT PER THE MANUFACTURES SPECIFICATION.

ITEM 613 - LOW STRENGTH MORTAR BACKFILL, AS PER PLAN

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING THE PROPOSED LOW STRENGTH MORTAR BACKFILL UNDER THE EXISTING ABUTMENT AND INSURING THE LSM PROVIDES A UNIFORM BEARING BETWEEN THE ABUTMENT AND AGGREGATE. THE CONTRACTOR SHALL UTILIZE FORMS AS NECESSARY TO ENSURE THE LSM REMAINS UNDER THE EXISTING ABUTMENT. PLACEMENT SHALL BE IN ACCORDANCE WITH ITEM 613 AND AS INDICATED WITHIN THESE PLANS, SEE STRUCTURE MOT-675-0233. ALL WORK, LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM OF WORK SHALL BE PAID FOR UNDER THE UNIT PRICE BID PER CUBIC YARD FOR ITEM 613 - LOW STRENGTH MORTAR BACKFILL, AS PER PLAN.

ITEM SPECIAL - PATCHING CONCRETE BRIDGE DECK, TYPE B

THIS ITEM OF WORK SHALL BE IN ACCORDANCE WITH PROPOSAL NOTE 512 - ITEM SPECIAL PATCHING CONCRETE BRIDGE DECKS, WITH THE FOLLOWING REVISIONS: REMOVE AND PATCH ONLY UNSOUND PROBLEM AREAS MARKED OUT BY THE ENGINEER IN THE AREA ALONG THE EXISTING BRIDGE JOINTS. THE ENTIRE CONCRETE SURFACE IS NOT TO BE SOUNDED TO REPAIR ALL POTENTIAL UNSOUND AREAS. ALL WORK, LABOR, MATERIAL AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM OF WORK SHALL BE PAID FOR UNDER THE UNIT BID OF SQUARE YARDS FOR ITEM SPECIAL- 519 PATCHING CONCRETE BRIDGE DECK, TYPE B.

THIS ITEM APPLIES ON THE FOLLOWING STRUCTURE(S):
MOT-4-2050L
MOT-35-1395L&R

ITEM 516 - BEARING DEVICE, ROCKER, AS PER PLAN

THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL EXISTING ABUTMENT ROCKER BEARINGS, LOAD PLATES, SHIMS, AND PINS, AND PREPAIR THE AREA FOR NEW BEARINGS. CARE SHALL BE TAKEN NOT TO DAMAGE ANY EXISTING BRIDGE BEAMS, OR ABUTMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING NEW BEARINGS AS INDICATED IN THESE PLANS. ALL WORK, LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM OF WORK SHALL BE PAID FOR AT THE UNIT BID PRICE PER EACH FOR ITEM 516 - BEARING DEVICE, ROCKER, AS PER PLAN.

ITEM 513 - STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN

ITEM 513 - STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN: ALL REQUIREMENTS OF 513 APPLY TO SHOP FABRICATED MEMBERS. PERFORM WORK FOR FIELD FABRICATED MEMBERS ACCORDING TO ITEM 513, EXCEPT AS MODIFIED HEREIN. THE DEPARTMENT WILL NOT REQUIRE THE CONTRACTOR PERFORMING FIELD FABRICATION TO BE PRE-QUALIFIED AS SPECIFIED IN SUPPLEMENT 1078. SUBMIT A WRITTEN LETTER OF MATERIAL ACCEPTANCE IN ACCORDANCE WITH 501.06, TO THE ENGINEER. PROVIDE THE ENGINEER "AS-BUILT" DRAWINGS ACCORDING TO 513.06, EXCEPT 501.04 DOES NOT APPLY. UPON RECEIPT OF THE ENGINEER'S ACCEPTANCE, SUPPLY A COPY OF THE DRAWINGS, ACCORDING TO SUPPLEMENT 1002, TO THE OFFICE OF MATERIAL MANAGEMENT FOR RECORD PURPOSES.

THE FOLLOWING MEMBERS ARE INCLUDED IN THIS ITEM: WEB PERFORATION REPAIRS, STIFFENER PERFORATION REPAIRS, FLANGE REPAIRS/RETROFITS, CROSS FRAME ANGLES, AND END FRAME ANGLES.

ITEM 513 - STRUCTURAL STEEL, MISC.: REPAIR CRACKED WELDS.

CRACKED OR BROKEN WELDS SHALL BE GROUND SMOOTH AND REPAIRED WHERE DETAILED. REPAINTING AREAS AFFECTED BY THE WELD REPAIR SHALL BE REPAIRED PER CMS 514.22 REPAIR PROCEDURES. ALL MATERIALS, LABOR AND EQUIPMENT NEEDED FOR SURFACE PREPARATIONS, WELDING AND PAINT REPAIR SHALL BE INCLUDED FOR PAYMENT WITH ITEM 513 - STRUCTURAL STEEL MISC.; REPAIR CRACKED WELDS.

CLA-4-0611R - WELDING ON END FRAME
MOT-75-3.73L - MOMENT PLATE WELDS

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GENERAL NOTES (2 OF 2)

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ITEM 614, MAINTAINING TRAFFIC

THE CONTRACTOR SHALL PROVIDE, ERECT, AND MAINTAIN SIGNS (IN PROPER POSITION, CLEAN AND LEGIBLE, AND IN GOOD WORKING CONDITION) AND REMOVE ALL LIGHTS, SIGNS, CONES, DRUMS, AND ANY OTHER TRAFFIC CONTROL DEVICES NECESSARY FOR MAINTENANCE OF TRAFFIC ACCORDING TO THESE PLAN NOTES AND DETAILS.

PROPOSED STRUCTURE WORK SHALL BE PERFORMED ON STRUCTURES:

- AUG-033-1507L (W.B. U.S.33 OVER CR25A AND CSX)
- AUG-066-1273 (S.B./N.B. S.R. 66 OVER U.S. 33)
- CLA-004-0611R (S.R. 4 OVER I.R. 70)
- CLA-054-0561 (S.R. 54 OVER I.R. 70)
- CLA-070-0173 (E.B. & W.B. I.R. 70 OVER MAD RIVER)
- CLA-070-1446 (SELMA RD. OVER I.R.70)
- CLA-070-2631 (SYLVAN RD. OVER I.R.70)
- CLA-072-0863 (S.R. 72 OVER MONROE ST, WASHINGTON ST, AND NS)
- CLA-334-0086 (W.B./E.B. S.R. 334 OVER BIKE PATH AND INDIANA & OHIO URBANA SUB)
- CLA-334-0099 (W.B./E.B. S.R. 334 OVER S.R. 72)
- MER-029-1429 L&R (S.R. 29 OVER R.J. CORMAN R/R)
- MIA-055-1183 (S.R. 55 OVER GREAT MIAMI RIVER)
- MOT-004-2050L (S.R. 4 OVER HARSHMAN ROAD)
- MOT-035-1395 L&R (S.R. 35 OVER FRONTAGE ST, B&O, AND HOME AVE.)
- MOT-035-1629R (S.B. 35 OVER S. PATTERSON BLVD. AND S.R. 48)
- MOT-048-1214 (LUDLOW ST., RAMP "D" OVER S.R. 48)
- MOT-049-1091L (S.R. 49 OVER I.R. 70)
- MOT-075-0373L (I.R. 75 OVER S.R. 725)
- MOT-075-1466 (I.R.75 OVER LEO ST)
- MOT-075-1503 (I.R. 75 OVER STANLEY AVE.)
- MOT-675-0063R (I.R. 675 OVER S.R.741 AND TRIB OF HOLES CR.)
- MOT-675-0129 (LYONS RD. OVER I.R. 675)
- MOT-675-0233 (YANKEE ST. OVER I.R. 675)
- MOT-675-0647 (BIGGER RD. OVER I.R. 675)

NO WORK SHALL BE PERFORMED AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS OR EVENTS:

CHRISTMAS	FOURTH OF JULY
NEW YEARS	LABOR DAY
MEMORIAL DAY	THANKSGIVING

THE PERIOD OF TIME THAT THE LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR EVENT FALLS. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD:

DAY OF HOLIDAY OR EVENT	TIME ALL LANES MUST BE OPEN TO TRAFFIC
SUNDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY
MONDAY	12:00N FRIDAY THROUGH 6:00 AM TUESDAY
TUESDAY	12:00N MONDAY THROUGH 6:00 AM WEDNESDAY
WEDNESDAY	12:00N TUESDAY THROUGH 6:00 AM THURSDAY
THURSDAY	12:00N WEDNESDAY THROUGH 6:00 AM FRIDAY
THURSDAY (THANKSGIVING ONLY)	6:00 AM WEDNESDAY THROUGH 6:00 AM MONDAY
FRIDAY	12:00N THURSDAY THROUGH 6:00 AM MONDAY
SATURDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE IN THE AMOUNT OF DESCRIBED IN CMS 108.07 FOR EACH DAY THE ABOVE DESCRIBED LANE CLOSURE RESTRICTIONS ARE VIOLATED.

PERMITTED LANE CLOSURE

THE LANE CLOSURE TIMES ON INTERSTATE SYSTEM ROADWAYS SHALL BE IN ACCORDANCE WITH SET PERMITTED LANE CLOSURE TIMES. SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THE PERMITTED LANE CLOSURE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE IN THE AMOUNT OF \$75 FOR EACH MINUTE THE LANE CLOSURE RESTRICTIONS ARE VIOLATED.

LANE CLOSURES SHALL ONLY BE IMPLEMENTED AT THE TIMES LISTED ON THE OHIO DEPARTMENT OF TRANSPORTATION'S PERMITTED LANE CLOSURE WEB SITE WHICH IS LOCATED AT:

HTTP://PLCM.DOT.STATE.OH.US

THE PERMITTED CLOSURE TIMES LISTED ON THE WEBSITE, FOURTEEN (14) CALENDAR DAYS PRIOR TO THE BID LETTING DATE, SHALL BE IN EFFECT FOR THIS PROJECT.

NO WORK WITHIN ACTIVE TRAVEL LANES OR WHICH WILL SLOW TRAFFIC IS PERMITTED AT ANY OTHER TIMES. SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE IN THE AMOUNT OF \$75 FOR EACH MINUTE THE ABOVE DESCRIBED LANE CLOSURE RESTRICTIONS ARE VIOLATED.

NOTIFICATION OF TRAFFIC RESTRICTIONS

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE PROJECT ENGINEER TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM SPECIAL HAULING PERMITS SECTION (HAULING.PERMITS@DOT.OHIO.GOV) AND THE DISTRICT PUBLIC INFORMATION OFFICE (PIO). THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

NOTIFICATION TIME TABLE		
ITEM	DURATION OF CLOSURE	NOTICE DUE TO D7 PERMITS & PIO
RAMP & ROAD CLOSURES	>= 2 WKS	21 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HRS & < 2 WKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 12 HRS	4 BUSINESS DAYS PRIOR TO CLOSURE
LANE CLOSURES AND RESTRICTIONS	>= 2 WKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 2 WKS	5 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONSTRUCTION & TRAFFIC PATTERN CHANGES	N/A	14 CALENDAR DAYS PRIOR TO IMPLEMENTATION

ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE PROJECT ENGINEER USING THE NOTIFICATION TIME TABLE.

ITEM 614, MAINTAINING TRAFFIC (NOTICE OF CLOSURE SIGN)

NOTICE OF CLOSURE SIGNS (W20-H13), SHALL BE ERECTED BY THE CONTRACTOR PRIOR TO THE SCHEDULED ROAD OR RAMP CLOSURE IN ACCORDANCE WITH THE NOTICE OF CLOSURE TIME TABLE BELOW. [AT THE APPROVAL OF THE ENGINEER, PORTABLE CHANGABLE MESSAGE SIGNS MAY BE USED IN LIEU OF THE STANDARD FLATSHEET SIGN FOR CLOSURE DURATIONS OF LESS THAN 1 WEEK.]

THE SIGNS SHALL BE ERECTED ON THE RIGHT-HAND SIDE OF THE ROAD/RAMP FACING TRAFFIC. THEY SHALL BE PLACED SO AS NOT TO INTERFERE WITH THE VISIBILITY OF ANY OTHER TRAFFIC CONTROL SIGNS. ON ROADWAYS, THEY SHOULD BE ERECTED AT OR NEAR THE POINT OF CLOSURE. THE SIGNS MAY BE ERECTED ANYWHERE ON RAMPS AS LONG AS THEY ARE VISIBLE TO THE MOTORISTS USING THE RAMP. ON ENTRANCE RAMPS, THE SIGN SHALL BE ERECTED WELL IN ADVANCE OF THE MERGE AREA TO AVOID DISTRACTING MOTORISTS.

NOTICE OF CLOSURE SIGN TIME TABLE		
ITEM	DURATION OF CLOSURE	SIGN DISPLAYED TO PUBLIC
RAMP & ROAD CLOSURES	>= 2 WKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HRS & < 2 WKS	7 CALENDAR DAYS PRIOR TO CLOSURE
	< 12 HRS	2 BUSINESS DAYS PRIOR TO CLOSURE

THE SIGN SHALL DISPLAY THE DATE OF THE CLOSURE IN MMM-DD FORMAT AND THE NUMBER OF DAYS OF THE CLOSURE. THE LAST LINE OF THE W20-H13 SIGN LISTS A PHONE NUMBER WHICH A MOTORIST MAY CALL FOR ADDITIONAL INFORMATION. THIS IS TO BE A SPECIFIC OFFICE WITHIN THE DISTRICT RATHER THAN THE GENERAL SWITCHBOARD NUMBER.

RAMP WILL BE CLOSED MMM-DD FOR DAYS INFO: 1-888-200-9919

W20-H13-60

ITEM 614, MAINTAINING TRAFFIC (NOTICE OF CLOSURE SIGN) (continued)

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

ITEM 614, MAINTAINING TRAFFIC

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

ITEM 614, 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.

PAYMENT FOR THE NEW DRUMS SHALL BE MADE AT THE CONTRACT PRICE PER EACH FOR ITEM 614, 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.

AN ESTIMATED QUANTITY OF 10 EACH HAS BEEN PROVIDED IN THE GENERAL SUMMARY.

ITEM 614, DETOUR SIGNING

THE CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING THE DETOUR SIGNING AS INDICATED IN THESE PLANS. IF PLACEMENT IS SET IN ADVANCE OF THE NOTICE OF CLOSURE SIGN TIME TABLE, THE SIGNS SHALL BE COVERED. ONCE ALL WORK HAS BEEN COMPLETED THE CONTRACTOR SHALL REMOVE THE DETOUR SET IN PLACE.

ITEM 614, REPLACEMENT SIGN

FLATSHEET 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.

PAYMENT FOR THE NEW SIGNS SHALL BE MADE AT THE CONTRACT PRICE PER EACH FOR ITEM 614, REPLACEMENT SIGN, AND SHALL INCLUDE THE COST OF REMOVING AND DISPOSING OF DAMAGED SIGNS, HARDWARE AND SUPPORTS, AND PROVIDING THE NECESSARY REPLACEMENT HARDWARE, SUPPORTS, ECT.

AN ESTIMATED QUANTITY OF 5 EACH HAS BEEN PROVIDED IN THE GENERAL SUMMARY.

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MAINTENANCE OF TRAFFIC NOTES (1 of 3)

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FLOODLIGHTING

FLOODLIGHTING OF THE WORK SITE FOR OPERATIONS CONDUCTED DURING NIGHTTIME PERIODS SHALL BE ACCOMPLISHED SO THAT THE LIGHTS DO NOT CAUSE GLARE TO THE DRIVERS ON THE ROADWAY. TO ENSURE THE ADEQUACY OF THE FLOODLIGHT PLACEMENT, THE CONTRACTOR AND THE ENGINEER SHALL DRIVE THROUGH THE WORK SITE EACH NIGHT WHEN THE LIGHTING IS IN PLACE AND OPERATIVE PRIOR TO COMMENCING ANY WORK. IF GLARE IS DETECTED, THE LIGHT PLACEMENT AND SHIELDING SHALL BE ADJUSTED TO THE SATISFACTION OF THE ENGINEER BEFORE WORK PROCEEDS.

PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC.

ITEM 614, PORTABLE CHANGEABLE MESSAGE SIGNS, AS

THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND REMOVE, WHEN NO LONGER NEEDED, A CHANGEABLE MESSAGE SIGN. THE SIGN SHALL BE OF A TYPE SHOWN ON A LIST OF APPROVED PCMS UNITS AVAILABLE ON THE OFFICE OF MATERIALS MANAGEMENT WEB PAGE. THE LIST CONTAINS CLASS A AND B UNITS WITH MINIMUM LEGIBILITY DISTANCES OF 800 FEET AND 650 FEET, RESPECTIVELY.

EACH SIGN SHALL BE TRAILER-MOUNTED AND EQUIPPED WITH A FUNCTIONAL DIMMING MECHANISM, TO DIM THE SIGN DURING DARKNESS, AND A TAMPER AND VANDAL PROOF ENCLOSURE. EACH SIGN SHALL BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION INSTRUCTIONS TO ENABLE ON-SITE PERSONNEL TO OPERATE AND TROUBLESHOOT THE UNIT. THE SIGN SHALL ALSO BE CAPABLE OF BEING POWERED BY AN ELECTRICAL SERVICE DROP FROM A LOCAL UTILITY COMPANY. THE PCMS SHALL BE DELINEATED IN ACCORDANCE WITH C&MS 614.03. THE PCMS SHALL BE LOCATED IN A HIGHLY VISIBLE POSITION YET PROTECTED FROM TRAFFIC. THE CONTRACTOR SHALL, AT THE DIRECTION OF THE ENGINEER, RELOCATE THE PCMS TO IMPROVE VISIBILITY OR ACCOMMODATE CHANGED CONDITIONS. WHEN NOT IN USE, THE PCMS SHALL BE TURNED OFF. ADDITIONALLY, WHEN NOT IN USE FOR EXTENDED PERIODS OF TIME, THE PCMS SHALL BE TURNED AWAY FROM ALL TRAFFIC.

THE ENGINEER SHALL BE PROVIDED ACCESS TO EACH SIGN UNIT AND SHALL BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION INSTRUCTIONS TO ENABLE ODOT PERSONNEL TO OPERATE AND TROUBLESHOOT THE UNIT, AND TO REVISE SIGN MESSAGES, IF NECESSARY.

THE CONTRACTOR SHALL IMPLEMENT A SYSTEM WHEREBY CHANGEABLE MESSAGES WILL BE IMPLEMENTED WITHIN 2 HOURS FOLLOWING TELEPHONE NOTIFICATION FROM THE PROJECT ENGINEER TO A DESIGNATED PHONE.

ITEM 614, PORTABLE CHANGEABLE MESSAGE SIGNS, AS PER PLAN (Continued)

ALL MESSAGES TO BE DISPLAYED ON THE SIGN WILL BE PROVIDED BY THE ENGINEER. A LIST OF ALL REQUIRED PRE-PROGRAMMED MESSAGES WILL BE GIVEN TO THE CONTRACTOR AT THE PROJECT PRECONSTRUCTION CONFERENCE. THE SIGN SHALL HAVE THE CAPABILITY TO STORE UP TO 99 MESSAGES. MESSAGE MEMORY OR PRE-PROGRAMMED DISPLAYS SHALL NOT BE LOST AS A RESULT OF POWER FAILURES TO THE ON-BOARD COMPUTER. THE SIGN LEGEND SHALL BE CAPABLE OF BEING CHANGED IN THE FIELD. THREE-LINE PRESENTATION FORMATS WITH UP TO SIX MESSAGE PHASES SHALL BE SUPPORTED. PCMS FORMAT SHALL PERMIT THE COMPLETE MESSAGE FOR EACH PHASE TO BE READ AT LEAST TWICE.

THE PCMS SHALL CONTAIN AN ACCURATE CLOCK AND PROGRAMMING LOGIC WHICH WILL ALLOW THE SIGN TO BE ACTIVATED, DEACTIVATED OR MESSAGES CHANGED AUTOMATICALLY AT DIFFERENT TIMES OF THE DAY FOR DIFFERENT DAYS OF THE WEEK.

THE PCMS SHALL CONTAIN A CELLULAR TELEPHONE DATA LINK WHICH WILL (IN ACTIVE CELLULAR PHONE AREAS ALLOW REMOTE SIGN ACTIVATION, MESSAGE CHANGES, MESSAGE ADDITIONS AND REVISIONS TO TIME OF DAY PROGRAMS. THE SYSTEM SHALL ALSO PERMIT VERIFICATION OF CURRENT AND PROGRAMMED MESSAGES. ONE REMOTE DATA INPUT DEVICE (LAPTOP COMPUTER PLUS MODEM OR EQUIVALENT) SHALL BE FURNISHED FOR USE BY THE DISTRICT TRAFFIC ENGINEER, OR EQUIVALENT, AND SHALL BE INSURED AGAINST THEFT.) THE PCMS UNIT SHALL BE MAINTAINED IN GOOD WORKING ORDER BY THE CONTRACTOR IN ACCORDANCE WITH THE PROVISIONS OF C&MS 614.07. THE CONTRACTOR SHALL, PRIOR TO ACTIVATING THE UNIT, MAKE ARRANGEMENTS, WITH AN AUTHORIZED SERVICE AGENT FOR THE PCMS, TO ASSURE PROMPT SERVICE IN THE EVENT OF FAILURE. ANY FAILURE SHALL NOT RESULT IN THE SIGN BEING OUT OF SERVICE FOR MORE THAN 12 HOURS, INCLUDING WEEKENDS. FAILURE TO COMPLY MAY RESULT IN AN ORDER TO STOP WORK AND OPEN ALL TRAFFIC LANES AND/OR IN THE DEPARTMENT TAKING APPROPRIATE ACTION TO SAFELY CONTROL TRAFFIC. THE ENTIRE COST TO CONTROL TRAFFIC, ACCRUED BY THE DEPARTMENT DUE TO THE CONTRACTOR'S NONCOMPLIANCE, WILL BE DEDUCTED FROM MONEYS DUE, OR TO BECOME DUE THE CONTRACTOR ON HIS CONTRACT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR 24-HOUR-PER-DAY OPERATION AND MAINTENANCE OF THESE SIGNS ON THE PROJECT FOR THE DURATION OF THE PHASES WHEN THE PLAN REQUIRES THEIR USE.

PAYMENT FOR THE ABOVE DESCRIBED ITEM SHALL BE AT THE CONTRACT UNIT PRICE. PAYMENT SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, FUELS, LUBRICATING OILS, SOFTWARE, HARDWARE, AND INCIDENTALS TO PERFORM THE ABOVE DESCRIBED WORK.

ITEM 614, PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN 3 SIGN MONTH ASSUMING 2 PCMS SIGN(S) FOR 6 MONTH(S)

ITEM 614 - LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE, AS PER PLAN.

USE OF LAW ENFORCEMENT OFFICERS (LEOS) BY CONTRACTORS OTHER THAN THE USES SPECIFIED BELOW WILL NOT BE PERMITTED AT PROJECT COST. LEOS SHOULD NOT BE USED WHERE THE ODOT INTENDS THAT FLAGGERS BE USED.

IN ADDITION TO THE REQUIREMENTS OF C&MS 614 AND THE ODOT, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHALL BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS:

DURING THE ENTIRE ADVANCE PREPARATION AND CLOSURE SEQUENCE WHERE COMPLETE BLOCKAGE OF TRAFFIC IS REQUIRED.

DURING A TRAFFIC SIGNAL INSTALLATION WHEN IMPACTING THE NORMAL FUNCTION OF THE SIGNAL OR THE FLOW OF TRAFFIC, OR WHEN TRAFFIC NEEDS TO BE DIRECTED THROUGH AN ENERGIZED TRAFFIC SIGNAL CONTRARY TO THE SIGNAL DISPLAY (E.G., DIRECTING MOTORISTS THROUGH A RED LIGHT).

IN ADDITION TO THE REQUIREMENT OF C&MS 614 AND THE ODOT, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHOULD BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS AS APPROVED BY THE ENGINEER:

FOR LANE CLOSURES: DURING INITIAL SET-UP PERIODS, TEAR DOWN PERIODS, SUBSTANTIAL SHIFTS OF A CLOSURE POINT OR WHEN A NEW LANE CLOSURE ARRANGEMENTS ARE INITIATED FOR LONG-TERM LANE CLOSURES/SHIFTS (FOR THE FIRST AND LAST DAY OF MAJOR CHANGES IN TRAFFIC CONTROL SETUP).

IN GENERAL, LEOS SHOULD BE POSITIONED IN ADVANCE OF AND ON THE SAME SIDE AS THE LANE RESTRICTION OR AT THE POINT OF ROAD CLOSURE, AND TO MANUALLY CONTROL TRAFFIC MOVEMENTS THROUGH SIGNALIZED INTERSECTIONS IN WORK ZONES.

LEOS SHOULD NOT FORGO THEIR TRAFFIC CONTROL RESPONSIBILITIES TO APPREHEND MOTORISTS FOR ROUTINE TRAFFIC VIOLATIONS. HOWEVER, IF A MOTORIST'S ACTIONS ARE CONSIDERED TO BE RECKLESS, THEN PURSUIT OF THE MOTORIST IS APPROPRIATE.

THE LEOS WORK AT THE DIRECTION OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR SECURING THE SERVICES OF THE LEOS WITH THE APPROPRIATE AGENCIES AND COMMUNICATING THE INTENTIONS OF THE PLANS WITH RESPECT TO DUTIES OF THE LEOS. THE ENGINEER SHALL HAVE FINAL CONTROL OVER THE LEOS' DUTIES AND PLACEMENT, AND WILL RESOLVE ANY ISSUES THAT MAY ARISE BETWEEN THE TWO PARTIES.

ENSURE PROVIDED LEOS HAVE BEEN TRAINED APPROPRIATE TO THE JOB DECISIONS THEY ARE REQUIRED TO MAKE WHILE ON THE PROJECT, IN ACCORDANCE WITH C&MS 614.03.

ITEM 614 - LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE, AS PER PLAN. (CON'T.)

THE LEO SHALL REPORT IN TO THE CONTRACTOR PRIOR TO THE START OF THE SHIFT, IN ORDER TO RECEIVE INSTRUCTIONS REGARDING THE SPECIFIC WORK ASSIGNMENTS DURING HIS/HER SHIFT. THE LEO IS EXPECTED TO STAY AT THE PROJECT SITE FOR THE ENTIRE DURATION OF HIS/HER SHIFT. THE LEO SHALL REPORT TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT. SHOULD IT BE NECESSARY TO LEAVE THE PROJECT SITE, THE LEO SHALL NOTIFY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE THE LEO WITH A TWO-WAY COMMUNICATION DEVICE WHICH SHALL BE RETURNED TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT.

LEOS (WITH PATROL CAR) REQUIRED BY THE TRAFFIC MAINTENANCE TASKS ABOVE SHALL BE PAID FOR ON A UNIT PRICE (HOURLY) BASIS UNDER ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE 100 HOURS

THE HOURS PAID SHALL INCLUDE ANY MINIMUM SHOW-UP TIME REQUIRED BY THE LAW ENFORCEMENT AGENCY INVOLVED.

ANY ADDITIONAL COSTS (ADMINISTRATIVE OR OTHERWISE) INCURRED BY THE CONTRACTOR TO OBTAIN THE SERVICES OF A LEO ARE INCLUDED WITH THE BID UNIT PRICE FOR ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE.

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MAINTENANCE OF TRAFFIC NOTES (2 of 3)

D07-BH-FY20(B)

7
67

LOCATION SPECIFIC MOT:

AUG-033-1507L (W.B. U.S.33 OVER CR25A AND CSX)

US 33: ACCEPTABLE MOT SHALL EITHER BE A) TO MAINTAIN ALL LANES OF TRAFFIC AT ALL TIMES BY STAGING EQUIPMENT, MATERIALS, AND VEHICLES IN THE MEDIAN BEHIND THE EXISTING GUARDRAIL AS DETAILED ON SHEET 9, OR B) USING SCD MT-95.30 TO CLOSE THE INSIDE LANE DURING WORK HOURS ONLY.

AUG-066-1273 (S.B./N.B. S.R. 66 OVER U.S. 33)

US-33: MAINTAIN ALL LANES OF TRAFFIC AT ALL TIMES BY STAGING EQUIPMENT, MATERIALS, AND VEHICLES BEHIND THE EXISTING SHOULDER PIER PROTECTION. THE OUTSIDE SHOULDERS MAY BE CLOSED USING MT-95.45 DURING WORK HOURS ONLY. BARRELS SHALL BE USED INSTEAD OF PORTABLE BARRIER. IN ADDITION, A SHADOW VEHICLE WITH A TRUCK MOUNTED ATTENUATOR IN ACCORDANCE WITH CMS 614.03 SHALL BE USED TO PROTECT THE WORK AREA.

SR-66: THE OUTSIDE NORTHBOUND LANE ONLY MAY BE CLOSED USING SCD MT-95.31 DURING WORK HOURS ONLY.

CLA-004-0611R (S.R. 4 OVER I.R. 70)

IR-70: MAINTAIN ALL LANES OF TRAFFIC AT ALL TIMES BY STAGING EQUIPMENT, MATERIALS, AND VEHICLES BEHIND THE EXISTING SHOULDER PIER PROTECTION. THE OUTSIDE SHOULDERS MAY BE CLOSED USING MT-95.45 DURING WORK HOURS ONLY. BARRELS SHALL BE USED INSTEAD OF PORTABLE BARRIER. IN ADDITION, A SHADOW VEHICLE WITH A TRUCK MOUNTED ATTENUATOR IN ACCORDANCE WITH CMS 614.03 SHALL BE USED TO PROTECT THE WORK AREA.

SR-4: ONE LANE MAY BE CLOSED USING SCD MT-95.30 DURING WORK HOURS ONLY.

CLA-054-0561 (S.R. 54 OVER I.R. 70)

IR-70: MAINTAIN ALL LANES OF TRAFFIC AT ALL TIMES BY STAGING EQUIPMENT, MATERIALS, AND VEHICLES BEHIND THE EXISTING SHOULDER PIER PROTECTION. THE OUTSIDE SHOULDERS MAY BE CLOSED USING MT-95.45 DURING WORK HOURS ONLY. BARRELS SHALL BE USED INSTEAD OF PORTABLE BARRIER. IN ADDITION, A SHADOW VEHICLE WITH A TRUCK MOUNTED ATTENUATOR IN ACCORDANCE WITH CMS 614.03 SHALL BE USED TO PROTECT THE WORK AREA.

SR-54: MAINTAIN ALL LANES OF TRAFFIC AT ALL TIMES.

CLA-070-0173 (E.B. & W.B. I.R. 70 OVER MAD RIVER)

IR-70: CLOSE THE OUTSIDE SHOULDERS USING MT-95.45 DURING WORK HOURS ONLY. BARRELS SHALL BE USED INSTEAD OF PORTABLE BARRIER. IN ADDITION, A SHADOW VEHICLE WITH A TRUCK MOUNTED ATTENUATOR IN ACCORDANCE WITH CMS 614.03 SHALL BE USED TO PROTECT THE WORK AREA.

CLA-070-1446 (SELMA RD. OVER I.R.70)

IR-70: MAINTAIN ALL LANES OF TRAFFIC AT ALL TIMES BY STAGING EQUIPMENT, MATERIALS, AND VEHICLES BEHIND THE EXISTING SHOULDER PIER PROTECTION. THE OUTSIDE SHOULDERS MAY BE CLOSED USING MT-95.45 DURING WORK HOURS ONLY. BARRELS SHALL BE USED INSTEAD OF PORTABLE BARRIER. IN ADDITION, A SHADOW VEHICLE WITH A TRUCK MOUNTED ATTENUATOR IN ACCORDANCE WITH CMS 614.03 SHALL BE USED TO PROTECT THE WORK AREA.

SELMA PIKE: MAINTAIN ALL LANES OF TRAFFIC AT ALL TIMES.

CLA-070-2631 (SYLVAN SHORES RD. OVER I.R.70)

IR-70: MAINTAIN ALL LANES OF TRAFFIC AT ALL TIMES BY STAGING EQUIPMENT, MATERIALS, AND VEHICLES BEHIND THE EXISTING SHOULDER PIER PROTECTION. THE OUTSIDE SHOULDERS MAY BE CLOSED USING MT-95.45 DURING WORK HOURS ONLY. BARRELS SHALL BE USED INSTEAD OF PORTABLE BARRIER. IN ADDITION, A SHADOW VEHICLE WITH A TRUCK MOUNTED ATTENUATOR IN ACCORDANCE WITH CMS 614.03 SHALL BE USED TO PROTECT THE WORK AREA.

SELMA PIKE: MAINTAIN ALL LANES OF TRAFFIC AT ALL TIMES.

CLA-072-0863 (S.R. 72 OVER MONROE ST. WASHINGTON ST. AND NS RR.)

IR-70: MAINTAIN ALL LANES OF TRAFFIC AT ALL TIMES.

MONROE & WASHINGTON ST.: CLOSE 1 LANE USING MT-97.10. ALL EQUIPMENT, MATERIAL, AND VEHICLES SHALL BE STAGED WITHIN THIS CLOSURE, UNLESS APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING PEDESTRIAN AND BIKE TRAFFIC DURING WORK HOURS.

CLA-334-0086 (W.B./E.B. S.R. 334 OVER BIKE PATH AND INDIANA & OHIO URBANA SUB RR.)

SR-334: CLOSE THE OUTSIDE SHOULDERS USING MT-95.45 DURING WORK HOURS ONLY. BARRELS SHALL BE USED INSTEAD OF PORTABLE BARRIER. IN ADDITION, A SHADOW VEHICLE WITH A TRUCK MOUNTED ATTENUATOR IN ACCORDANCE WITH CMS 614.03 SHALL BE USE TO PROTECT THE WORK AREA.

CLA-334-0099 (W.B./E.B. S.R. 334 OVER S.R. 72)

SR-70: MAINTAIN ALL LANES OF TRAFFIC AT ALL TIMES BY STAGING EQUIPMENT, MATERIALS, AND VEHICLES BEHIND THE EXISTING SHOULDER PIER PROTECTION. THE OUTSIDE SHOULDERS MAY BE CLOSED USING MT-95.45 DURING WORK HOURS ONLY. BARRELS SHALL BE USED INSTEAD OF PORTABLE BARRIER. IN ADDITION, A SHADOW VEHICLE WITH A TRUCK MOUNTED ATTENUATOR IN ACCORDANCE WITH CMS 614.03 SHALL BE USED TO PROTECT THE WORK AREA.

SR-334: MAINTAIN ALL LANES OF TRAFFIC AT ALL TIMES.

MER-029-1429 (S.R. 29 OVER R.J. CORMAN RAILROAD)

US 33: ACCEPTABLE MOT SHALL EITHER BE A) TO MAINTAIN ALL LANES OF TRAFFIC AT ALL TIMES BY STAGING EQUIPMENT, MATERIALS, AND VEHICLES IN THE MEDIAN BEHIND THE EXISTING GUARDRAIL AS DETAILED ON SHEET 9, OR B) CLOSING ONE LANE USING SCD MT-95.30 DURING WORK HOURS.

MIA-055-1183 (S.R. 55 OVER GREAT MIAMI RIVER)

SR-55: CLOSE THE OUTSIDE NB LANE USING MT-95.31 DURING WORK HOURS ONLY. ALL EQUIPMENT, MATERAIL, AND VEHICLES SHALL BE STAGED WITHIN THIS CLOSURE, UNLESS APPROVED BY THE ENGINEER. DETOUR PEDESTRIANS AS SHOWN ON SHEET 10,11.

MOT-004-2050L (S.R. 4 OVER HARSHMAN ROAD)

SR-4: CLOSE LANES USING MT-95.30 DURING WORK HOURS ONLY. ALL EQUIPMENT, MATERAIL, AND VEHICLES SHALL BE STAGED WITHIN THIS CLOSURE, UNLESS APPROVED BY THE ENGINEER. DETOUR THE ON RAMP FROM HARSHMAN RD AS SHOWN ON SHEET 17 WHEN THE OUTSIDE LANE ON SB SR -4 IS CLOSED ONLY.

HARSHMAN RD.: MAINTAIN ALL THROUGH LANES OF TRAFFIC AT ALL TIMES, TURN LANES TO RAMP FROM HARSHMAN RD SHALL BE DETOURED AS INDICATED ABOVE.

MOT-035-1395 L&R (U.S. 35 OVER FRONTAGE ST, B&O RR. AND HOME AVE.)

US-35: CLOSE LANES AS DETAILED ON SHEETS 16-20 AND USING MT-95.30 & 98.11 DURING WORK HOURS ONLY. ALL EQUIPMENT, MATERIALS, AND VEHICLES SHALL BE STAGED WITHIN THIS CLOSURE, UNLESS APPROVED BY THE ENGINEER. SINGLE LANE CLOSURE LEFT ANYTIME - TWO LANE CLOSURE RIGHT - 8:PM TO 2:PM.

FRONTAGE ST. & HOME AVE.: MAINTAIN ALL LANES OF TRAFFIC AT ALL TIMES.

MOT-035-1629R (S.B. 35 OVER S. PATTERSON BLVD. AND S.R. 48)

US-35: MAINTAIN ALL LANES OF TRAFFIC AT ALL TIMES.

SR-48: MAINTAIN ALL LANES OF TRAFFIC AT ALL TIMES BY STAGING EQUIPMENT, MATERIALS, AND VEHICLES BEHIND THE EXISTING SHOULDER PIER PROTECTION. DETOUR PEDESTRIAN AS SHOWN ON SHEET 22.

MOT-048-1214 (LUDLOW ST. RAMP "D" OVER S.R. 48)

US-35: MAINTAIN ALL LANES OF TRAFFIC AT ALL TIMES.

SR-48: MAINTAIN ALL LANES OF TRAFFIC AT ALL TIMES BY STAGING EQUIPMENT, MATERIALS, AND VEHICLES BEHIND THE EXISTING SHOULDER PIER PROTECTION. DETOUR PEDESTRIAN AS SHOWN ON SHEET 22.

MOT-049-1091L (S.R. 49 OVER I.R. 70)

SR-70: MAINTAIN ALL LANES OF TRAFFIC AT ALL TIMES BY STAGING EQUIPMENT, MATERIALS, AND VEHICLES IN BEHIND THE EXISTING SHOULDER PIER PROTECTION. THE OUTSIDE SHOULDERS MAY BE CLOSED USING MT-95.45 DURING WORK HOURS ONLY. BARRELS SHALL BE USED INSTEAD OF PORTABLE BARRIER. IN ADDITION, A SHADOW VEHICLE WITH A TRUCK MOUNTED ATTENUATOR IN ACCORDANCE WITH CMS 614.03 SHALL BE USED TO PROTECT THE WORK AREA.

SR-49: MAINTAIN ALL LANES OF TRAFFIC AT ALL TIMES.

MOT-075-0373L (I.R. 75 SB. OVER S.R. 725)

IR-75: MAINTAIN ALL LANES OF TRAFFIC AT ALL TIMES.

SR-725: SEE DETAILS ON SHEETS 24-28.

ALL EQUIPMENT, MATERIALS, AND VEHICLES SHALL BE STAGED WITHIN THESE CLOSURES, UNLESS APPROVED BY THE ENGINEER.

MOT-075-1466 (I.R.75 OVER LEO ST)

IR-75: CLOSE LANES USING MT-95.30 DURING WORK HOURS ONLY. ALL EQUIPMENT, MATERAIL, AND VEHICLES SHALL BE STAGED WITHIN THIS CLOSURE, UNLESS APPROVED BY THE ENGINEER.

LEO ST.: MAINTAIN ALL LANES OF TRAFFIC AT ALL TIMES. MAINTAIN PEDESTRIAN WALKWAYS AT ALL TIMES. ALL EQUIPEMENT, MATERIAL, AND VEHICLES SHALL BE STAGED BEHIND THE CURB, FENCING, ALONGSIDE HILLROSE AVE, OR ALONGSIDE THE ALLEY UNLESS APPROVED BY THE ENGINEER.

MOT-075-1503 (I.R. 75 OVER STANLEY AVE.)

IR-75: MAINTAIN ALL LANES OF TRAFFIC AT ALL TIMES.

STANLEY AVE: MAINTAIN ALL LANES OF TRAFFIC AT ALL TIMES BY STAGING EQUIPMENT, MATERIALS, AND VEHICLES BEHIND THE EXISTING SHOULDER PIER PROTECTION. DETOUR PEDESTRIAN AS SHOWN ON SHEET 29.

MOT-235-0022L (SR 235 OVER SR-4)

SR-235: MAINTAIN ALL LANES OF TRAFFIC AT ALL TIMES.

SR-4: CLOSE OUTSIDE SB LANES USING MT-95.30 DURING WORK HOURS ONLY. ALL EQUIPMENT, MATERIAL, AND VEHICLES SHALL BE STAGED WITHIN THIS CLOSURE, UNLESS APPROVED BY THE ENGINEER.

CLOSE TURN LANES ON SR-235 TO THE RAMP FOR SB SR-4. AND DETOUR THE RAMP TO SB SR-4 FROM SR-235 AS SHOWN ON SHEET 36 DURING WORK HOURS ONLY.

MOT-675-0063R (RAMP "V" OVER S.R.741 AND TRIB OF HOLES CR.)

IR-675: CLOSE ONE LANE USING MT-95.30 DURING WORK HOURS ONLY. ALL EQUIPMENT, MATERIALS, AND VEHICLES SHALL BE STAGED WITHIN THIS CLOSURE, UNLESS APPROVED BY THE ENGINEER.

SR-741: MAINTAIN ALL LANES OF TRAFFIC AT ALL TIMES.

MOT-675-0129 (LYONS RD. OVER I.R. 675)

IR-675: CLOSE THE OUTSIDE NB & SB LANE USING MT-95.30 DURING WORK HOURS ONLY. ALL EQUIPMENT, MATERIALS, AND VEHICLES SHALL BE STAGED WITHIN THIS CLOSURE, UNLESS APPROVED BY THE ENGINEER. PLCS: 7PM TO 6AM, SUNDAY NIGHT THRU FIRDAY MORNING.

LYONS RD.: MAINTAIN ALL LANES OF TRAFFIC AT ALL TIMES.

MOT-675-0233 (YANKEE ST. OVER I.R. 675)

IR-675: CLOSE THE OUTSIDE NB & SB LANE USING MT-95.30 DURING WORK HOURS ONLY. ALL EQUIPMENT, MATERIALS, AND VEHICLES SHALL BE STAGED WITHIN THIS CLOSURE, UNLESS APPROVED BY THE ENGINEER.

YANKEE ST.: MAINTAIN ALL LANES OF TRAFFIC AT ALL TIMES.

MOT-675-0647 (BIGGER RD. OVER I.R. 675)

IR-675: CLOSE THE OUTSIDE SHOULDERS USING MT-95.45 DURING WORK HOURS ONLY. BARRELS SHALL BE USED INSTEAD OF PORTABLE BARRIER. IN ADDITION, A SHADOW VEHICLE WITH A TRUCK MOUNTED ATTENUATOR IN ACCORDANCE WITH CMS 614.03 SHALL BE USED TO PROTECT THE WORK AREA.

BIGGER RD.: MAINTAIN ALL LANES OF TRAFFIC AT ALL TIMES.

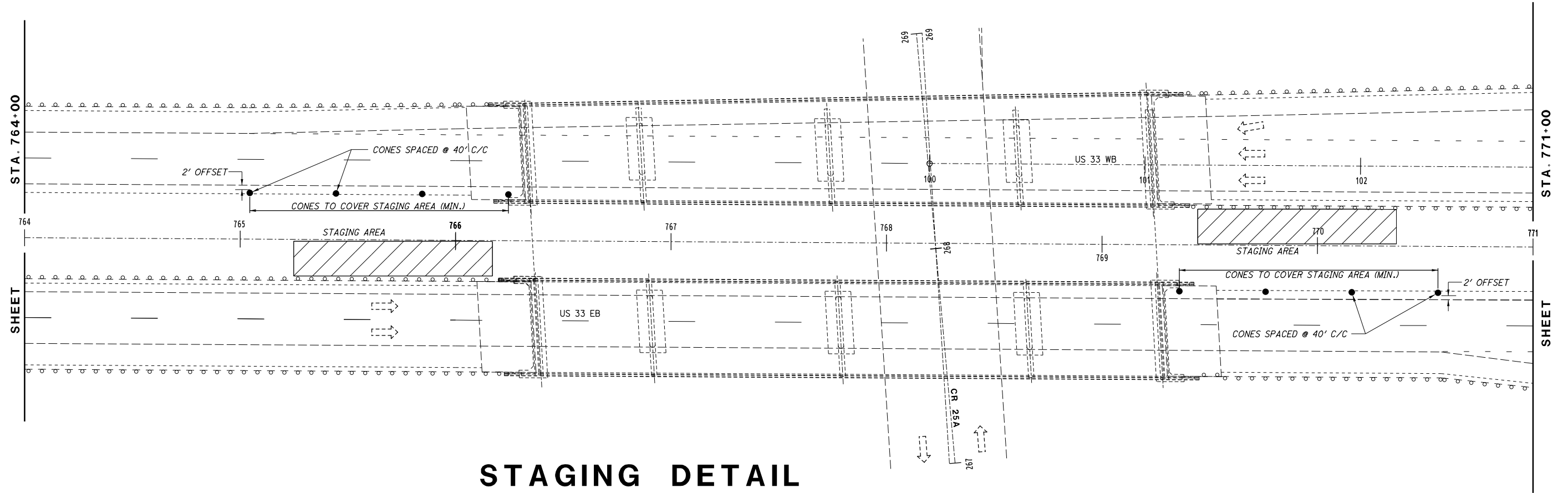
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MAINTENANCE OF TRAFFIC NOTES (3 of 3)

D07-BH-FY20(B)

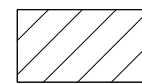
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STAGING DETAIL

(AUG-33-1507L SHOWN/MER-29-1427 L&R SIMILAR)

LEGEND

 = STAGING AREA



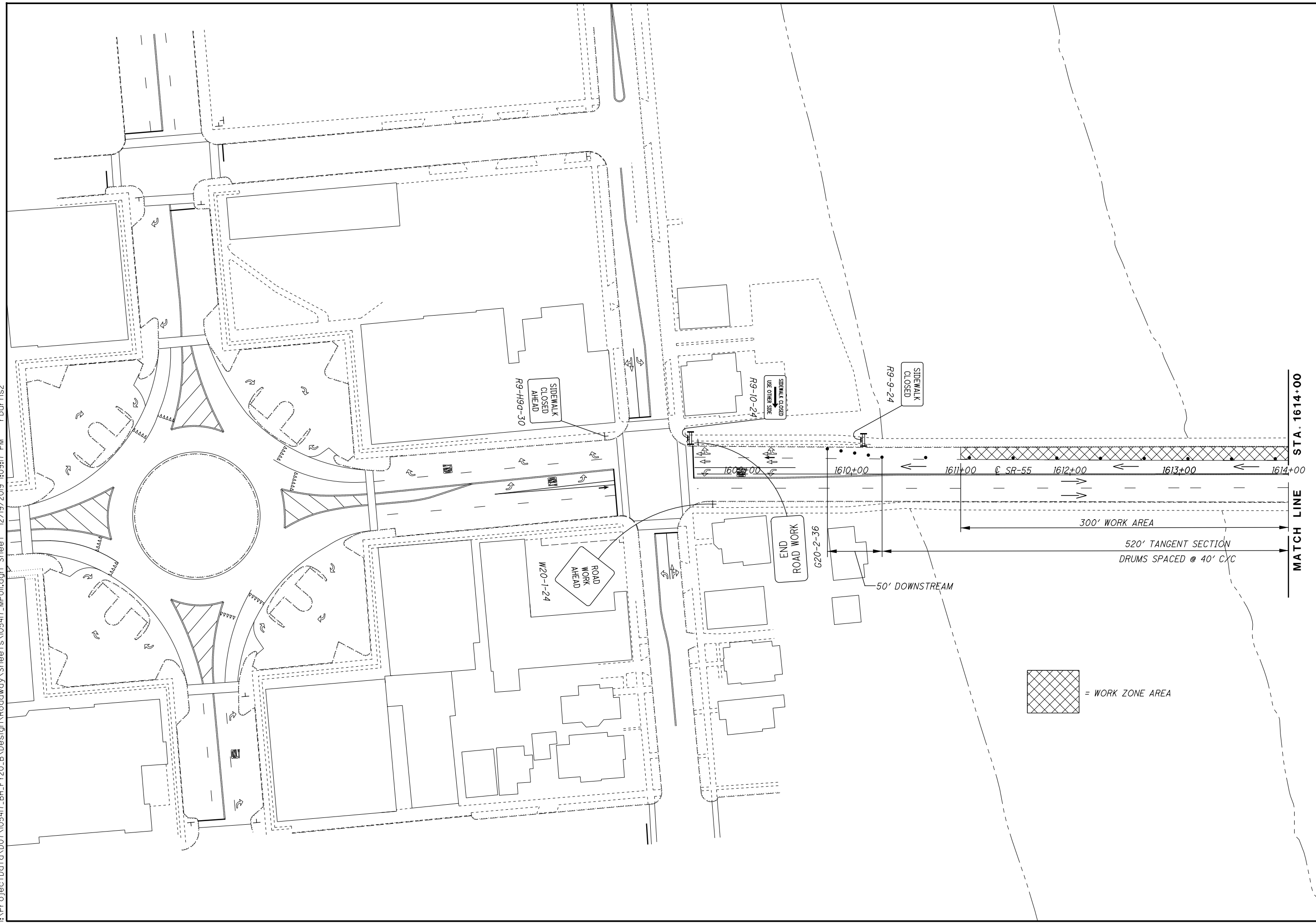
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**MAINTENANCE OF TRAFFIC PLAN
MEDIAN STAGING DETAILS**

D07 - BH - FY 20(B)

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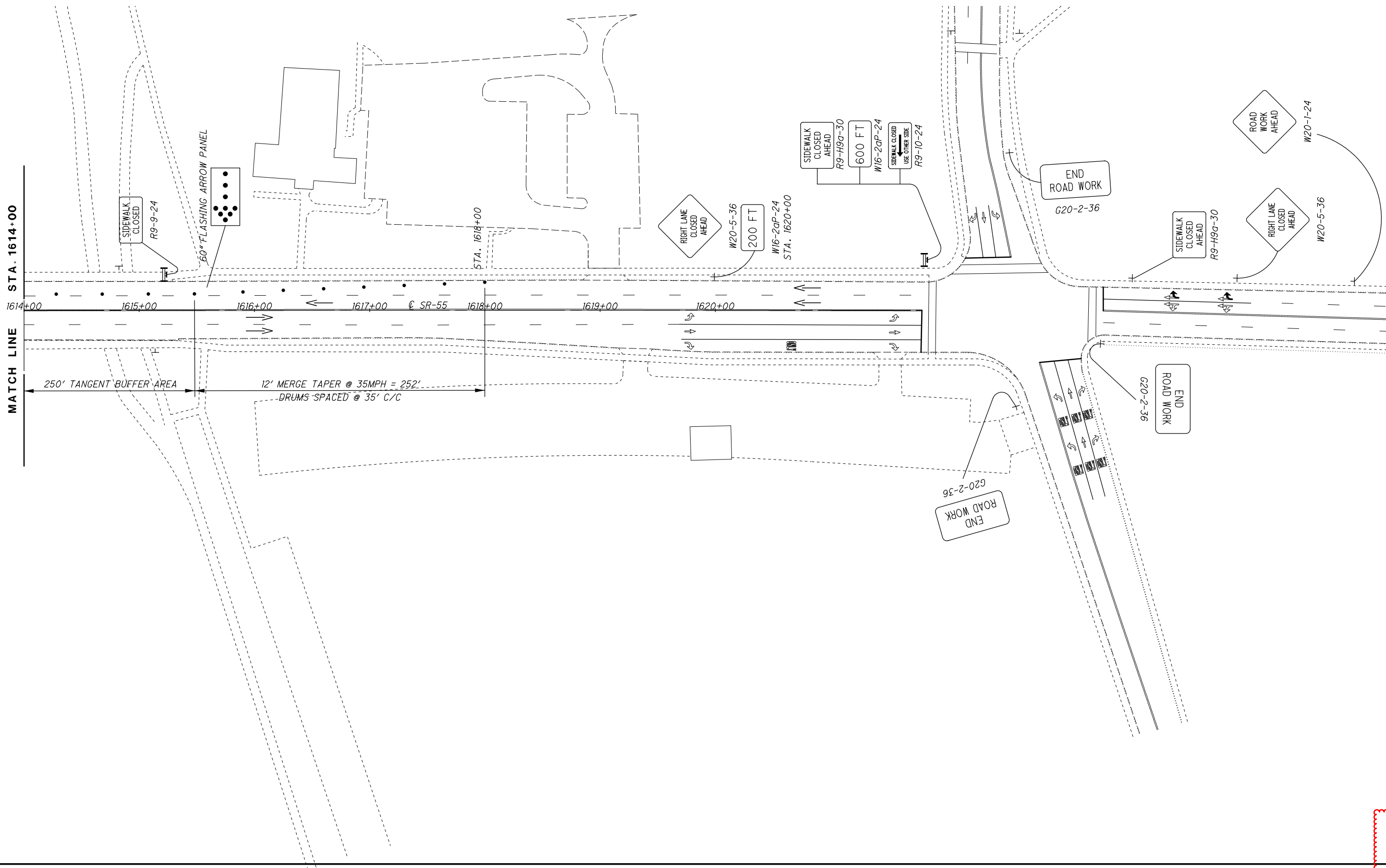
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HORIZONTAL SCALE IN FEET

MAINTENANCE OF TRAFFIC - (1 OF 2)
MIA-55-1183 OVER GREAT MIAMI RIVER

D07-BH-FY20(B)

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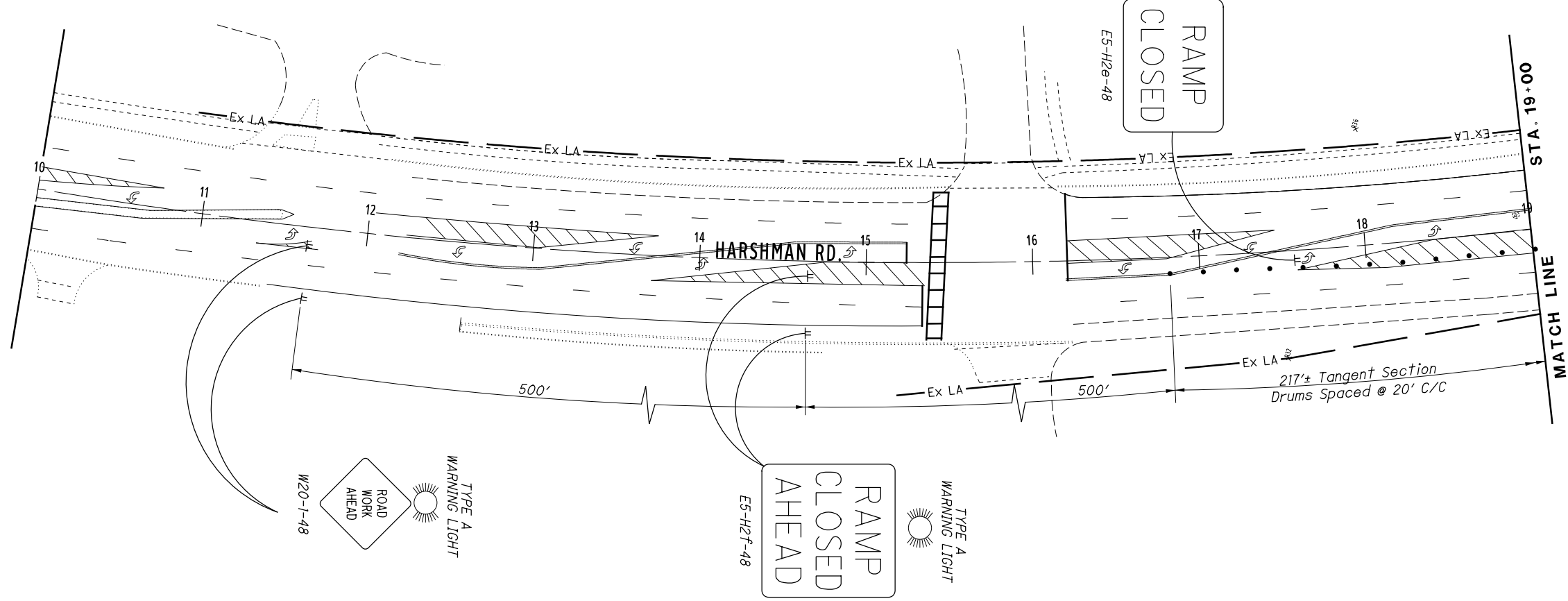
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SCALE IN FEET

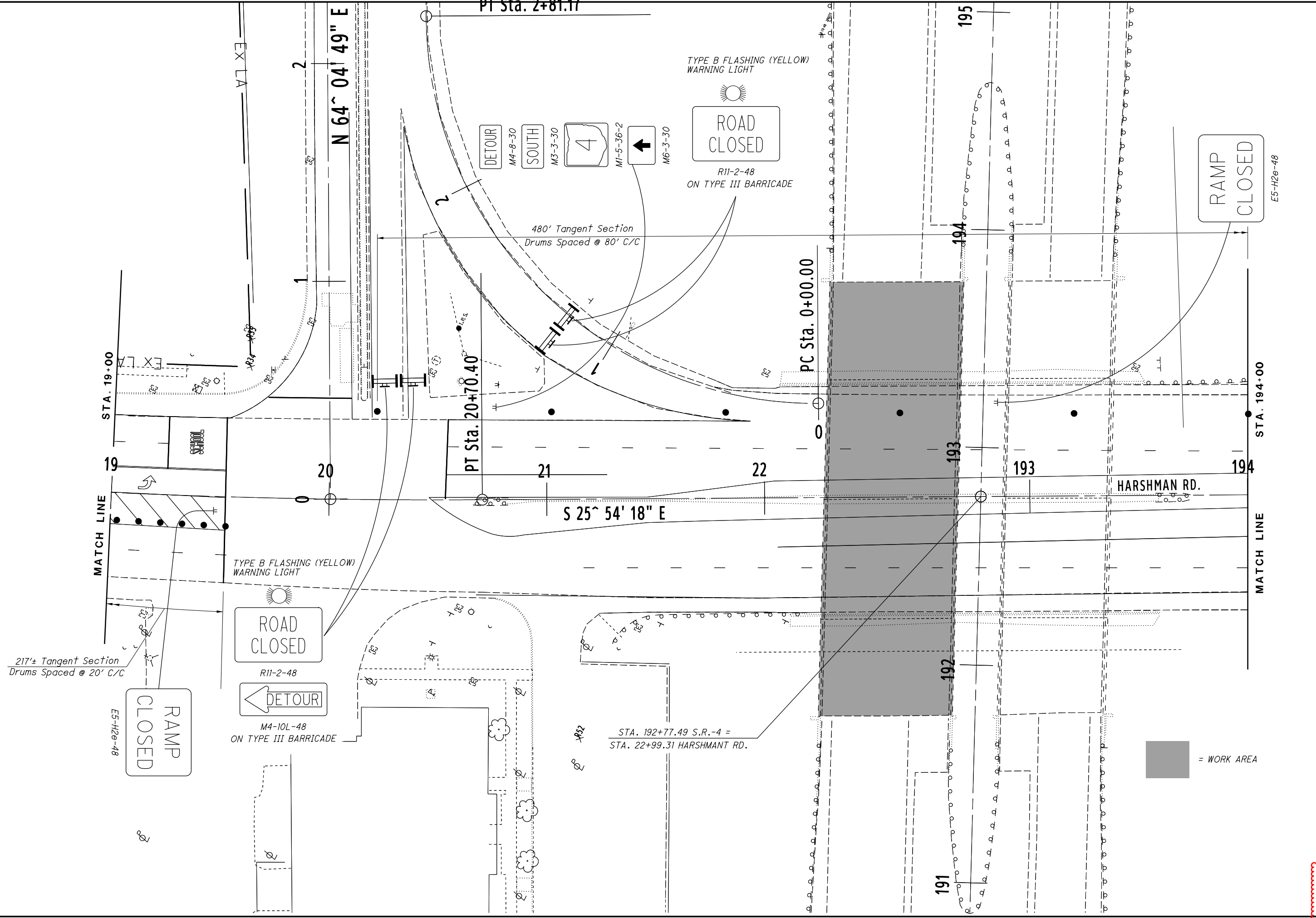
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MAINTENANCE OF TRAFFIC - (2 OF 2)
MIA-55-1183 OVER GREAT MIAMI RIVER

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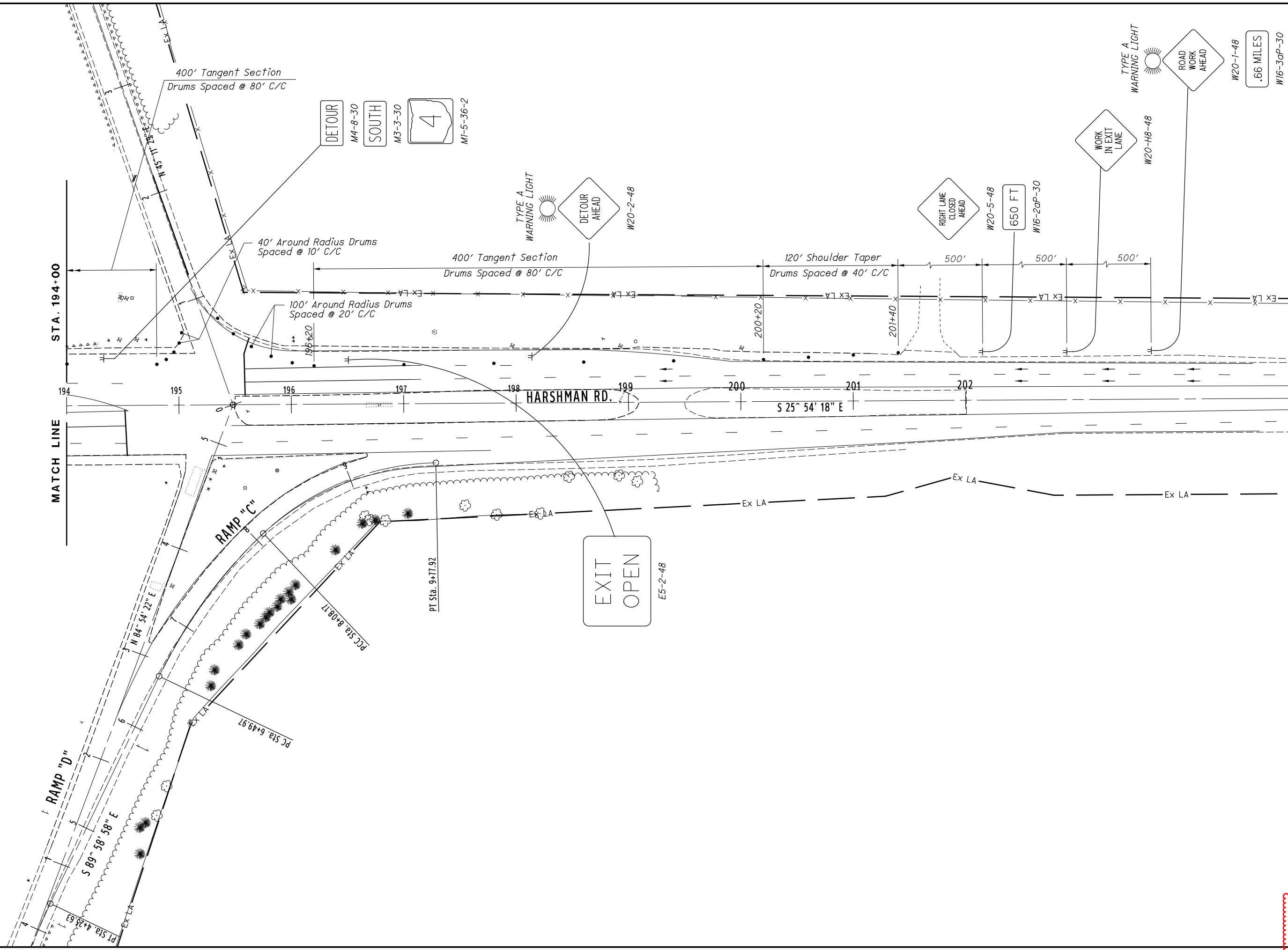
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HORIZONTAL SCALE IN FEET

MAINTENANCE OF TRAFFIC (2 of 3)
MOT-4-2050L OVER HARSHMAN RD.

D07-BH-FY20(B)

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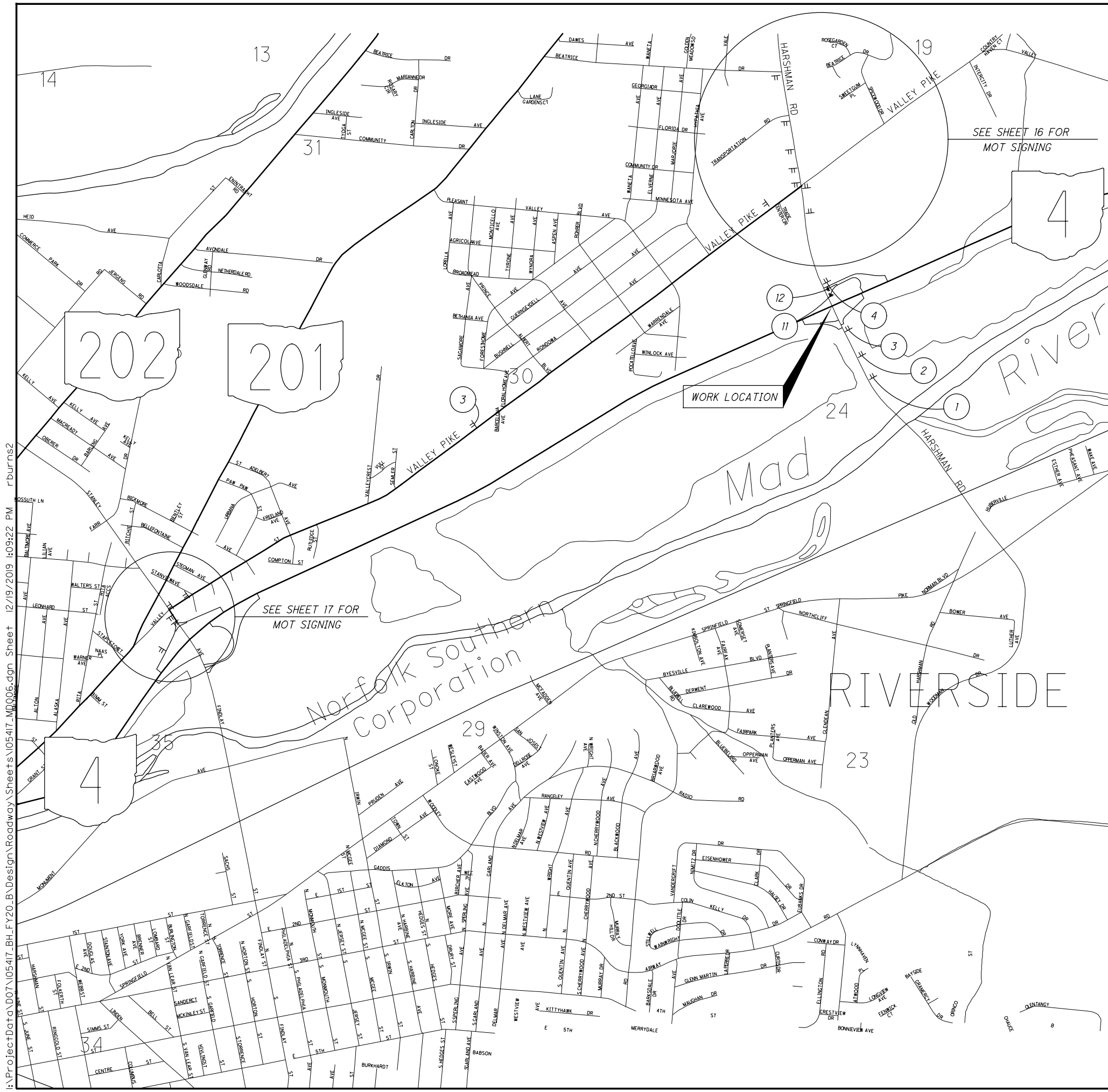
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HORIZONTAL SCALE IN FEET

0 40 80
SCALE IN FEET

0.66 MILES
W16-3aP-30

MAINTENANCE OF TRAFFIC (3 of 3)
MOT-4-2050L OVER HARSHAMAN RD.

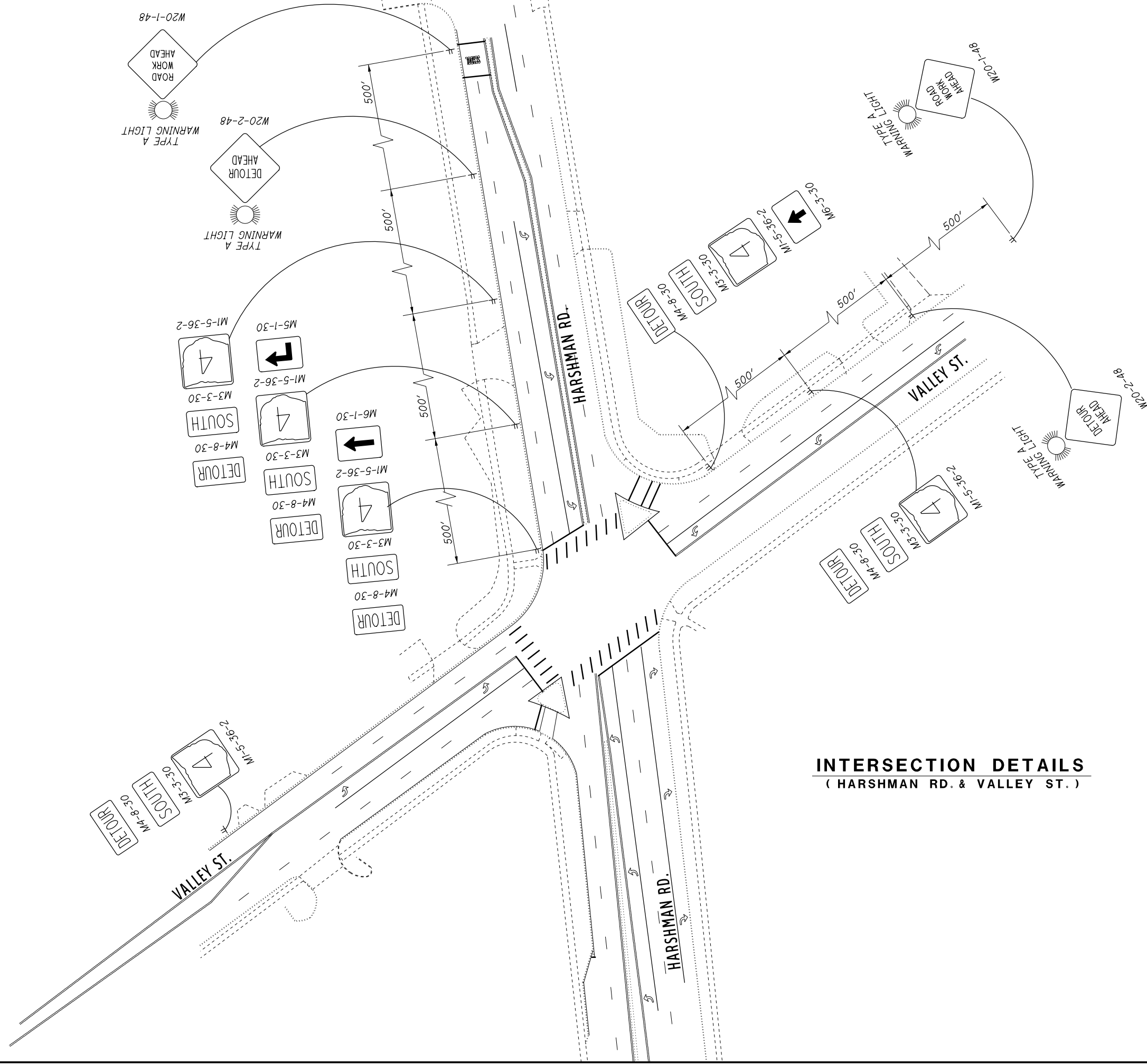
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<p>TYPE A WARNING LIGHT</p> <p>W20-1-48</p> <p>1 MILES</p> <p>W16-3aP-30</p> <p>1</p>	<p>TYPE A WARNING LIGHT</p> <p>W20-2-48</p> <p>2</p>	<p>DETOUR</p> <p>M4-8-30</p> <p>SOUTH</p> <p>M3-3-30</p> <p>M1-5-36-2</p> <p>3</p>	<p>DETOUR</p> <p>M4-8-30</p> <p>SOUTH</p> <p>M3-3-30</p> <p>M1-5-36-2</p> <p>M6-3-30</p> <p>4</p>	
<p>DETOUR</p> <p>M4-8-30</p> <p>SOUTH</p> <p>M3-3-30</p> <p>M1-5-36-2</p> <p>M5-1-30</p> <p>5</p>	<p>DETOUR</p> <p>M4-8-30</p> <p>SOUTH</p> <p>M3-3-30</p> <p>M1-5-36-2</p> <p>M6-1-30</p> <p>6</p>	<p>DETOUR</p> <p>M4-8-30</p> <p>SOUTH</p> <p>M3-3-30</p> <p>M1-5-36-2</p> <p>M5-1-30</p> <p>7</p>	<p>DETOUR</p> <p>M4-8-30</p> <p>SOUTH</p> <p>M3-3-30</p> <p>M1-5-36-2</p> <p>M6-1-30</p> <p>8</p>	<p>DETOUR</p> <p>M4-8-30</p> <p>SOUTH</p> <p>M3-3-30</p> <p>M1-5-36-2</p> <p>M5-2-30</p> <p>9</p>
<p>END DETOUR</p> <p>M4-8a-24</p> <p>10</p>	<p>TYPE B FLASHING (YELLOW) WARNING LIGHT</p> <p>ROAD CLOSED</p> <p>R11-2-48</p> <p>ON TYPE III BARRICADE</p> <p>11</p>	<p>TYPE B FLASHING (YELLOW) WARNING LIGHT</p> <p>ROAD CLOSED</p> <p>R11-2-48</p> <p>M4-10L-48</p> <p>ON TYPE III BARRICADE</p> <p>12</p>		

FOR MORE DETAILS SEE MAINTENANCE OF TRAFFIC SHEETS 12-14.

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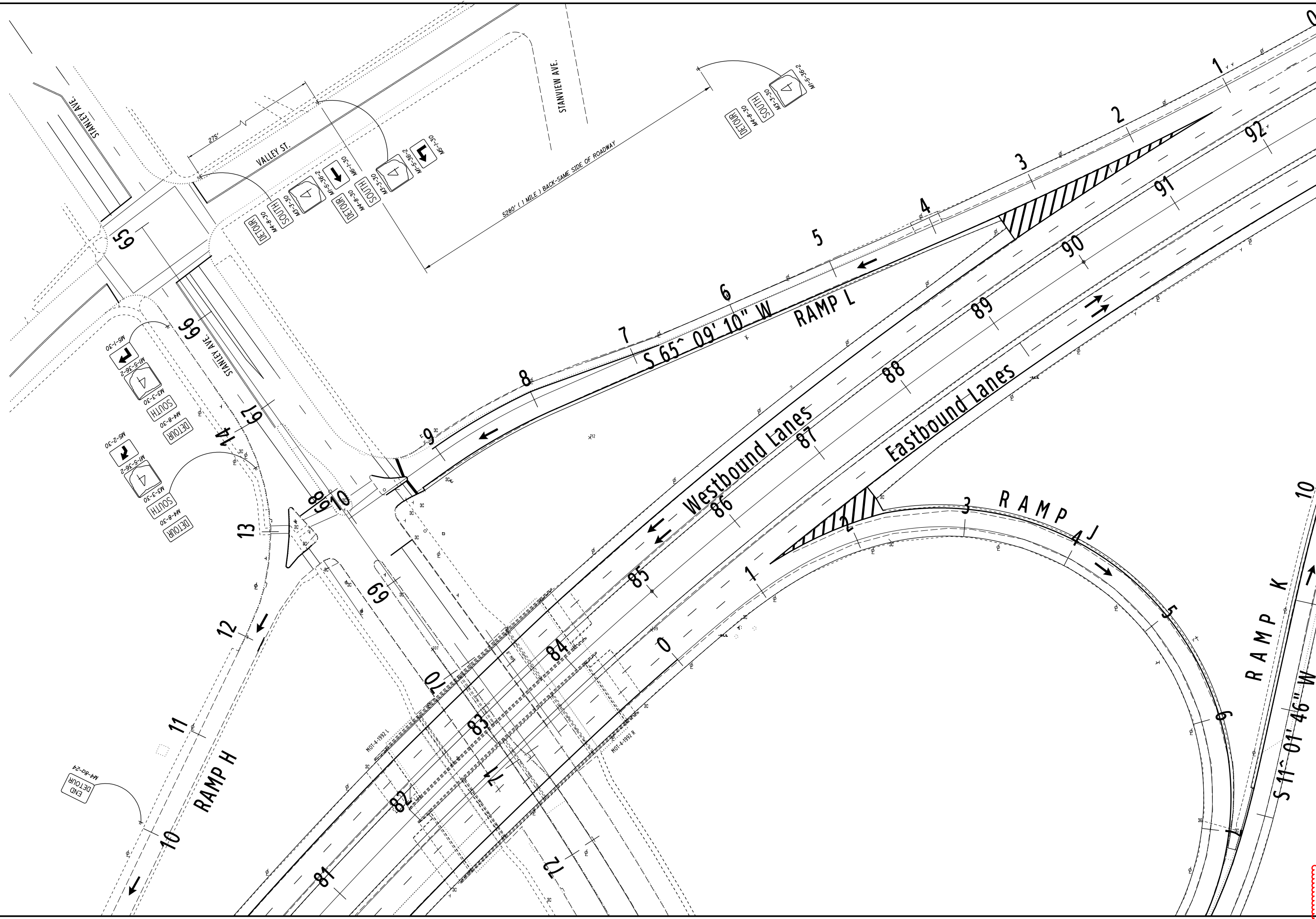


INTERSECTION DETAILS
 (HARSHMAN RD. & VALLEY ST.)

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 HORIZONTAL SCALE IN FEET

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HORIZONTAL SCALE IN FEET

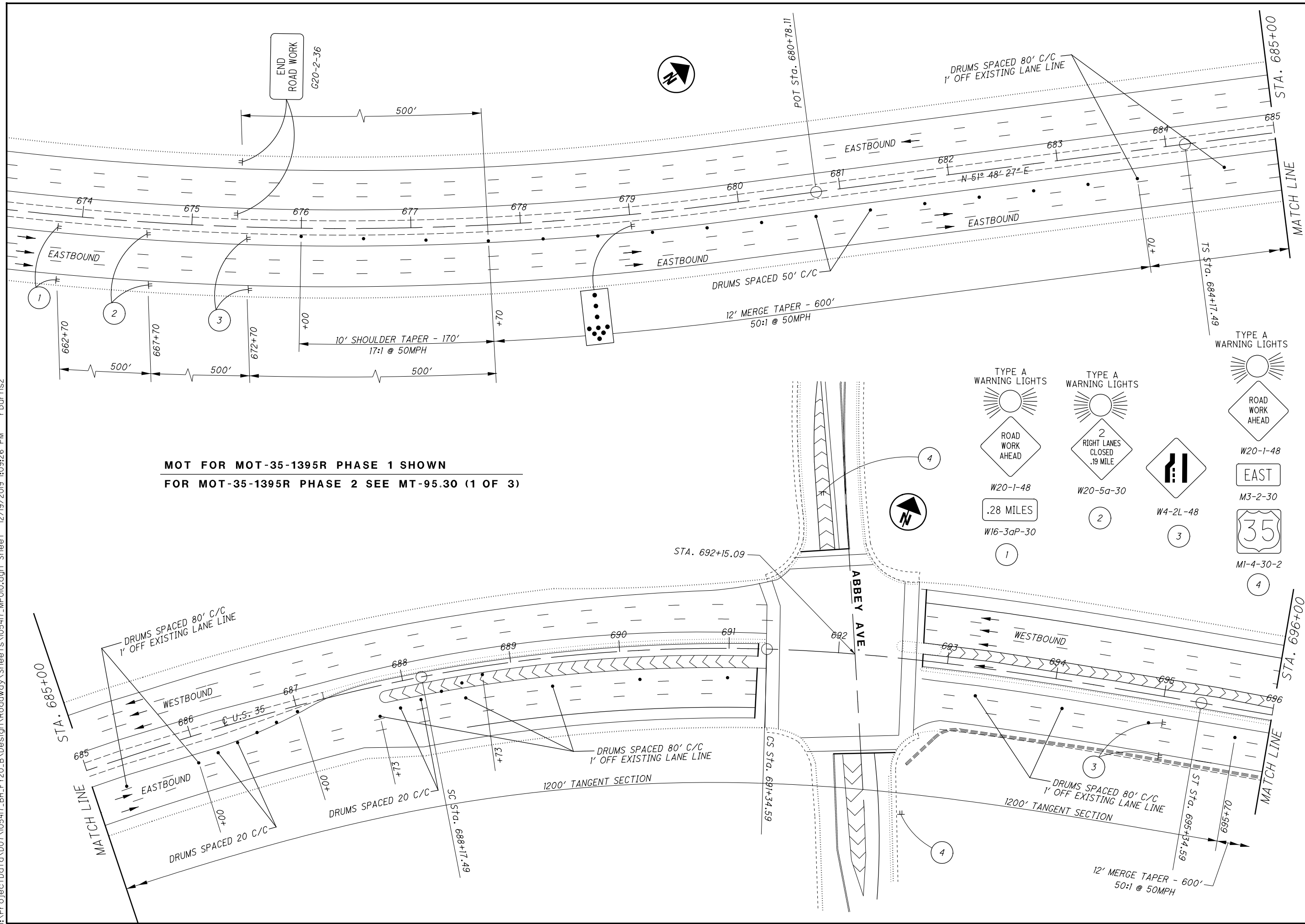
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DETOUR MAP - MOT-4-2050L (3 OF 3)

D07-BH-FY20(B)

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MOT FOR MOT-35-1395R PHASE 1 SHOWN
FOR MOT-35-1395R PHASE 2 SEE MT-95.30 (1 OF 3)

DRUMS SPACED 80' C/C
 1' OFF EXISTING LANE LINE

DRUMS SPACED 50' C/C
 12' MERGE TAPER - 600'
 50:1 @ 50MPH

10' SHOULDER TAPER - 170'
 17:1 @ 50MPH

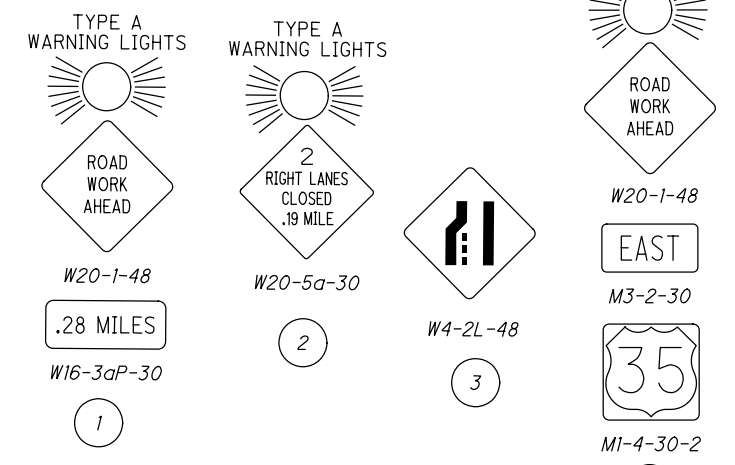
DRUMS SPACED 80' C/C
 1' OFF EXISTING LANE LINE

1200' TANGENT SECTION

DRUMS SPACED 80' C/C
 1' OFF EXISTING LANE LINE

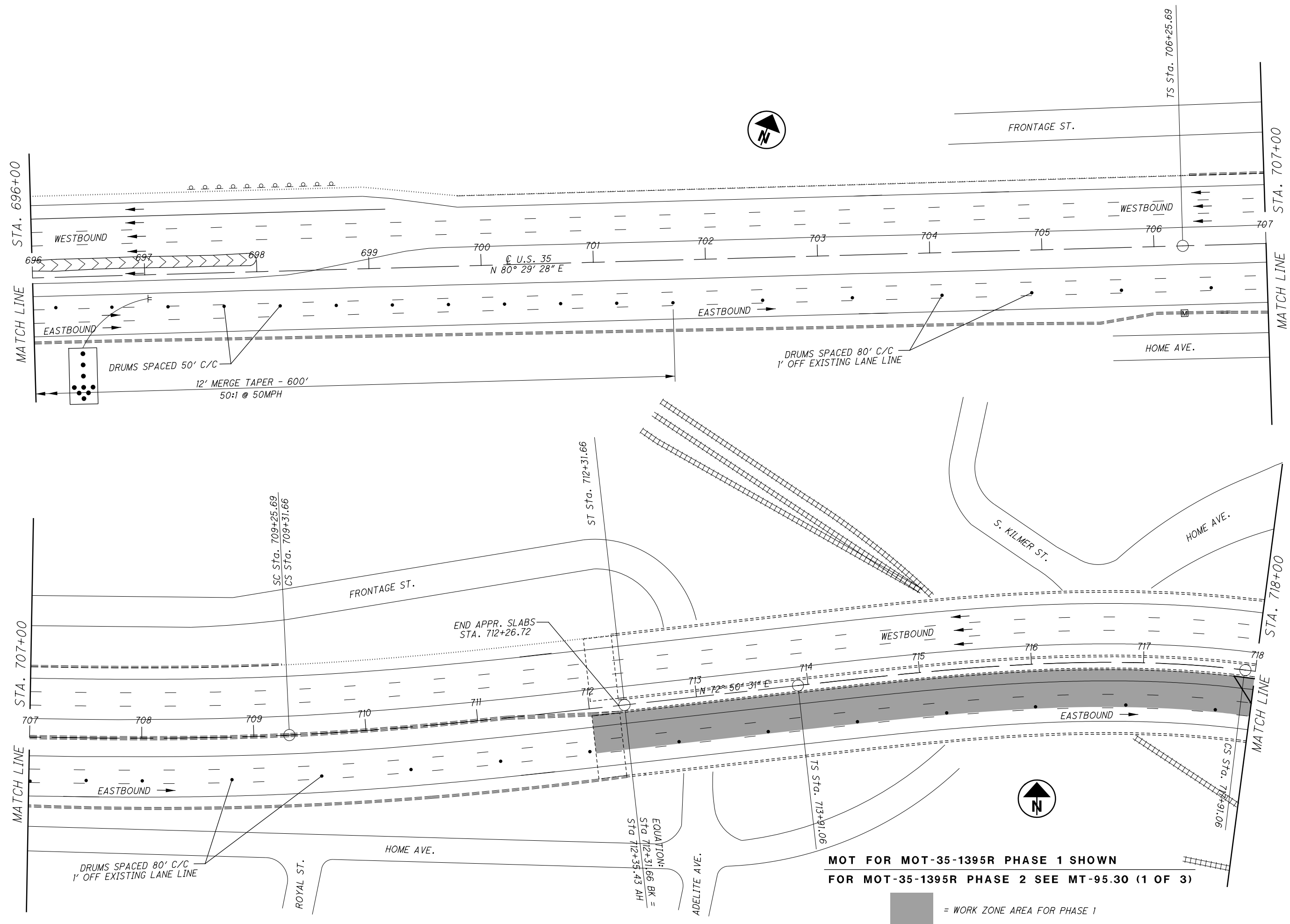
DRUMS SPACED 80' C/C
 1' OFF EXISTING LANE LINE

12' MERGE TAPER - 600'
 50:1 @ 50MPH



CALCULATED	REB	0	40	20	80
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HORIZONTAL SCALE IN FEET					
MAINTENANCE OF TRAFFIC - PHASE 1 (1 OF 3)					
MOT-35-1395R OVER FRONTAGE AND HOME AVE.					
D07 - BH - FY20(B)					
18					
67					

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MOT FOR MOT-35-1395R PHASE 1 SHOWN
FOR MOT-35-1395R PHASE 2 SEE MT-95.30 (1 OF 3)

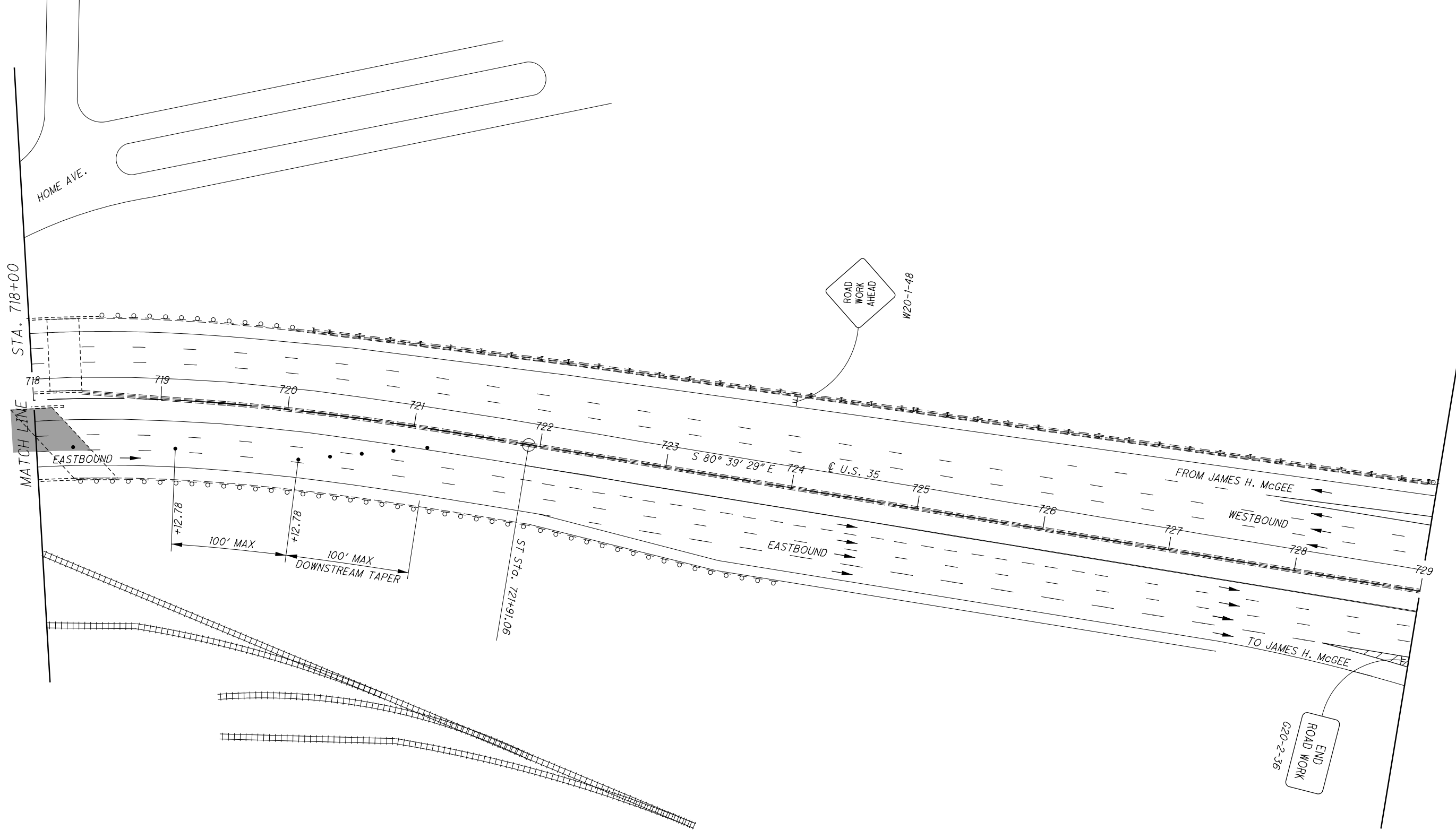
 = WORK ZONE AREA FOR PHASE 1

0	40	80
HORIZONTAL SCALE IN FEET		
CALCULATED	REB	CHECKED
		PNS

MAINTENANCE OF TRAFFIC - PHASE 1 (2 OF 3)
MOT-35-1395R OVER FRONTAGE AND HOME AVE.

D07 - BH - FY20(B)

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MOT FOR MOT-35-1395R PHASE 1 SHOWN
FOR MOT-35-1395R PHASE 2 SEE MT-95.30 (1 OF 3)

 = WORK ZONE AREA FOR PHASE 1

CALCULATED
 REB
 CHECKED
 PNS

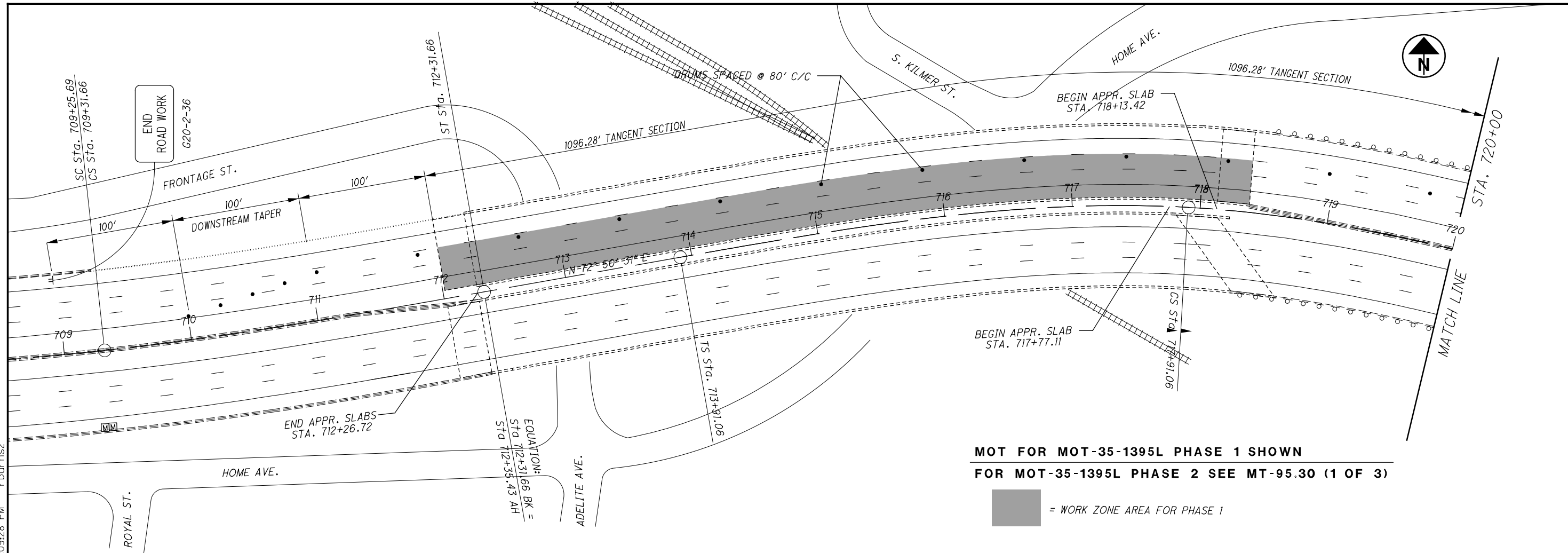
0 20 40 80
 HORIZONTAL
 SCALE IN FEET

MAINTENANCE OF TRAFFIC - PHASE 1 (3 OF 3)
MOT-35-1395R OVER FRONTAGE AND HOME AVE.

D07 - BH - FY 20(B)

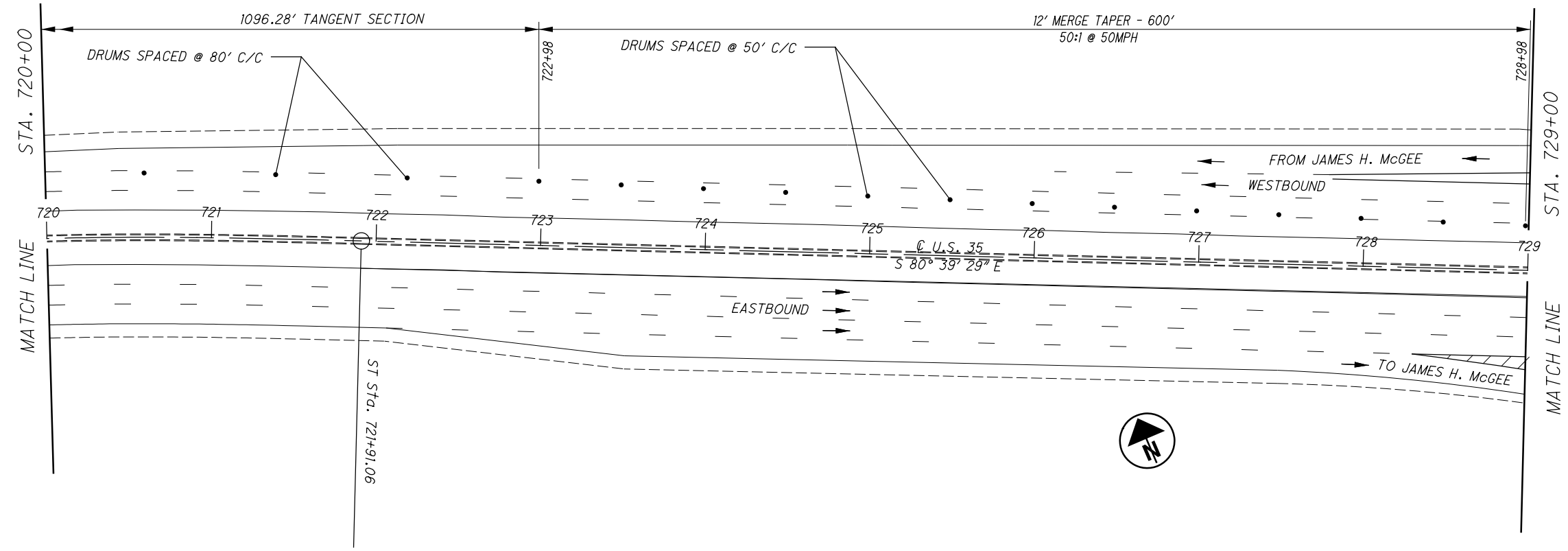
20
 67

I:\Project\05417\05417_BH_FY20_B\Design\Roadway\Sheets\05417_MP00.dgn Sheet 12/19/2019 1:09:28 PM rburns2



**MOT FOR MOT-35-1395L PHASE 1 SHOWN
FOR MOT-35-1395L PHASE 2 SEE MT-95.30 (1 OF 3)**

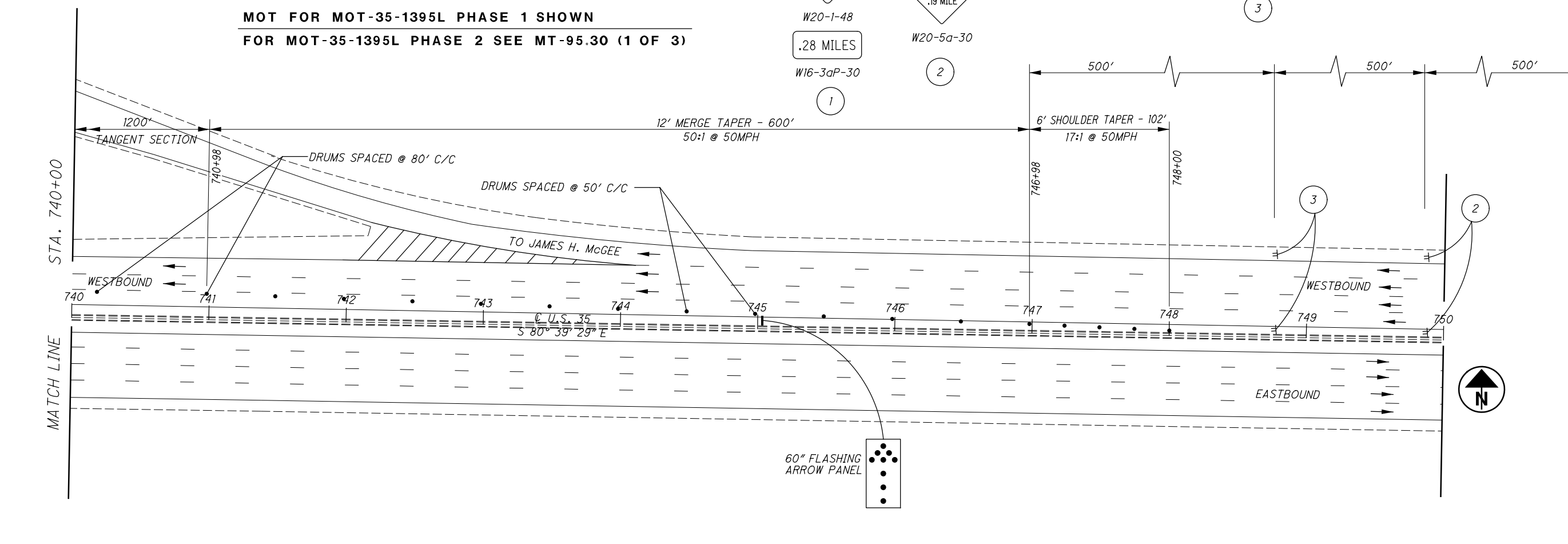
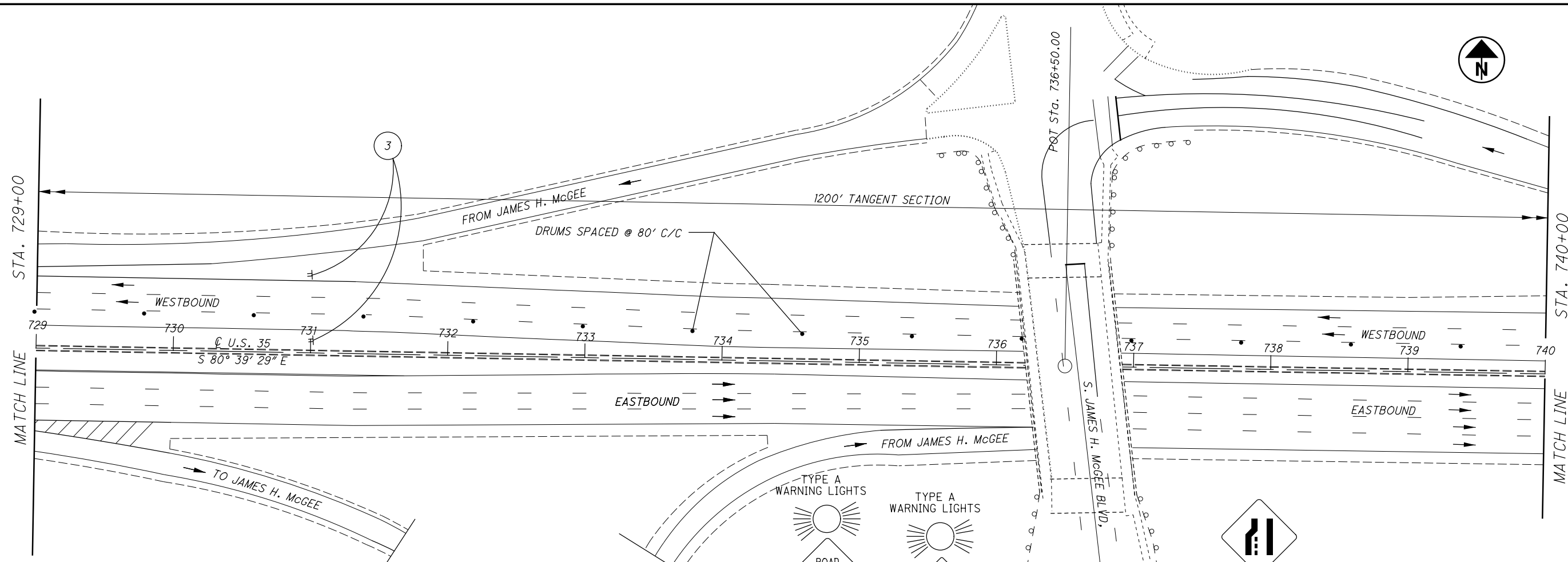
= WORK ZONE AREA FOR PHASE 1



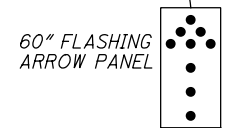
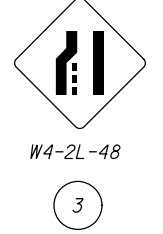
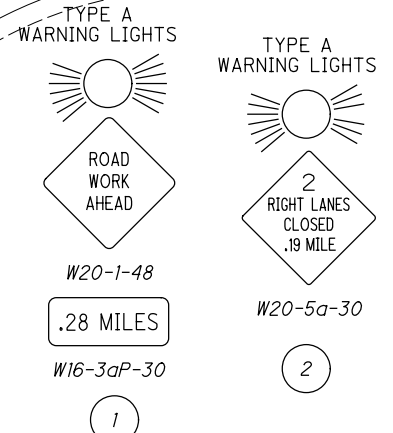
**MAINTENANCE OF TRAFFIC - PHASE 1 (1 OF 2)
MOT-35-1395L OVER FRONTAGE AND HOME AVE.**

D07 - BH - FY20(B)

I:\ProjectData\07\05417_BH_FY20_B\Design\Roadway\Sheets\05417_MP00.dgn Sheet 12/19/2019 1:09:29 PM rburns2

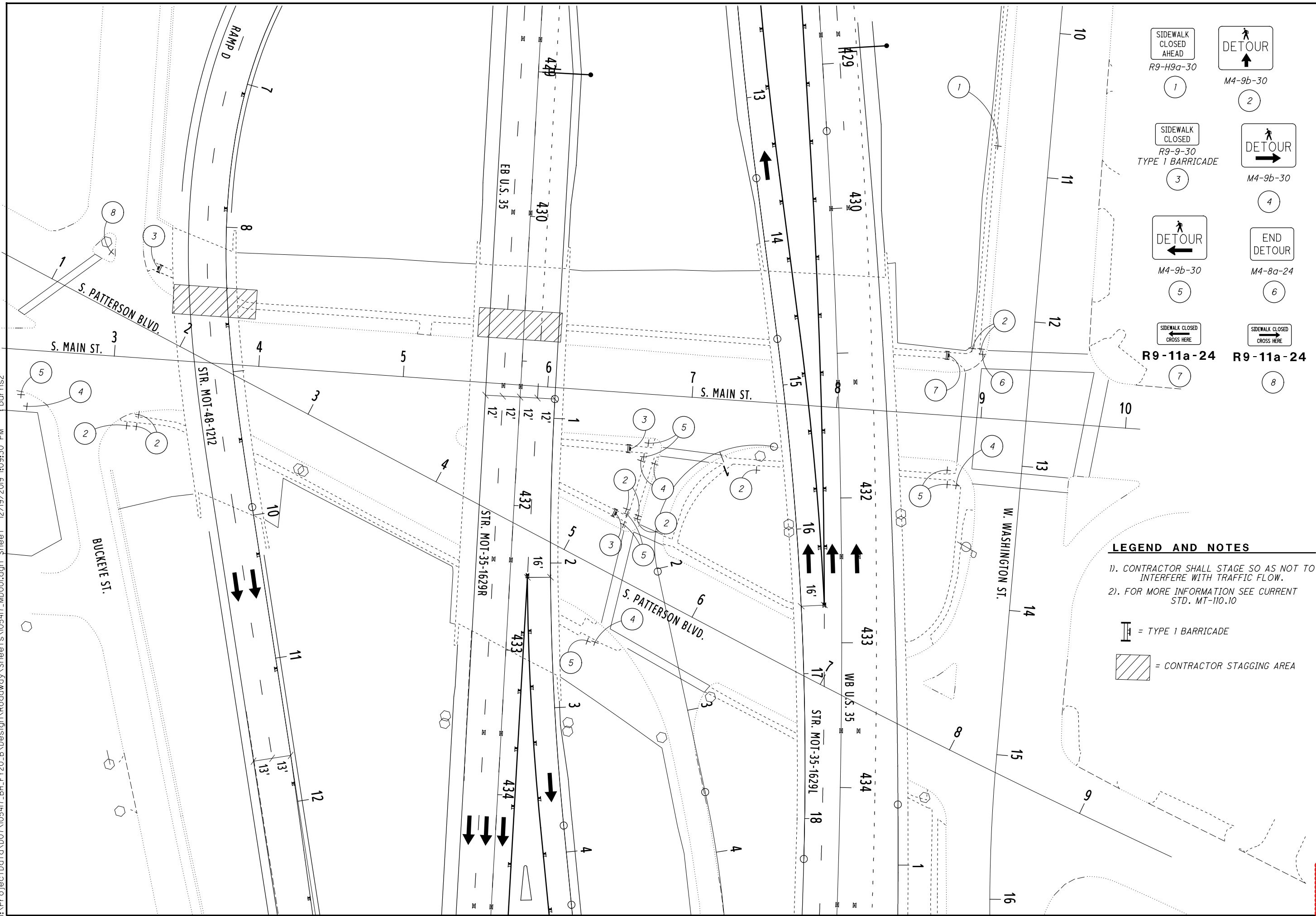


**MOT FOR MOT-35-1395L PHASE 1 SHOWN
FOR MOT-35-1395L PHASE 2 SEE MT-95.30 (1 OF 3)**





	CALCULATED	MAINTENANCE OF TRAFFIC - PHASE 1 (2 OF 2) MOT-35-1395L OVER FRONTAGE AND HOME AVE.
	REB CHECKED PNS	
D07 - BH - FY20(B)		







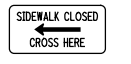

I:\ProjectData\07\05417_BH_FY20_B\Design\Roadway\Sheets\05417_MD001.dgn Sheet 12/19/2019 1:09:30 PM rburns2



LEGEND AND NOTES

- 1). CONTRACTOR SHALL STAGE SO AS NOT TO INTERFERE WITH TRAFFIC FLOW.
- 2). FOR MORE INFORMATION SEE CURRENT STD. MT-110.10

 = TYPE 1 BARRICADE
 = CONTRACTOR STAGING AREA

 R9-H9a-30 1	 M4-9b-30 2
 R9-9-30 TYPE 1 BARRICADE 3	 M4-9b-30 4
 M4-9b-30 5	 M4-8a-24 6
 R9-11a-24 7	 R9-11a-24 8

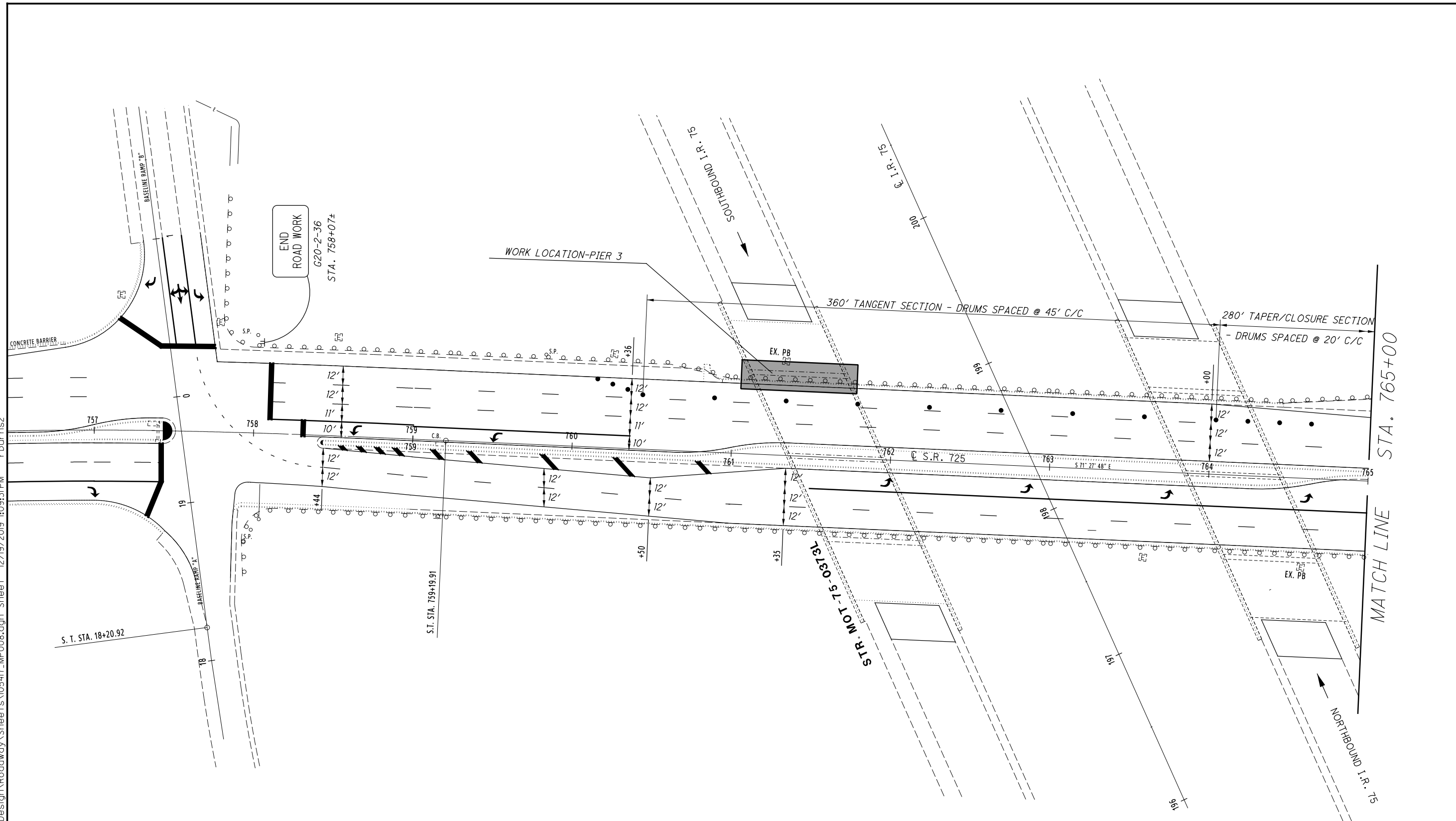


 0 30 60
 HORIZONTAL SCALE IN FEET
 CALCULATED REB CHECKED BAB


PEDESTRIAN DETOUR FOR MOT-35-1629R AND MOT-48-1214

D07-BH-FY20(B)

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LEGEND

 = WORK AREA

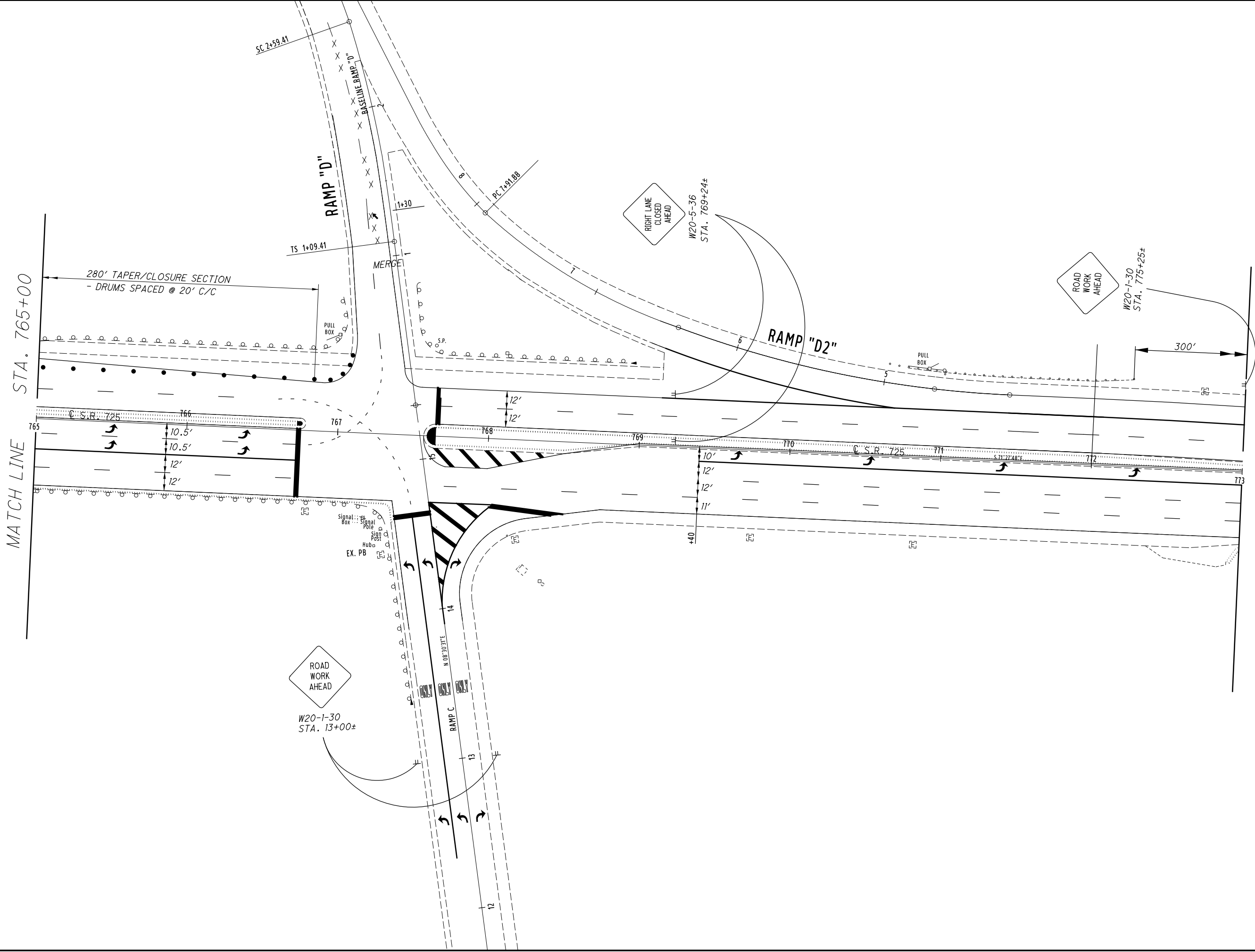
CALCULATED
REB
CHECKED
PNS

0 30 60
15
HORIZONTAL
SCALE IN FEET



MAINTENANCE OF TRAFFIC - PHASE 1
BRIDGE NO MOT 75-0373L OVER S.R. 725 (1 OF 2)

D07-BH-FY20(B)

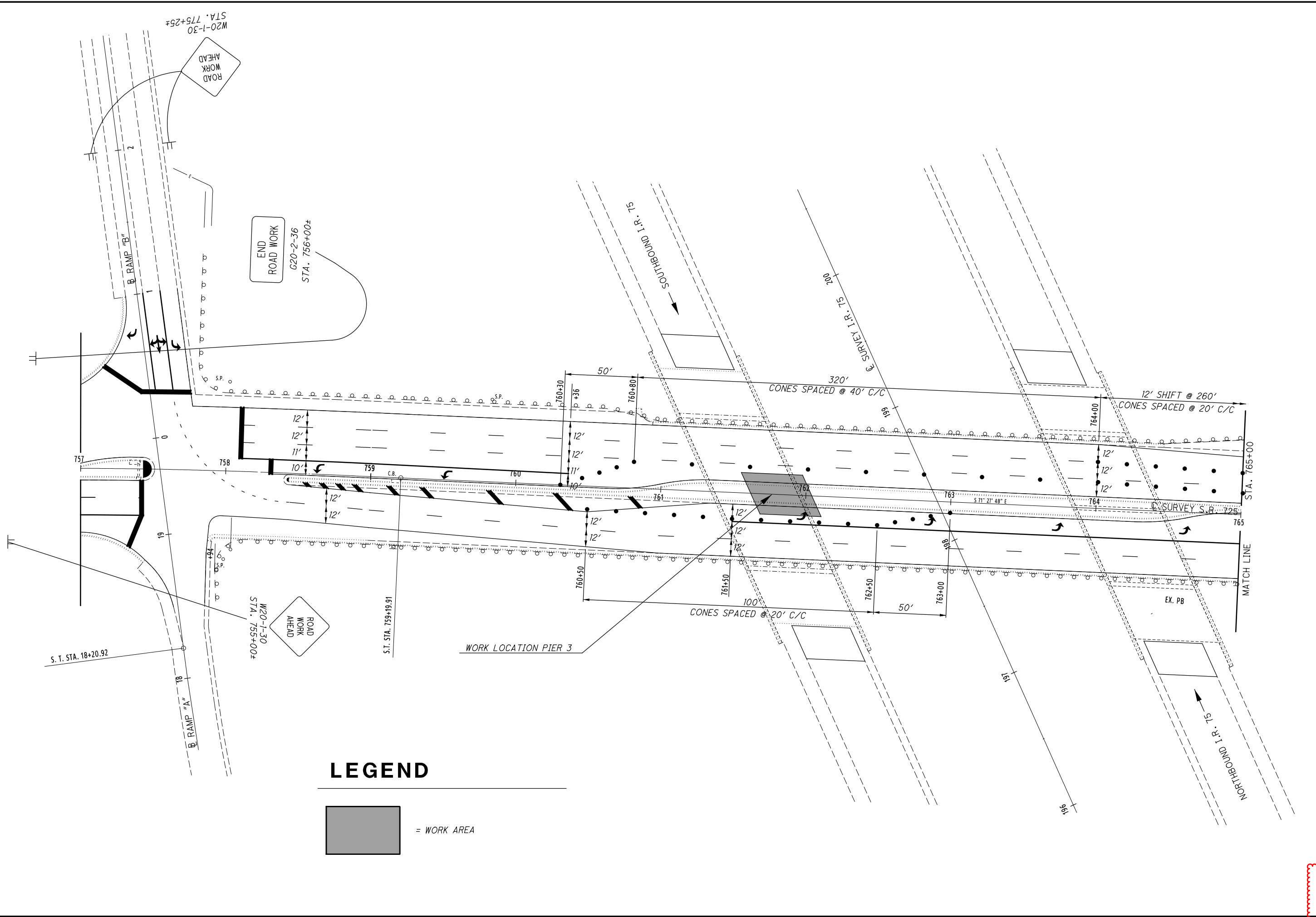


CALCULATED
REB
CHECKED
PNS

MAINTENANCE OF TRAFFIC - PHASE 1
BRIDGE NO.: MOT-75-0373L OVER S.R. 725 (2 OF 2)

D07 - BH - FY 20(B)





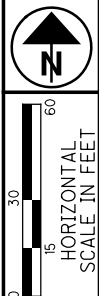
LEGEND

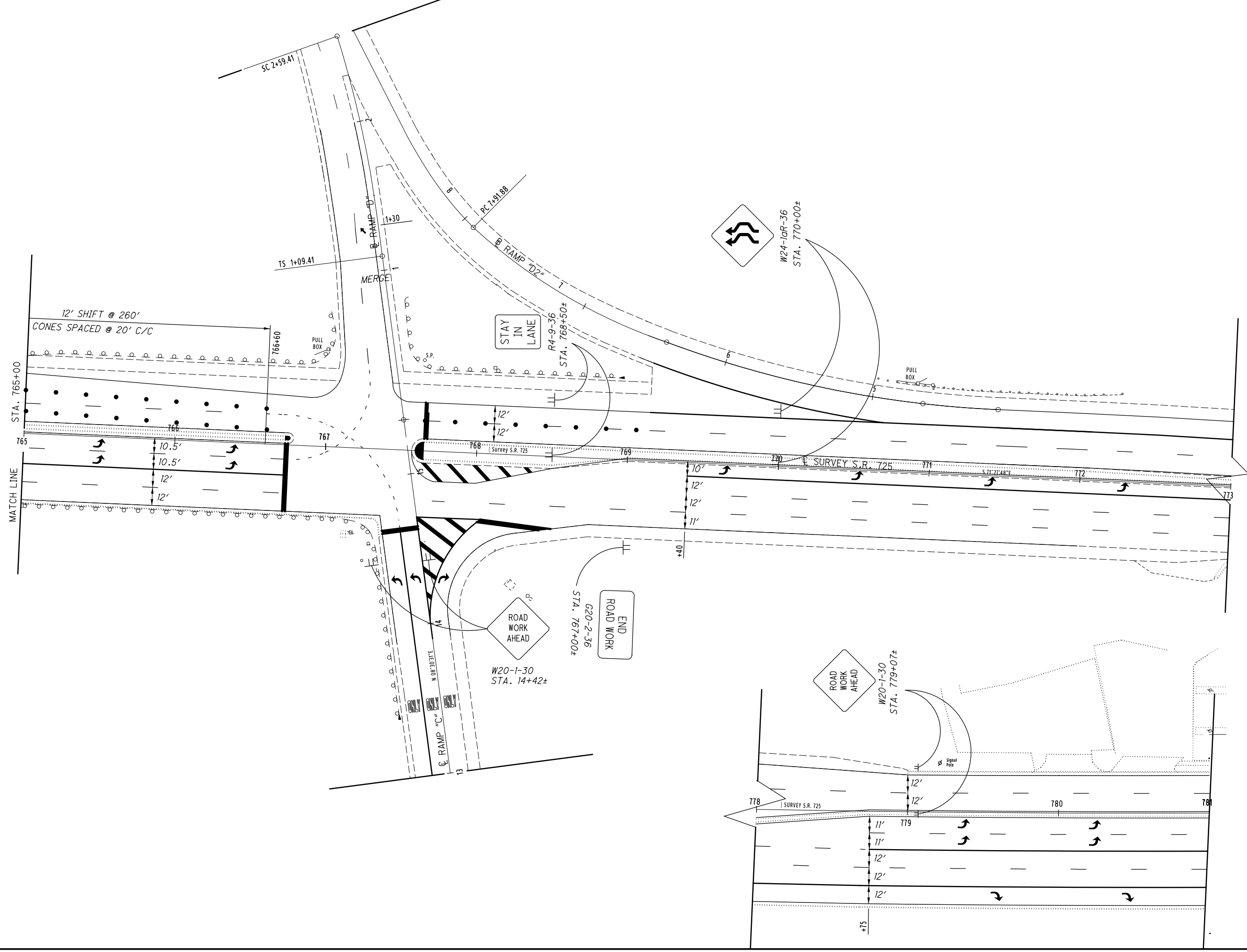
= WORK AREA

CALCULATED	REB	CHECKED	PNS

MAINTENANCE OF TRAFFIC - PHASE 2
BRIDGE NO. MOT-75-0373L OVER S.R. 725 (1 OF 2)

D07 - BH - FY20(B)





CALCULATED
REB
CHECKED
PNS

MAINTENANCE OF TRAFFIC - PHASE 2
BRIDGE NO. MOT-75-0373L OVER S.R. 725 (2 OF 2)

D07-BH-FY20(B)


27
67



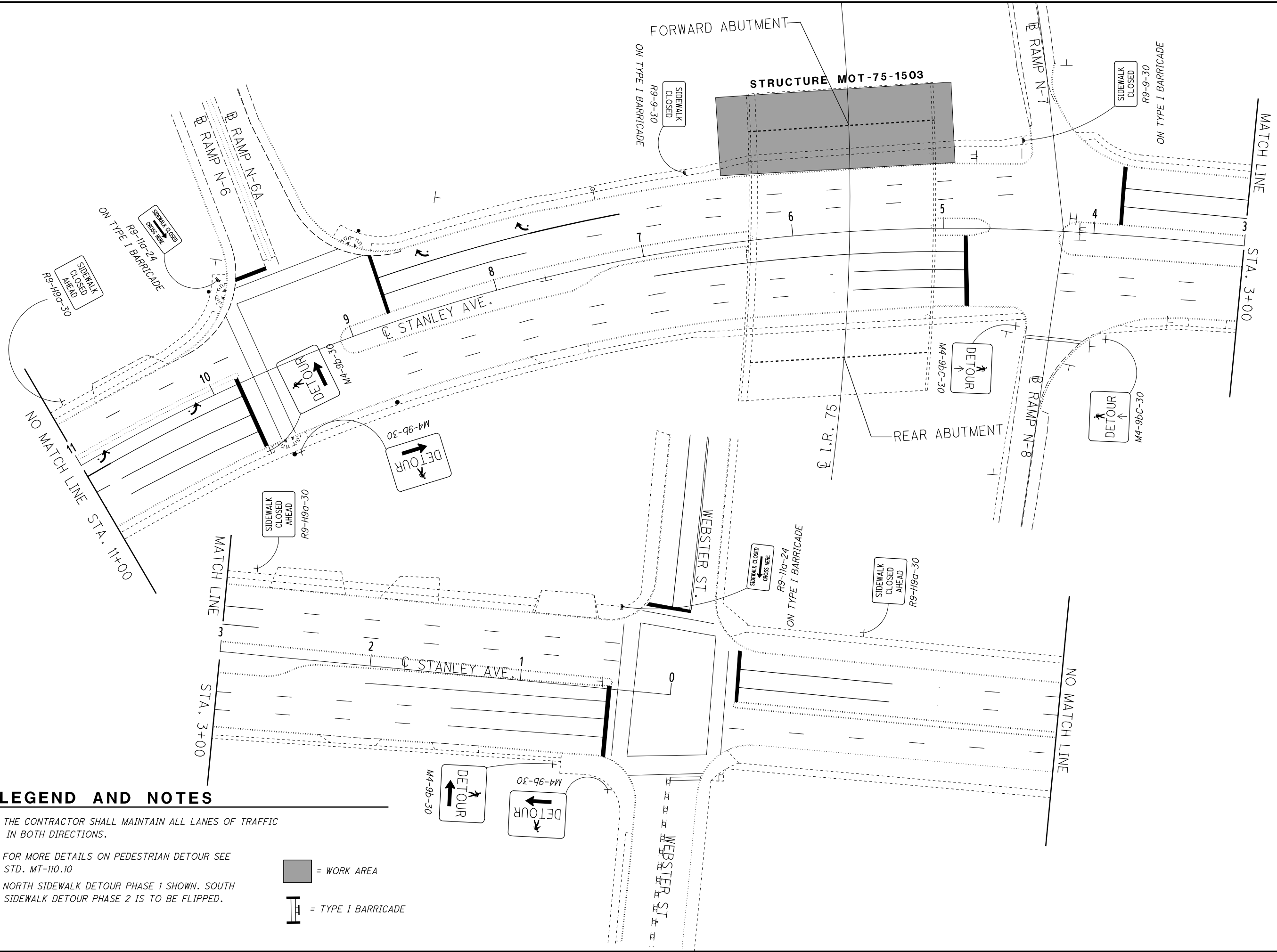
I:\Project\05417_BH_FY20_B\Design\Roadway\Sheets\05417_MD004.dgn Sheet 12/19/2019 10:35 PM rburns2

LEGEND AND NOTES

- 1). THE CONTRACTOR SHALL MAINTAIN ALL LANES OF TRAFFIC IN BOTH DIRECTIONS.
- 2). FOR MORE DETAILS ON PEDESTRIAN DETOUR SEE STD. MT-110.10
- 3). NORTH SIDEWALK DETOUR PHASE 1 SHOWN. SOUTH SIDEWALK DETOUR PHASE 2 IS TO BE FLIPPED.

 = WORK AREA

 = TYPE I BARRICADE

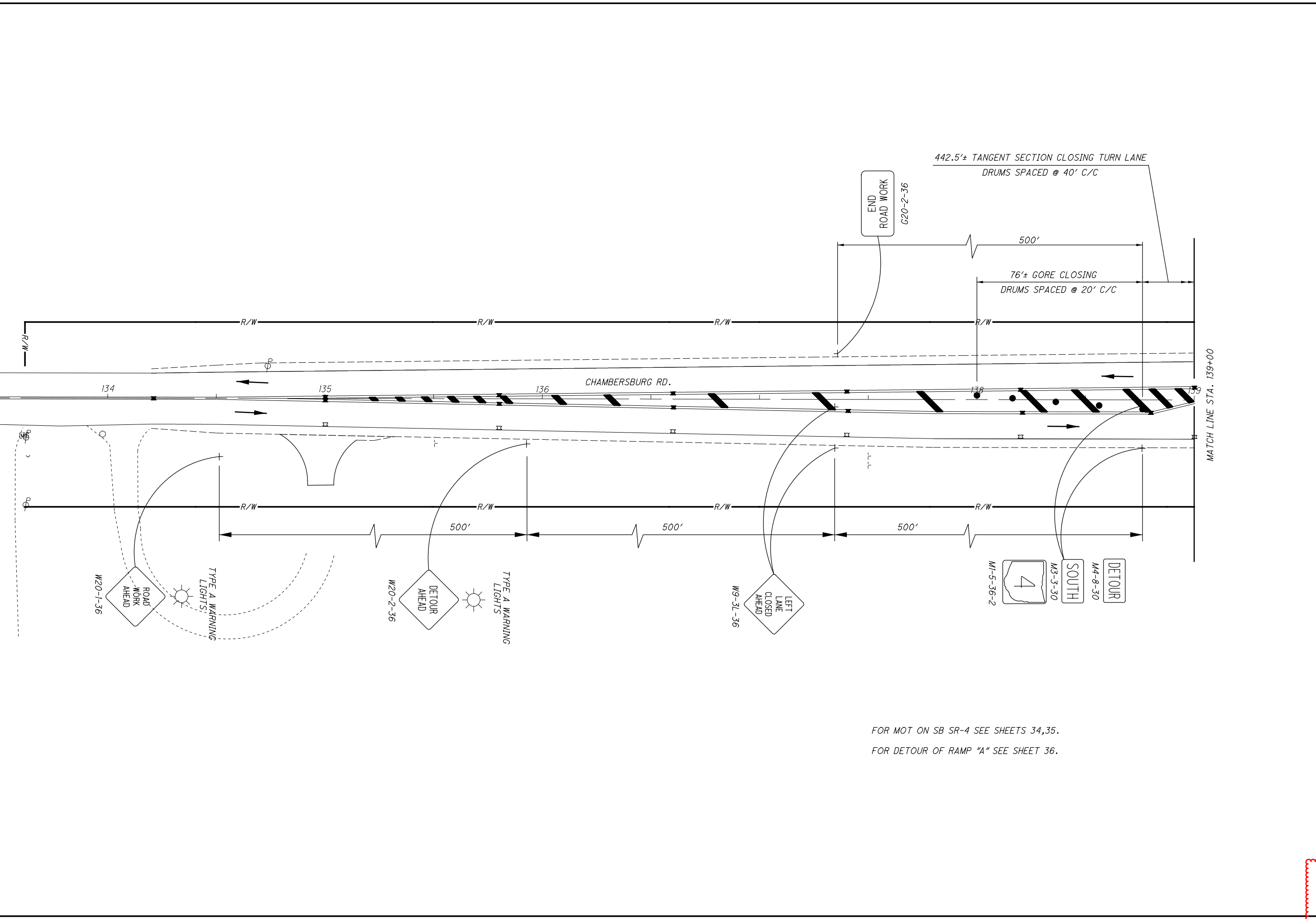


CALCULATED	REB	CHECKED	PNS

PEDESTRIAN DETOUR
BRIDGE NO. MOT-75-1503 IR 75 OVER STANLEY AVE.

D07 -BH -FY20(B)

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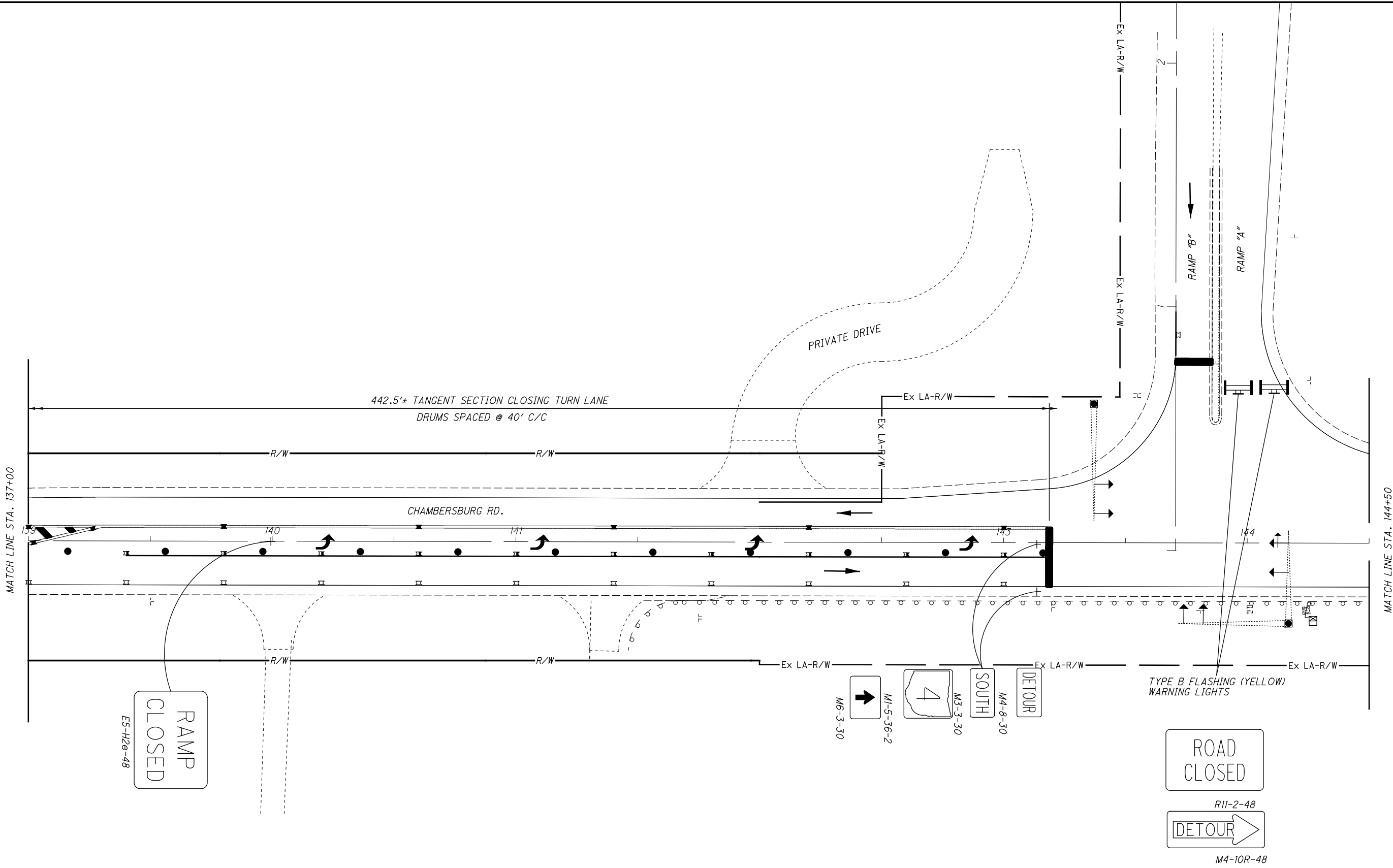
FOR MOT ON SB SR-4 SEE SHEETS 34,35.
 FOR DETOUR OF RAMP "A" SEE SHEET 36.

CALCULATED
 REB
 CHECKED
 XXX

0 20 40
 HORIZONTAL
 SCALE IN FEET

MAINTENANCE OF TRAFFIC - (1 OF 8)
CHAMBERSBURG RD / SR-235 AND SR-4 INTERCHANGE

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FOR MOT ON SB SR-4 SEE SHEETS 34,35.
FOR DETOUR OF RAMP "A" SEE SHEET 36.

CALCULATED
REB
CHECKED
XXX

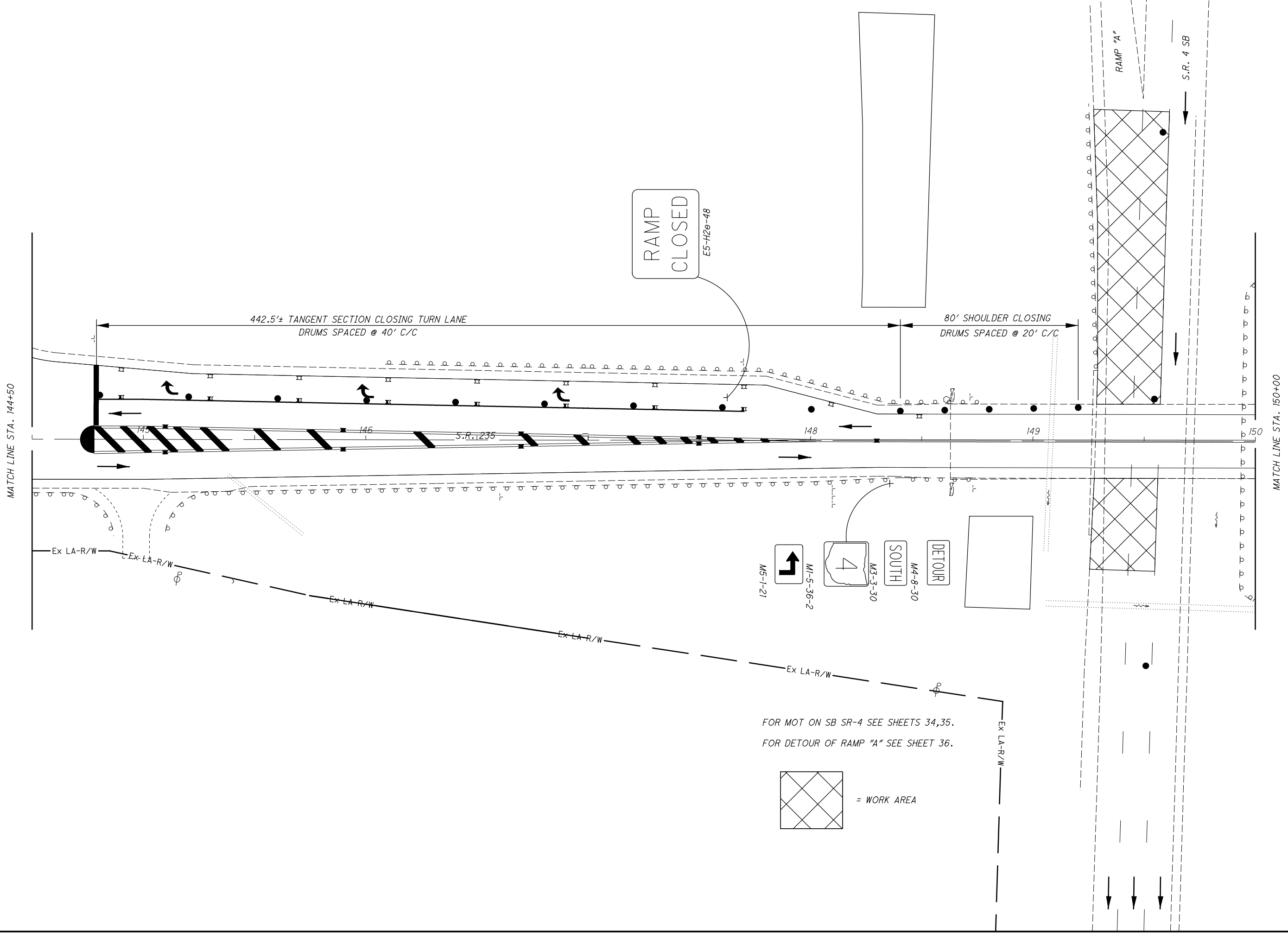
0 20 40
HORIZONTAL
SCALE IN FEET

↑
N

MAINTENANCE OF TRAFFIC - (2 OF 8)
CHAMBERSBURG RD / SR-235 AND SR-4 INTERCHANGE

D07 - BH - FY20(B)

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CALCULATED
REB
CHECKED
XXX

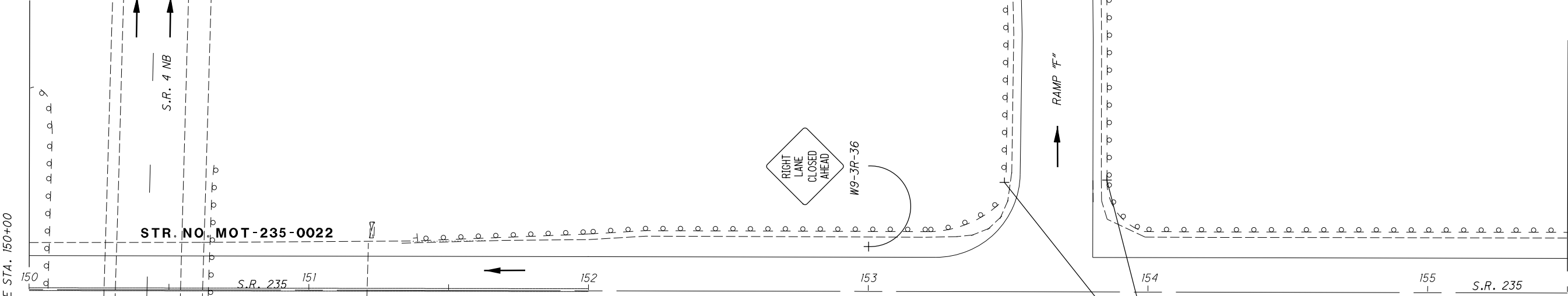
0 20 40
HORIZONTAL
SCALE IN FEET

↑
N

MAINTENANCE OF TRAFFIC - (3 OF 8)
CHAMBERSBURG RD/ SR-235 AND SR-4 INTERCHANGE

D07 - BH - FY20(B)

MATCH LINE STA. 150+00

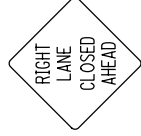


STR. NO. MOT-235-0022

- M6-1-21
- M1-5-36-2
- M3-3-30
- SOUTH
- M4-8-30
- DETOUR

FOR MOT ON SB SR-4 SEE SHEETS 34,35.
 FOR DETOUR OF RAMP "A" SEE SHEET 36.

- DETOUR
- M4-8-30
- SOUTH
- M3-3-30
- 4
- M1-5-36-2
- M6-3-30



RAMP "F"

RAMP "E"

RAMP "D"

RAMP "C"

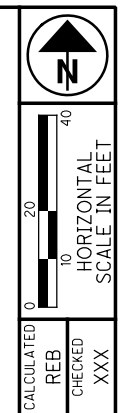
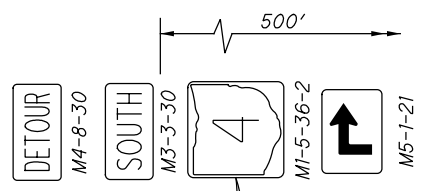
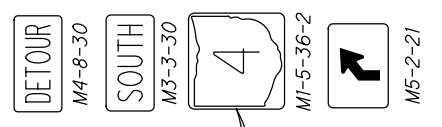
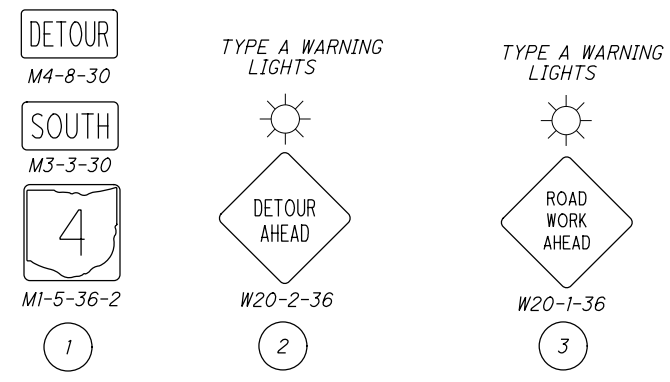
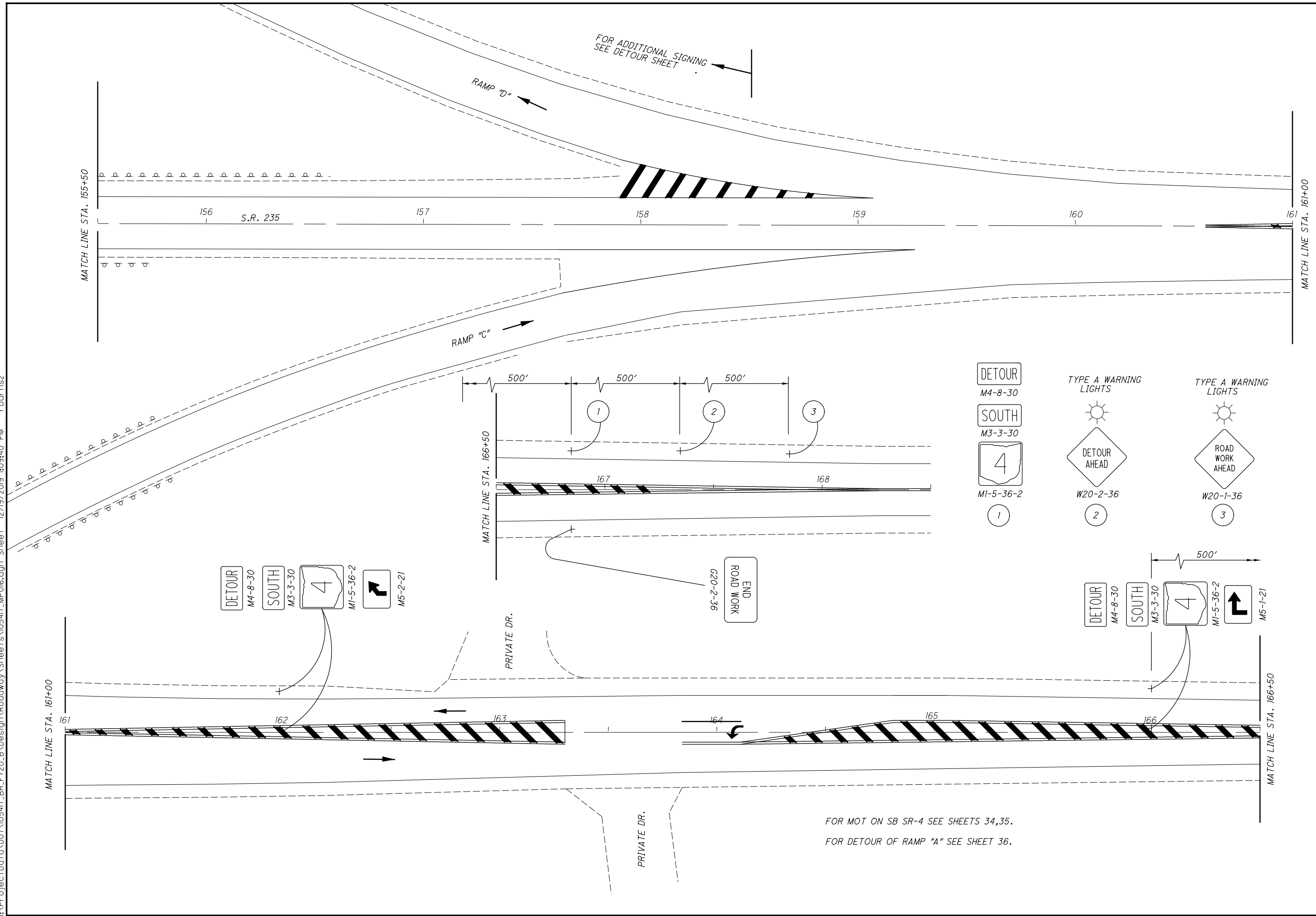
CALCULATED	REB	CHECKED	XXX
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0 20 40
HORIZONTAL SCALE IN FEET

MAINTENANCE OF TRAFFIC - (4 OF 8)
CHAMBERSBURG RD / SR-235 AND SR-4 INTERCHANGE

D07-BH-FY20(B)

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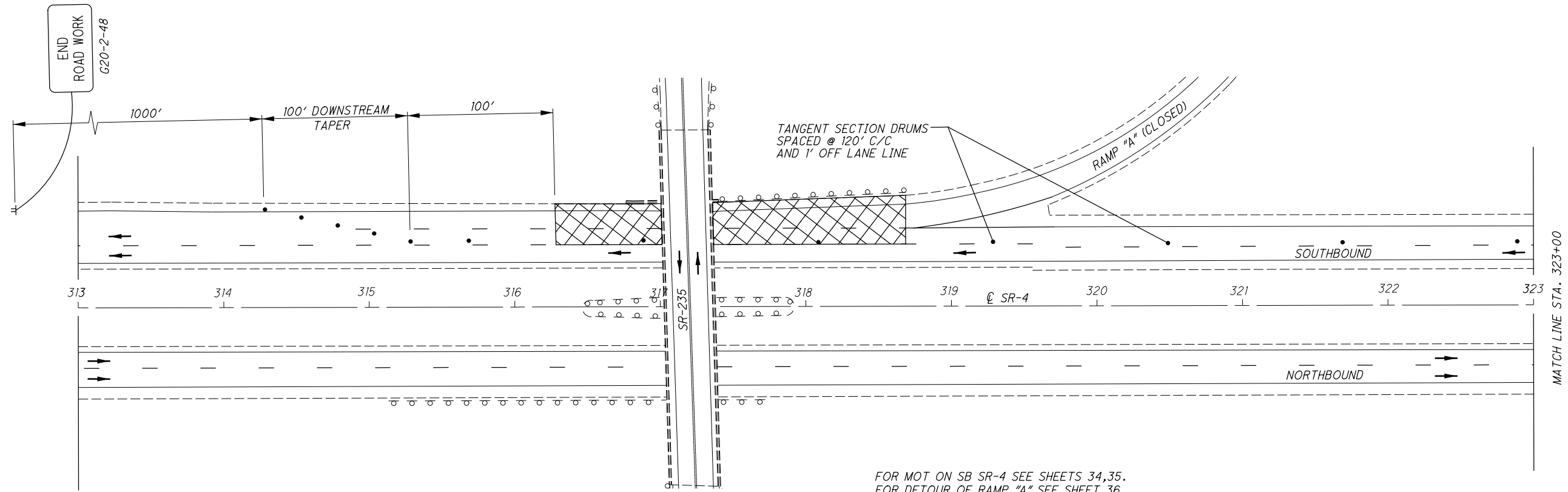


MAINTENANCE OF TRAFFIC - (5 OF 8)
CHAMBERSBURG RD / SR-235 AND SR-4 INTERCHANGE

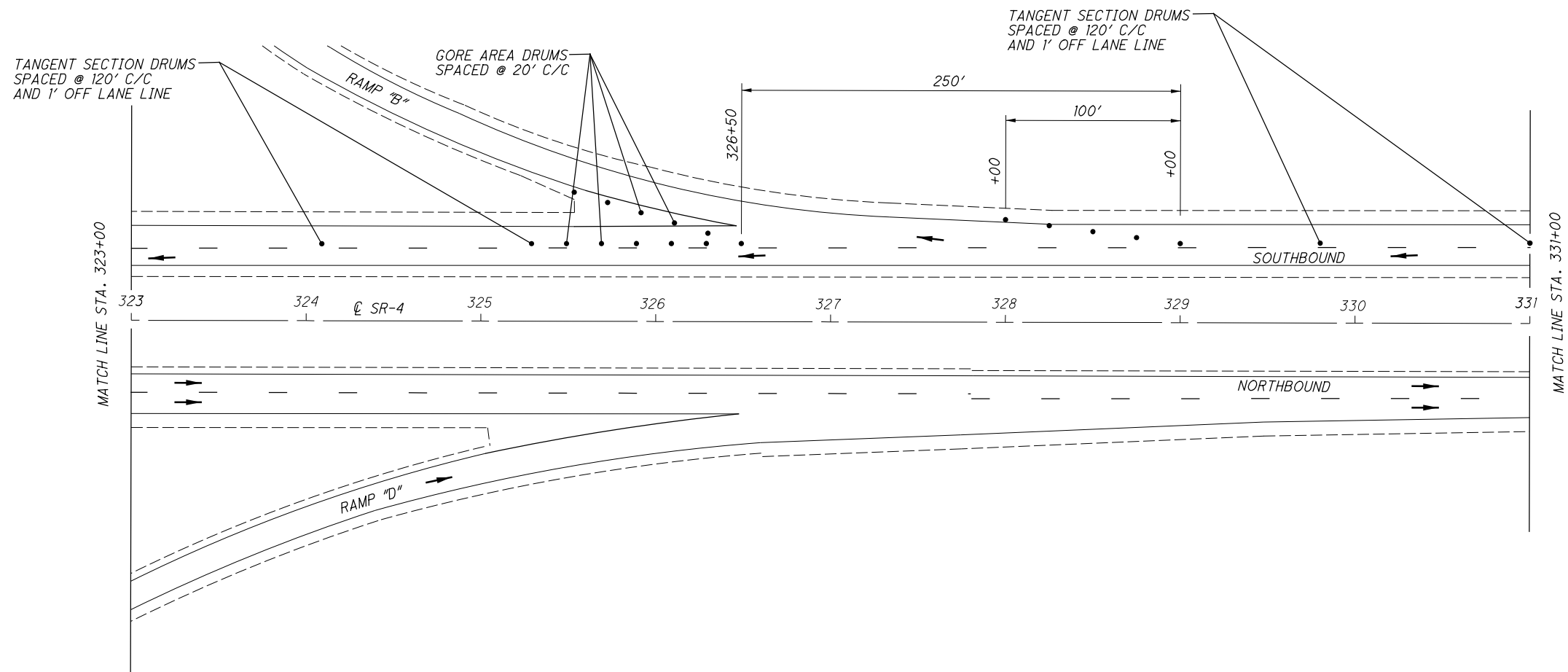
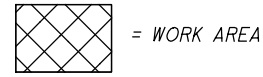
D07 - BH - FY20(B)

33
67

I:\Project\05417\05417_BH_FY20_B\Design\Roadway\Sheets\05417_MP017.dgn Sheet 12/19/2019 1:09:42 PM rburns2



FOR MOT ON SB SR-4 SEE SHEETS 34,35.
FOR DETOUR OF RAMP "A" SEE SHEET 36.

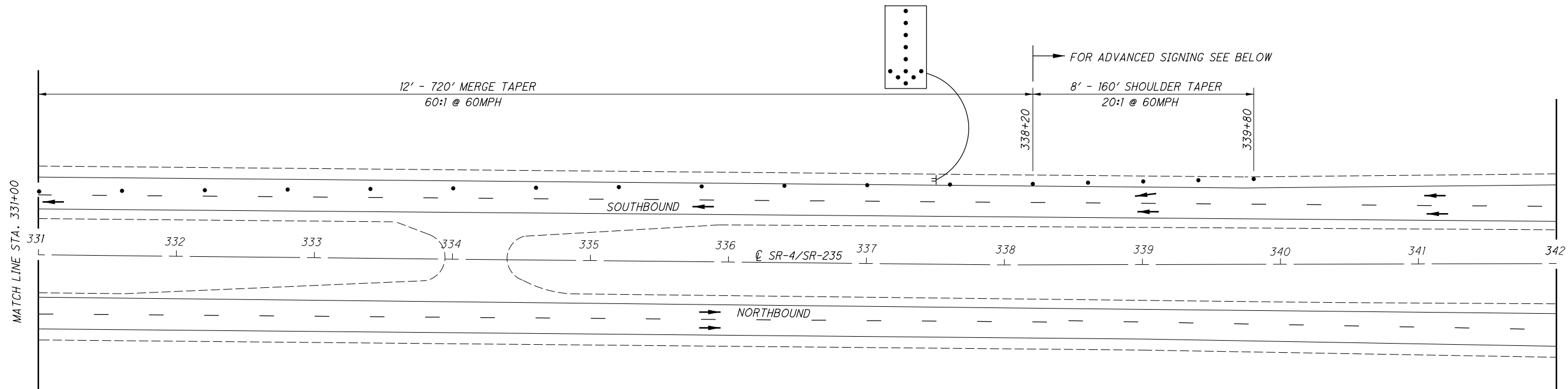


MAINTENANCE OF TRAFFIC - (6 OF 8)
CHAMBERSBURD RD / SR-235 AND SR-4 INTERCHANGE

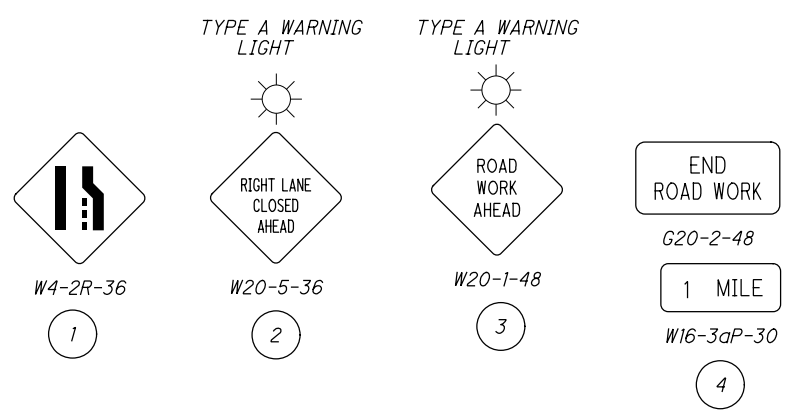
D07 - BH - FY20(B)

34
67

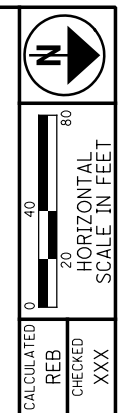
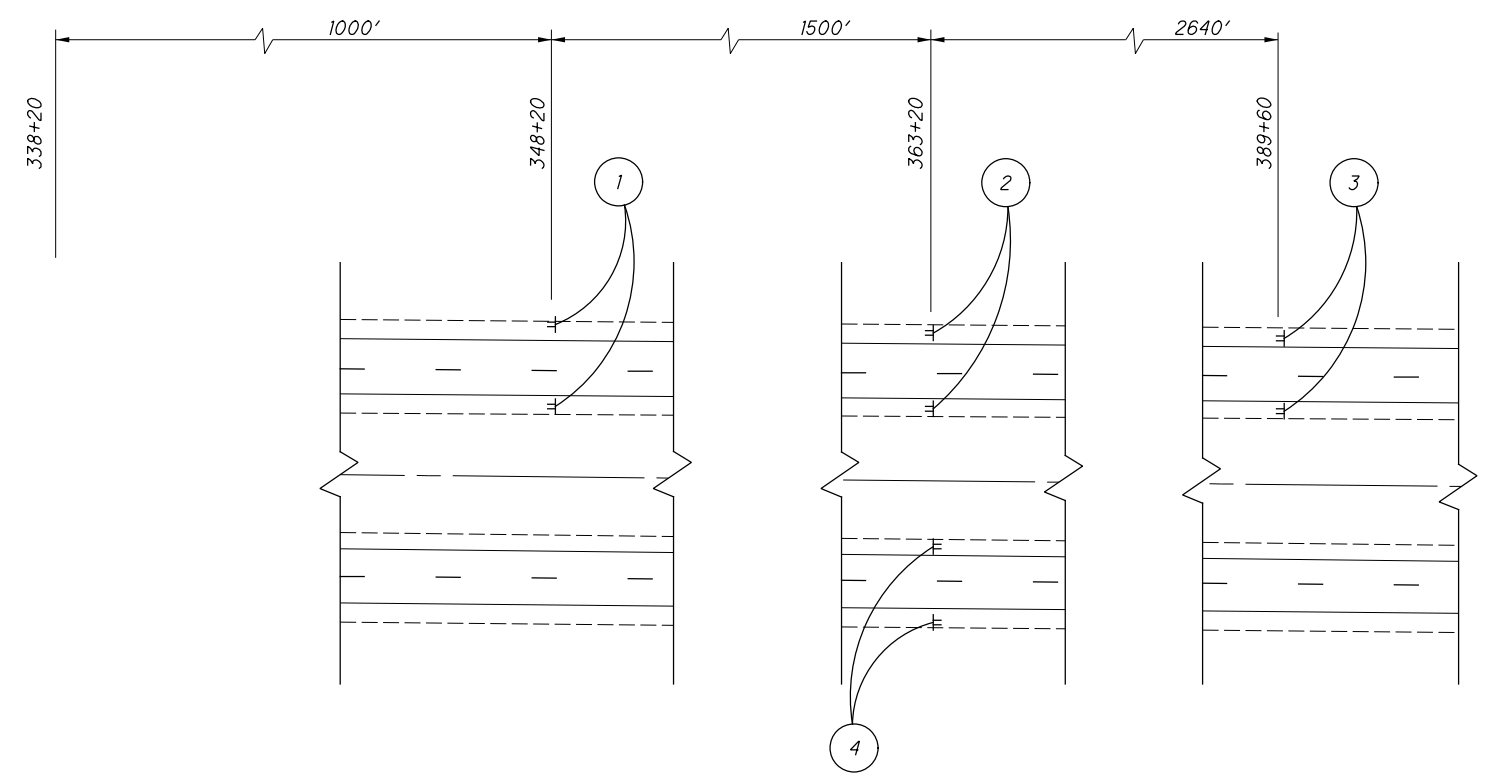
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ADVANCED SIGNING



FOR MOT ON SB SR-4 SEE SHEETS 34,35.



CALCULATED
 REB
 CHECKED
 XXX

MAINTENANCE OF TRAFFIC - (7 OF 8)
SB SR-4 AT SR-235 / CHAMBERSBURG RD INTERCHANGE

D07 - BH - FY20(B)

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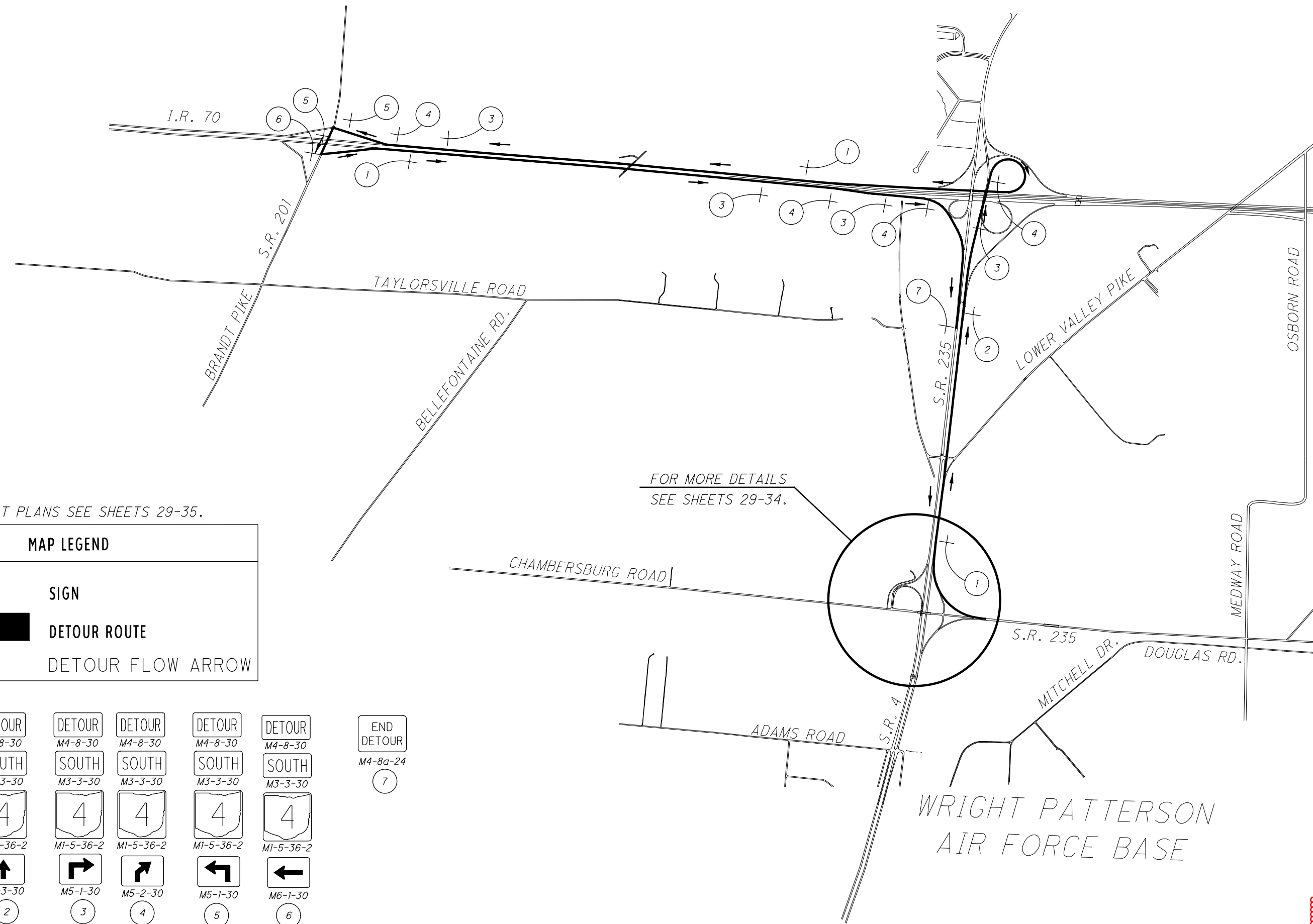
CALCULATED
REB
CHECKED
XXX

0 100000
50000
HORIZONTAL
SCALE IN FEET

DETOUR SHEET - (8 OF 8)
CHAMBERSBURG RD / SR-235 AND SR-4 INTERCHANGE

D07 - BH - FY20(B)

36
67



FOR MOT PLANS SEE SHEETS 29-35.

MAP LEGEND

⊥ SIGN

█ DETOUR ROUTE

→ DETOUR FLOW ARROW

DETOUR M4-8-30	DETOUR M4-8-30	DETOUR M4-8-30	DETOUR M4-8-30	DETOUR M4-8-30	DETOUR M4-8-30	END DETOUR M4-8a-24
SOUTH M3-3-30	SOUTH M3-3-30	SOUTH M3-3-30	SOUTH M3-3-30	SOUTH M3-3-30	SOUTH M3-3-30	7
4 M1-5-36-2	4 M1-5-36-2	4 M1-5-36-2	4 M1-5-36-2	4 M1-5-36-2	4 M1-5-36-2	
1	↑ M6-3-30	↘ M5-1-30	↗ M5-2-30	↙ M5-1-30	← M6-1-30	
2	3	4	5	6		

WRIGHT PATTERSON
AIR FORCE BASE

I:\Project+Data\07\105417_BH_FY20_B\Design\Roadway\Sheets\05417_GG001.dgn Sheet 12/19/2019 1:09:46 PM rburns2

SHEET NUM.						PART.					ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
6	7	39			Calc's	01/IMS/BR	02/NHS/BR	03/SK2/BR	04/S>2/BR	05/NHS/BR						
											201	11000	LS		ROADWAY CLEARING AND GRUBBING	
		50				LS					202	75201	50	FT	FENCE REMOVED FOR REUSE, AS PER PLAN	39
		50				LS					607	23004	50	FT	FENCE REBUILT, TYPE CLT	4
											601	20000	47	SY	EROSION CONTROL CRUSHED AGGREGATE SLOPE PROTECTION	
											832	30000	1,330	EACH	EROSION CONTROL	
											613	41201	4	CY	DRAINAGE LOW STRENGTH MORTAR BACKFILL, AS PER PLAN	39
											516	46701	8	EACH	STRUCTURE REPAIR (AUG-033-1507L) RESET BEARING, AS PER PLAN	5
											516	47001	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	5
											516	46701	12	EACH	STRUCTURE REPAIR (AUG-066-1273) RESET BEARING, AS PER PLAN	5
											516	47001	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	5
											513	10201	13	LB	STRUCTURE REPAIR (CLA-004-0611R) STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN	5
											513	95020	LS		STRUCTURAL STEEL, MISC.:REPAIR CRACKED WELDS	5
											516	46701	2	EACH	RESET BEARING, AS PER PLAN	5
											516	47001	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	5
											516	46701	10	EACH	STRUCTURE REPAIR (CLA-054-0561) RESET BEARING, AS PER PLAN	5
											516	47001	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	5
											516	45305	13	EACH	STRUCTURE REPAIR (CLA-070-0173) REFURBISH BEARING DEVICE, AS PER PLAN	5
											516	47001	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	5
											513	10201	7	LB	STRUCTURE REPAIR (CLA-070-1446) STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN	5
											516	46701	3	EACH	STRUCTURE REPAIR (CLA-070-2631) RESET BEARING, AS PER PLAN	5
											516	47001	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	5
											516	46701	12	EACH	STRUCTURE REPAIR (CLA-072-0863) RESET BEARING, AS PER PLAN	5
											516	47001	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	5
											516	46701	9	EACH	STRUCTURE REPAIR (CLA-334-0086) RESET BEARING, AS PER PLAN	5
											516	47001	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	5
											516	46701	6	EACH	STRUCTURE REPAIR (CLA-334-0099) RESET BEARING, AS PER PLAN	5
											516	47001	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	5
											516	46701	10	EACH	STRUCTURE REPAIR (MER-029-1429L) RESET BEARING, AS PER PLAN	5
											516	47001	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	5
											516	46701	10	EACH	STRUCTURE REPAIR (MER-029-1429R) RESET BEARING, AS PER PLAN	5
											516	47001	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	5
											513	10201	3,860	LB	STRUCTURE REPAIR (MIA-055-1183) STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN	5
											202	11203	LS		STRUCTURE REPAIR (MOT-004-2050L) PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN	5
											516	01300	125	FT	ELASTOMERIC STRIP SEAL WITHOUT STEEL EXTRUSIONS	
											519	12300	17	SY	PATCHING CONCRETE BRIDGE DECK - TYPE B	

GENERAL SUMMARY (1 OF 2)

D07 - BH - FY20(B)

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67

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SHEET NUM.						PART.					ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.	
6	7	39			Calc's	01/IMS/BR	02/NHS/BR	03/SK2/BR	04/S>2/BR	05/NHS/BR							
				LS			LS				202	11203	LS				
				116			116				516	01300	116	FT	STRUCTURE REPAIR (MOT-035-1395L) PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN ELASTOMERIC STRIP SEAL WITHOUT STEEL EXTRUSIONS	5	
				LS			LS				202	11203	LS				
				135			135				516	01300	135	FT	STRUCTURE REPAIR (MOT-035-1395R) PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN ELASTOMERIC STRIP SEAL WITHOUT STEEL EXTRUSIONS	5	
				9			9				519	12300	9	SY	PATCHING CONCRETE BRIDGE DECK - TYPE B		
				2			2				516	46701	2	EACH	STRUCTURE REPAIR (MOT-035-1629R) RESET BEARING, AS PER PLAN	5	
				LS			LS				516	47001	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	5	
				1			1				516	46701	1	EACH	STRUCTURE REPAIR (MOT-048-1214) RESET BEARING, AS PER PLAN	5	
				LS			LS				516	47001	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	5	
				1			1				516	46701	1	EACH	STRUCTURE REPAIR (MOT-049-1091L) RESET BEARING, AS PER PLAN	5	
				LS			LS				516	47001	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	5	
				LS			LS				513	95020	LS		STRUCTURE REPAIR (MOT-075-0373L) STRUCTURAL STEEL, MISC.:REPAIR CRACKED WELDS	5	
				8			8				516	46701	8	EACH	STRUCTURE REPAIR (MOT-075-1466) RESET BEARING, AS PER PLAN	5	
				LS			LS				516	47001	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	5	
				40			40				516	46201	40	EACH	STRUCTURE REPAIR (MOT-075-1503) BEARING DEVICE, ROCKER, AS PER PLAN	5	
				12			12				516	46701	12	EACH	RESET BEARING, AS PER PLAN	5	
				LS			LS				516	47001	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	5	
				LS			LS				202	11203	LS		STRUCTURE REPAIR (MOT-235-0022L) PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN	5	
				298			298				513	10201	298	LB	STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN	5	
				LS			LS				202	11203	LS		STRUCTURE REPAIR (MOT-675-0063R) PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN	5	
				104			104				513	10201	104	LB	STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN	5	
				6			6				516	46701	6	EACH	RESET BEARING, AS PER PLAN	5	
				LS			LS				516	47001	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	5	
				18			18				516	46701	18	EACH	STRUCTURE REPAIR (MOT-675-0129) RESET BEARING, AS PER PLAN	5	
				LS			LS				516	47001	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	5	
				2			2				516	46701	2	EACH	STRUCTURE REPAIR (MOT-675-0233) RESET BEARING, AS PER PLAN	5	
				LS			LS				516	47001	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	5	
				12			12				516	46701	12	EACH	STRUCTURE REPAIR (MOT-675-0647) RESET BEARING, AS PER PLAN	5	
				LS			LS				516	47001	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	5	
			100								614	1111	100	hour	MAINTENANCE OF TRAFFIC LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE, AS PER PLAN	7	
							LS				614	12420	LS		DETOUR SIGNING		
			5								614	12500	5	EACH	REPLACEMENT SIGN		
			10								614	12600	10	EACH	REPLACEMENT DRUM		
				6							614	18601	6	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	7	
											614	11000	LS		INCIDENTALS MAINTAINING TRAFFIC		
											623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING		
											624	10000	LS		MOBILIZATION		

GENERAL SUMMARY (2 OF 2)

D07 - BH - FY20(B)

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REF NO.	SHEET NO.	STRUCTURE NAME	STRUCTURE FILE #	201	202	202		513	513	516	516	516	516	516	519	601	607	613	
				CLEARING AND GRUBBING	PORTIONS OF STRUCTURE REMOVED OVER 20 FOOT SPAN, AS PER PLAN	FENCE REMOVED FOR REUSE, AS PER PLAN		STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN	STRUCTURAL STEEL, MISC.: REPAIR CRACKED WELDS	ELASTOMERIC STRIP SEAL WITHOUT STEEL EXTRUSIONS	BEARING DEVICE, ROCKER, AS PER PLAN	RESET BEARING, AS PER PLAN	REFURBISH BEARING DEVICE, AS PER PLAN	JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	PATCHING CONCRETE BRIDGE DECK - TYPE B	CRUSHED AGGREGATE SLOPE PROTECTION	FENCE REBUILT, TYPE CLT	LOW STRENGTH MORTAR BACKFILL, AS PER PLAN	
				LS	LS	FT		LB	LS	FT	EACH	EACH	EACH	LS	SY	SY	FT	CY	
40		AUG-033-1507L	0600385									8		LS					
41		AUG-066-1273	0601144									12		LS					
42		CLA-004-0611R	1200011	LS				13	LS			1		LS					
43		CLA-054-0561	1202197									10		LS					
44		CLA-070-0173	1203630	LS		50							13	LS			50		
45		CLA-070-1466	1204440					7											
46		CLA-070-2631	1205250									3		LS					
47		CLA-072-0863	1205463									12		LS					
48		CLA-334-0086	1205641	LS								9		LS					
49		CLA-334-0099	1205617									6		LS					
50		MER-029-1429L	5400341									10		LS					
50		MER-029-1429R	5400325									10		LS					
51-52		MIA-055-1183	5501504					3860											
53		MOT-004-2050L	5700906		LS					125					17				
54		MOT-035-1395L	5701600		LS					116									
54		MOT-035-1395R	5701619		LS					135					9				
55		MOT-035-1629R	5702224									2		LS					
56		MOT-048-1214	5703646									1		LS					
57		MOT-049-1091L	5704502									1		LS					
58		MOT-075-0373L	5706483						LS										
59		MOT-075-1446	5708613	LS								8		LS					
60-61		MOT-075-1503	5708648								40	12		LS					
62-63		MOT-235-0022L	5709660		LS			298											
64		MOT-675-0063R	5710804	LS	LS			104				6		LS					
65		MOT-675-0129	5710979									18		LS					
66		MOT-675-0233	5711126									2		LS		47		4	
67		MOT-675-0647	5711436									12		LS					
QUANTITIES CARRIED TO GENERAL SUMMARY ARE PER STRUCTURE.																			
TOTALS CARRIED TO GENERAL SUMMARY				LS	LS	50		4282	LS	376	40	143	13	LS	26	47	50	4	

BRIDGE ESTIMATED QUANTITIES

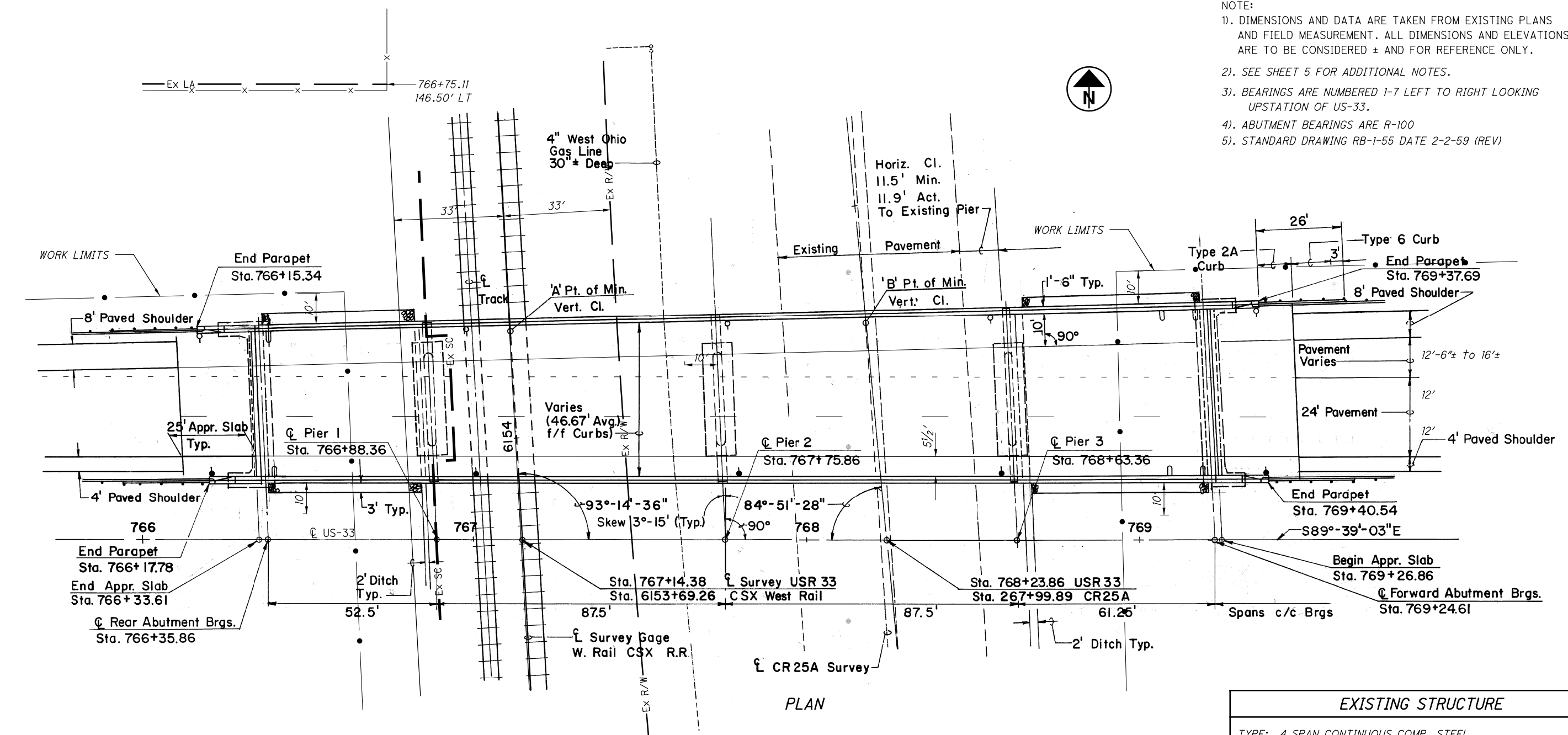
D07 - BH - FY 20(B)

CALCULATED
REB
CHECKED
DHG

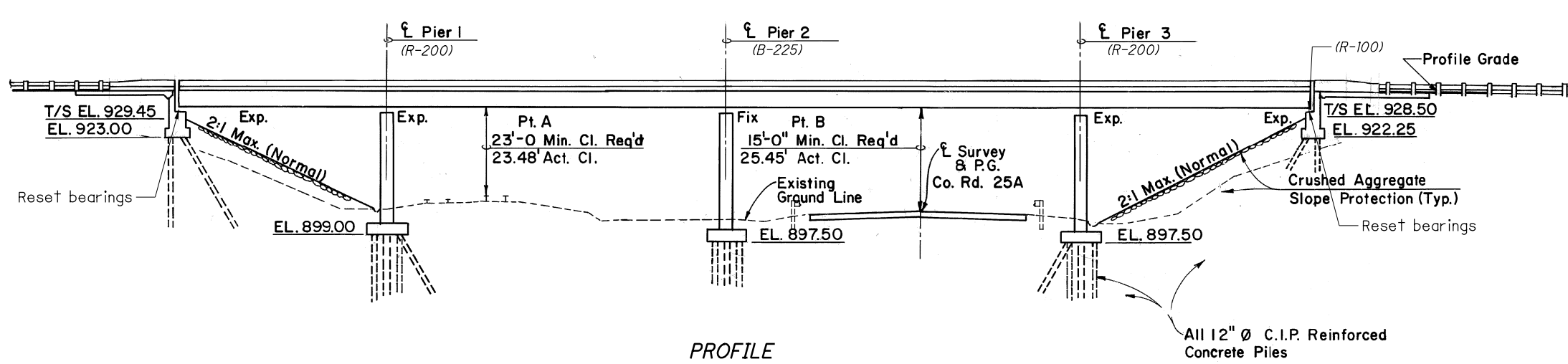
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67

I:\ProjectData\07105417_BH_FY20_B\Design\Structures\AUG033\1507L_Site_Plan.dgn Sheet 12/19/2019 10:09:49 PM rburns2

- NOTE:
- 1). DIMENSIONS AND DATA ARE TAKEN FROM EXISTING PLANS AND FIELD MEASUREMENT. ALL DIMENSIONS AND ELEVATIONS ARE TO BE CONSIDERED ± AND FOR REFERENCE ONLY.
 - 2). SEE SHEET 5 FOR ADDITIONAL NOTES.
 - 3). BEARINGS ARE NUMBERED 1-7 LEFT TO RIGHT LOOKING UPSTATION OF US-33.
 - 4). ABUTMENT BEARINGS ARE R-100
 - 5). STANDARD DRAWING RB-1-55 DATE 2-2-59 (REV)



PLAN



PROFILE

EXISTING STRUCTURE

TYPE: 4 SPAN CONTINUOUS COMP. STEEL BEAM WITH REINF. CONC. DECK AND SUBSTR. UNITS.

SPANS: 52.5' - 87.5' - 87.5' - 61.25' C/C BRGS.

ROADWAY: VARIES (AVG. 46.67' T/T PARAPET)

LOADING: HS20-44, CASE II, & ALT. MILITARY LOADING

SKEW: 3°-15' RT. FWD.

APPROACH SLABS: AS-1-81 (25' LONG)

ALIGNMENT: TANGENT

CROWN: 3/16" /ft

STRUCTURAL FILE NUMBER: 0600385

DATE BUILT: 7/1/1991

DISPOSITION: TO BE REPAIRED

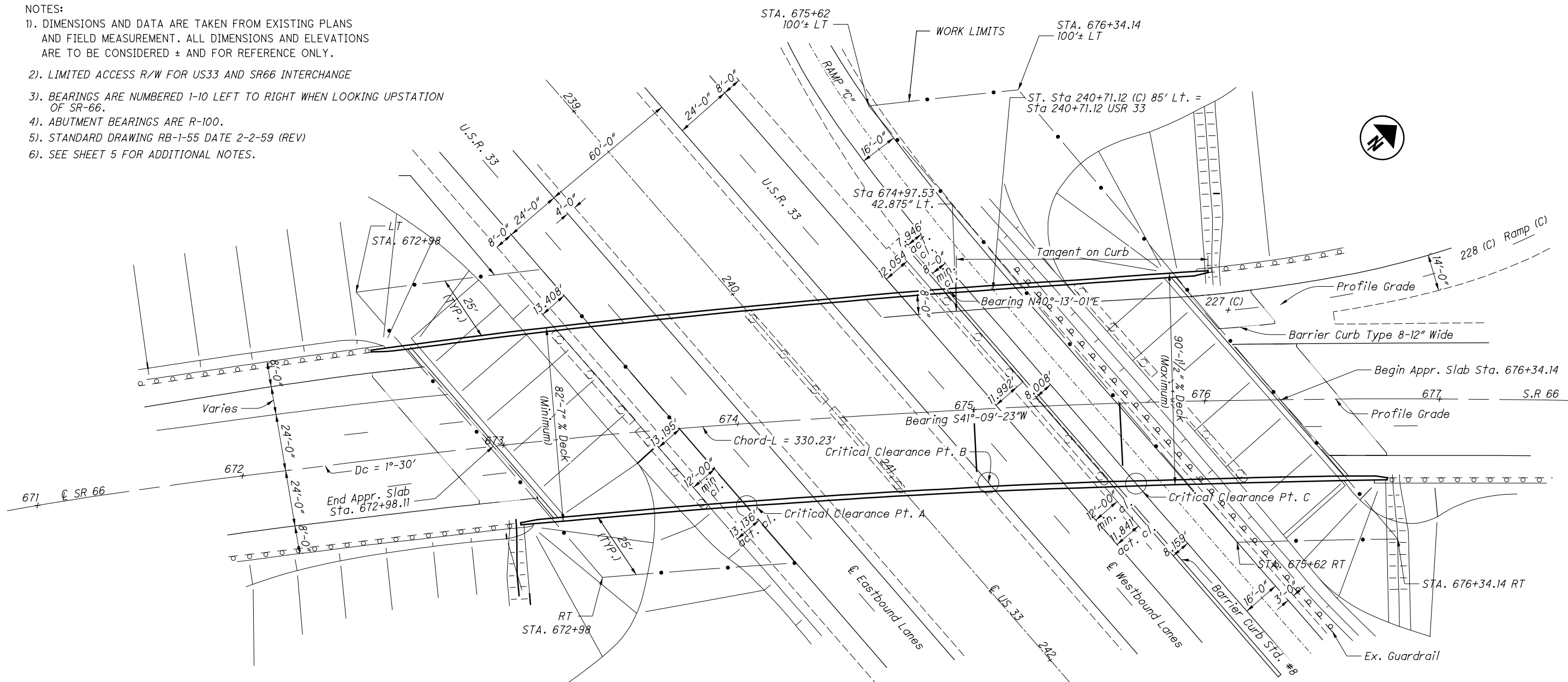
PROPOSED WORK

- 1). RESET BEARINGS 1,3,4,5,7 @ REAR ABUTMENT.
- 2). RESET BEARINGS 1,4,5 @ FORWARD ABUTMENT.

DESIGN AGENCY	ODOT - DISTRICT 7
ENGINEERING	
DATE	10/1/19
REVIEWED	MRB
STRUCTURE FILE NUMBER	0600385
DRAWN	PJB
CHECKED	DHG
DESIGNED	REB
REVISIONS	XXX
AUGLAIZE COUNTY	STA. 766+17.78
	STA. 769+40.54
SITE PLAN	
BRIDGE NO. :	AUG-033-1507L
	US-33 OVER C.R. 25A & C.S.X. R.R.
D07 BH FY20(B)	PID No. 105417
1 / 1	
40	67

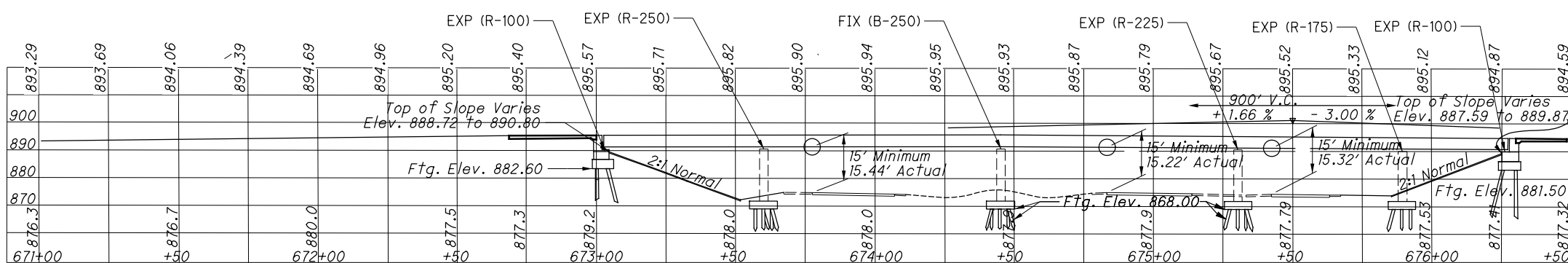
NOTES:

- 1). DIMENSIONS AND DATA ARE TAKEN FROM EXISTING PLANS AND FIELD MEASUREMENT. ALL DIMENSIONS AND ELEVATIONS ARE TO BE CONSIDERED ± AND FOR REFERENCE ONLY.
- 2). LIMITED ACCESS R/W FOR US33 AND SR66 INTERCHANGE
- 3). BEARINGS ARE NUMBERED 1-10 LEFT TO RIGHT WHEN LOOKING UPSTATION OF SR-66.
- 4). ABUTMENT BEARINGS ARE R-100.
- 5). STANDARD DRAWING RB-1-55 DATE 2-2-59 (REV)
- 6). SEE SHEET 5 FOR ADDITIONAL NOTES.



PLAN

WORK LISTED IS NOT INCLUSIVE. CONTRACTOR WILL SEQUENCE WORK AS NEEDED.



PROFILE

EXISTING STRUCTURE

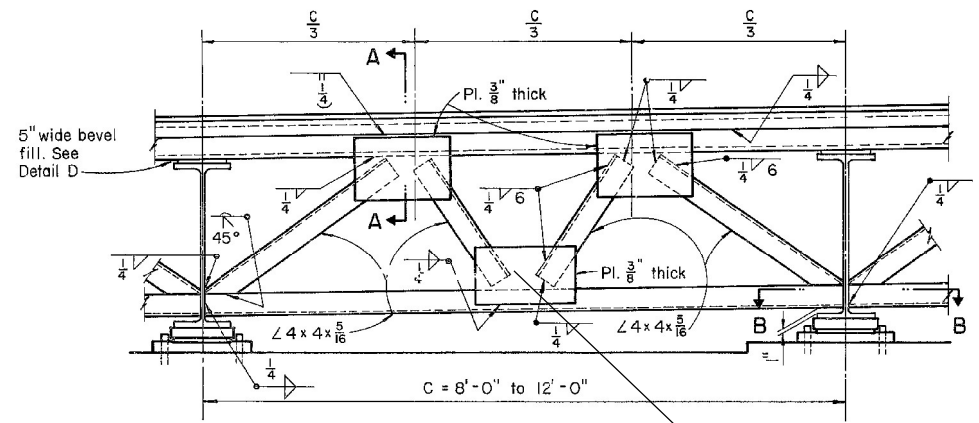
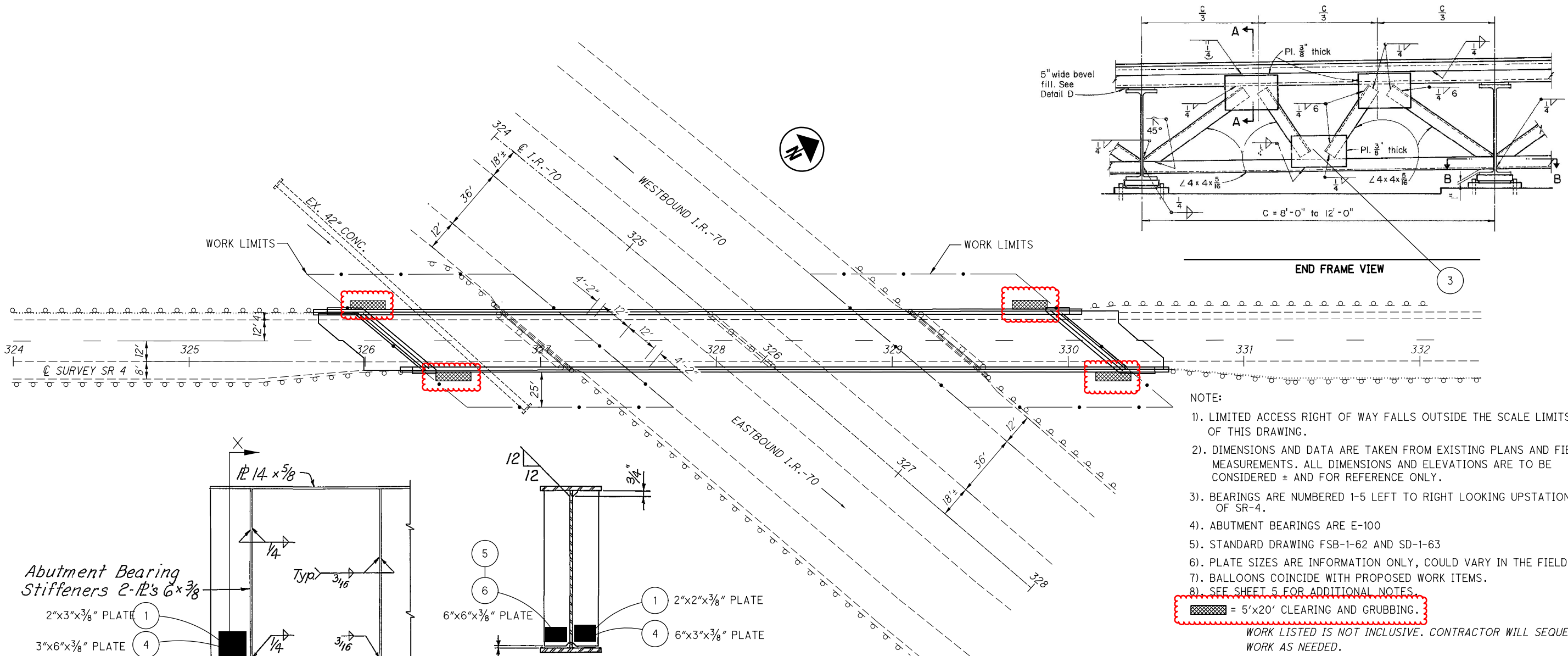
TYPE: Continuous Steel Beam with Reinforced Concrete Deck & Substructure
 SPANS: 59.0'-85.67'-85.67'-59.0'-41.0' brg's along ℓ Survey
 ROADWAY: Variable F/F PARAPETS
 LOADING: HS 20-44
 SKEW: 37°-39'-21" (To chord between Abut. Brg's)
 APPROACH SLABS: AS-1-67 (25' LONG)
 ALIGNMENT: 1°-30' Rt. (SR 66)
 CROWN: 0.04 ft/ft
 STRUCTURAL FILE NUMBER: 0601144
 DATE BUILT: 7/1/1971
 DISPOSITION: TO BE REPAIRED

PROPOSED WORK

- 1). RESET BEARINGS, 1,3,4,5,6,7,8,10 @ REAR ABUTMENT
- 2). RESET BEARINGS, 1,3,,6,7 @ FORWARD ABUTMENT

SITE PLAN	AUGLAIZE COUNTY STA. 672+98.11 STA. 676+34.14	DESIGN AGENCY ODOT - DISTRICT 7 ENGINEERING	DATE 10/1/19	REVIEWED MRB
BRIDGE NO. : AUG-066-1273 S.R. 66 OVER U.S. 33	STA. 672+98.11 STA. 676+34.14	DESIGNED REB	DRAWN PUB	STRUCTURE FILE NUMBER 0601144
D07 BH FY20(B)	PID No. 105417	CHECKED DHG	REVISED XXX	0601144

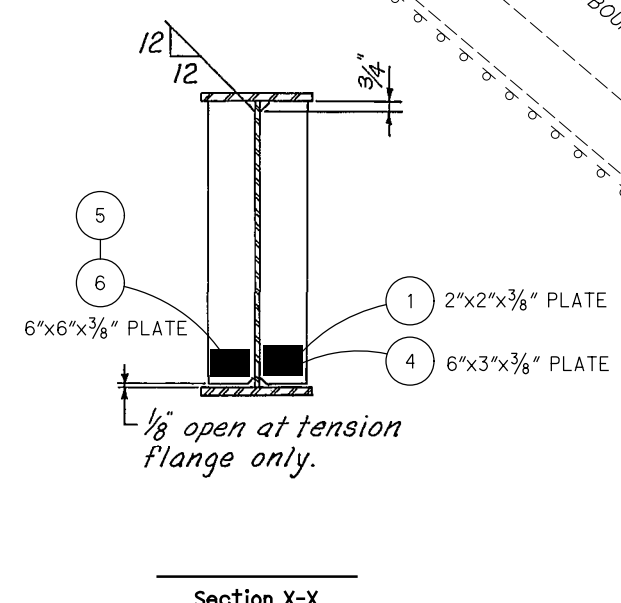
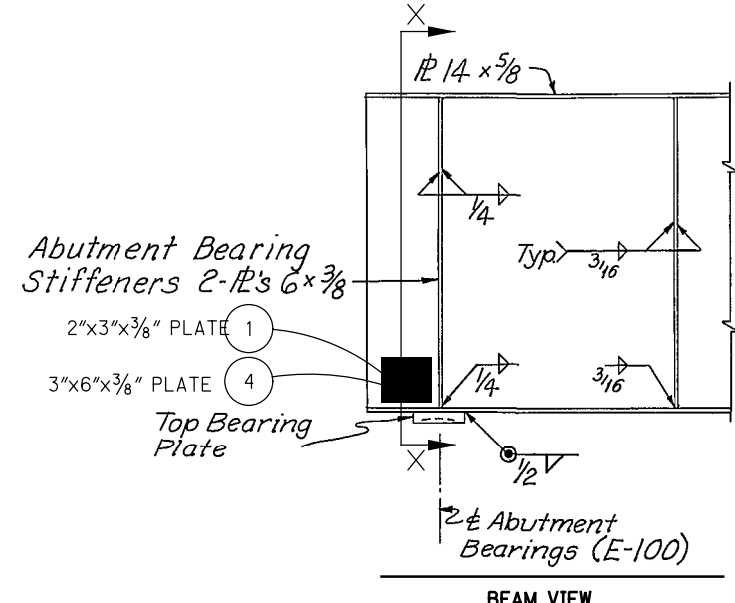
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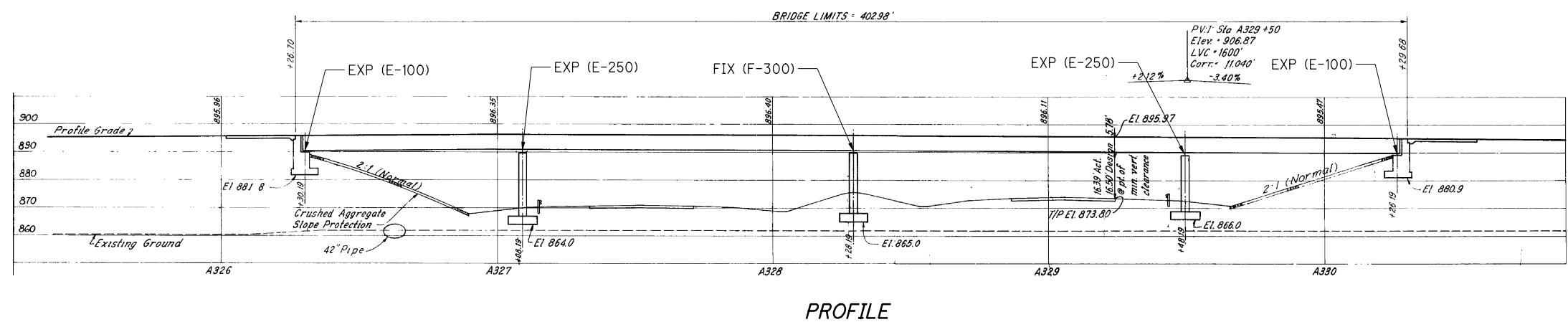
- NOTE:
- 1). LIMITED ACCESS RIGHT OF WAY FALLS OUTSIDE THE SCALE LIMITS OF THIS DRAWING.
 - 2). DIMENSIONS AND DATA ARE TAKEN FROM EXISTING PLANS AND FIELD MEASUREMENTS. ALL DIMENSIONS AND ELEVATIONS ARE TO BE CONSIDERED ± AND FOR REFERENCE ONLY.
 - 3). BEARINGS ARE NUMBERED 1-5 LEFT TO RIGHT LOOKING UPSTATION OF SR-4.
 - 4). ABUTMENT BEARINGS ARE E-100
 - 5). STANDARD DRAWING FSB-1-62 AND SD-1-63
 - 6). PLATE SIZES ARE INFORMATION ONLY, COULD VARY IN THE FIELD.
 - 7). BALLOONS COINCIDE WITH PROPOSED WORK ITEMS.
 - 8). SEE SHEET 5 FOR ADDITIONAL NOTES.

= 5'x20' CLEARING AND GRUBBING.

WORK LISTED IS NOT INCLUSIVE. CONTRACTOR WILL SEQUENCE WORK AS NEEDED.



REF #	DIMENSIONS	LBS.
①	2"x3"x3/8"	.638
①	2"x2"x3/8"	.425
④	3"x6"x3/8"	1.914
④	6"x3"x3/8"	1.914
⑤	6"x6"x3/8"	3.828
⑥	6"x6"x3/8"	3.828
TOTALS		12.55



EXISTING STRUCTURE

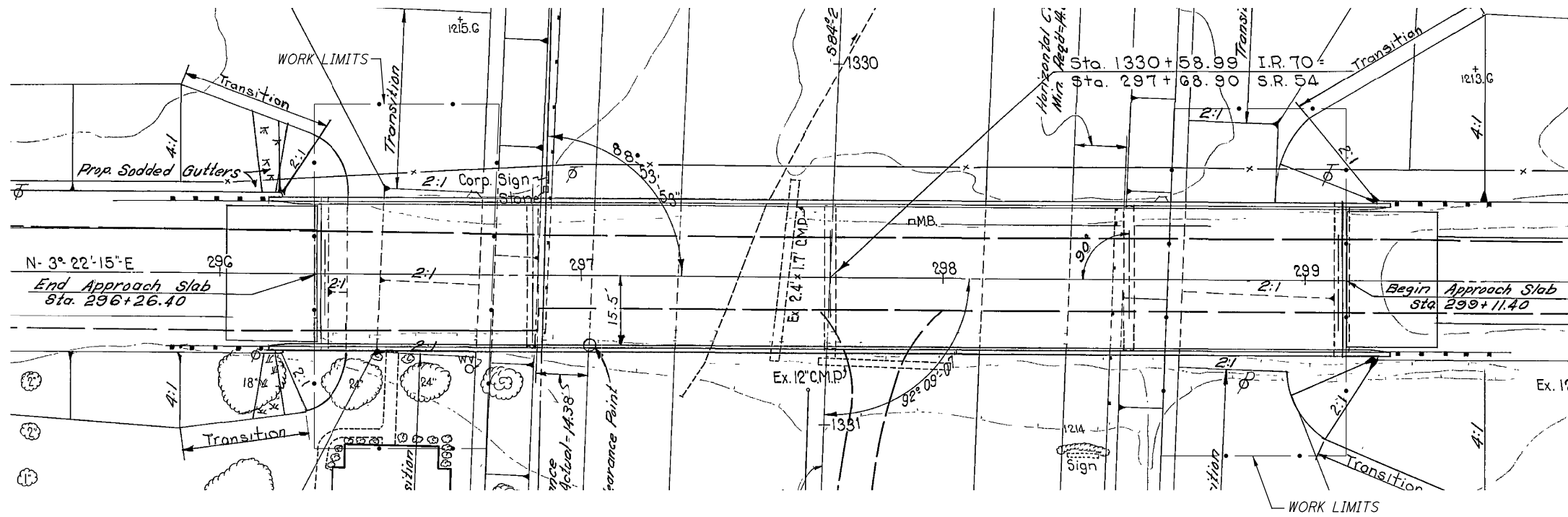
TYPE: CONTINUOUS STEEL GIRDERS WITH REINFORCED CONCRETE DECK AND SUB STRUCTURE
 SPANS: 78'-0", 120'-0", 120'-0", 78'-0" c/c BEARINGS
 ROADWAY: 30'-0" TOE TO TOE BARRIER
 LOADING: CF 2000 (57) ADEQUATE FOR AASHTO ALTERNATE LOADING
 SKEW: 49°-52'-00" RT. FWD.
 APPROACH SLABS: AS-1-54 (25" LONG)
 ALIGNMENT: TANGENT
 CROWN: 3/16" /FT
 STRUCTURAL FILE NUMBER: 1200011
 DATE BUILT: 1967
 DISPOSITION: TO BE REPAIRED

PROPOSED WORK

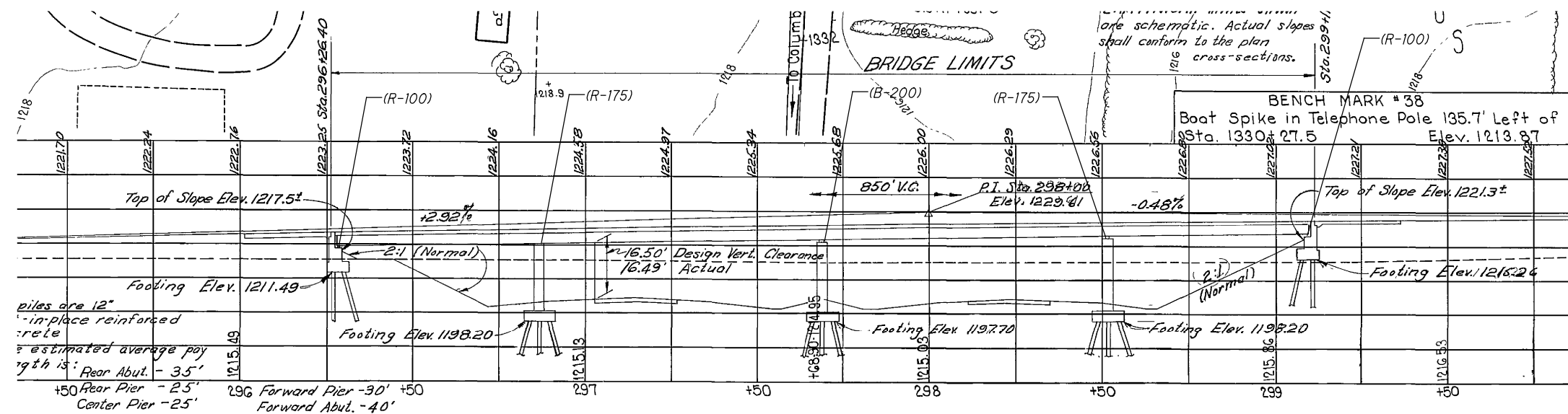
- 1). REPAIR SECTION LOSS AT BEAM 1 AND STIFFENER AT REAR ABUTMENT.
- 2). RESET BEARING 3 AT REAR ABUTMENT.
- 3). REPAIR END FRAME ANGLE WELDS BETWEEN BEAM 3 & 4, REAR ABUTMENT.
- 4). REPAIR SECTION LOSS AT BEAM 4 AND STIFFENER AT REAR ABUTMENT.
- 5). REPAIR SECTION LOSS AT STIFFENER, BEAM 5 AT REAR ABUTMENT.
- 6). REPAIR SECTION LOSS AT STIFFENER, BEAM 1 AND RESET BEARING 1 AT FWD. ABUTMENT.

DESIGN AGENCY: ODOT - DISTRICT 7 ENGINEERING
 DATE: 10/1/19
 REVIEWED: MRB
 DRAWN: PUB
 DESIGNED: REB
 CHECKED: DHG
 STRUCTURE FILE NUMBER: 1200011
 CLARK COUNTY STA.: 324+00 STA.: 332+00
SITE PLAN
 BRIDGE NO.: CLA-004-0611R SR. 4 OVER I.R. 70
D07 BH FY20(B)
 PID No. 105417
 1/1
 42/67

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PLAN



PROFILE

NOTE:

- 1). DIMENSIONS AND DATA ARE TAKEN FROM EXISTING PLANS AND FIELD MEASUREMENTS. ALL DIMENSIONS AND ELEVATIONS ARE TO BE CONSIDERED ± AND FOR REFERENCE ONLY.
- 2). EXISTING STRUCTURE FALLS WITHIN THE LA R/W OF I.R. 70 INTERCHANGE.
- 3). BEARINGS ARE NUMBERED 1-5 LEFT TO RIGHT WHEN LOOKING UPSTATION OF SR-54.
- 4). ABUTMENT BEARINGS ARE R-100.
- 5). STANDARD DRAWING BR-1-55 DATED 2-2-59 (REVISED).
- 6). SEE SHEET 5 FOR ADDITIONAL NOTES.

WORK LISTED IS NOT INCLUSIVE. CONTRACTOR WILL SEQUENCE WORK AS NEEDED

EXISTING STRUCTURE

TYPE: CONTINUOUS STEEL BEAM WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE
 SPANS: 57.75', 82.50', 57.75' C/C BEARINGS
 ROADWAY: 33'-0" F/F 6" SAFETY CURB
 LOADING: CF-400(57)
 SKEW: NONE
 APPROACH SLABS: AS-1-67 (25' LONG)
 ALIGNMENT: TANGENT
 CROWN: 3/16" /FT
 STRUCTURAL FILE NUMBER: 1202197
 DATE BUILT: 7/1/1969
 DISPOSITION: TO BE REPAIRED

PROPOSED WORK

- 1). RESET ABUTMENT BEARINGS #1-#5 REAR
- 2). RESET ABUTMENT BEARINGS #1-#5 FORWARD

DESIGN AGENCY
 ODOT - DISTRICT 7
 ENGINEERING

DATE
 10/1/19

REVIEWED
 MRB

DRAWN
 REB

DESIGNED
 REB

CHECKED
 DHG

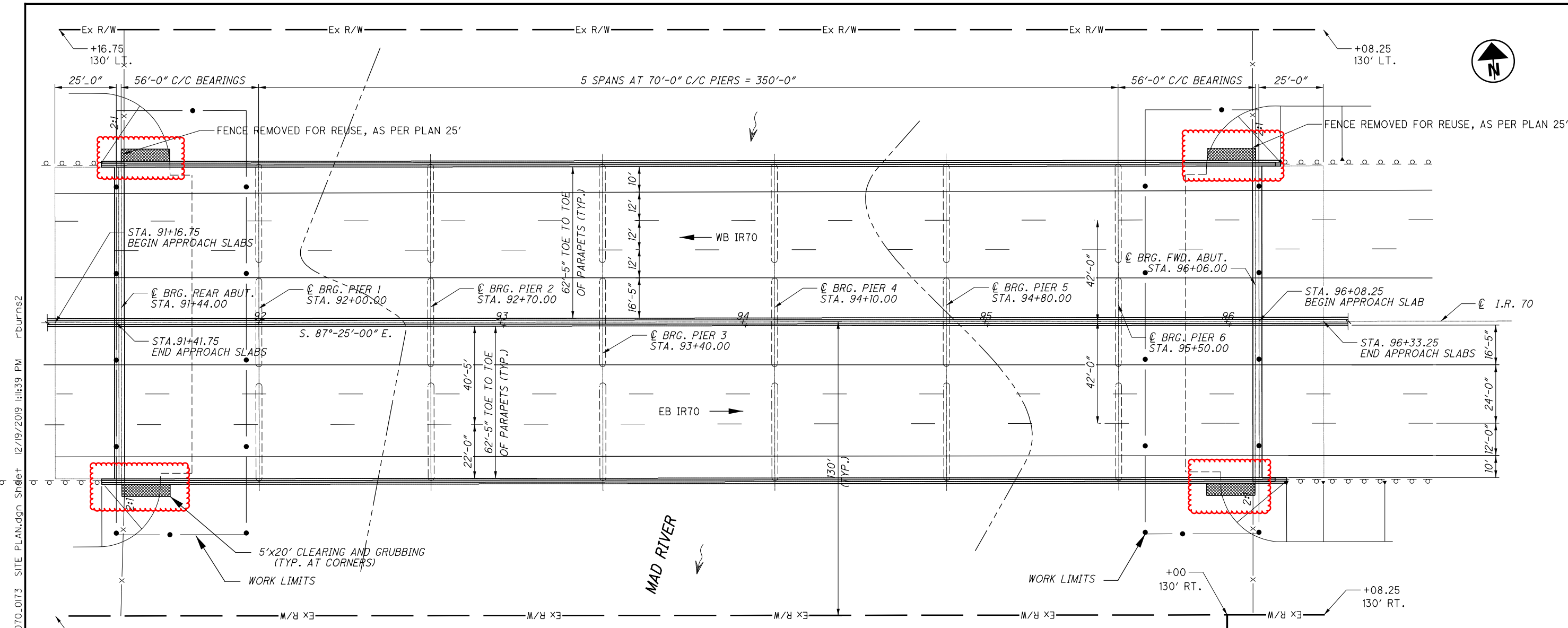
CLARK COUNTY
 STA. 296+26.40
 STA. 299+11.40

SITE PLAN
 BRIDGE NO. : CL054-0561
 S.R. 54 OVER I.R 70

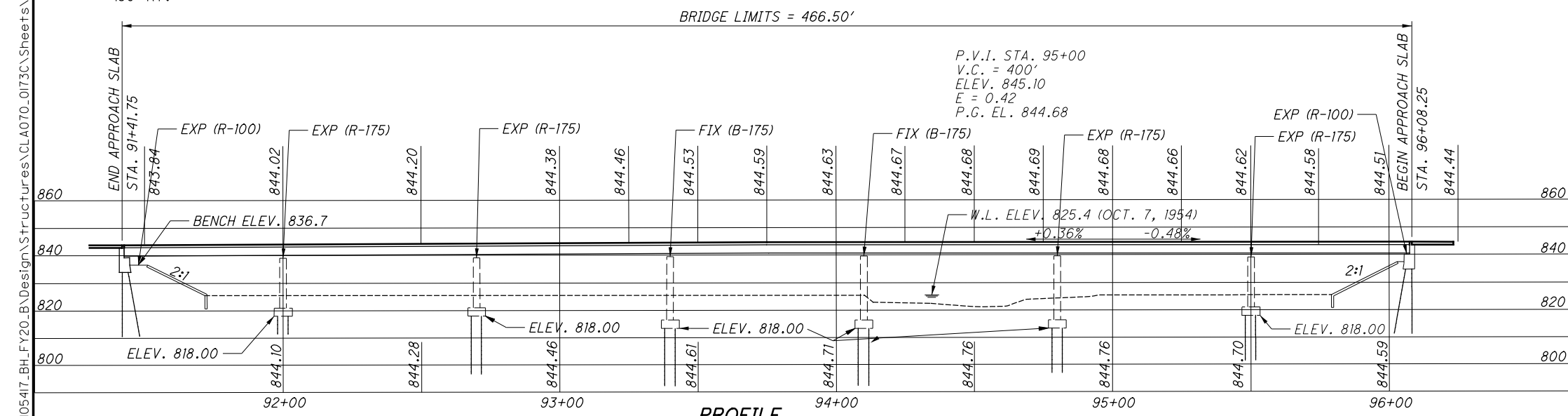
D07 BH FY20(B)
 PID No. 105417

1 / 1

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 67



PLAN



PROFILE

EXISTING STRUCTURE	
TYPE: CONTINUOUS STEEL BEAM (A36) WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE.	
SPANS: 56'-0", 5 @ 70'-0", 56'-0" C/C BEARINGS	
ROADWAY: 2 @ 62'-5" TOE TO TOE OF BARRIERS	
LOADING: HS20-44 CASE 1 AND THE ALTERNATE MILITARY LOADING	
SKEW: NONE	
APPROACH SLABS: AS-1-81 (25'-0" LONG)	
ALIGNMENT: TANGENT	
CROWN: 3/16" /FT	
STRUCTURAL FILE NUMBER: 1203630	
DATE BUILT: 1957	
DISPOSITION: TO BE REPAIRED	

PROPOSED WORK	
1). REFURBISH REAR ABUTMENT BEARINGS 1-6.	
2). REFURBISH FORWARD ABUTMENT BEARINGS 1,3,5-9.	
3). FENCE REMOVED FOR REUSE, AS PER PLAN - 50'	
3). FENCE REBUILT, TYPE CLT - 50'	

- NOTE:
- DIMENSIONS AND DATA ARE TAKEN FROM EXISTING PLANS AND FIELD MEASUREMENTS. ALL DIMENSIONS AND ELEVATIONS ARE TO BE CONSIDERED ± AND FOR REFERENCE ONLY.
 - BEARINGS ARE NUMBERED 1-18, LEFT TO RIGHT WHEN LOOKING UPSTATION ON IR-70.
 - ABUTMENT BEARINGS ARE R-100

- NOTE: (cont.)
- STANDARD DRAWING RB-1-55 DATED 2-2-59
 - SEE SHEET 5 FOR ADDITIONAL NOTES.

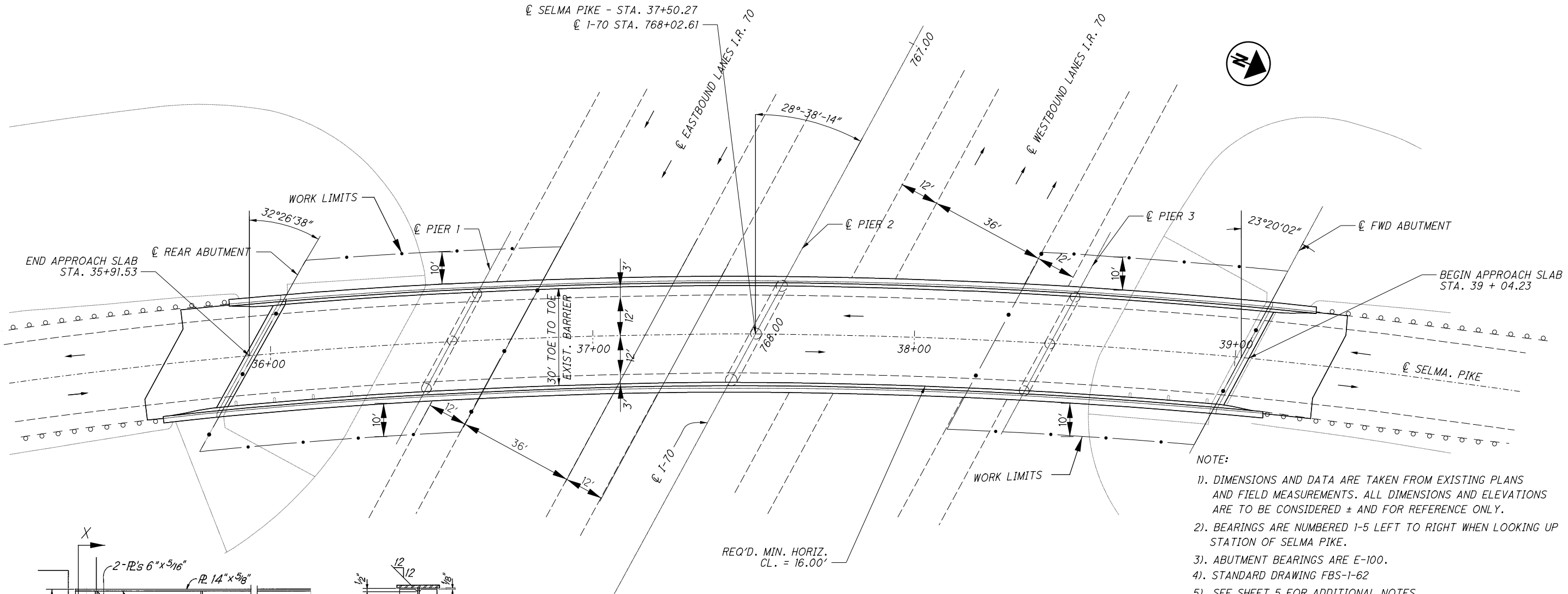


WORK LISTED IS NOT INCLUSIVE. CONTRACTOR WILL SEQUENCE WORK AS NEEDED.

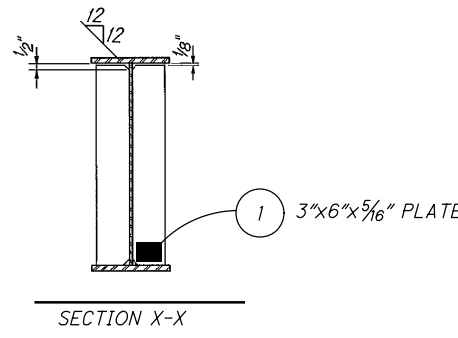
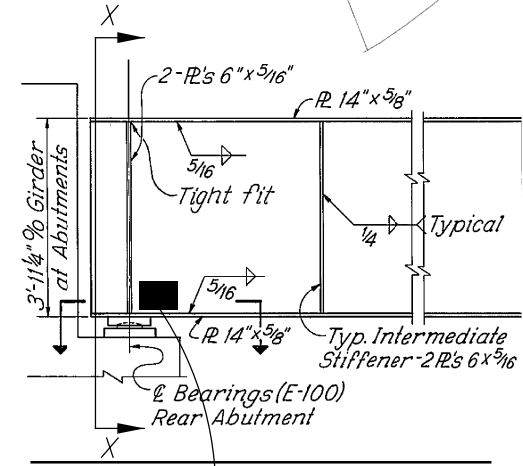
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DESIGN AGENCY ODOT - DISTRICT 7 ENGINEERING	DATE 10/1/19	REVIEWED MRB	STRUCTURE FILE NUMBER 1203630
CLARK COUNTY STA. 91+16.75 STA. 96+33.25	DESIGNED REB	CHECKED DHG	DRAWN PUB
SITE PLAN BRIDGE NO. : CLAO-070-0173 I.R. TO OVER MAD RIVER	REVISION XXX	FILE NUMBER 1203630	
D07 BH FY20(B) PID No. 105417			

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- NOTE:
- 1). DIMENSIONS AND DATA ARE TAKEN FROM EXISTING PLANS AND FIELD MEASUREMENTS. ALL DIMENSIONS AND ELEVATIONS ARE TO BE CONSIDERED ± AND FOR REFERENCE ONLY.
 - 2). BEARINGS ARE NUMBERED 1-5 LEFT TO RIGHT WHEN LOOKING UP STATION OF SELMA PIKE.
 - 3). ABUTMENT BEARINGS ARE E-100.
 - 4). STANDARD DRAWING FBS-1-62
 - 5). SEE SHEET 5 FOR ADDITIONAL NOTES.
 - 6). PLATE SIZES ARE INFORMATION ONLY, COULD VARY IN THE FIELD.
 - 7). BALLOONS COINCIDE WITH PROPOSED WORK.



REF #	DIMENSIONS	LBS.
①	3"x6"x5/16"	1.595
②	7"x8"x5/16"	4.962
TOTALS		6.56

WORK LISTED IS NOT INCLUSIVE. CONTRACTOR WILL SEQUENCE WORK AS NEEDED.

EXISTING STRUCTURE

TYPE: CONTINUOUS WELDED STEEL GIRDER WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE

SPANS: 61'-6", 94'-6", 60'-0" c/c BRG.

ROADWAY: 30'-0" TOE TO TOE BARRIER

LOADING: CF400 (57)

SKEW: 29°-38'-14" L.F. TO TANGENT

APPROACH SLABS: AS-1-54 (25'-0" LONG, MODIFIED)

ALIGNMENT: 3°-30' CURVE TO RIGHT

CROWN: 1"/FT.

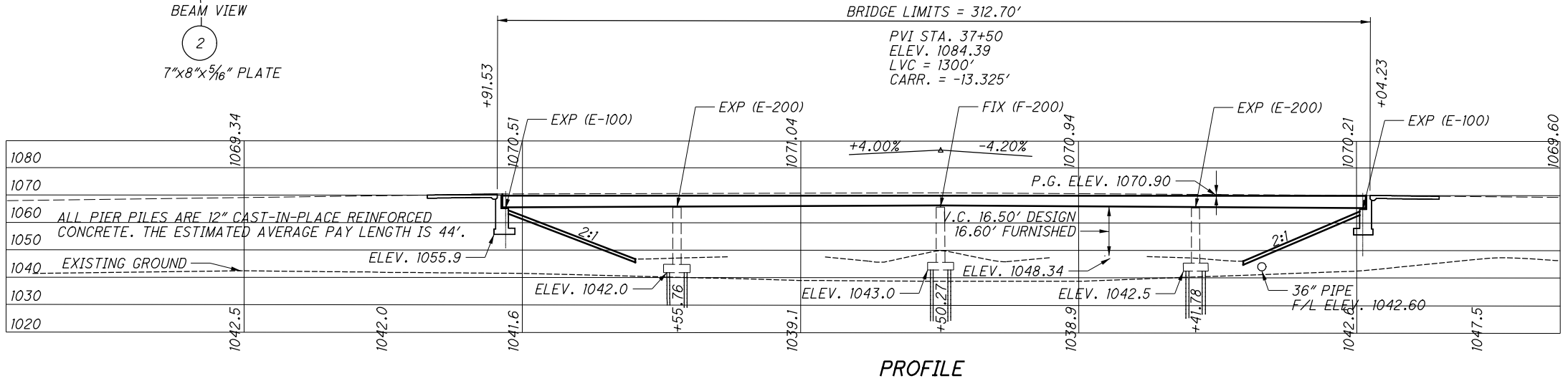
STRUCTURAL FILE NUMBER: 1204440

DATE BUILT: 1967

DISPOSITION: TO BE REPAIRED

PROPOSED WORK

- 1). REPAIR SECTION LOSS OF STIFFENER, BEAM 5, REAR ABUTMENTS
- 2). REPAIR SECTION LOSS OF BEAM 5, FORWARD ABUTMENTS.



DESIGN AGENCY: ODOT - DISTRICT 7 ENGINEERING

DATE: 10/1/19

REVIEWED: MRB

STRUCTURE FILE NUMBER: 1204440

DRAWN: PUB

CHECKED: DHG

DESIGNED: REB

CLARK COUNTY STA. 35+91.53 STA. 39+04.23

SITE PLAN

BRIDGE NO. : CLAO-070-1446

SELMA RD. OVER I.R. 70

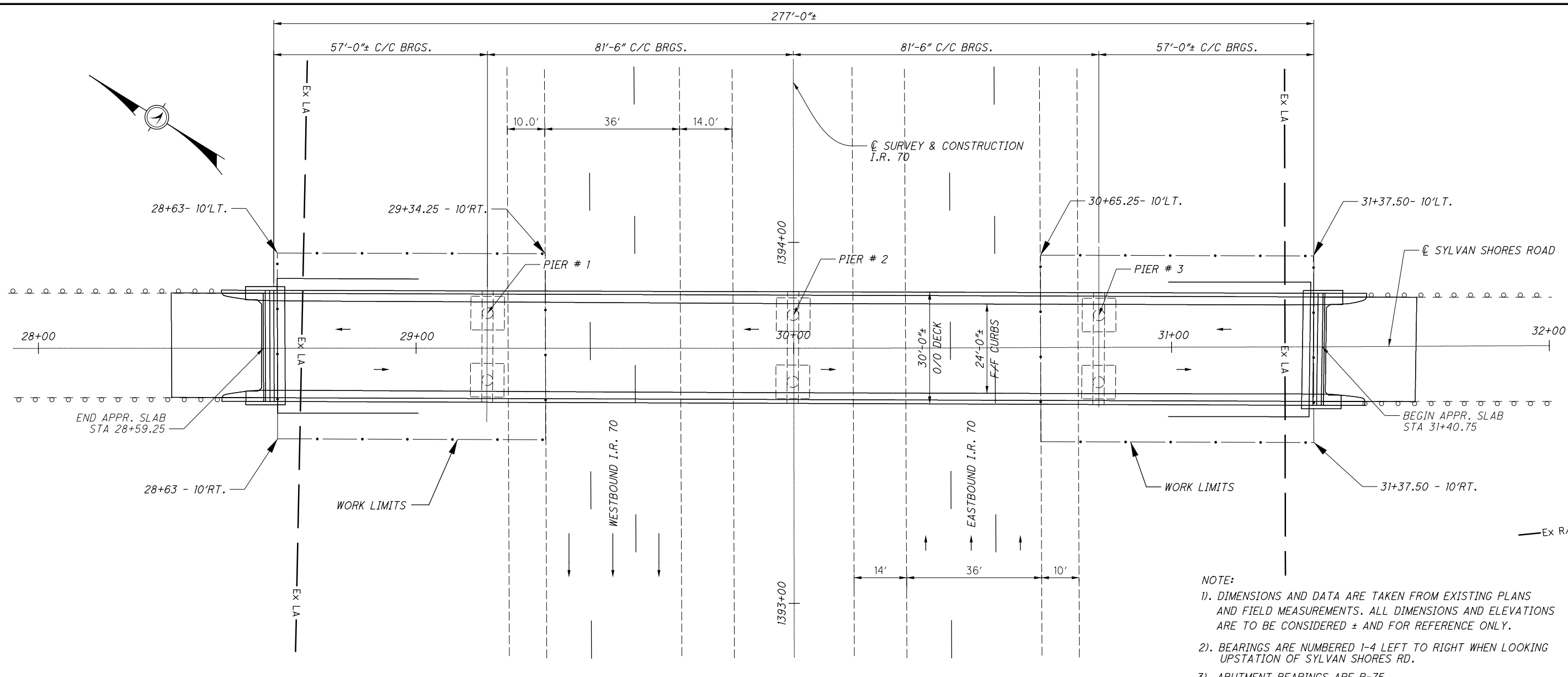
D07-BH-FY20(B)

PID No. 105417

1/1

45/67

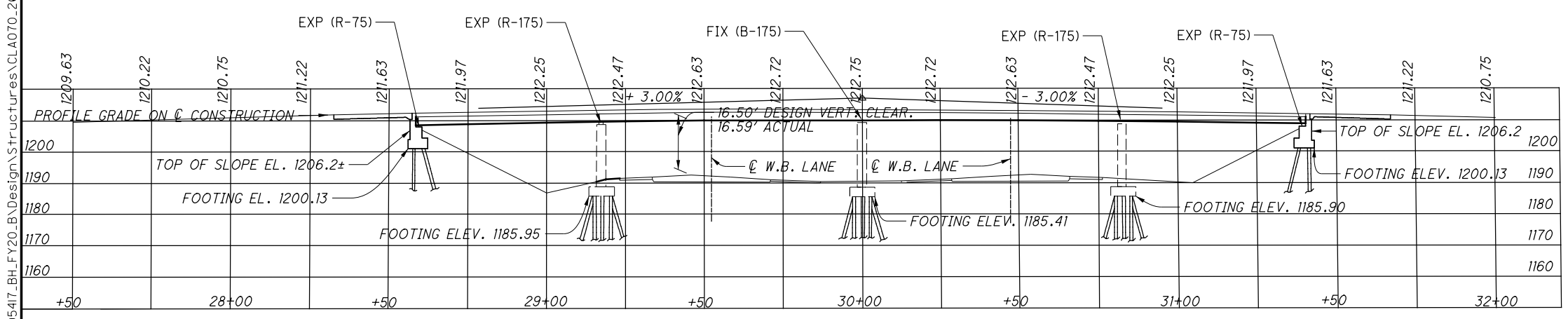
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PLAN

- NOTE:
- 1). DIMENSIONS AND DATA ARE TAKEN FROM EXISTING PLANS AND FIELD MEASUREMENTS. ALL DIMENSIONS AND ELEVATIONS ARE TO BE CONSIDERED ± AND FOR REFERENCE ONLY.
 - 2). BEARINGS ARE NUMBERED 1-4 LEFT TO RIGHT WHEN LOOKING UPSTATION OF SYLVAN SHORES RD.
 - 3). ABUTMENT BEARINGS ARE R-75.
 - 4). STANDARD DRAWING RB-1-55 DATED 2-2-59 (REVISED)
 - 5). SEE SHEET 5 FOR ADDITIONAL NOTES.
 - 6). R/W FOR SYLVAN SHORES ROAD IS OUTSIDE THIS VIEW.

WORK LISTED IS NOT INCLUSIVE. CONTRACTOR WILL SEQUENCE WORK AS NEEDED.



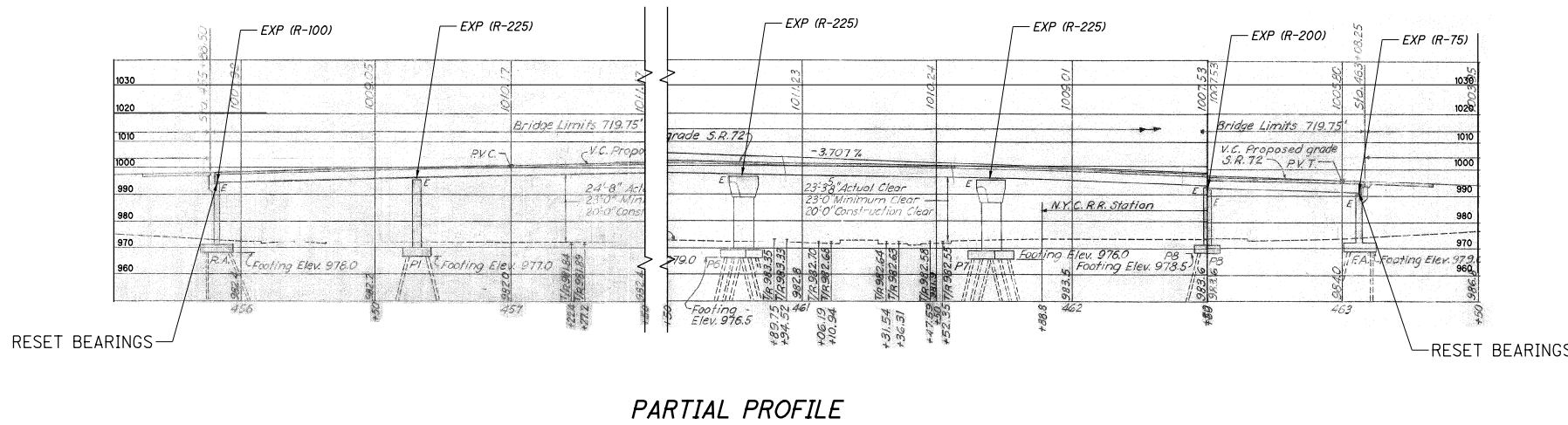
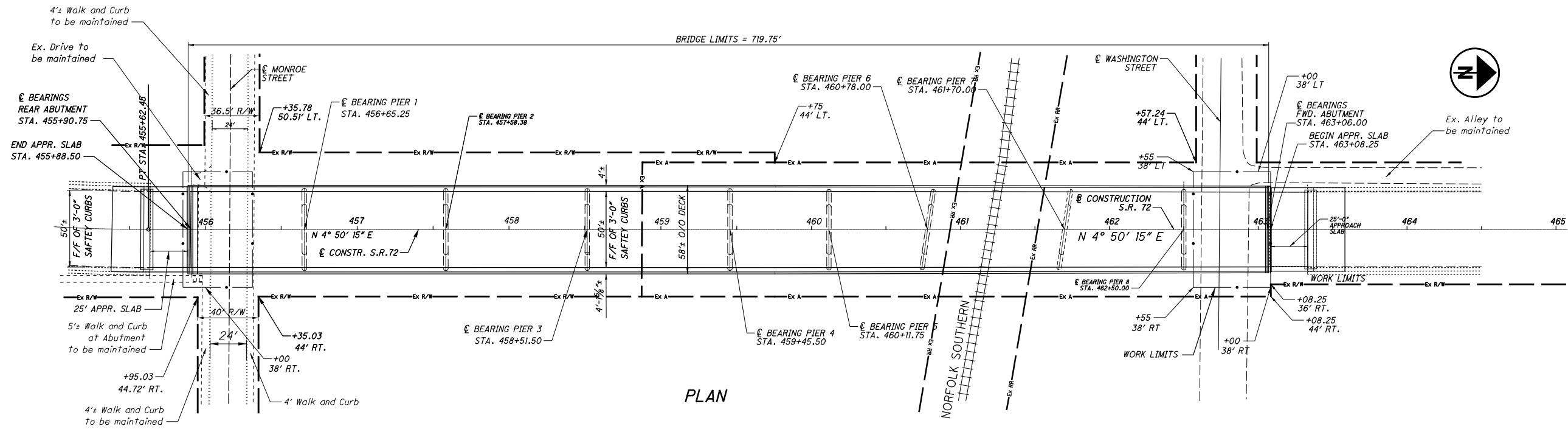
PROFILE

EXISTING STRUCTURE	
TYPE: 4 SPAN CONTINUOUS STEEL BEAM WITH SUB ABUTMENTS AND CAPPED COLUMN @ PIERS	
SPANS: 57'-0"±, 81'-6"±, 81'-6"±, 57'-00"± C/C BEARINGS	
ROADWAY: 24'-0"± F/F SAFETY CURB	
LOADING: CF-130 (57)	
SKEW: NONE	
APPROACH SLABS: AS-1-67 (25' LONG)	
ALIGNMENT: TANGENT	
CROWN: 3/16" / FT	
STRUCTURAL FILE NUMBER: 1205250	
DATE BUILT: 1969	
DISPOSITION: TO BE REPAIRED	

PROPOSED WORK	
1). RESET BEARING #1 AT REAR ABUTMENT.	
2). RESET BEARINGS #1, #4 AT FORWARD ABUTMENT.	

DESIGN AGENCY ODOT - DISTRICT 7 ENGINEERING
DATE 10/1/19
REVIEWED MRB
STRUCTURE FILE NUMBER 1205250
DRAWN PUB
CHECKED DHG
DESIGNED REB
REVISED XXX
CLARK COUNTY STA. 28+59.25 STA. 31+40.75
SITE PLAN BRIDGE NO. : CLA-070-2631 SYLVAN SHORES RD. OVER I.R. 70
D07 BH FY20(B) PID No. 105417

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- NOTE:
- 1). DIMENSIONS AND DATA ARE TAKEN FROM EXISTING PLANS AND FIELD MEASUREMENTS. ALL DIMENSIONS AND ELEVATIONS ARE TO BE CONSIDERED ± AND FOR REFERENCE ONLY.
 - 2). BEARINGS ARE NUMBERED LEFT TO RIGHT 1-7, WHEN LOOKING UPSTREAM ON SR 72.
 - 3). BEARINGS ARE R-100 AT REAR ABUTMENT, AND R-75 AT FORWARD ABUTMENT.
 - 4). STANDARD DRAWING RB-1-55 DATED 2-2-59
 - 5). SEE SHEET 5 FOR ADDITIONAL NOTES.

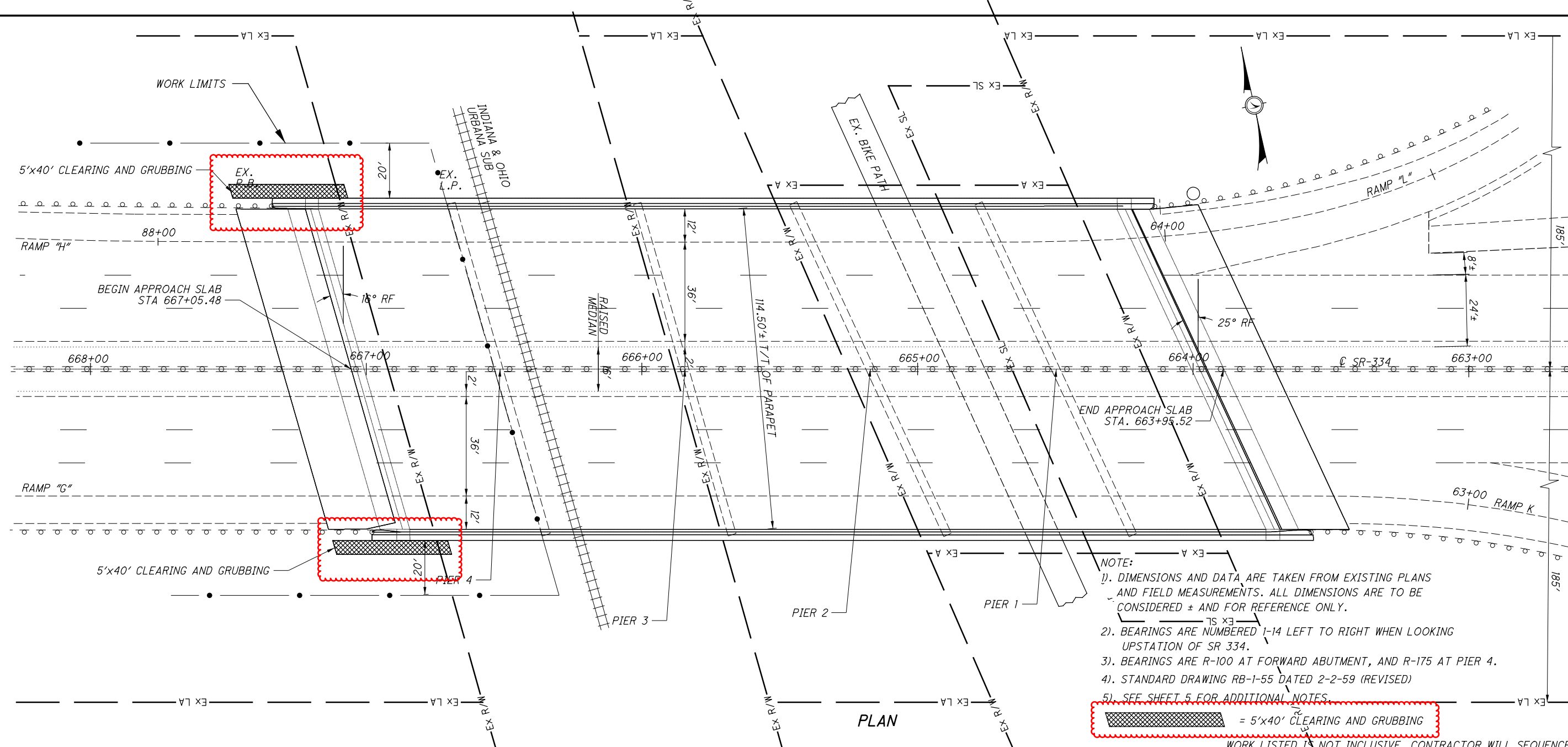
WORK LISTED IS NOT INCLUSIVE. CONTRACTOR WILL SEQUENCE WORK AS NEEDED.

EXISTING STRUCTURE	
TYPE: CONTINUOUS STEEL BEAM WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE	
SPANS: 74'-6"; 93'-1 1/2"; 93'-1 1/2"; 94'-0" 66'-3"; 66'-3"; 92'-0"; 80'-0"; 56'-0"	
ROADWAY: 50'-0" F/F OF 3'-0" SAFETY CURBS	
LOADING: HS20, CASE II, AND THE ALTERNATE MILITARY	
SKEW: 0°0'0" AND 8°28'40" L.F.	
APPROACH SLABS: AS-1-81 (25' LONG)	
ALIGNMENT: TANGENT	
CROWN: 3/16" /FT	
STRUCTURAL FILE NUMBER: 1205463	
DATE BUILT: 1970	
DISPOSITION: TO BE REPAIRED	

PROPOSED WORK	
1). RESET ABUTMENT BEARINGS #1,#2, #5-#7 REAR	
2). RESET ABUTMENT BEARINGS #1-#7 FORWARD	

DESIGN AGENCY ODOT - DISTRICT 7 ENGINEERING	DATE 10/1/19	REVIEWED MRB	STRUCTURE FILE NUMBER 1205463		
CLARK COUNTY STA. 455+88.50 STA. 463+08.25	DESIGNED REB	DRAWN PUB	CHECKED DHG		
SITE PLAN BRIDGE NO. : CL-A-072-0863 S.R.72 OVER MONROE ST, WASHINGTON ST, AND NS RR		REVISIONS XXX	PID No. 105417		
D07 BH FY20(B)	1/1	<table border="1"> <tr> <td>47</td> </tr> <tr> <td>67</td> </tr> </table>		47	67
47					
67					

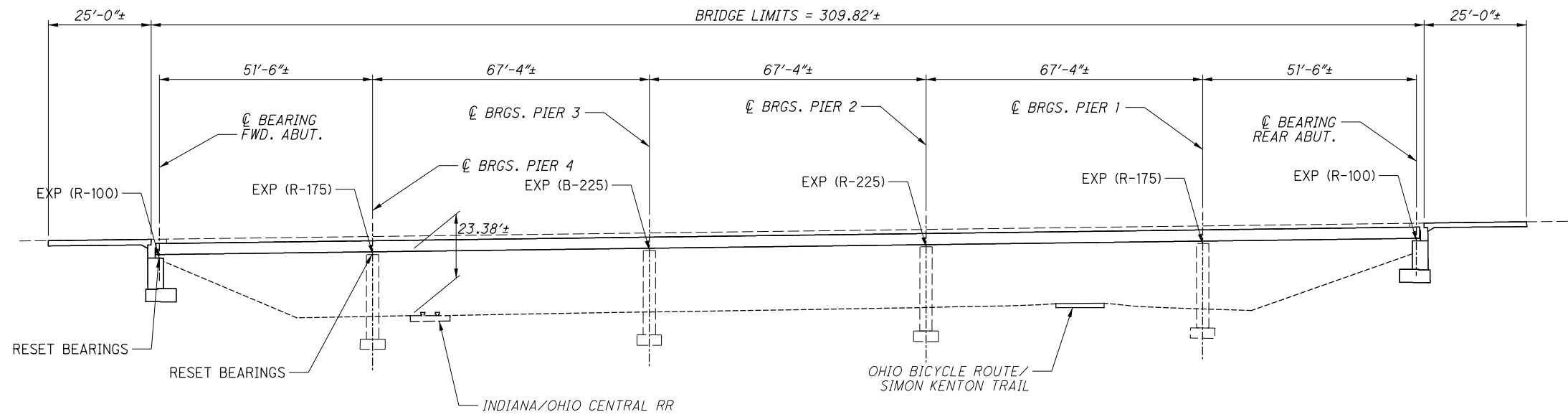
I:\ProjectData\07105417_BH_FY20_B\Design\Structures\CL334_0086\Sheets\CL334_0086 SITE PLAN.dgn Sheet 12/19/2019 12:43 PM rburns2



- NOTE:
- 1). DIMENSIONS AND DATA ARE TAKEN FROM EXISTING PLANS AND FIELD MEASUREMENTS. ALL DIMENSIONS ARE TO BE CONSIDERED ± AND FOR REFERENCE ONLY.
 - 2). BEARINGS ARE NUMBERED 1-14 LEFT TO RIGHT WHEN LOOKING UPSTATION OF SR 334.
 - 3). BEARINGS ARE R-100 AT FORWARD ABUTMENT, AND R-175 AT PIER 4.
 - 4). STANDARD DRAWING RB-1-55 DATED 2-2-59 (REVISED)
 - 5). SEE SHEET 5 FOR ADDITIONAL NOTES.

= 5'x40' CLEARING AND GRUBBING

WORK LISTED IS NOT INCLUSIVE. CONTRACTOR WILL SEQUENCE WORK AS NEEDED.



PROFILE

EXISTING STRUCTURE

TYPE: CONTINUOUS STEEL BEAMS WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE

SPANS: VARIABLE 51'-6"; (3) @ 67'-4"; 51'-6" ON \bar{C} SURVEY

ROADWAY: 116'-0" T/T OF CONCRETE PARAPETS MEDIAN W/ 16'-0" WIDTH RAISED

LOADING: HS 20-44 & ALTERNATE MILITARY

SKEW: VARIABLE 25°RF (R.ABUT.) AND 16°RF (F.ABUT.)

APPROACH SLABS: AS-1-67 (25' MODIFIED)

ALIGNMENT: TANGENT

CROWN: 0.016

STRUCTURAL FILE NUMBER: 1205641

DATE BUILT: 1971

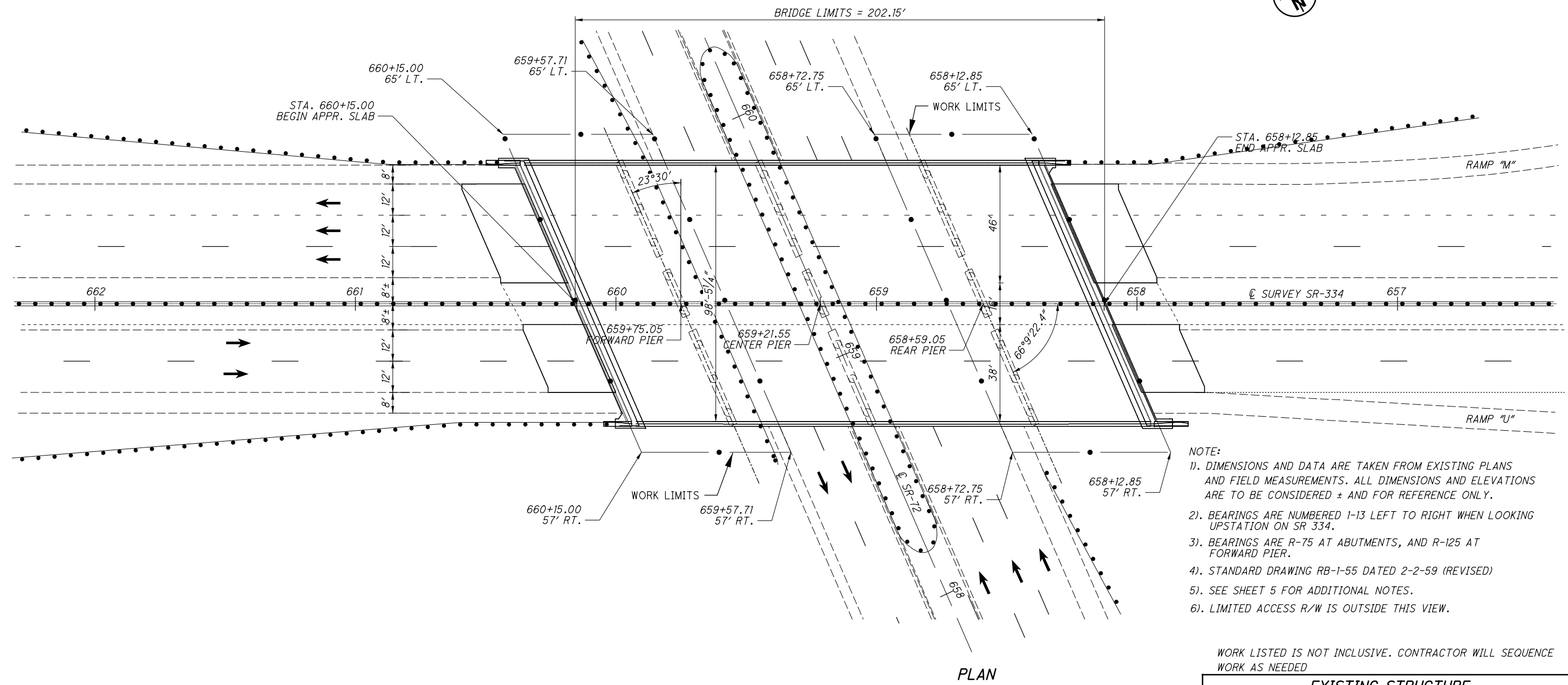
DISPOSITION: TO BE REPAIRED

PROPOSED WORK

- 1). RESET BEARING #5 AT FORWARD ABUTMENT.
- 2). RESET BEARINGS #1-#5 AND #8-#10 AT PIER 4 THAT ARE OUT OF ADJUSTMENT.

DESIGN AGENCY ODOT - DISTRICT 7 ENGINEERING	DATE 11/07/19	REVIEWED MRB	DRAWN PUB	DESIGNED REB	CLARK COUNTY STA. 663+95.52	SITE PLAN BRIDGE NO. : CL-A-334-0086 S.R.334 OVER BIKE PATH AND INDIANA & OHIO URBANA SUB RR
	STRUCTURE FILE NUMBER 1205641	XXX	XXX	DHG	STA. 667+05.48	
D07 BH FY20(B) PID No. 105417						1/1
						48 67

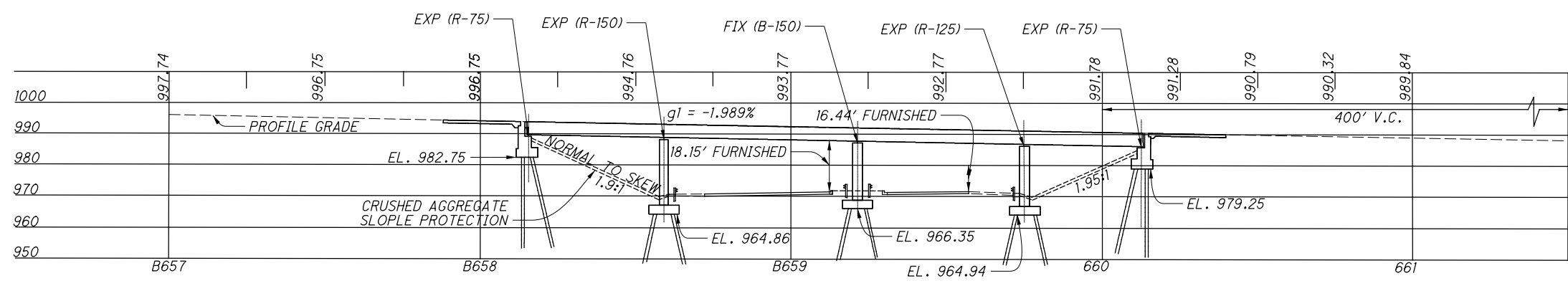
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PLAN

- NOTE:
- 1). DIMENSIONS AND DATA ARE TAKEN FROM EXISTING PLANS AND FIELD MEASUREMENTS. ALL DIMENSIONS AND ELEVATIONS ARE TO BE CONSIDERED ± AND FOR REFERENCE ONLY.
 - 2). BEARINGS ARE NUMBERED 1-13 LEFT TO RIGHT WHEN LOOKING UPSTATION ON SR 334.
 - 3). BEARINGS ARE R-75 AT ABUTMENTS, AND R-125 AT FORWARD PIER.
 - 4). STANDARD DRAWING RB-1-55 DATED 2-2-59 (REVISED)
 - 5). SEE SHEET 5 FOR ADDITIONAL NOTES.
 - 6). LIMITED ACCESS R/W IS OUTSIDE THIS VIEW.

WORK LISTED IS NOT INCLUSIVE. CONTRACTOR WILL SEQUENCE WORK AS NEEDED



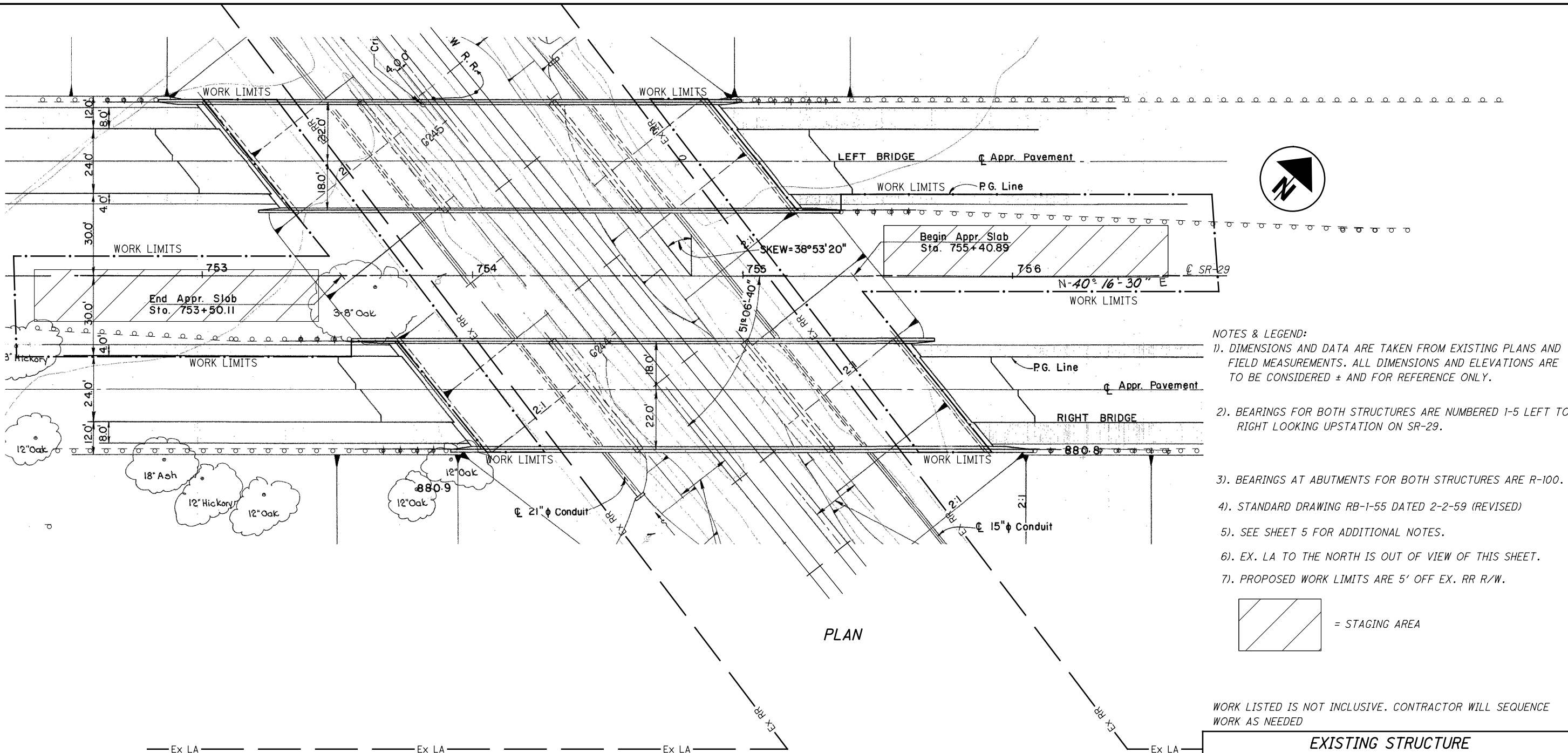
PROFILE

EXISTING STRUCTURE	
TYPE: CONTINUOUS STEEL BEAM WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE	
SPANS: 43'-9", 62'-6", 53'-6", 37'-6" C/C BEARINGS	
ROADWAY: 98'-6" T/T PARAPET (16' CONC. MEDIAN)	
LOADING: CF 2000 (57)	
SKEW: 23°-30'-00" RT. FORWARD	
APPROACH SLABS: AS-1-67 (25' LONG)	
ALIGNMENT: TANGENT	
CROWN: 3/16" /FT	
STRUCTURAL FILE NUMBER: 1205617	
DATE BUILT: 1971	
DISPOSITION: TO BE REPAIRED	

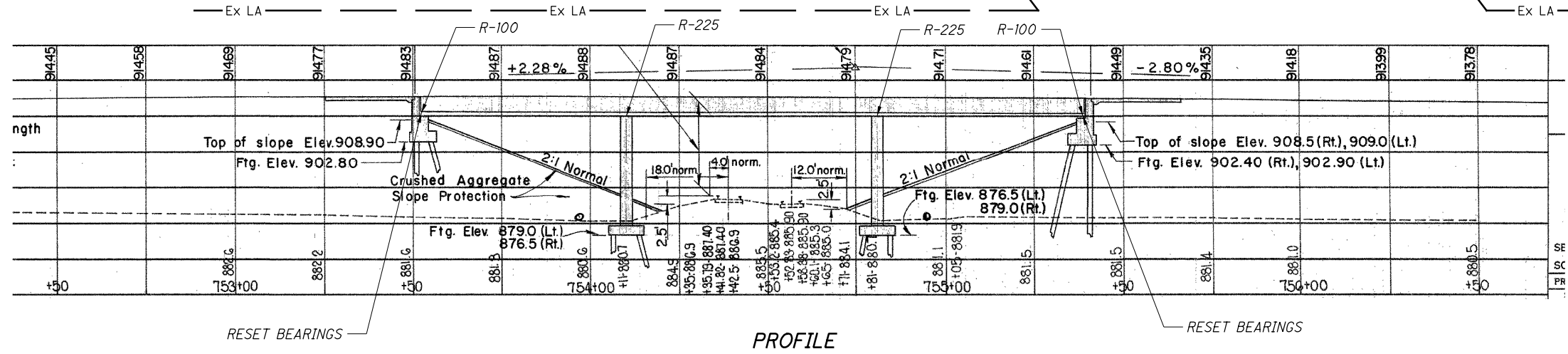
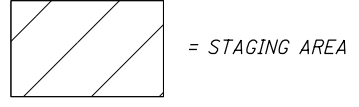
PROPOSED WORK	
1). RESET BEARING #8 AT FORWARD ABUTMENT	
2). RESET BEARINGS #3, #5, #6, AT REAR ABUTMENT	
3). RESET BEARING #9, #13 AT REAR PIER	

DESIGN AGENCY ODOT - DISTRICT 7 ENGINEERING	DATE 10/01/19	STRUCTURE FILE NUMBER 1205617
REVIEWED MRB	DRAWN PUB	REVISOR XXX
DESIGNED REB	CHECKED DHG	
CLARK COUNTY STA. 658+12.85 STA. 660+15.00	SITE PLAN BRIDGE NO. : CLA-334-0099 S.R. 334 OVER S.R. 72	
D07 BH FY20(B)	PID No. 105417	
1 / 1		49 / 67

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- NOTES & LEGEND:**
- 1). DIMENSIONS AND DATA ARE TAKEN FROM EXISTING PLANS AND FIELD MEASUREMENTS. ALL DIMENSIONS AND ELEVATIONS ARE TO BE CONSIDERED ± AND FOR REFERENCE ONLY.
 - 2). BEARINGS FOR BOTH STRUCTURES ARE NUMBERED 1-5 LEFT TO RIGHT LOOKING UPSTATION ON SR-29.
 - 3). BEARINGS AT ABUTMENTS FOR BOTH STRUCTURES ARE R-100.
 - 4). STANDARD DRAWING RB-1-55 DATED 2-2-59 (REVISED)
 - 5). SEE SHEET 5 FOR ADDITIONAL NOTES.
 - 6). EX. LA TO THE NORTH IS OUT OF VIEW OF THIS SHEET.
 - 7). PROPOSED WORK LIMITS ARE 5' OFF EX. RR R/W.



EXISTING STRUCTURE

TYPE: CONTINUOUS STEEL BEAM WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE
 SPANS: 57'-0", 71'-0", 57'-0" C/C BEARINGS
 ROADWAY: 2 AT 40'-0" F/F PARAPETS
 LOADING: HS 20-44
 SKEW: 38°53'-20" RIGHT FORWARD
 APPROACH SLABS: AS-1-67 (25' LONG)
 ALIGNMENT: TANGENT
 CROWN: 3/16" / FT
 STRUCTURAL FILE NUMBER: 5400341/5400325
 DATE BUILT: 7/1/1971
 DISPOSITION: TO BE REPAIRED

PROPOSED WORK

- 1). RESET BEARINGS #1-#5 REAR ABUTMENT LEFT STRUCTURE
- 2). RESET BEARINGS #1-#5 FWD ABUTMENT LEFT STRUCTURE
- 3). RESET BEARINGS #1-#5 REAR ABUTMENT RIGHT STRUCTURE
- 4). RESET BEARINGS #1-#5 FWD ABUTMENT RIGHT STRUCTURE

DESIGN AGENCY	ODOT - DISTRICT 7
ENGINEERING	
DATE	10/1/19
REVIEWED	MRB
STRUCTURE FILE NUMBER	5400341/5400325
DRAWN	REB
CHECKED	DHG
DESIGNED	
MERCER COUNTY	
STA. 753+50.11	
STA. 755+40.89	
SITE PLAN	
BRIDGE NO. :	MER-029-1429 L&R
S.R. 29 OVER R.J. CORMAN RAILROAD	
D07 BH FY20(B)	
PID No. 105417	
1 / 1	
50	
67	



DESIGN AGENCY
ODOT - DISTRICT 7
ENGINEERING

DATE
11/15/19

REVIEWED
MRB

STRUCTURE FILE NUMBER
5501504

DRAWN
PUB

DESIGNED
REB

CHECKED
DHG

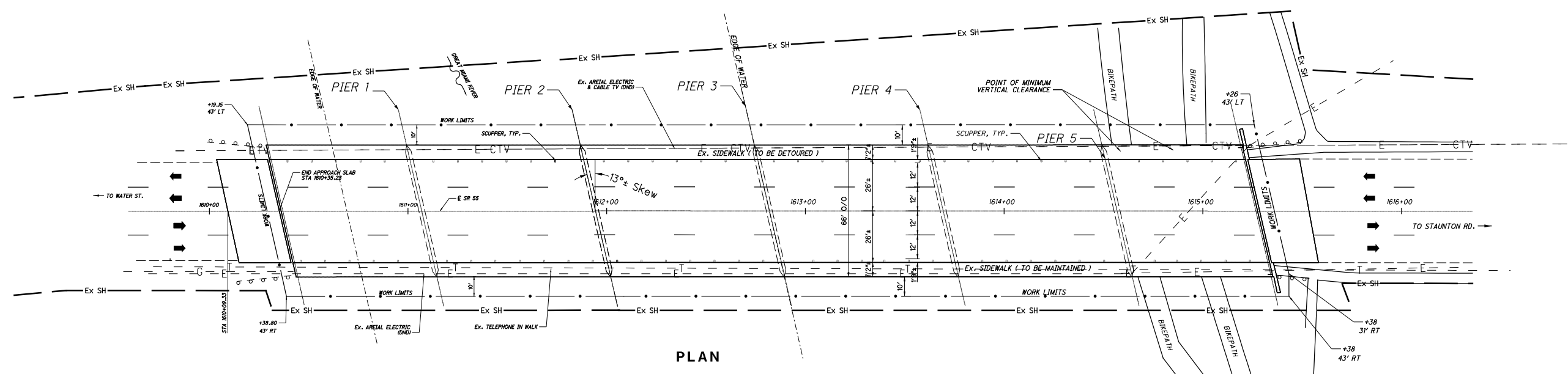
REVISED
XXX

MIAMI COUNTY
STA. 1610+35.23
STA. 1615+28.61

SITE PLAN
BRIDGE NO. : MIA-055-1183
S.R. 55 OVER GREAT MIAMI RIVER

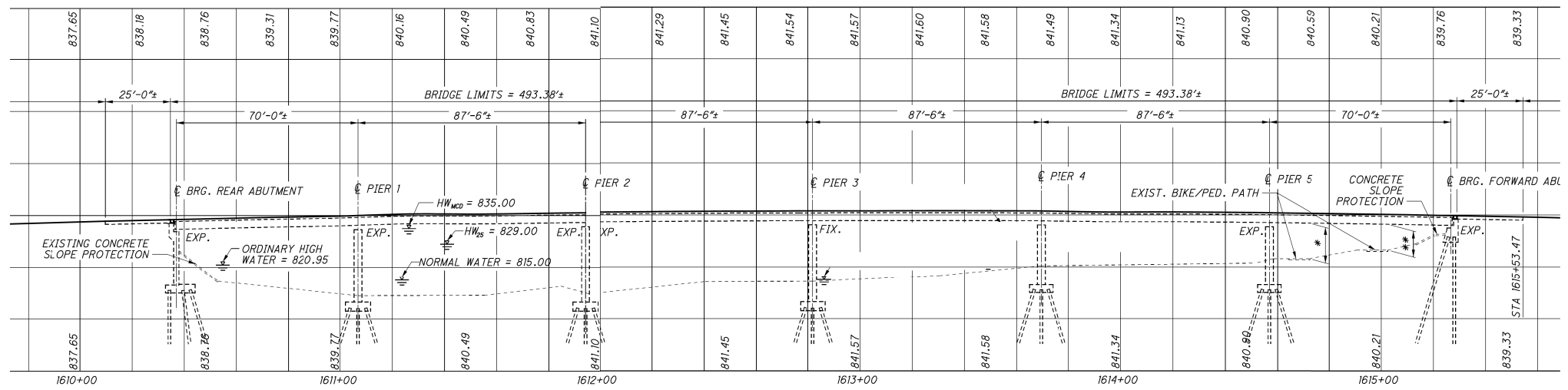
D07 BH FY20(B)
PID No. 105417

1 / 2
51
67



PLAN

- NOTE:**
- 1). DIMENSIONS AND DATA ARE TAKEN FROM EXISTING PLANS AND FIELD MEASUREMENT. ALL DIMENSIONS AND ELEVATIONS ARE TO BE CONSIDERED ± AND FOR REFERENCE ONLY.
 - 2). BEAMS ARE NUMBERED 1-10 LEFT TO RIGHT LOOKING UPSTATION OF SR-55.
 - 3). ALL BEAMS ARE 36-WF-230.
 - 4). STANDARD DRAWINGS CSB-2-56 DATED 2-2-59 (REVISED)
 - 5). STANDARD DRAWINGS RB-1-55 DATED 2-2-59 (REVISED)
 - 6). SEE SHEET 5 FOR ADDITIONAL NOTES.
 - 7). REPAIR WORK AT PIERS 2-4 TO BE ACCESSED USING EQUIPMENT STATIONED ON TOP OF THE BRIDGE DECK THAT CAN REACH UNDER THE DECK FROM OVER THE EDGE.



PROFILE

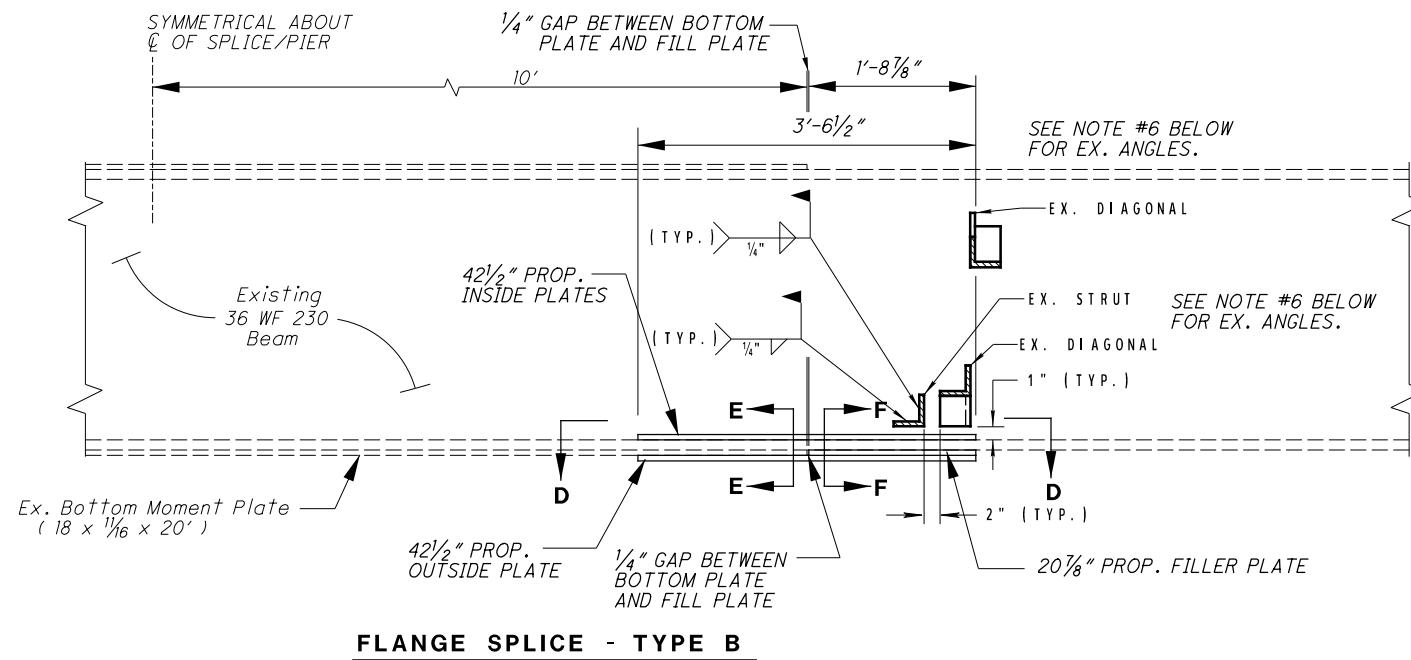
WORK LISTED IS NOT INCLUSIVE. CONTRACTOR WILL SEQUENCE WORK AS NEEDED.

EXISTING STRUCTURE	
TYPE: CONTINUOUS STEEL BEAM WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE	
SPANS: 70'± - 87.5'± - 87.5'± - 87.5'± - 87.5'± - 70'±	
ROADWAY: 52'-0"± F/F CURB	
LOADING: HS-20	
SKEW: 13° 00' 00" RF	
APPROACH SLABS: AS-1-54 (25'± LONG)	
ALIGNMENT: TANGENT	
CROWN: 3/16"/FT	
STRUCTURAL FILE NUMBER: 5501504	
DATE BUILT: 1961	
DISPOSITION: TO BE REPAIRED	

PROPOSED WORK	
1). REPAIR BEAM FLANGE SECTION LOSS BEAM #5 AT PIERS #2,#3,#4	
2). REPAIR BEAM FLANGE SECTION LOSS BEAM #6 AT PIERS #2,#3,#4	

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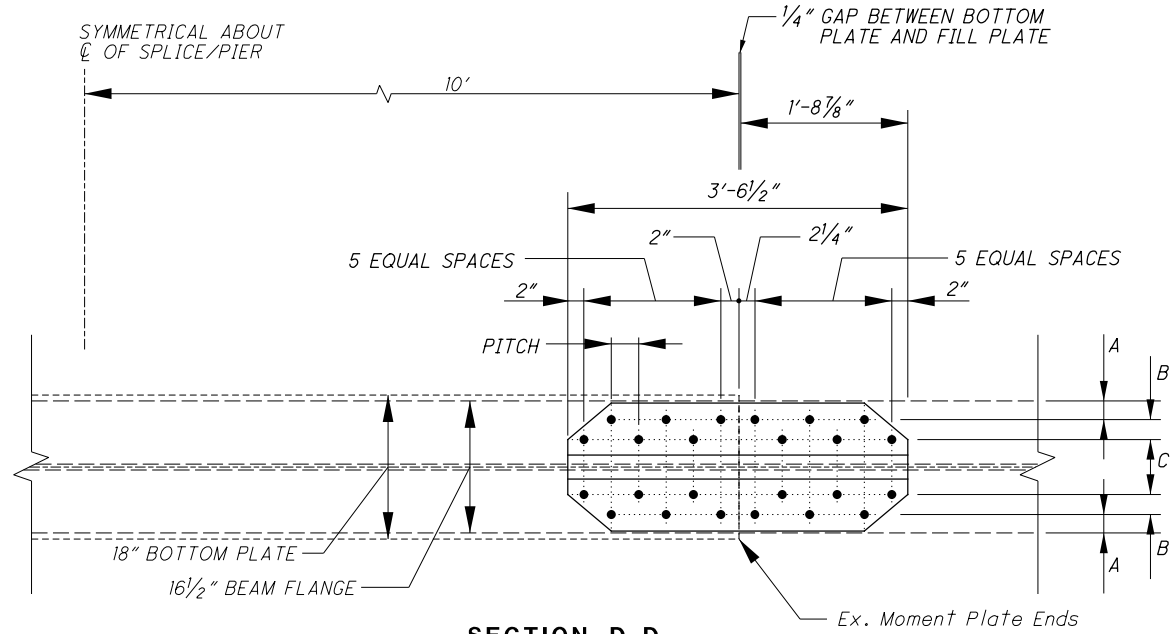
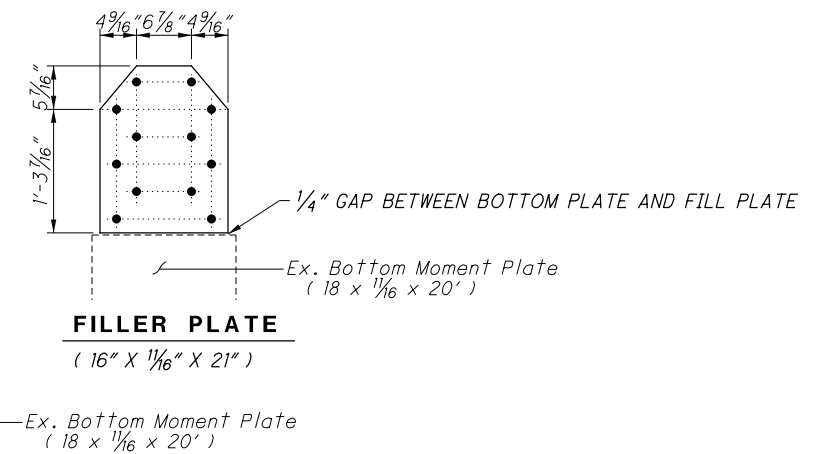
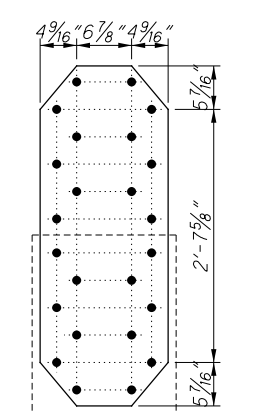
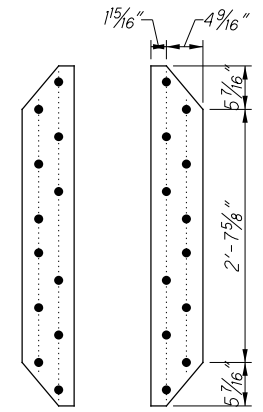


FLANGE SPLICE - TYPE B

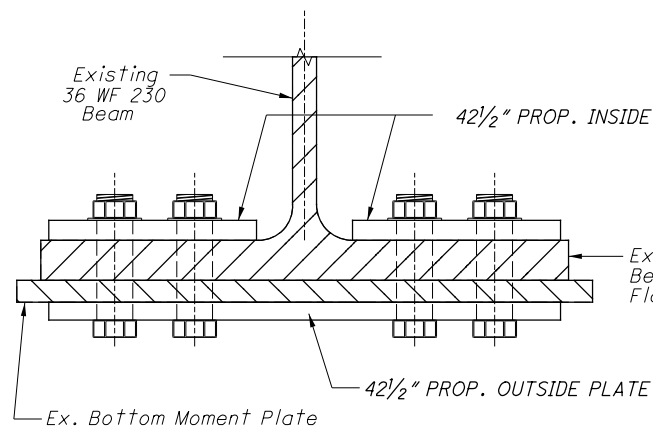
INSIDE PLATES
2 EACH (6 1/2" X 5/8" X 42 1/2")

OUTSIDE PLATE
(16" X 9/16" X 42 1/2")

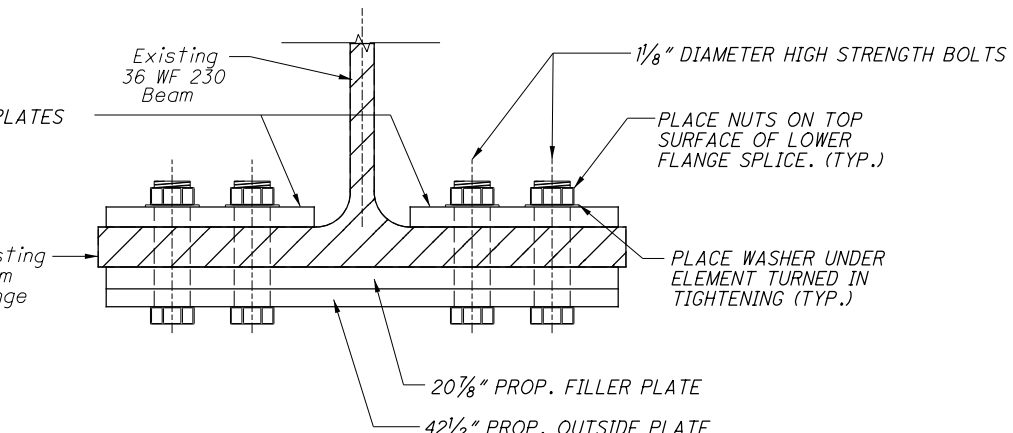
DETAILS ARE NOT TO SCALE



SECTION D-D



SECTION E-E



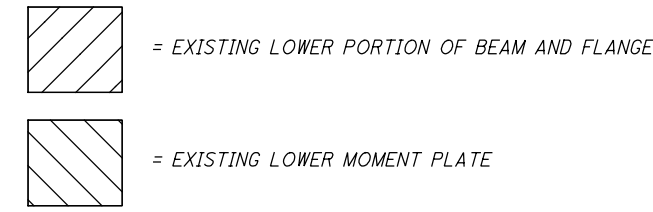
SECTION F-F

FLANGE SPLICE DETAILS											
BEAM #5	PIER	FLANGE PLATES			FLANGE BOLTS			WEIGHT OF SPLICE MAT'RL LBS.			
		OUTSIDE	FILLER	INSIDE	NUMBER	SPACES	PITCH		A	B	C
W36x230	2	2 REQ'D.	2 REQ'D.	4 REQ'D.	24	5	3 3/8"	2 5/8"	2 1/2"	6 7/8"	643.24
W36x230	3	2 REQ'D.	2 REQ'D.	4 REQ'D.	24	5	3 3/8"	2 5/8"	2 1/2"	6 7/8"	643.24
W36x230	4	2 REQ'D.	2 REQ'D.	4 REQ'D.	24	5	3 3/8"	2 5/8"	2 1/2"	6 7/8"	643.24
TOTALS = 1929.72 LBS.											

FLANGE SPLICE DETAILS											
BEAM #6	PIER	FLANGE PLATES			FLANGE BOLTS			WEIGHT OF SPLICE MAT'RL LBS.			
		OUTSIDE	FILLER	INSIDE	NUMBER	SPACES	PITCH		A	B	C
W36x230	2	2 REQ'D.	2 REQ'D.	4 REQ'D.	24	5	3 3/8"	2 5/8"	2 1/2"	6 7/8"	643.24
W36x230	3	2 REQ'D.	2 REQ'D.	4 REQ'D.	24	5	3 3/8"	2 5/8"	2 1/2"	6 7/8"	643.24
W36x230	4	2 REQ'D.	2 REQ'D.	4 REQ'D.	24	5	3 3/8"	2 5/8"	2 1/2"	6 7/8"	643.24
TOTALS = 1929.72 LBS.											

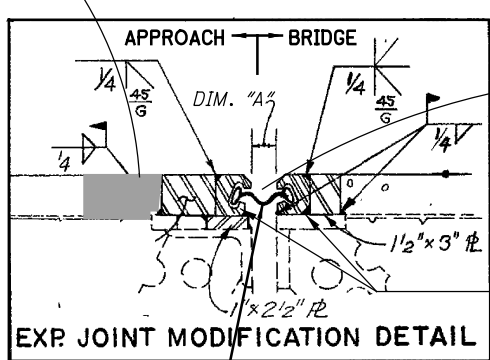
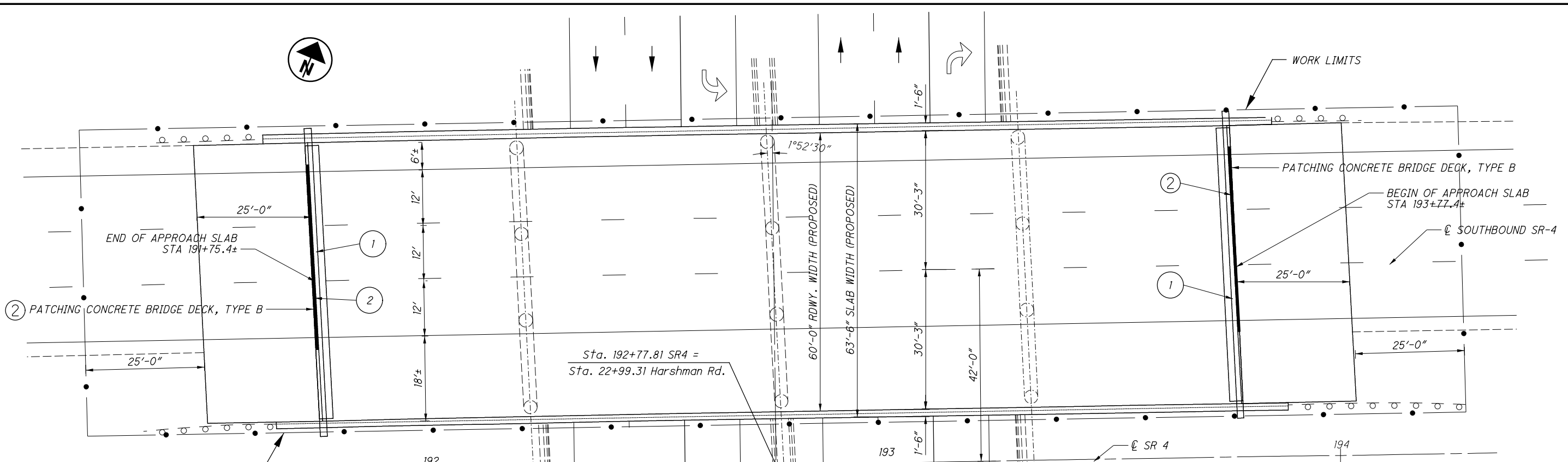
NOTES AND SYMBOLS

1. ALL FASTENERS ARE 1/8" DIAMETER HIGH STRENGTH BOLTS CONFORMING TO ASTM A-325.
2. ALL BOLTS SHALL BE PLACED IN A STAGGERED PATTERN AS SHOWN.
3. ALL SHAPES AND PLATES SHALL BE DESIGNATED (CVN), AND SHALL MEET SPECIFIED MINIMUM NOTCH TOUGHNESS REQUIREMENTS AS SPECIFIED IN 711.01 OF CMS.
4. APPLICATION SHOWN IS FOR ONE END OF THE MOMENT PLATE, THE OTHER END SHALL BE TREATED THE SAME. A TOTAL OF (12) MOMENT PLATE ENDS SHALL BE REPAIRED, ALONG BEAM #5 and #6 OVER PIERS 2,3, AND 4.
5. TABULATED WEIGHTS ARE APPROXIMATE AND ARE FOR ESTIMATING PURPOSES ONLY. THEY INCLUDE AND ALLOWANCE FOR WEIGHT OF BOLTS AND WASHERS.
6. ANY CROSSFRAME ANGLE FOUND TO CONFLICT THE INSTALLATION OF THE PLATES AND BOLTS SHALL BE REMOVED AND REINSTALLED. GRIND WELDS SMOOTH AND REPAIR DAMAGED PAINT. THERE ARE 4 EXPECTED CONFLICT LOCATIONS. PAYMENT FOR THE RELOCATION OF EXISTING CROSS FRAME ANGLES TO BE INCLUDED WITH ITEM 513-STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN



DESIGN AGENCY: ODOT - DISTRICT 7 ENGINEERING
 DATE: 11/15/19
 REVIEWED: MRB
 DRAWN: MRB
 CHECKED: DHG
 STRUCTURE FILE NUMBER: 5501504
 REVISIONS: XXX
 BEAM FLANGE SPLICE DETAIL
 BRIDGE No. MIA-55-1183
 S.R. -55 OVER THE GREAT MIAMI RIVER
 D07-BH-FY20(B)
 PID No. 105417
 2 / 2
 52 / 67

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JOINT MEASURED @ 60° F

STRUCTURE	DIM. "A"
MOT-4-2050L (REAR JOINT)	3.0"
MOT-4-2050L (FWD. JOINT)	2.05"

REF #	DIMENSIONS	QUAN.
①	62.5'	62.5'
①	62.5'	62.5'
②	(2'x38'/9)x2	6.8 SY.

- NOTE:
- DIMENSIONS AND DATA ARE TAKEN FROM EXISTING PLANS AND FIELD MEASUREMENTS. ALL DIMENSIONS AND ELEVATIONS ARE TO BE CONSIDERED ± AND FOR REFERENCE ONLY.
 - PROPOSED GLAND SHALL BE 4" FROM WATSON-BOWMAN, PER STANDARD DRAWING EXJ-4-87 DATED 1-5-89 (REVISED)
 - THE STRIP SEAL GLAND MUST BE INSTALLED CONTINUOUSLY AND IN ONE PIECE.
 - CONCRETE PATCHING MAXIMUM DEPTH OF 6".
 - LA R/W IS OUTSIDE OF VIEW.
 - BALLOONS COINSIDE WITH PROPOSED WORK.

WORK LISTED IN NOT INCLUSIVE. CONTRACTOR WILL SEQUENCE WORK AS NEEDED.

EXISTING STRUCTURE

TYPE: CONTINUOUS CONCRETE SLAB WITH SUBSTRUCTURE

SPANS: 44'-0" - 55'-0" - 55'-0" - 44'-0"

ROADWAY: 42'-0" F/F SAFETY CURB

LOADING: CF2000(51)

SKEW: 1°-52'-30" R.F.

APPROACH SLABS: AS-1-54 (25' LONG)

ALIGNMENT: TANGENT

CROWN: 0.016

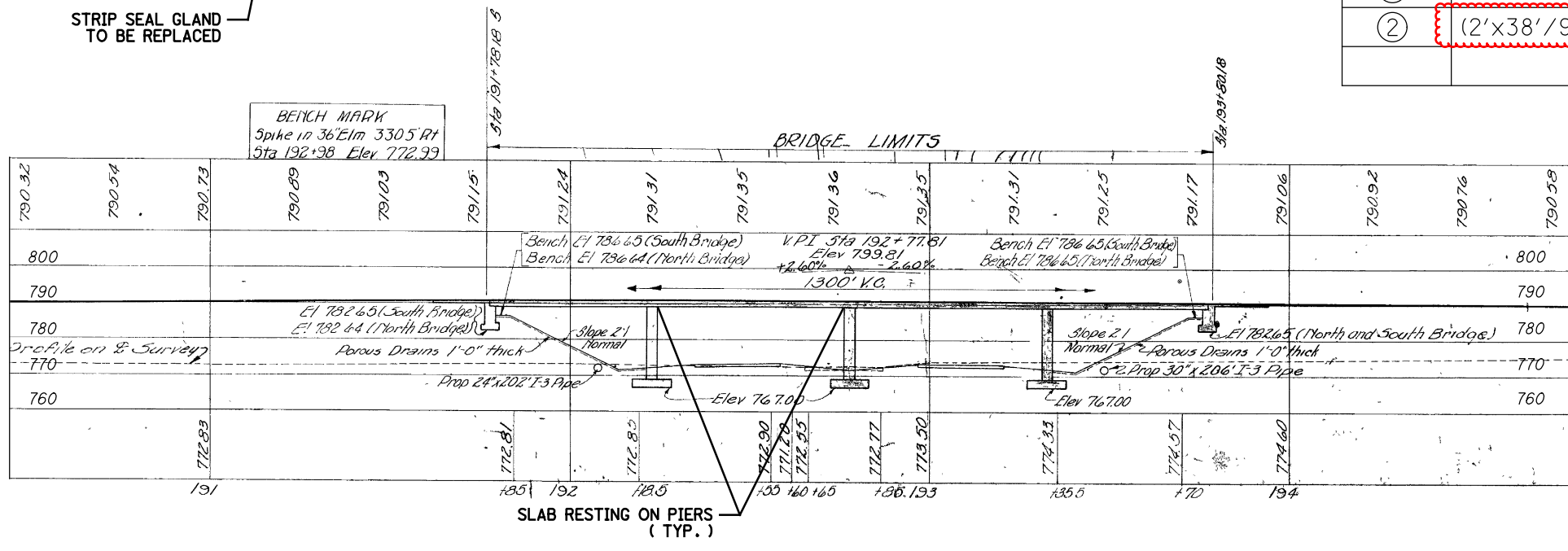
STRUCTURAL FILE NUMBER: 5700906

DATE BUILT: 7/1/1959

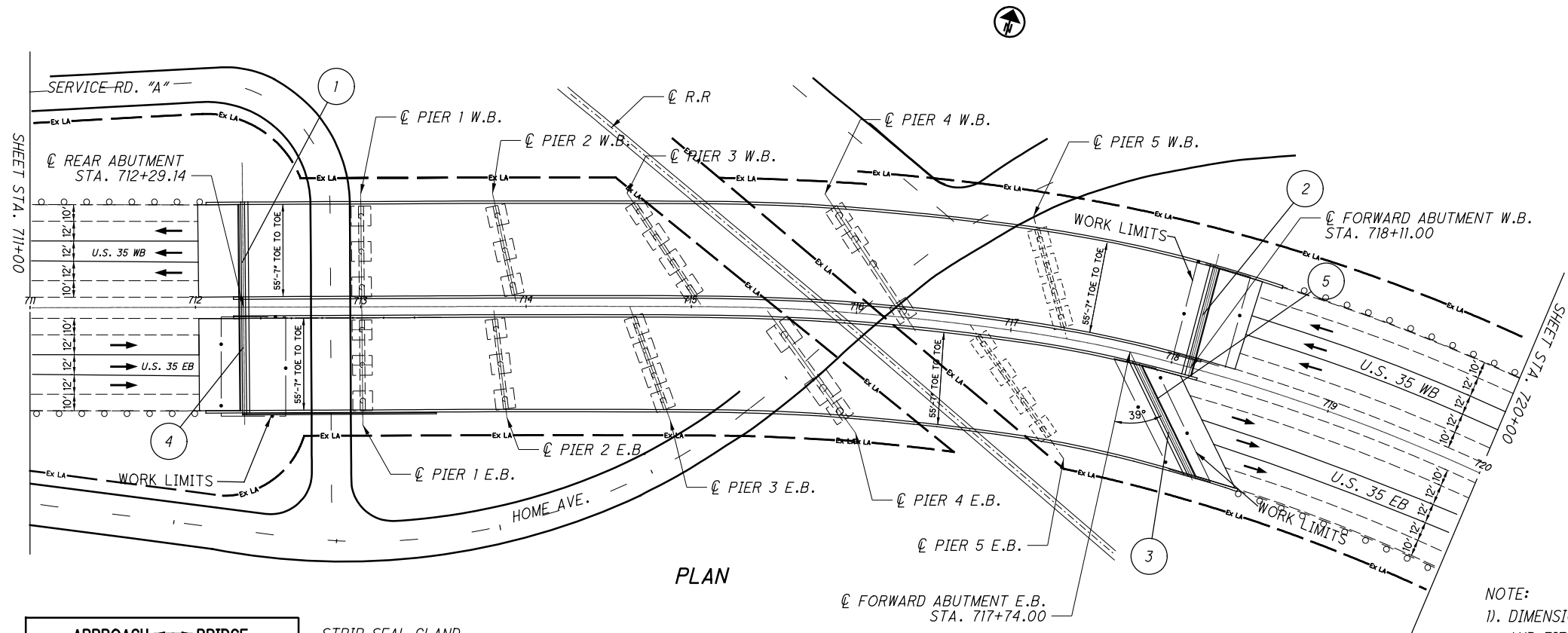
DISPOSITION: TO BE REPAIRED

PROPOSED WORK

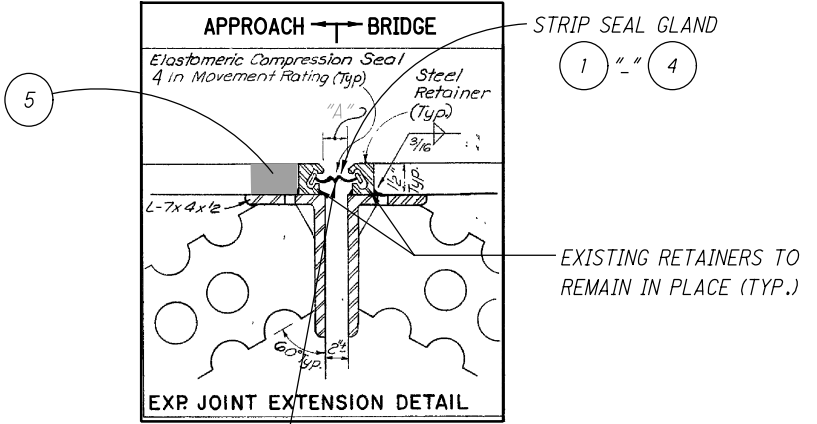
- REPLACE EX. WATSON-BOWMAN STRIP SEAL GLANDS AT FORWARD AND REAR BRIDGE JOINTS. (62'-6" EACH)
- ITEM 519 - PATCHING CONCRETE BRIDGE DECK - TYPE B



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PLAN



JOINT DETAIL

JOINT MEASURED @ 30° F

STRUCTURE	DIM. "A"
MOT-35-1395L (FWD. JOINT)	2.0"
MOT-35-1395L (REAR JOINT)	2.0"
MOT-35-1395R (FWD. JOINT)	2.25"
MOT-35-1395R (REAR JOINT)	2.0"

REF. IN PLAN VIEW

REF #	DIMENSIONS	QUAN.
①	57'-7"	57.58'
②	57'-7"	57.58'
③	77'-0"	77'
④	57'-7"	57.58'
⑤	2'x38' / 9	8.4 SY.

- NOTE:
- 1). DIMENSIONS AND DATA ARE TAKEN FROM EXISTING PLANS AND FIELD MEASUREMENTS. ALL DIMENSIONS AND ELEVATIONS ARE TO BE CONSIDERED ± AND FOR REFERENCE ONLY.
 - 2). PROPOSED GLAND SHALL BE 4" FROM WATSON-BOWMAN, PER STANDARD DRAWING EXJ-4-87 DATED 1-5-89 (REVISED)
 - 3). CONCRETE PATCHING MAXIMUM DEPTH OF 6"
 - 4). BALLOONS ON JOINT DETAIL COINCIDE WITH PROPOSED WORK

WORK LISTED IS NOT INCLUSIVE. CONTRACTOR WILL SEQUENCE WORK AS NEEDED.

EXISTING STRUCTURE

TYPE: CONTINUOUS COMPOSITE STEEL PLATE GIRDER (A572) WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE

SPANS: WEST BOUND: 72.00'-94.58'-112.56'-123.76'-98.40'-76.78'
 EAST BOUND: 72.00'-80.08'-83.00'-82.56'-123.31'-100.13'

ROADWAY: 2 AT 56'-0" T/T OF PARAPETS

LOADING: HS 20-44 (CASE II) AND ALTERNATE MILITARY LOADING

SKEW: VARIES, SEE PLAN

APPROACH SLABS: AS-1-81, 25' LONG

ALIGNMENT: SPIRAL TO TANGENT TO SPIRAL TO CROWN: WHERE APPLICABLE, 0.0156' / FT.

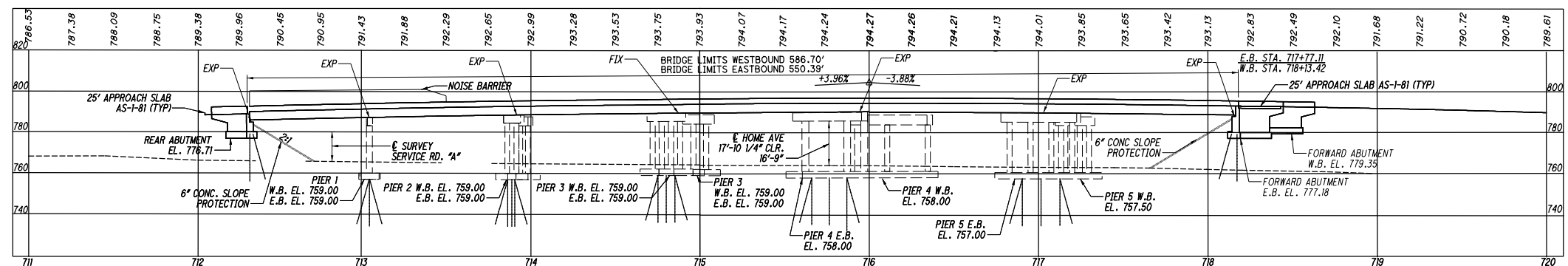
STRUCTURAL FILE NUMBER: 5701600 & 5701619

DATE BUILT: 7/1/1996

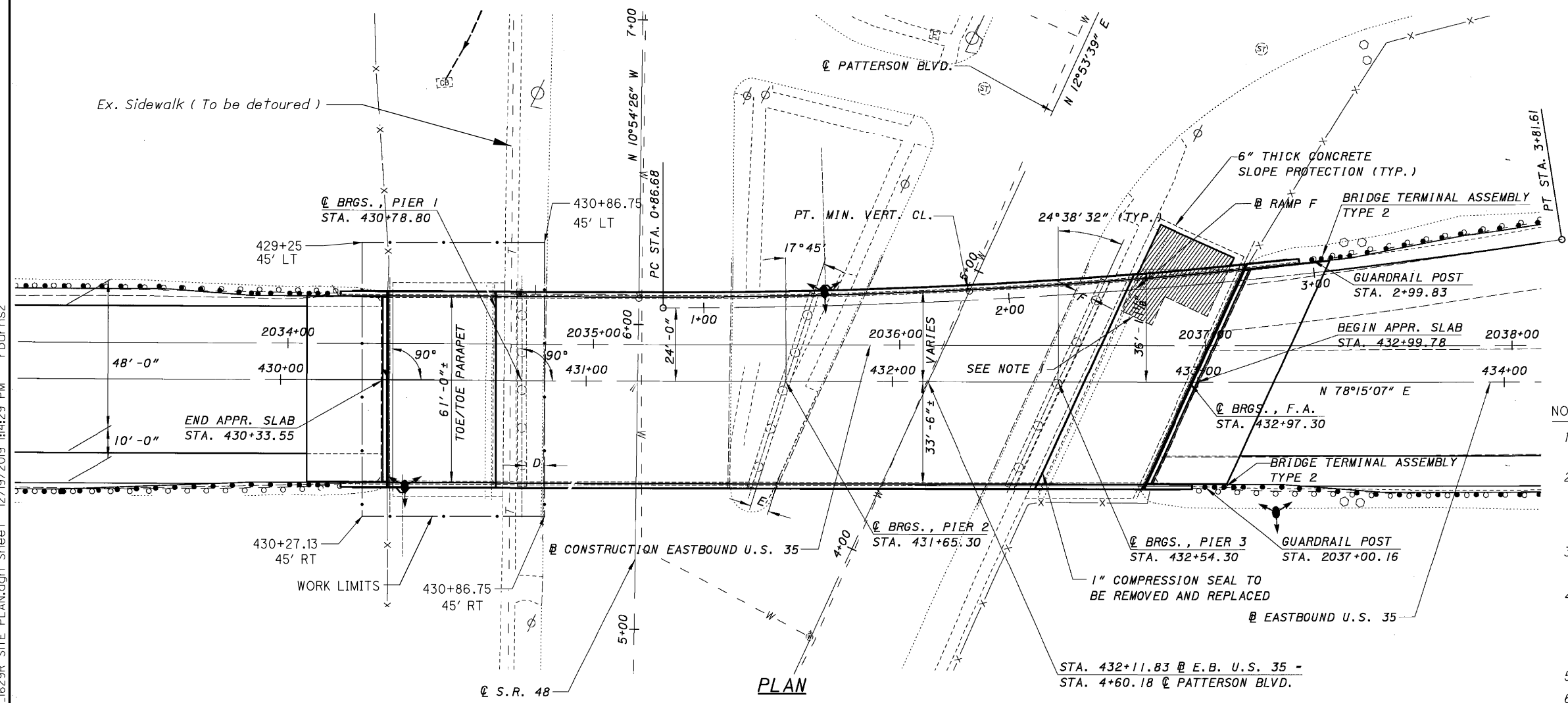
DISPOSITION: TO BE REPAIRED

PROPOSED WORK

- 1). REPLACE EX. D.S. BROWNS SEAL GLAND AT FORWARD/REAR EXPANSION JOINTS LEFT. (REAR 57'-7"), (FWD. 57'-7")
- 2). REPLACE EX. D.S. BROWNS SEAL GLAND AT FORWARD/REAR EXPANSION JOINTS RIGHT. (REAR 57'7"), (FWD. 77')
- 3). ITEM 519 - PATCHING CONCRETE BRIDGE DECK- TYPE B

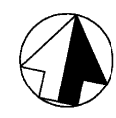


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CURVE DATA RAMP F

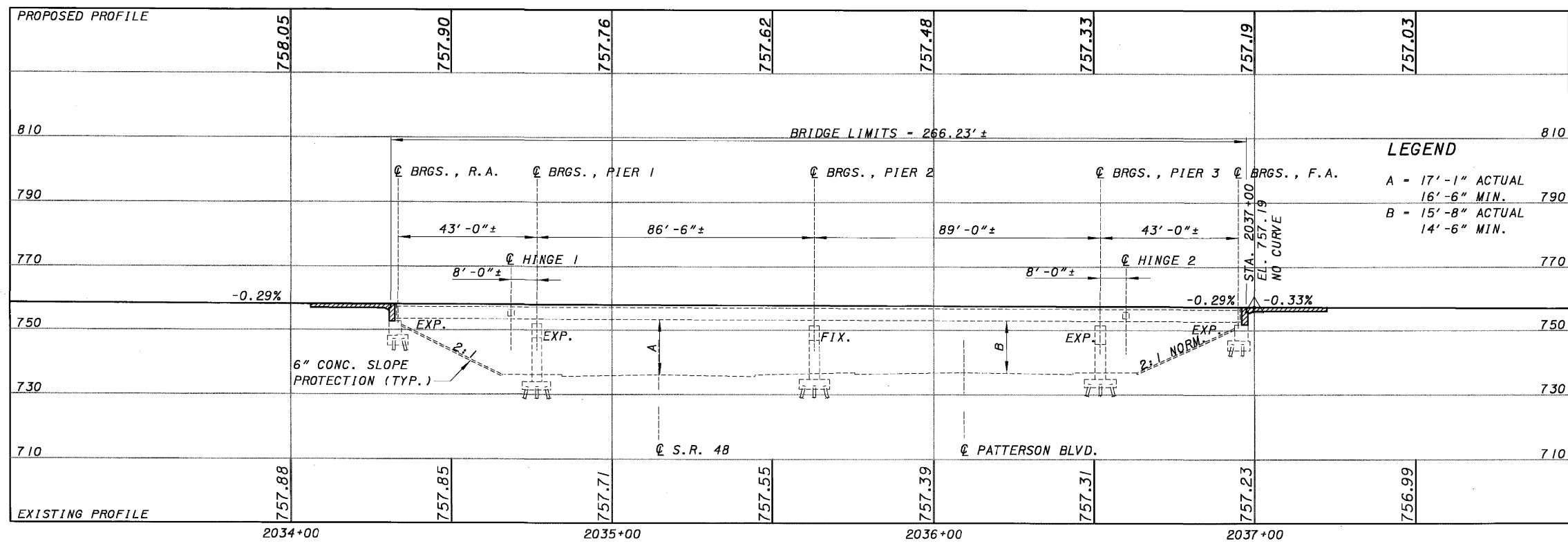
P.I. STA. 2+34.44
 D = 8°50'52" LT.
 D_c = 3°00'00"
 R = 1,909.86'
 T = 147.16'
 L = 294.93'
 E = 5.71'



NOTES:

- 1). LOCATION FALLS WITHIN L/A RIGHT OF WAY FOR US 35, OUT OF VIEW.
- 2). DIMENSIONS AND DATA ARE TAKEN FROM EXISTING PLANS AND FIELD MEASUREMENTS. ALL DIMENSIONS AND ELEVATIONS ARE TO BE CONSIDERED ± AND FOR REFERENCE ONLY.
- 3). BEARINGS ARE NUMBERED 1-9 LEFT TO RIGHT LOOKING UPSTATION US-35.
- 4). REAR ABUTMENT BEARINGS ARE BR-75 AND HAVE ANCHORED BASE PLATES. ANY NECESSARY SHIMS WILL NEED TO BE INSTALLED BETWEEN THE BOTTOM FLANGE AND TOP BEARING PLATE.
- 5). SEE SHEET 5 FOR ADDITIONAL NOTES.
- 6). EX. WALK CLOSED ALONG SR-48, SEE PEDESTRIAN DETOUR SHEET 22.

WORK LISTED IS NOT INCLUSIVE. CONTRACTOR WILL SEQUENCE WORK AS NEEDED.



LEGEND

A = 17'-1" ACTUAL
 16'-6" MIN.
 B = 15'-8" ACTUAL
 14'-6" MIN.

EXISTING STRUCTURE

TYPE: CANTILEVERED TWO SPAN CONTINUOUS WELDED STEEL PLATE GIRDER AND SIMPLE SPAN WELDED STEEL PLATE GIRDER END SPANS WITH REINFORCED CONCRETE DECK AND SUPERSTRUCTURE

SPANS: 43'-0" ±, 86'-0" ±, 89'-0" ±, 43'-0" C/C BEARINGS

ROADWAY: VARIES TOE/TOE PARAPET

LOADING: C.F. = 2000(57)

SKEW: VARIES

APPROACH SLABS: AS-1-81 (25' LONG)

ALIGNMENT: TANGENT

CROWN: 0.016

STRUCTURAL FILE NUMBER: 5702224

DATE BUILT: 1971

DISPOSITION: TO BE REPAIRED

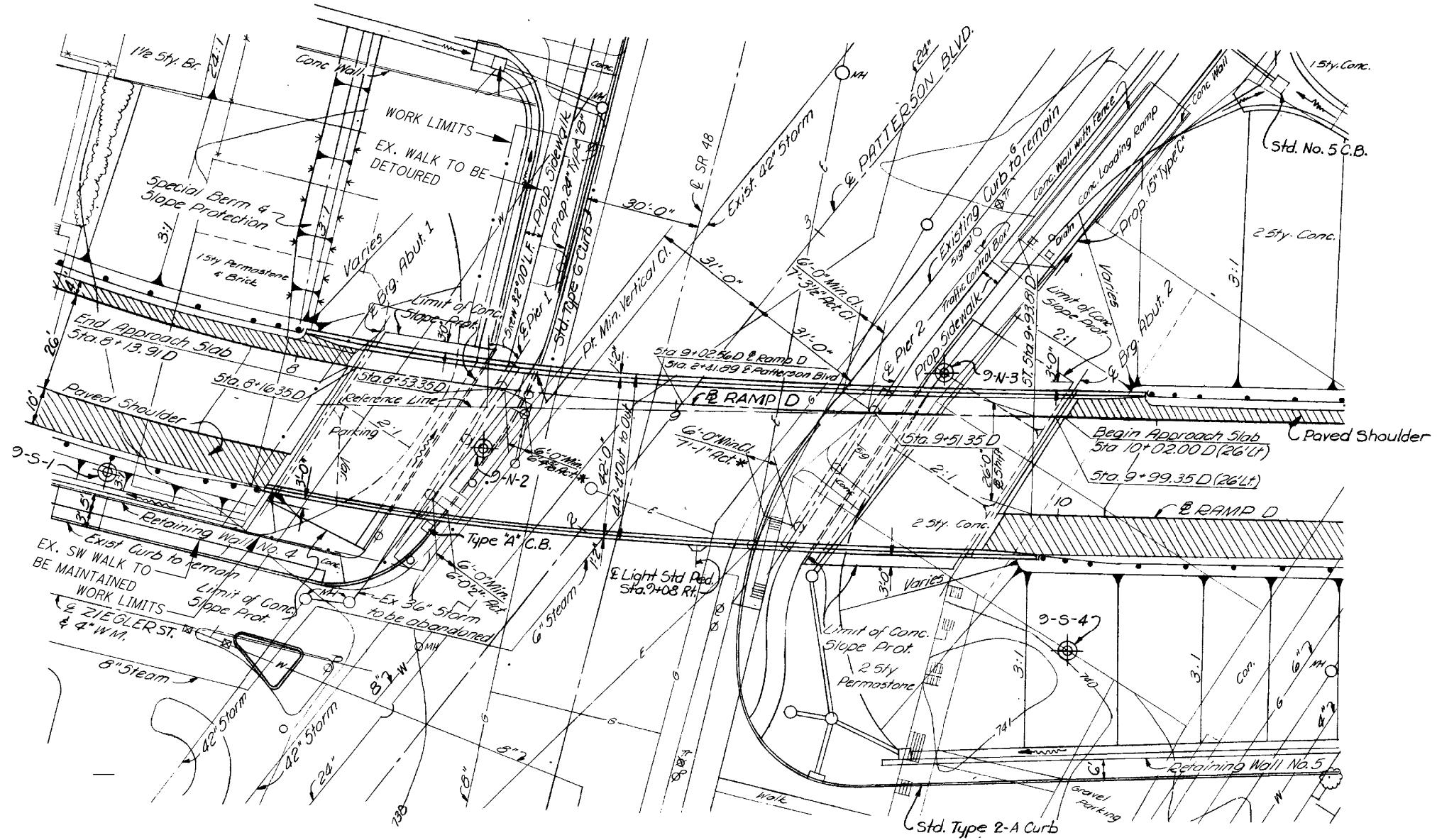
PROPOSED WORK

1). RESET BEARINGS #6 & #7 AT REAR ABUTMENT

PROFILE SHOWN ALONG @ EASTBOUND U.S. 35 (PROFILE ELEVATIONS ALONG @ CONSTRUCTION EASTBOUND U.S. 35)

DESIGNED REB CHKD DHG	DRAWN PUB REVISED XXX	REVIEWED MRB	DATE 10/3/19	DESIGN AGENCY ODOT - DISTRICT 7 ENGINEERING
MONTGOMERY COUNTY STA. 430+33.55 STA. 432+97.30		STRUCTURE FILE NUMBER 5702224		
SITE PLAN		BRIDGE NO.: MOT-035-1629R U.S. 35 OVER S. PATTERSON BLVD. AND S.R. 48		
D07 BH FY20(B)		PID No. 105417		
1 / 1		55 / 67		

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PLAN



- NOTES:
- 1). LOCATION FALLS WITHIN L/A RIGHT OF WAY FOR US 35, OUT OF VIEW.
 - 2). DIMENSIONS AND DATA ARE TAKEN FROM EXISTING PLANS AND FIELD MEASUREMENTS. ALL DIMENSIONS AND ELEVATIONS ARE TO BE CONSIDERED ± AND FOR REFERENCE ONLY.
 - 3). BEARINGS ARE NUMBERED 1-6 LEFT TO RIGHT LOOKING UPSTATION ON RAMP "D".
 - 4). REAR ABUTMENT BEARINGS ARE R-75.
 - 5). STANDARD DRAWING RB-1-55 DATED 2-2-59 (REVISED).
 - 6). SEE SHEET 5 FOR ADDITIONAL NOTES.
 - 7). FOR PEDESTRIAN DETOUR SEE SHEET 22.

WORK LISTED IS NOT INCLUSIVE. CONTRACTOR WILL SEQUENCE WORK AS NEEDED

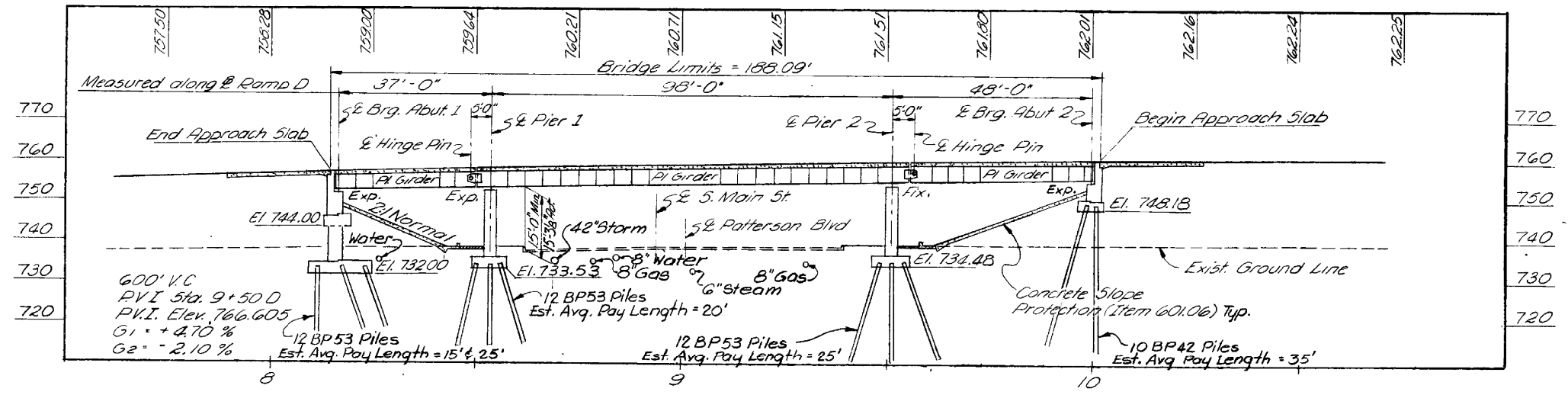
EXISTING STRUCTURE

TYPE: CANTILEVERED WELDED STEEL PLATE GIRDER AND SIMPLE SPAN WELDED STEEL PLATE GIRDER END SPANS WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE.

SPANS: 37'-0", 98'-0", 48'-0" C/C BEARINGS
 ROADWAY: 42'-0" F/F OF PARAPETS
 LOADING: CF-2000(57)
 SKEW: 32° 00' LEFT FORWARD
 APPROACH SLABS: AS-1-54 (25' LONG)
 ALIGNMENT: SPIRAL TO THE LEFT AND TANGENT
 STRUCTURAL FILE NUMBER: 5703646
 DATE BUILT: 7/1/1970
 DISPOSITION: TO BE REPAIRED

PROPOSED WORK

- 1). RESET BEARING #5 REAR ABUTMENT



PROFILE

DESIGN AGENCY
 ODOT - DISTRICT 7
 ENGINEERING

REVIEWED DATE
 MRB 10/3/19
 STRUCTURE FILE NUMBER
 5703646

DRAWN REB
 CHECKED DHG
 DESIGNED REB

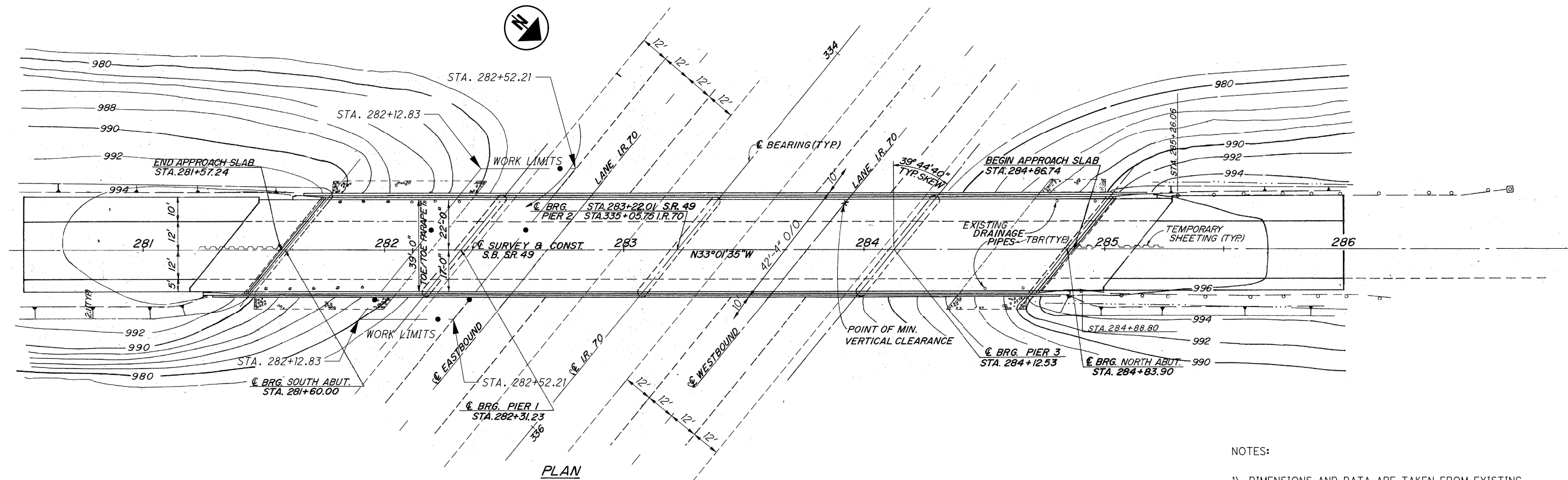
MONTGOMERY COUNTY
 STA. 8+13.91 D
 STA. 10+02.00 D

SITE PLAN
 BRIDGE NO. : MOT-048-1214
 U.S. 35 RAMP "D" OVER S.R. 48

D07 BH FY20(B)
 PID No. 105417

1/1
 56
 67

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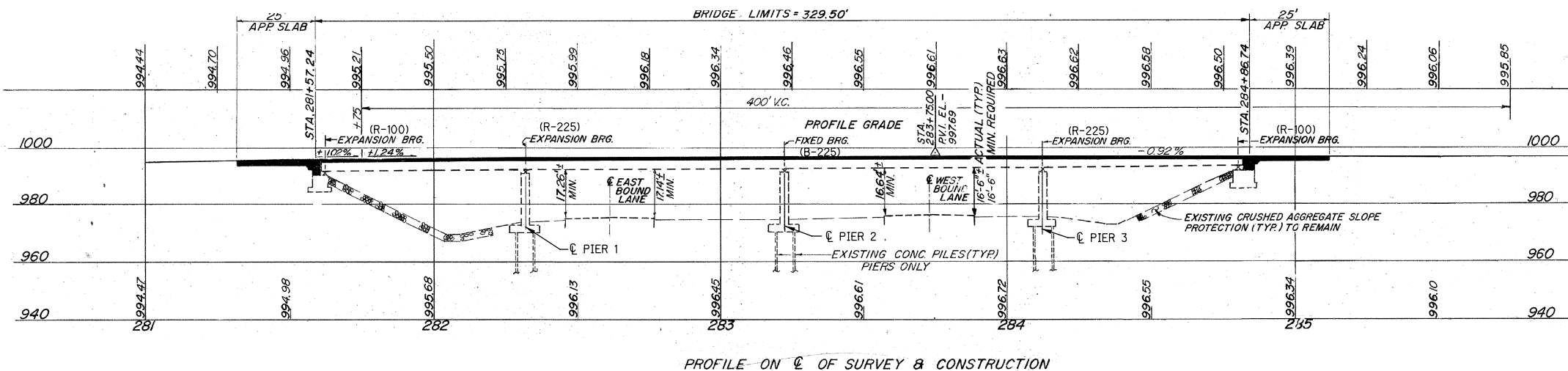


PLAN

NOTES:

- 1). DIMENSIONS AND DATA ARE TAKEN FROM EXISTING PLANS AND FIELD MEASUREMENTS. ALL DIMENSIONS AND ELEVATIONS ARE TO BE CONSIDERED ± AND FOR REFERENCE ONLY.
- 2). BEARINGS ARE NUMBERED 1-6 LEFT TO RIGHT LOOKING UPSTATION SB SR-49.
- 3). PIER 1 BEARINGS ARE R-225.
- 4). STANDARD DRAWING RB-1-55 DATED 3-1-55.
- 5). SEE SHEET 5 FOR ADDITIONAL NOTES.
- 6). R/W LIMITS ARE BEYOND THE VIEW OF THIS LOCATION.

WORK LISTED IS NOT INCLUSIVE. CONTRACTOR WILL SEQUENCE WORK AS NEEDED.



PROFILE ON C OF SURVEY & CONSTRUCTION

EXISTING WORK

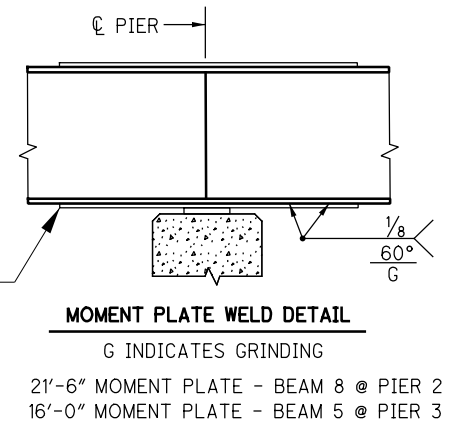
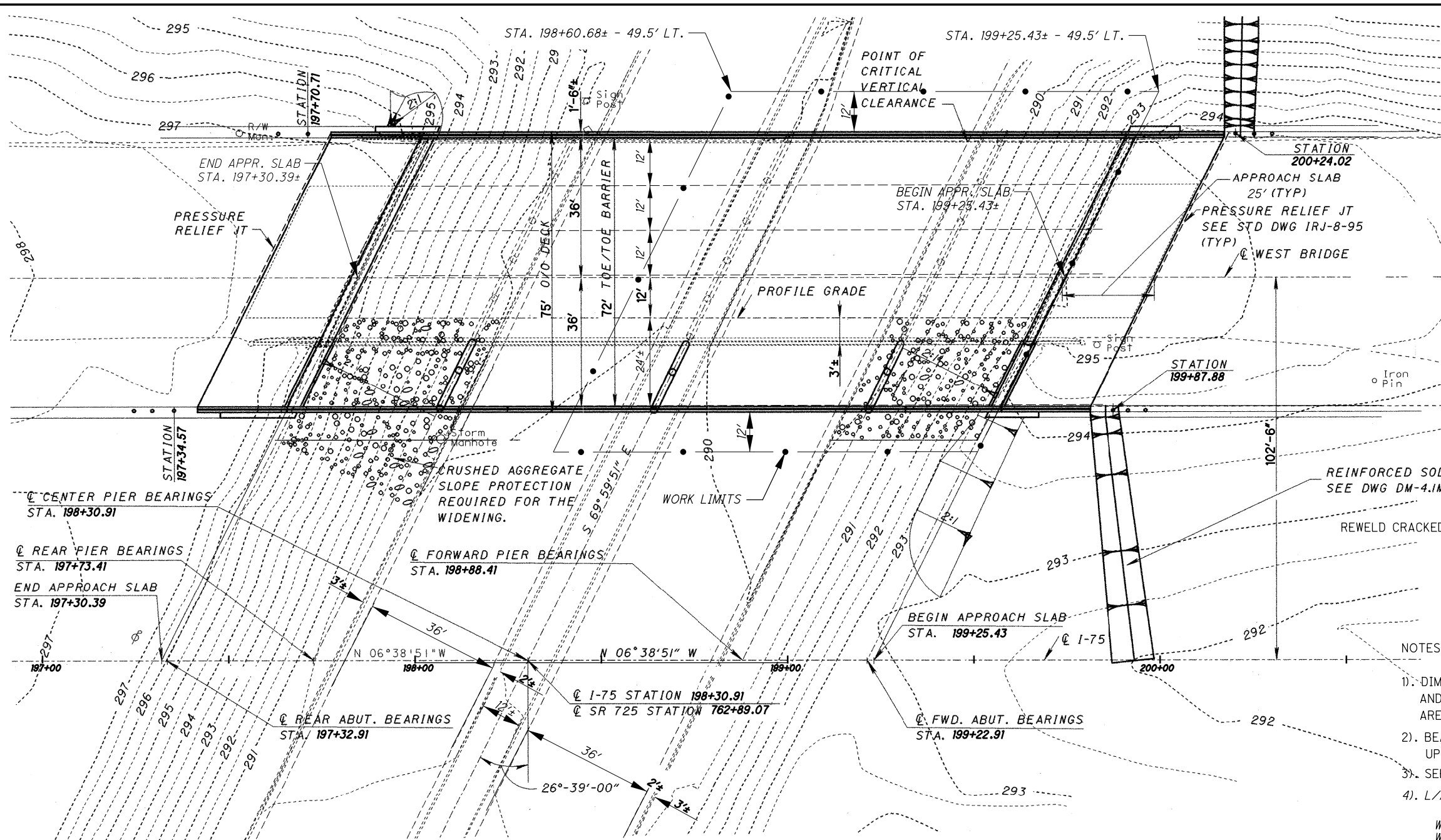
TYPE: CANTILEVERED TWO SPAN CONTINUOUS WELDED STEEL PLATE GIRDER AND SIMPLE SPAN WELDED STEEL PLATE GIRDER END SPANS WITH REIN. CONCRETE DECK AND SUBST.
 SPANS: 43'-0"±, 86'-6"±, 89'-0"±, 43'-0"± C/C BEARINGS
 ROADWAY: VARIES TOE/TOE PARAPET
 LOADING: C.F. = 2000(57)
 SKEW: VARIES
 APPROACH SLABS: AS-1-81 (25' LONG)
 ALIGNMENT: TANGENT
 CROWN: 0.016
 STRUCTURAL FILE NUMBER: 5704502
 DATE BUILT: 7/1/1960
 DISPOSITION: TO BE REPAIRED

PROPOSED WORK

- 1). RESET BEARINGS #6 PIER 1 AT EASTBOUND IR-70.

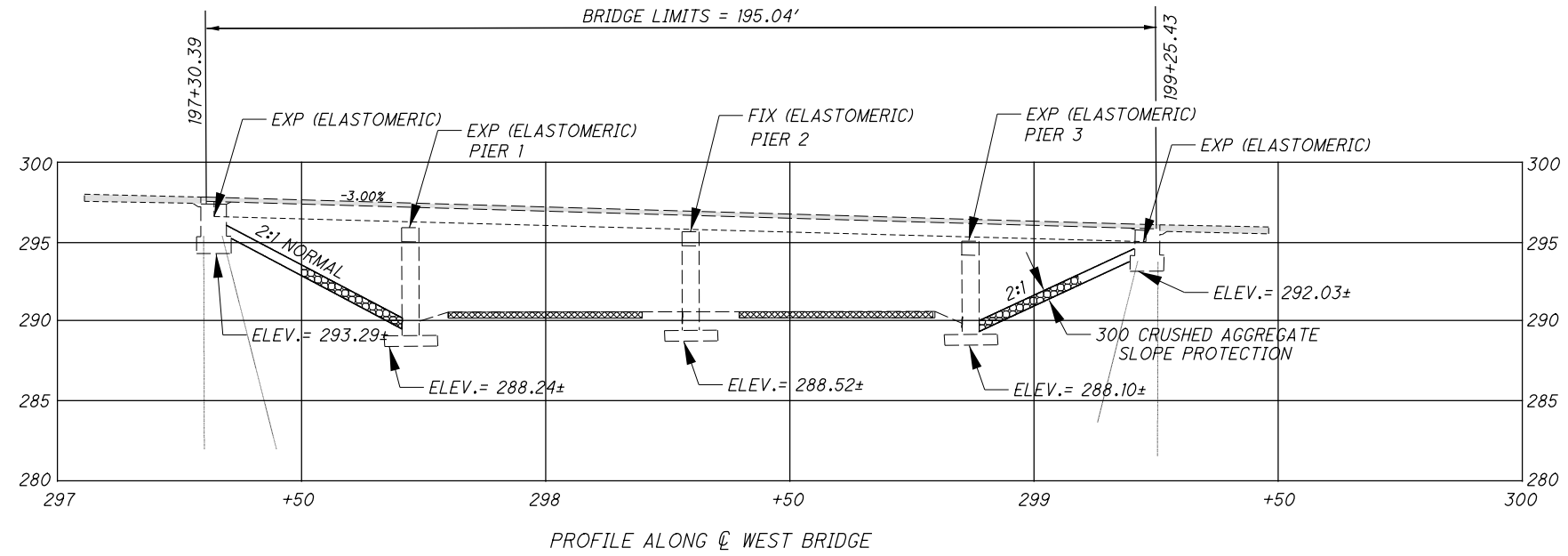
DESIGN AGENCY	ODOT - DISTRICT 7
ENGINEERING	
DATE	10/3/19
REVIEWED	MRB
STRUCTURE FILE NUMBER	5704502
DRAWN	PJB
REVISION	XXX
DESIGNED	REB
CHECKED	DHG
MONTGOMERY COUNTY	STA. 281+57.24
	STA. 284+88.80
SITE PLAN	
BRIDGE NO. :	MOT-049-1091 L
	S.R. 49 OVER I.R. 70
D07 BH FY20(B)	PID No. 105417
	1 / 1
	57
	67

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- NOTES:
- 1). DIMENSIONS AND DATA ARE TAKEN FROM EXISTING PLANS AND FIELD MEASUREMENTS. ALL DIMENSIONS AND ELEVATIONS ARE TO BE CONSIDERED ± AND FOR REFERENCE ONLY.
 - 2). BEAMS ARE NUMBERED 1-11 LEFT TO RIGHT LOOKING UPSTATION IR75.
 - 3). SEE SHEET 5 FOR ADDITIONAL NOTES.
 - 4). L/A R/W IS OUTSIDE THIS VIEW OF IR75/SR725

WORK LISTED IS NOT INCLUSIVE. CONTRACTOR WILL SEQUENCE WORK AS NEEDED.



EXISTING STRUCTURE

TYPE: TWIN CONTINUOUS STEEL BEAM WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE.

SPANS: 46'-6", 57'-6", 57'-6", 34'-6" C/C OF BEARINGS.

ROADWAY: 72'-0" TOE/TOE BARRIERS

LOADING: MS18 (CASE I) AND THE ALTERNATE MILITARY LOADING

SKEW: 26°39'00"

APPROACH SLABS: AS-1-81M (25' LONG)

ALIGNMENT: TANGENT

CROWN: 0.016

STRUCTURAL FILE NUMBER: 5706483

DATE BUILT: 1960

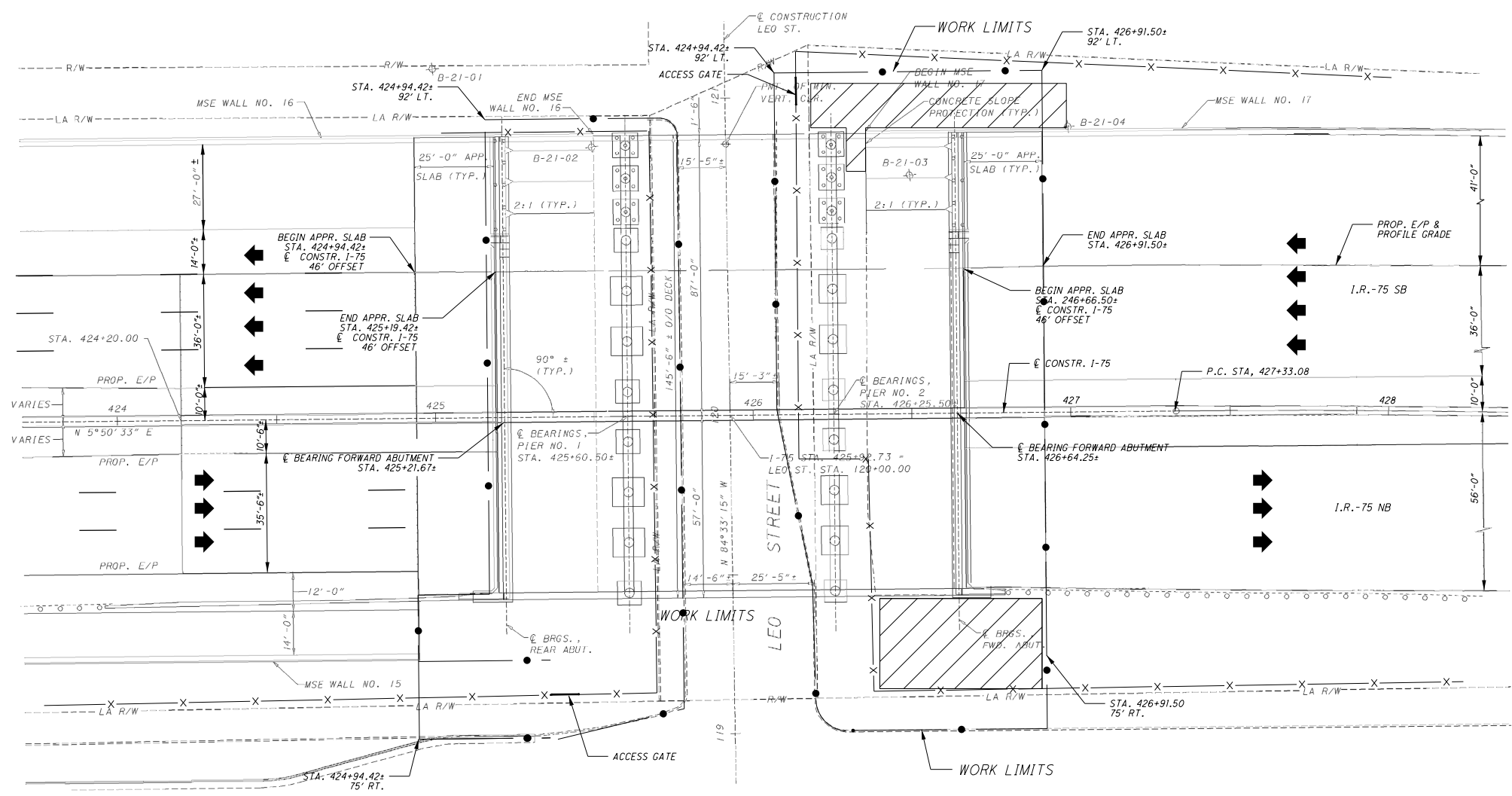
DISPOSITION: TO BE REPAIRED

PROPOSED WORK

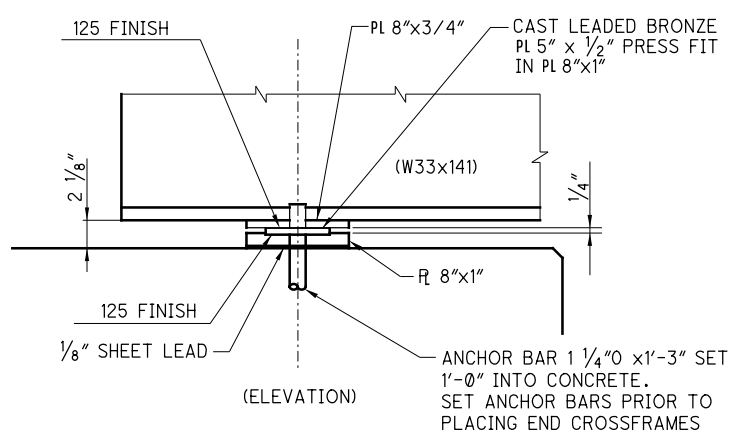
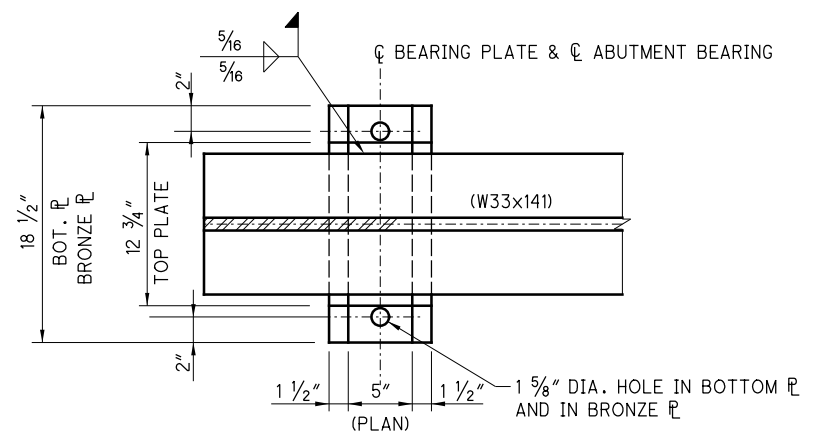
- 1). ITEM 513-STRUCTURAL STEEL, Misc.: REPAIR CRACKED WELDS. (REWELD MOMENT PLATE CRACKED WELDS ON BOTH SIDES OF BEAM #5 AT PIER 3, AND BEAM #8 AT PIER 2.)

DESIGN AGENCY	ODOT - DISTRICT 7
ENGINEERING	
DATE	10/3/19
REVIEWED	MRB
STRUCTURE FILE NUMBER	5706483
DRAWN	PUB
DESIGNED	REB
CHECKED	DHG
MONTGOMERY COUNTY	STA. 197+05.39
	STA. 199+50.43
SITE PLAN	
BRIDGE NO. :	MOT-075-0373 L
	I.R. 75 OVER S.R. 725
D07 BH FY20(B)	PID No. 105417
1/1	
58	
67	

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PLAN



ABUTMENT BEARING PLATES

NOTES:

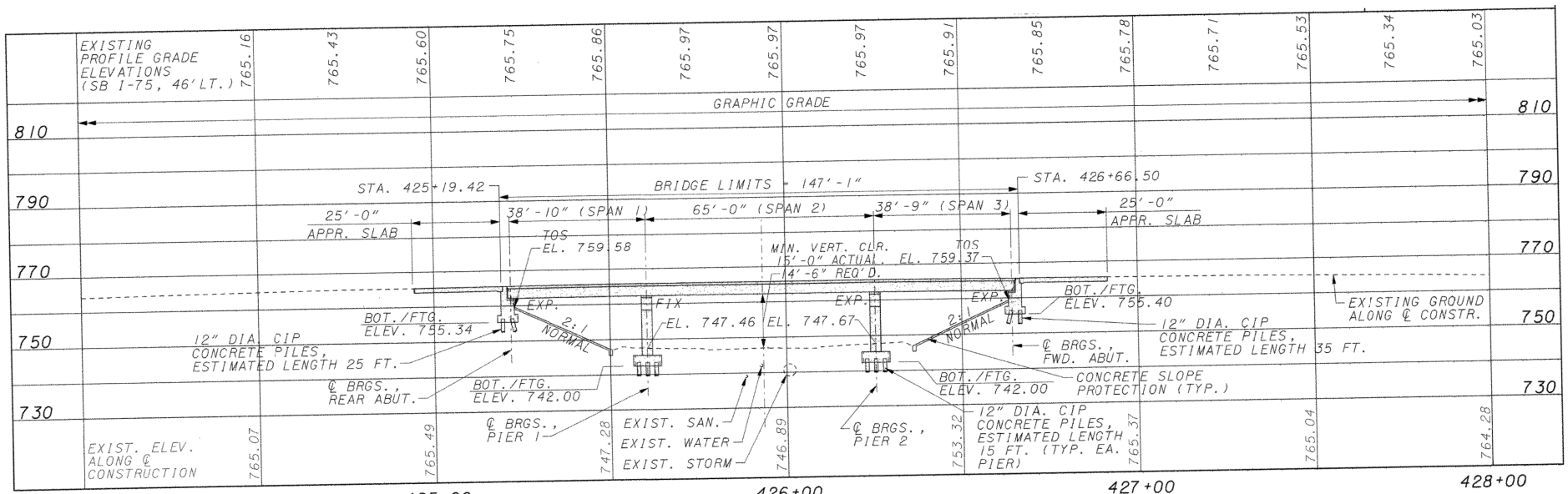
- 1). DIMENSIONS AND DATA ARE TAKEN FROM EXISTING PLANS AND FIELD MEASUREMENTS. ALL DIMENSIONS AND ELEVATIONS ARE TO BE CONSIDERED ± AND FOR REFERENCE ONLY.
- 2). BEARINGS ARE NUMBERED 1-13 LEFT TO RIGHT LOOKING UPSTATION I.R. 75.
- 3). EXISTING ABUTMENT BEARINGS ARE LOW PROFILE EXPANSION BEARINGS.
- 4). SEE SHEET 5 FOR ADDITIONAL NOTES.
- 5). ALL EXISTING WALKS ARE TO BE MAINTAINED.

□ = APPROX. AREAS OF CLEARING AND GRUBBING.
(20'x 40' NE CORNER) (10'x 60' NW CORNER)

WORK LISTED IS NOT INCLUSIVE. CONTRACTOR WILL SEQUENCE WORK AS NEEDED.

EXISTING STRUCTURE	
TYPE: 3 SPAN CONTINUOUS NON-COMPOSITE STEEL BEAMS (ASTM A 709 GR50, PAINTED) WITH REINFORCED CONCRETE DECK, CAP AND COLUMN PIERS, AND STUB ABUTMENTS	
SPANS: 38'-10", 65'-0", 38'-9" C/C BEARINGS	
ROADWAY: 85'-8" (LB), 53'-8" (RB) TOE TO TOE PARAPETS	
LOADING: HS20 (CASE 1) AND THE ALTERNATE MILITARY LOADING	
SKEW: NONE	
APPROACH SLABS: AS-1-81 (25'-0" LONG)	
ALIGNMENT: TANGENT	
CROWN: 0.016 FT/FT	
STRUCTURAL FILE NUMBER: 5708613	
DATE BUILT: 1959	
DISPOSITION: TO BE REPAIRED	

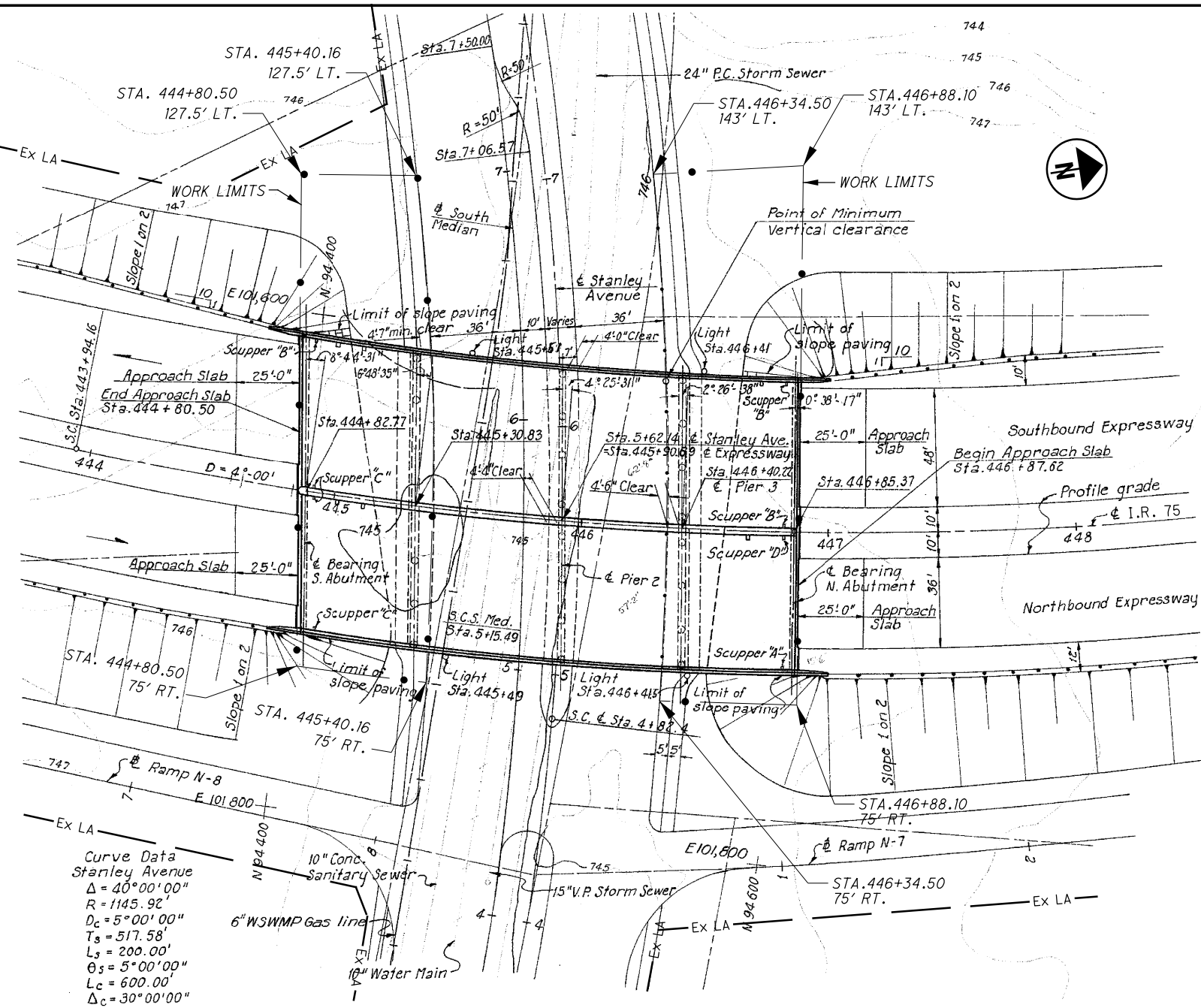
PROPOSED WORK	
1). RESET BEARINGS #1, #6, #7, and #8 REAR ABUTMENT	
2). RESET BEARINGS #1, #4, #5, and #8 FORWARD ABUTMENT	
3). CLEARING AND GRUBBING AT FORWARD ABUTMENT.	



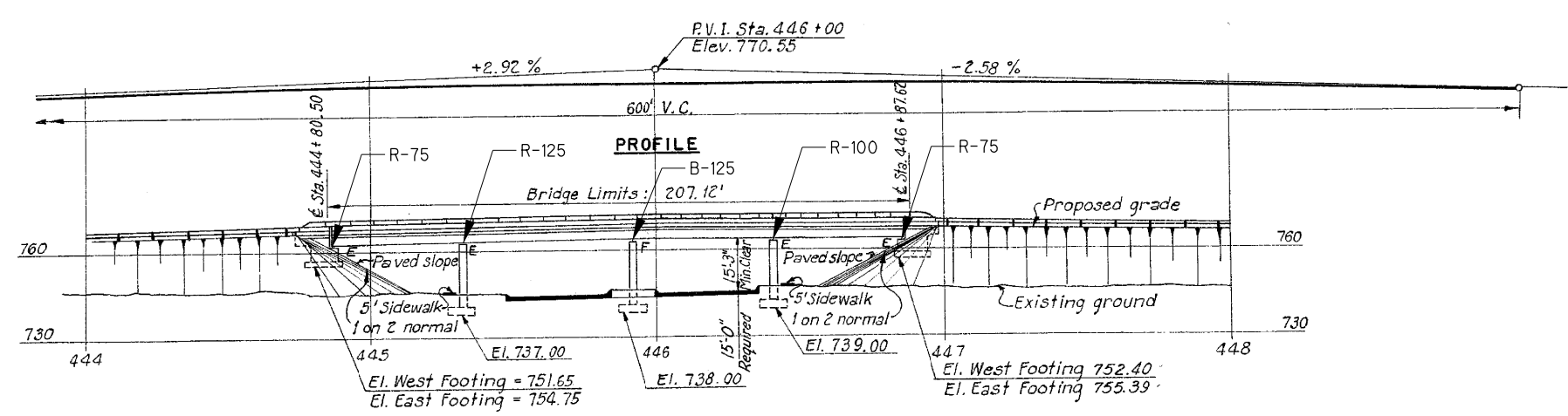
PROFILE ALONG SB PROFILE GRADE LINE, I-75

DESIGN AGENCY	ODOT - DISTRICT 7
ENGINEERING	
DATE	10/3/19
REVIEWED	MRB
STRUCTURE FILE NUMBER	5708613
DRAWN	PJB
REVIS	XXX
CHECKED	DHG
MONTGOMERY COUNTY	STA. 424+94.42
	STA. 426+91.50
SITE PLAN	
BRIDGE NO. :	MOT-075-1466
	I.R. 75 OVER LEO STREET
D07 BH FY20(B)	PID No. 105417
1/1	
59 67	

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PLAN



PROFILE

- NOTES:
- 1). DIMENSIONS AND DATA ARE TAKEN FROM EXISTING PLANS AND FIELD MEASUREMENTS. ALL DIMENSIONS AND ELEVATIONS ARE TO BE CONSIDERED \pm AND FOR REFERENCE ONLY.
 - 2). BEARINGS ARE NUMBERED 1-20 LEFT TO RIGHT LOOKING UPSTATION IR75.
 - 3). EXISTING ABUTMENT BEARINGS ARE R-75 W/SHIMS.
 - 4). EXISTING PIER 3 BEARINGS ARE R-100
 - 5). SEE SHEET 5 FOR ADDITIONAL NOTES.
 - 6). Ex. WALK CLOSED ALONG STANLEY AVE., SEE PEDESTRIAN DETOUR SHEET 28.

WORK LISTED IS NOT INCLUSIVE. CONTRACTOR WILL SEQUENCE WORK AS NEEDED.

EXISTING STRUCTURE

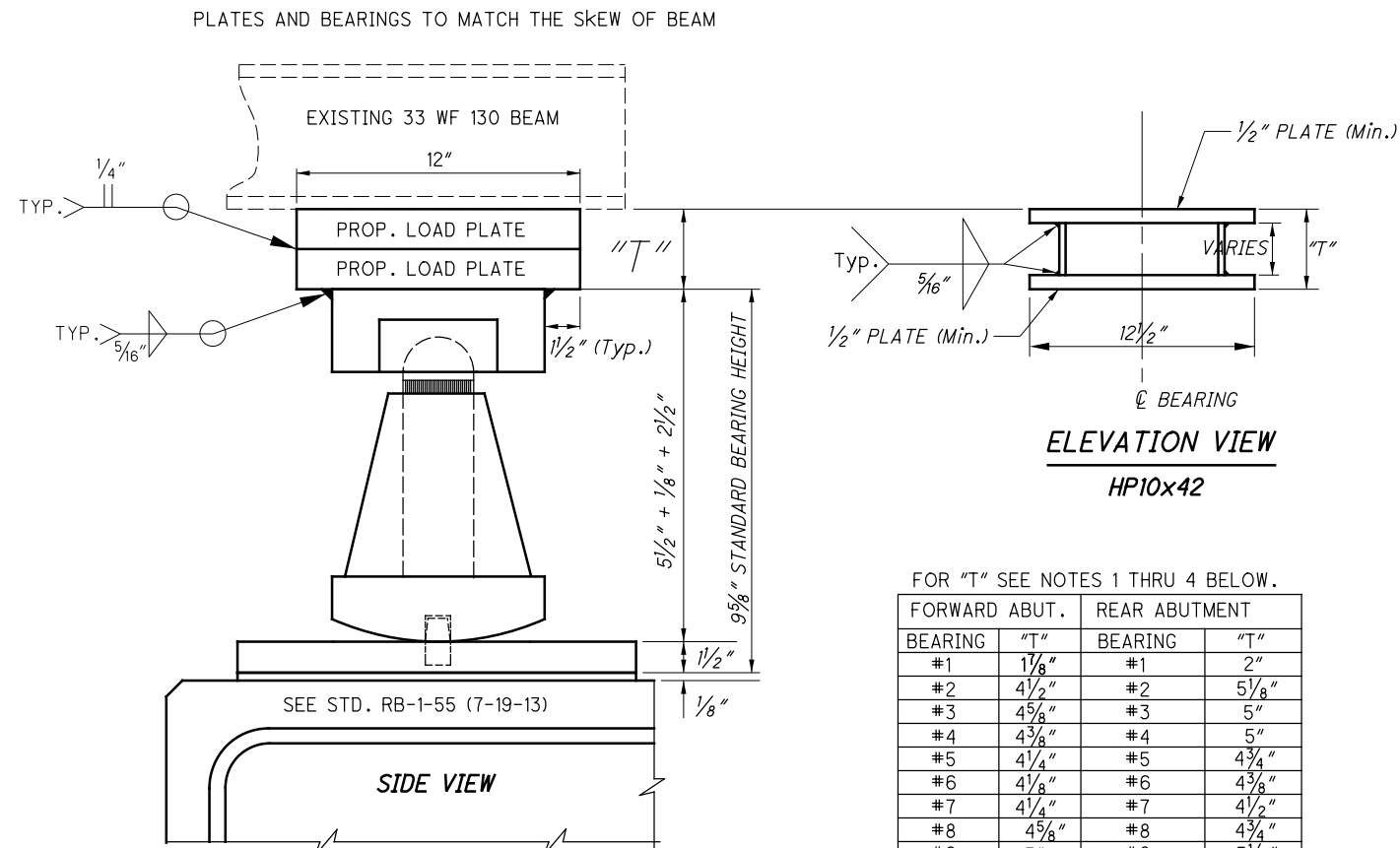
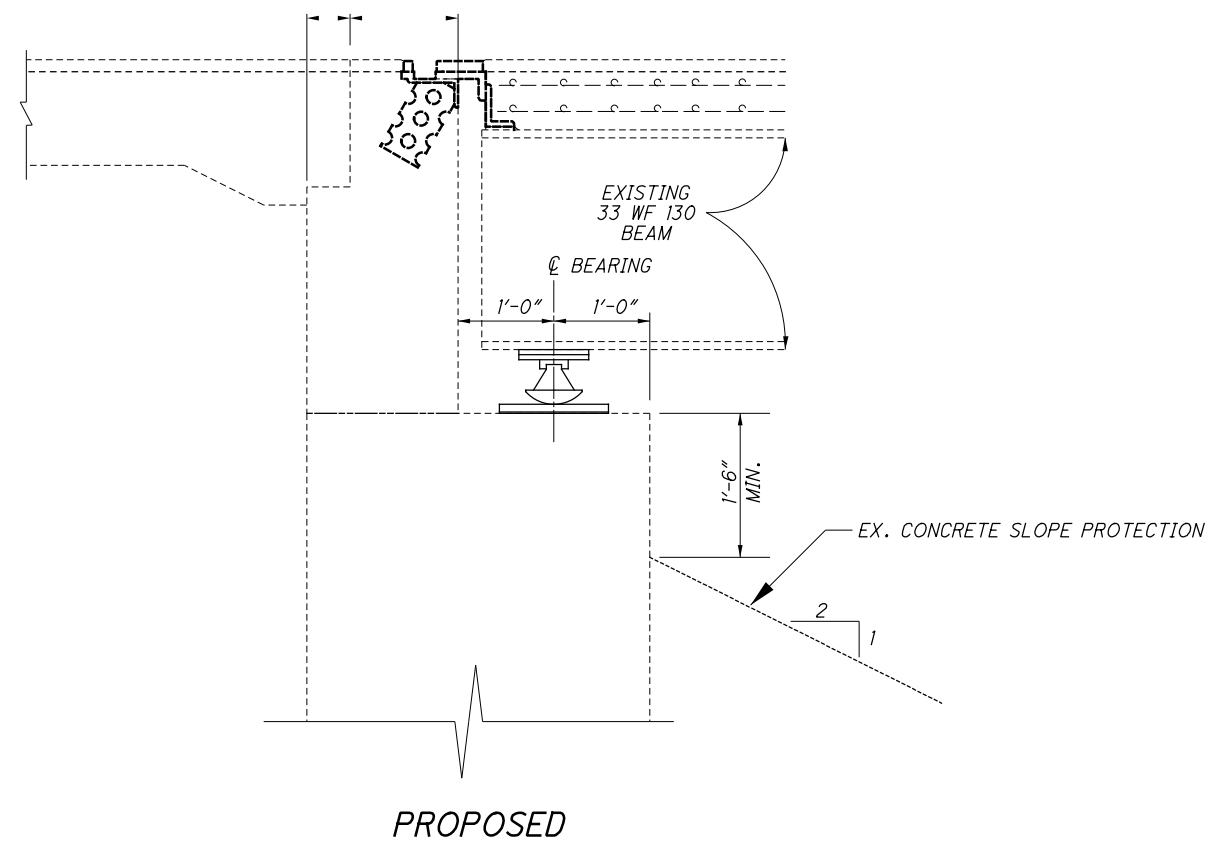
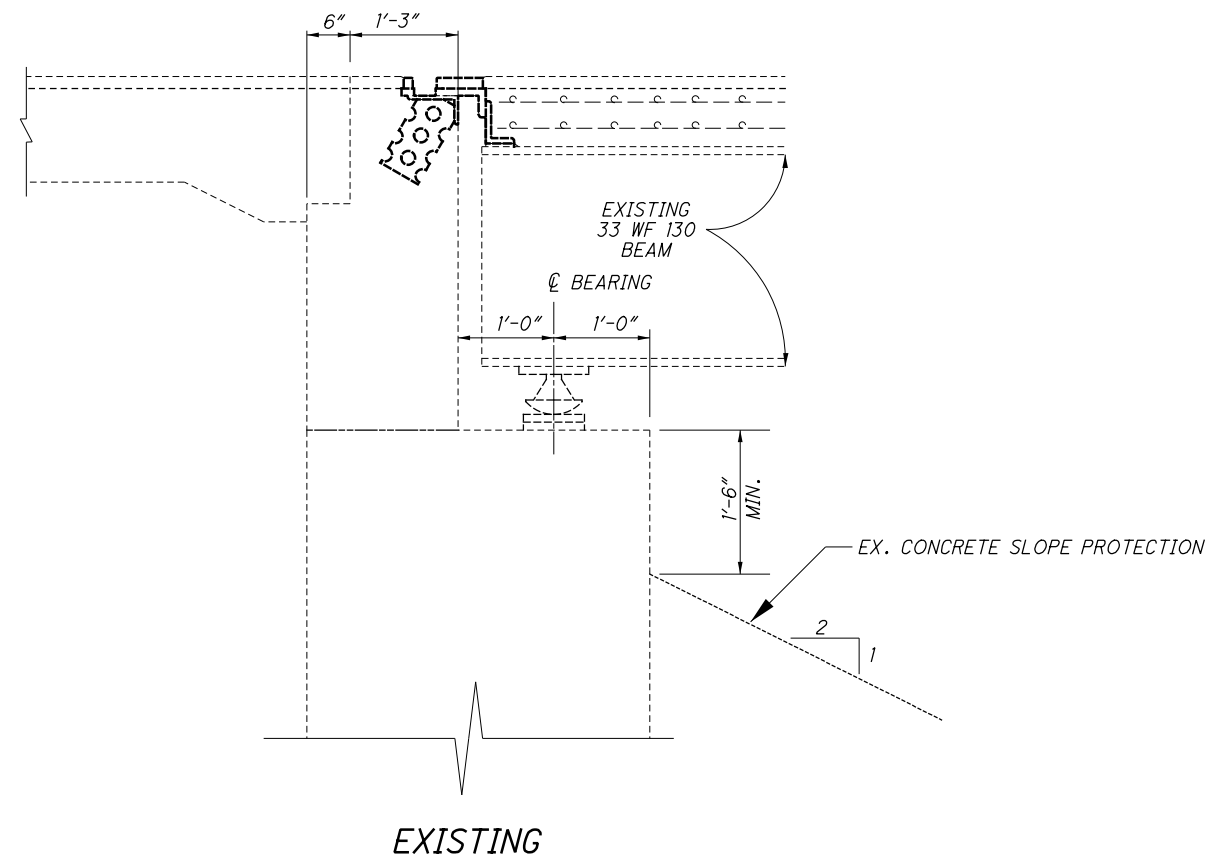
TYPE: FOUR SPAN CONTINUOUS ROLLED BEAMS WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE

SPANS: 48.06', 59.86', 49.53', 45.15'
 ROADWAY: 120'-0" F/F SAFETY CURB
 LOADING: CF2000 (51)
 SKEW: 4°-25'-31" R.F.
 APPROACH SLABS: 4 @ AS-1-54 ; 25' LONG
 ALIGNMENT: 4° CURVE LEFT
 CROWN: 0.0625
 STRUCTURAL FILE NUMBER: 5708648
 DATE BUILT: 7/1/1959
 DISPOSITION: TO BE REPAIRED

PROPOSED WORK

- 1). REPLACE BEARING #1-#20, AT REAR ABUTMENT.
- 2). REPLACE BEARING #1-#20 AT FWD. ABUTMENT.
- 3). RESET BEARINGS #1-#10, #18, #19 ON PIER 3.

DESIGN AGENCY ODOT - DISTRICT 7 ENGINEERING	DATE 10/3/19
	REVIEWED MRB
DRAWN PUB	STRUCTURE FILE NUMBER 5708648
	REVISION XXX
DESIGNED REB	CHECKED DHG
MONTGOMERY COUNTY STA. 444+80.50 STA. 446+87.62	
SITE PLAN BRIDGE NO. : MOT-075-1503 I.R. 75 OVER STANLEY AVENUE	
D07 BH FY20(B) PID No. 105417	1 / 2



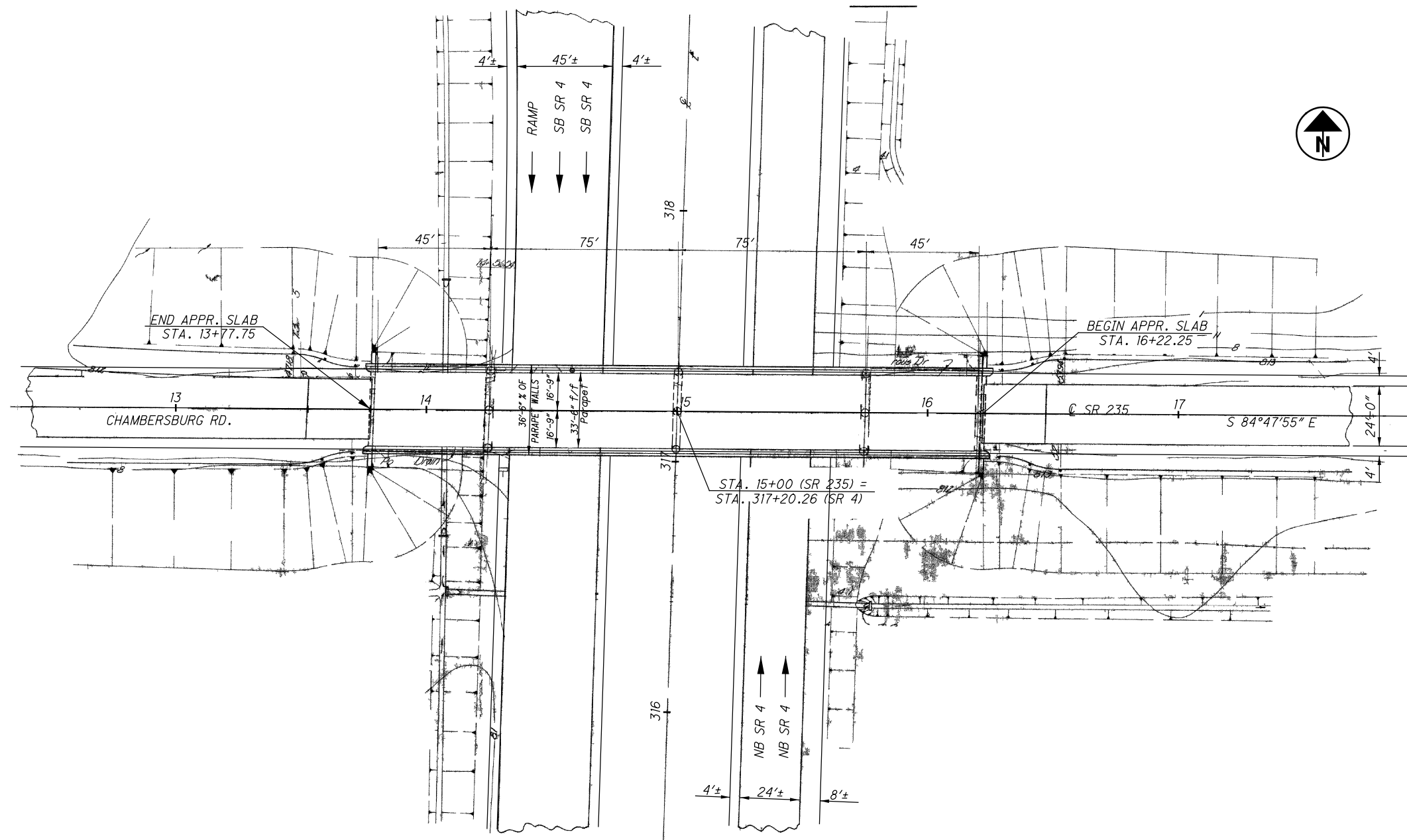
FOR "T" SEE NOTES 1 THRU 4 BELOW.

BEARING	"T"	BEARING	"T"
#1	1 1/8"	#1	2"
#2	4 1/2"	#2	5 1/8"
#3	4 5/8"	#3	5"
#4	4 3/8"	#4	5"
#5	4 1/4"	#5	4 3/4"
#6	4 1/8"	#6	4 3/8"
#7	4 1/4"	#7	4 1/2"
#8	4 5/8"	#8	4 3/4"
#9	5"	#9	5 1/8"
#10	5"	#10	5"
#11	3 3/4"	#11	4 5/8"
#12	5"	#12	4 7/8"
#13	5 5/8"	#13	5 1/4"
#14	6 7/8"	#14	6"
#15	6"	#15	6"
#16	5 5/8"	#16	5 3/8"
#17	5 1/4"	#17	5 7/8"
#18	5 1/8"	#18	5 1/2"
#19	4 1/2"	#19	5 7/8"
#20	4 1/4"	#20	5 1/2"

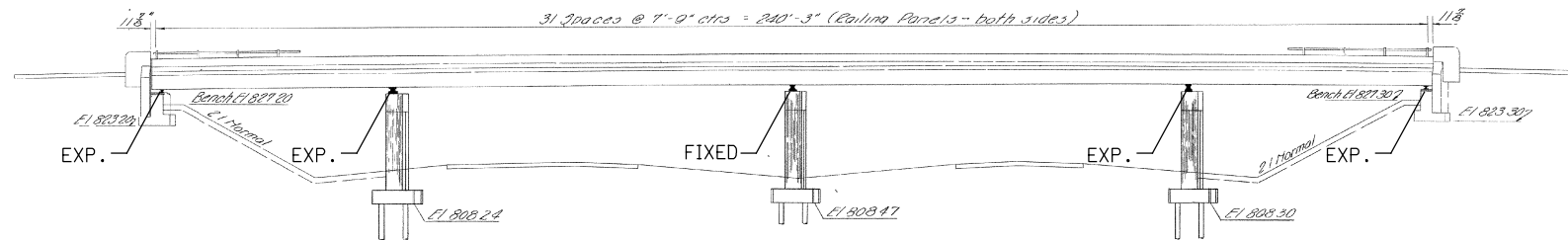
NOTES:

- 1). LOAD PLATES ARE USED AT TOP OF BEARING WHEN "T" EQUALS 4" OR LESS, PLATES WILL VARY IN THICKNESS.
- 2). H-PILE, STEEL PLATES ARE USED AT TOP OF BEARING WHEN "T" EQUALS GREATER THAN 4", AND WILL VARY IN THICKNESS.
- 3). "T" = FIELD MEASURED BEARING OPENINGS, (-) MINUS THE PROPOSED STANDARD BEARING HEIGHT AND 1/8" BEARING PAD.
- 4). BEFORE FABRICATION BEGINS THE CONTRACTOR SHALL BE RESPONSIBLE TO FIELD VERIFY EACH MEASURED BEARING OPENINGS. VERIFICATION TO BE PROVIDED TO ENGINEER FOR ACCEPTANCE.

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PLAN



PROFILE

NOTES:

- 1). DIMENSIONS AND DATA ARE TAKEN FROM EXISTING PLANS AND FIELD MEASUREMENTS. ALL DIMENSIONS AND ELEVATIONS ARE **TO BE CONSIDERED AS AND FOR REFERENCE ONLY**.
- 2). STRUCTURE SHOWN FALLS WITHIN EXISTING RIGHT OF WAY FOR SR. 235/CHAMBERSBURG ROAD.

WORK LISTED IS NOT INCLUSIVE. CONTRACTOR WILL SEQUENCE WORK AS NEEDED.

EXISTING STRUCTURE

TYPE: CONTINUOUS STEEL BEAM WITH CONCRETE DECK AND SUBSTRUCTURE

SPANS: 45' - 75' - 75' - 45'

ROADWAY: 33'-6" F/F PARAPETS

LOADING: CF 400 (51)

SKEW: 1°-39'-15" L.F.

APPROACH SLABS: AS-1-54 (25' LONG)

ALIGNMENT: TANGENT

CROWN: 0.071 FT./FT.

STRUCTURAL FILE NUMBER: 5709660

DATE BUILT: 1959

DISPOSITION: REPAIR CRASH DAMAGE

PROPOSED WORK

- 1). REMOVE AND REPLACE IMPACT DAMAGED INTERMEDIATE CROSSFRAMES.

DESIGN AGENCY
ODOT - DISTRICT 7
ENGINEERING

REVIEWED DATE
MRB 10/3/19
STRUCTURE FILE NUMBER
5709660

DRAWN PUB
PUB
REVISIONS
XXX

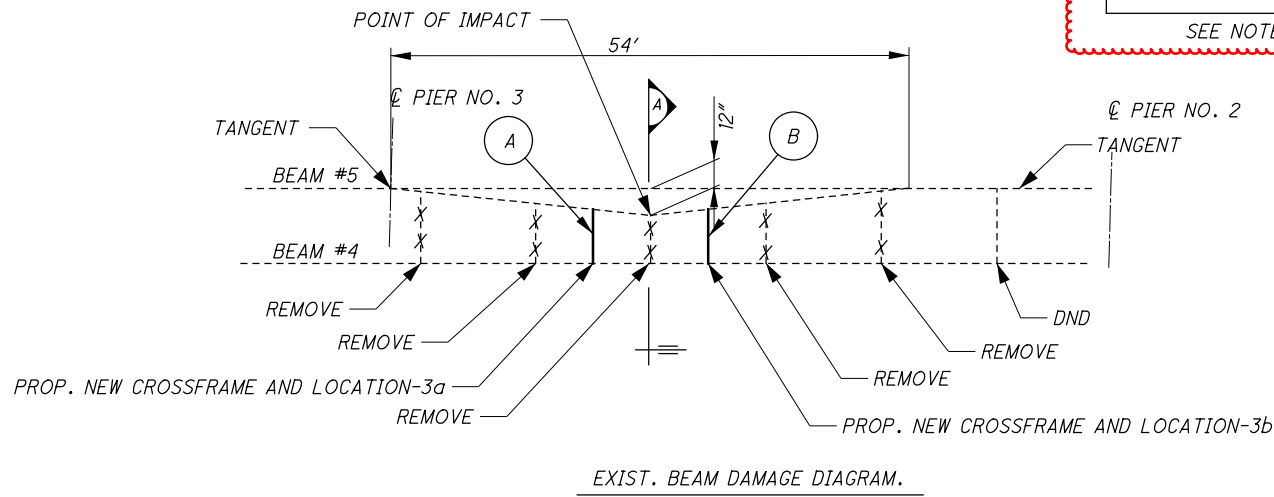
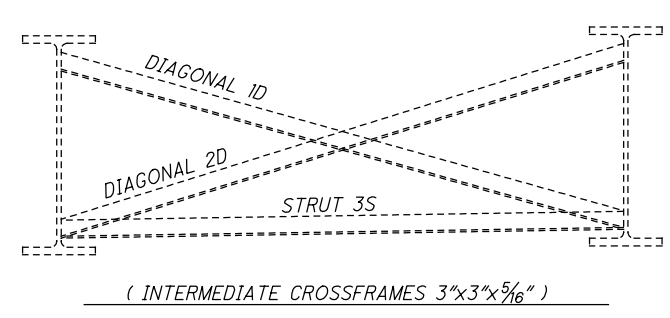
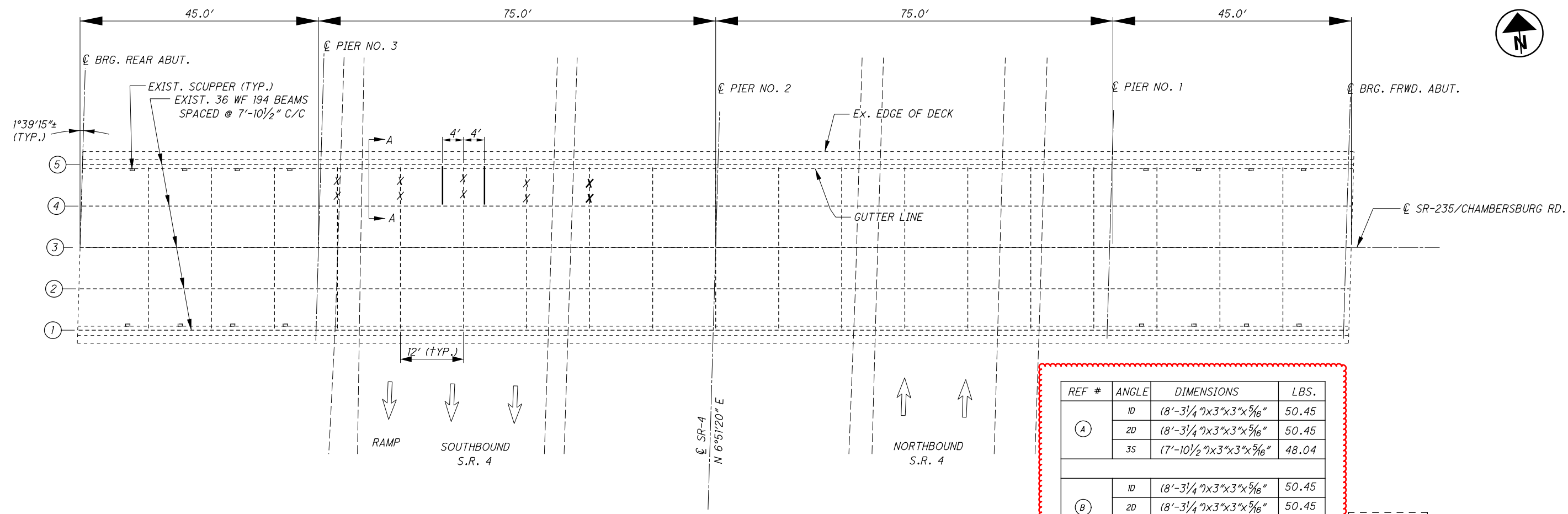
DESIGNED COUNTY
REB
CHECKED
DHG
MONTGOMERY COUNTY
STA. 13+77.75
STA. 16+22.25

SITE PLAN
BRIDGE NO.: MOT-235-0022L
S.R. 235 (CHAMBERSBURG RD.) OVER S.R. 4

D07 BH FY20(B)
PID No. 105417

1/2
62
67

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SECONDARY MEMBER DIAPHRAGM
 MAIN AND SECONDARY MEMBER DAMAGE IS NOT SHOWN FOR CLARITY

SECONDARY MEMBERS TO BE REMOVED - CROSSFRAMES					
BETWEEN BEAMS	BETWEEN PIERS	N	1D	2D	3S
4-5	2-3	1-5	5	5	5
SECONDARY MEMBERS TO BE REPLACED - CROSSFRAMES					
4-5	2-3	3a-3b	2	2	2

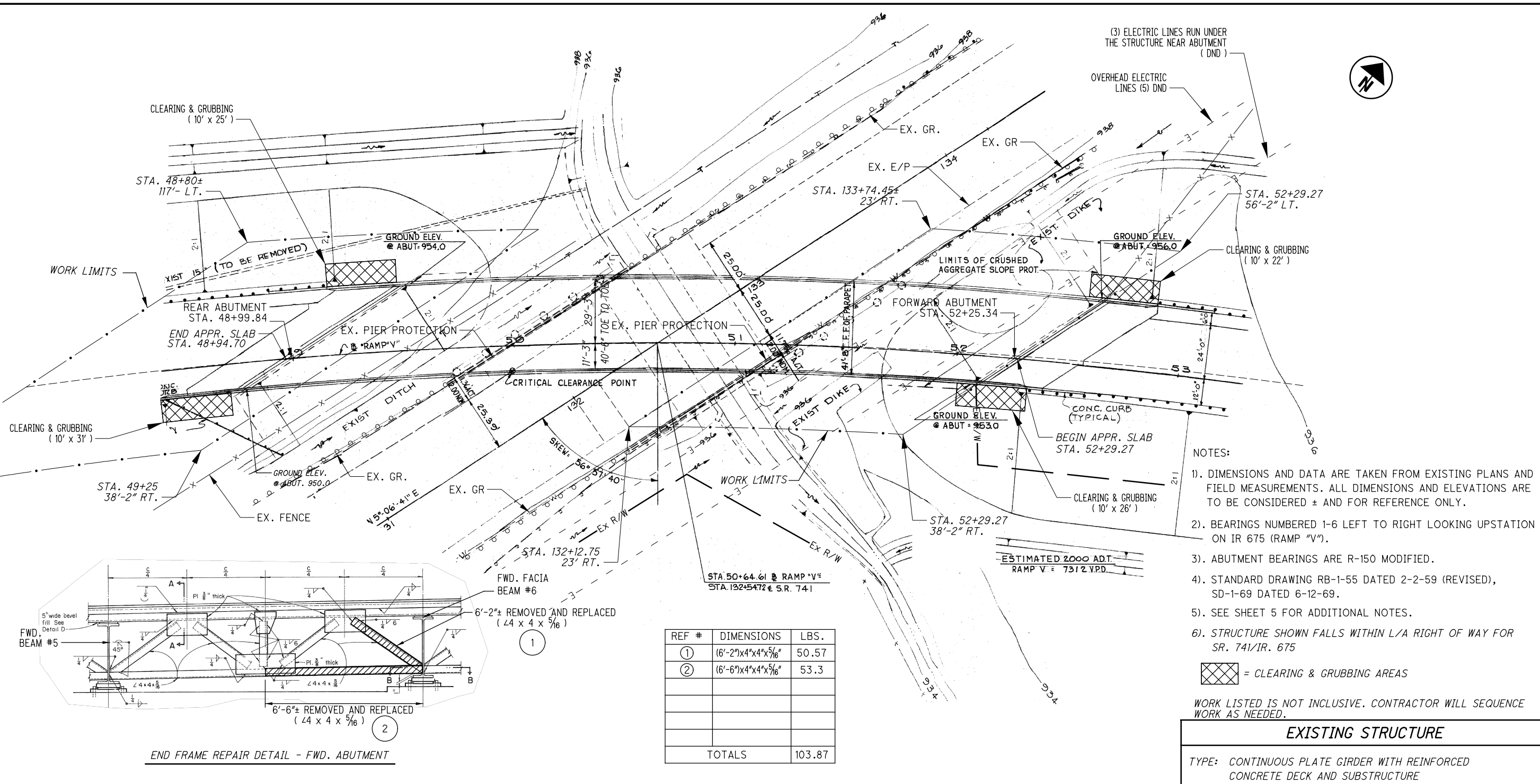
N = NUMBER OF CROSSFRAME BRACES COUNTED FROM THE PIER OR ABUTMENT IDENTIFIED IN TABLE.

NOTES AND LEGEND

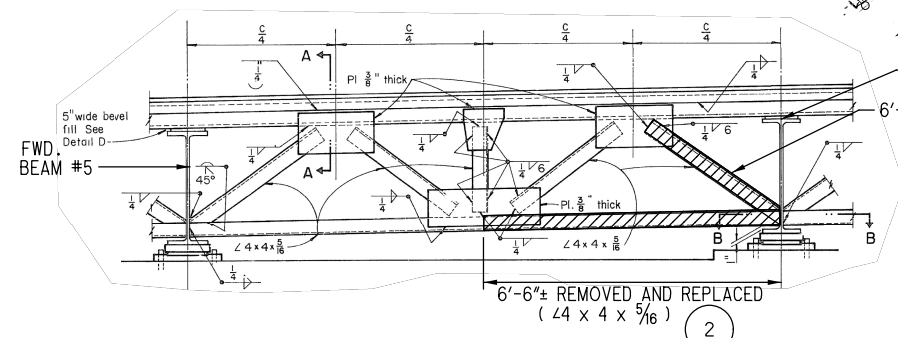
- 1). REMOVE ACCORDING TO ITEM 202 - PORTIONS OF STRUCTURE REMOVED, OVER 20' SPAN, AS PER PLAN (SECONDARY MEMBERS)
- 2). REPLACEMENT OF INTERMEDIATE CROSSFRAMES SHALL BE FIELD CUT TO FIT.
- 3). SEE STD. DWG. GSD-1-96 FOR ADDITIONAL CLARIFICATION.
- 4). INTERMEDIATE CROSSFRAMES (L3"x3"x5/16")
- 5). BEAMS ARE NUMBERED RIGHT TO LEFT 1-5 (36WF194).

DESIGN AGENCY: ODOT - DISTRICT 7 ENGINEERING
 DATE: 10/9/19
 REVIEWED: MRB
 DRAWN: PUB
 DESIGNED: REB
 CHECKED: DHG
 STRUCTURE FILE NUMBER: 5710604
 REVISED: XXX
 REPAIR DETAILS
 BRIDGE NO. MOT-235-0022L
 S.R. 235 (CHAMBERSBURG RD.) OVER S.R. 4
 D07-BH-FY20(B)
 PID No. 105417
 2/2
 63/67

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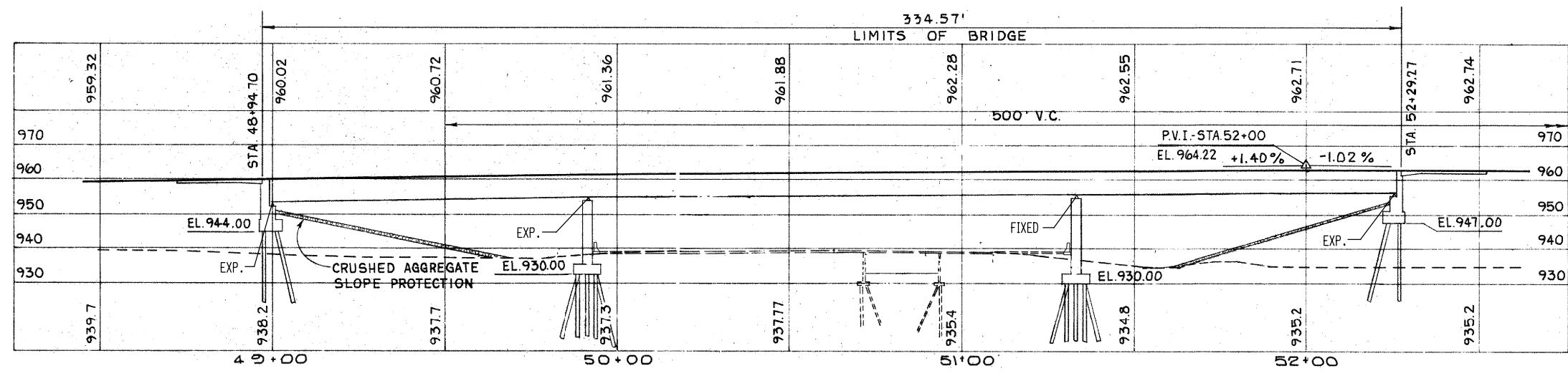


- NOTES:
- 1). DIMENSIONS AND DATA ARE TAKEN FROM EXISTING PLANS AND FIELD MEASUREMENTS. ALL DIMENSIONS AND ELEVATIONS ARE TO BE CONSIDERED ± AND FOR REFERENCE ONLY.
 - 2). BEARINGS NUMBERED 1-6 LEFT TO RIGHT LOOKING UPSTATION ON IR 675 (RAMP "V").
 - 3). ABUTMENT BEARINGS ARE R-150 MODIFIED.
 - 4). STANDARD DRAWING RB-1-55 DATED 2-2-59 (REVISED), SD-1-69 DATED 6-12-69.
 - 5). SEE SHEET 5 FOR ADDITIONAL NOTES.
 - 6). STRUCTURE SHOWN FALLS WITHIN L/A RIGHT OF WAY FOR SR. 741/IR. 675
- ⊠ = CLEARING & GRUBBING AREAS
- WORK LISTED IS NOT INCLUSIVE. CONTRACTOR WILL SEQUENCE WORK AS NEEDED.



END FRAME REPAIR DETAIL - FWD. ABUTMENT

REF #	DIMENSIONS	LBS.
①	(6'-2")x4"x4"x5/16"	50.57
②	(6'-6")x4"x4"x5/16"	53.3
TOTALS		103.87



EXISTING STRUCTURE

TYPE: CONTINUOUS PLATE GIRDER WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE

SPANS: 92.0' - 141.5' - 92.0' ALONG @

ROADWAY: 41'-8" F/F PARAPET

LOADING: HS20-44 CASE II & ALT MILITARY LOADING

SKEW: 56°-57'-40" L.F.

APPROACH SLABS: AS-1-72 (30' LONG)

ALIGNMENT: Dc = 3°00 TO RIGHT

CROWN: 0.071 FT./FT.

STRUCTURAL FILE NUMBER: 5710804

DATE BUILT: 7/1/1983

DISPOSITION: TO BE REPAIRED

PROPOSED WORK

- 1). RESET BEARINGS #2, #3, #5 AT REAR ABUTMENT
- 2). RESET BEARINGS #2, #4, #5 AT FWD. ABUTMENT.
- 3). REPAIR END FRAME BETWEEN BEAMS #5 AND #6 AT FWD. ABUTMENT

DESIGN AGENCY: ODOT - DISTRICT 7 ENGINEERING

DATE: 10/03/19

REVIEWED: MRB

DRAWN: PUB

DESIGNED: REB

MONTGOMERY COUNTY: STA. 48+94.70 STA. 52+29.27

SITE PLAN

BRIDGE NO.: MOT-675-0063R

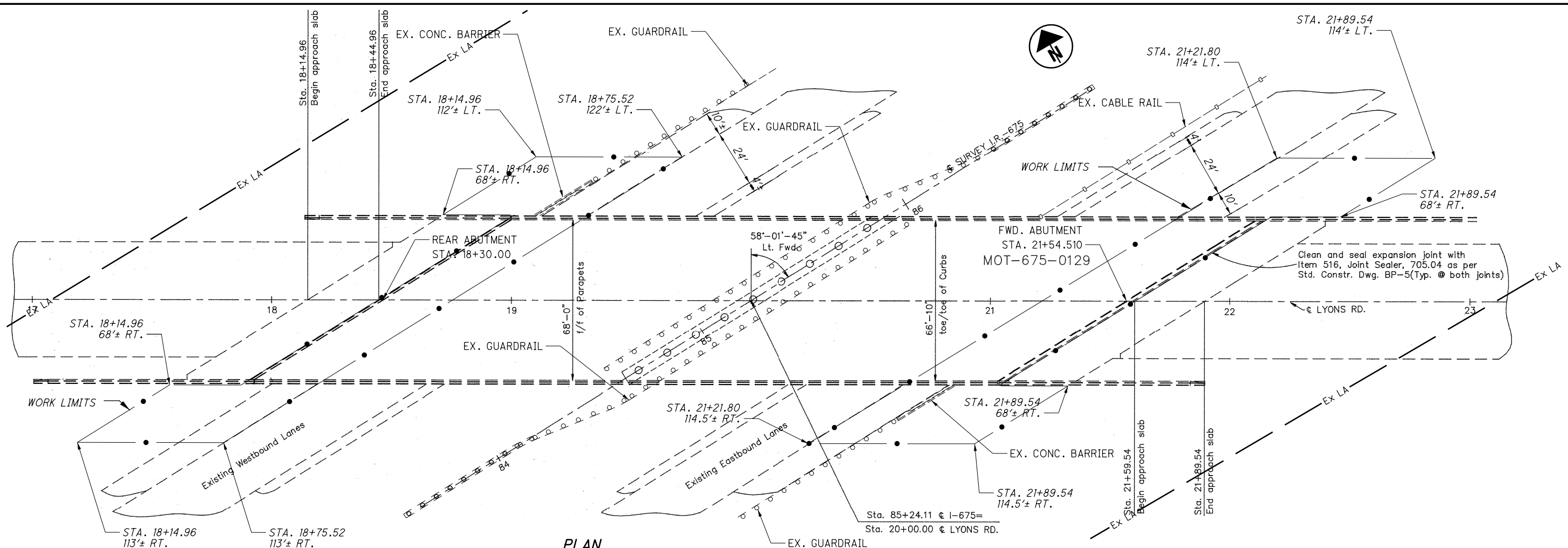
I.R. 675 (RAMP "V") OVER S.R. 741, TRIB HOLES CREEK

D07 BH FY20(B)

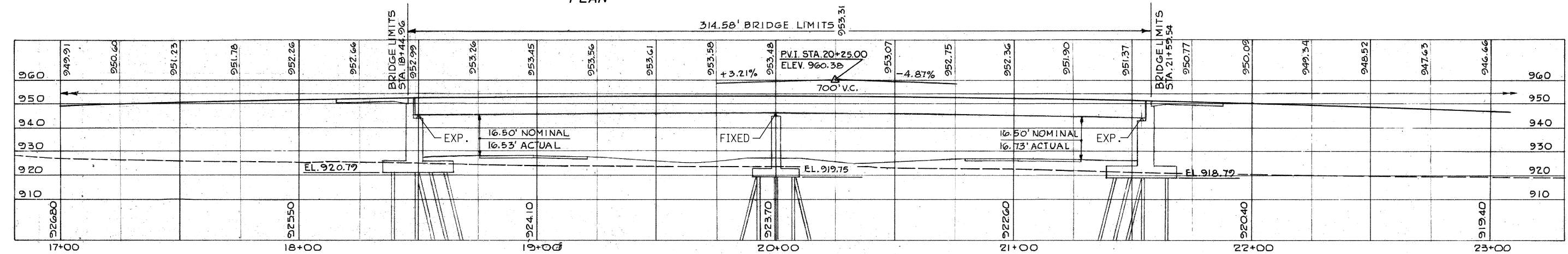
PID No. 105417

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67

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PLAN



PROFILE

- NOTES:
- 1). DIMENSIONS AND DATA ARE TAKEN FROM EXISTING PLANS AND FIELD MEASUREMENTS. ALL DEMINSIONS AND ELEVATIONS ARE TO BE CONSIDERED ± AND FOR REFERENCE ONLY.
 - 2). ABUTMENT BEARINGS ARE NUMBERED 1-9 LEFT TO RIGHT LOOKING UPSTATION ON LYONS RD.
 - 3). ABUTMENT BEARINGS ARE R-175.
 - 4). STANDARD DRAWING RB-1-55 DATED 2-2-59 (REVISED).
 - 5). SEE SHEET 5 FOR ADDITIONAL NOTES.

EXISTING STRUCTURE

TYPE: CONTINUOUS PLATE GIRDER WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE

SPANS: 150.0' - 154.5'

ROADWAY: 68'-0" F/F PARAPET

LOADING: HS 20-44 CASE II & THE ALT. MILITARY LOADING

SKEW: 58°-01'-45' L.F.

APPROACH SLABS: AS-1-72 (30' LONG)

ALIGNMENT: TANGENT

CROWN: 3/16/FT

STRUCTURAL FILE NUMBER: 5710979

DATE BUILT: 7/1/1985

DISPOSITION: TO BE REPAIRED

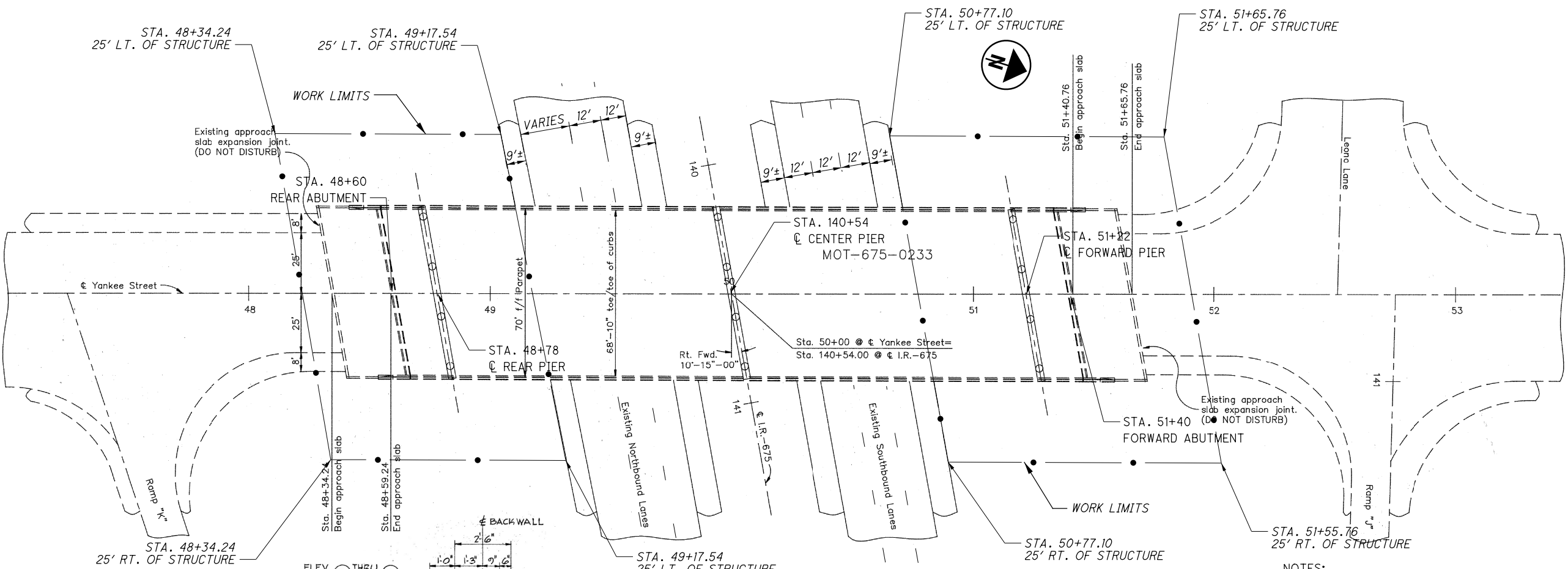
WORK LISTED IS NOT INCLUSIVE. CONTRACTOR WILL SEQUENCE WORK AS NEEDED.

PROPOSED WORK

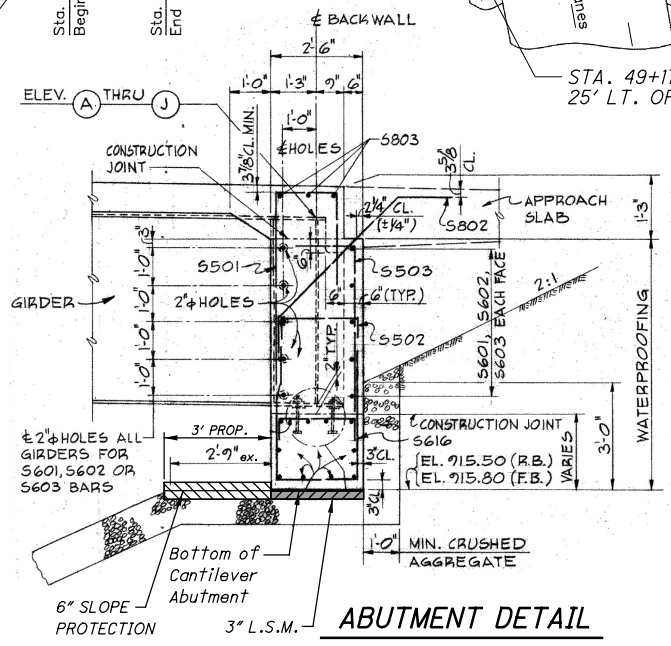
- 1). RESET BEARINGS #1-#9 AT REAR ABUTMENT
- 2). RESET BEARINGS #1,#9 AT FWD. ABUTMENT

DESIGN AGENCY ODOT - DISTRICT 7 ENGINEERING	DATE 10/23/19
	REVIEWED MRB
DRAWN PUB	DESIGNED REB
	CHECKED DHG
MONTGOMERY COUNTY STA. 18+14.96 STA. 21+89.54	STRUCTURE FILE NUMBER 5710979
	REVISIONS XXX
SITE PLAN BRIDGE NO. : MOT-675-0129 LYONS RD. OVER I.R. 675	DESIGNED DHG
	CHECKED XXX
D07 BH FY20(B) PID No. 105417	DATE 10/23/19
	REVIEWED MRB
1/1	DESIGNED DHG
	CHECKED XXX
65 67	STRUCTURE FILE NUMBER 5710979
	REVISIONS XXX

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REF #	ITEM	QUAN.
① FWD	613	1.62 CY.
① REAR	613	1.62 CY.
TOTALS (ROUNDED UP)		4 CY.
② FWD	601	23.3 SY.
② REAR	601	23.3 SY.
TOTALS (ROUNDED UP)		47 SY.



SLOPE PROTECTION DETAILS & NOTES

① = Item 613- Low Strength Mortar, 3" under both existing Cantilever Abutments. (3" x 2'-6" x 70')x2 each.

② = Item 601-Crushed Aggregate Slope Protection: Place crushed aggregate in 3' width in front of both abutments so that the aggregate extends a minimum 3" above the bottom of the abutment (Avg. Thickness = 6"), (Avg. Length 70').

- NOTES:**
- DIMENSIONS AND DATA ARE TAKEN FROM EXISTING PLANS AND FIELD MEASUREMENTS. ALL DIMENSIONS AND ELEVATIONS ARE TO BE CONSIDERED ± AND FOR REFERENCE ONLY.
 - BEARINGS ARE NUMBERED 1-9 LEFT TO RIGHT LOOKING UPSTATION ON YANKEE ST.
 - PIER BEARINGS ARE R-300.
 - STANDARD DRAWING RB-1-55 DATED 2-2-59 (REVISED).
 - SEE SHEET 5 FOR ADDITIONAL NOTES.
 - EXISTING STRUCTURE FALLS WITHIN THE EXISTING LA RIGHT OF WAY FOR THE INTERCHANGE, AND OUTSIDE THIS VIEW AREA.

WORK LISTED IS NOT INCLUSIVE. CONTRACTOR WILL SEQUENCE WORK AS NEEDED.

EXISTING STRUCTURE

TYPE: CONTINUOUS STEEL BEAM WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE

SPANS: 18.0' - 122.0' - 122.0' - 18.0'

ROADWAY: 70'-0" F/F PARAPET

LOADING: HS 20-44 CASE II & THE ALT. MILITARY LOADING (ORIG.)

SKEW: 10°-15'-00" RT. FWD.

APPROACH SLABS: AS-1-72 (25' LONG)

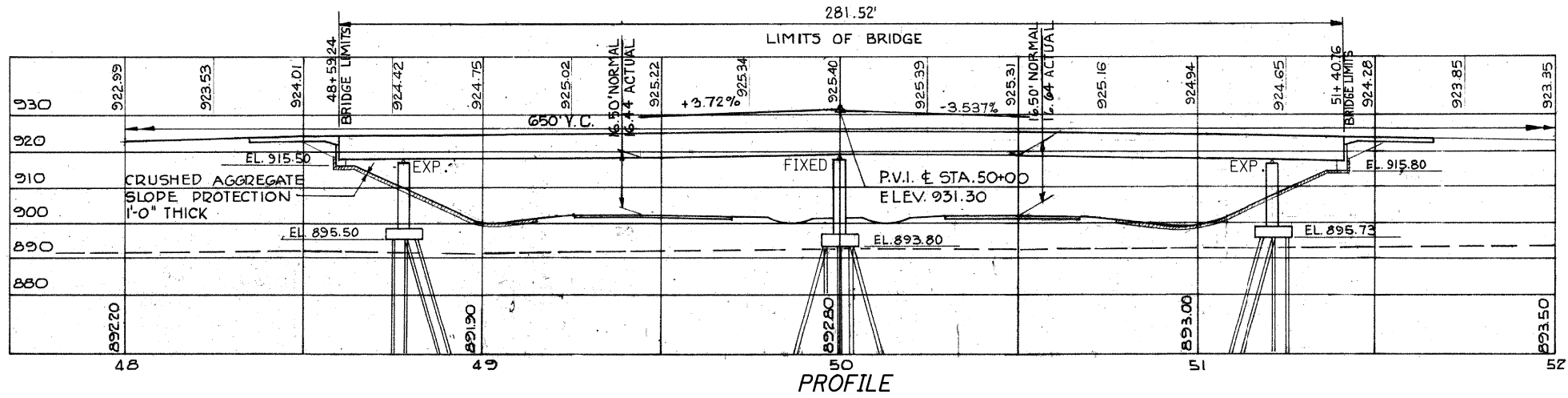
ALIGNMENT: TANGENT

CROWN: 3/16" / FT

STRUCTURAL FILE NUMBER: 5711126

DATE BUILT: 7/1/1983

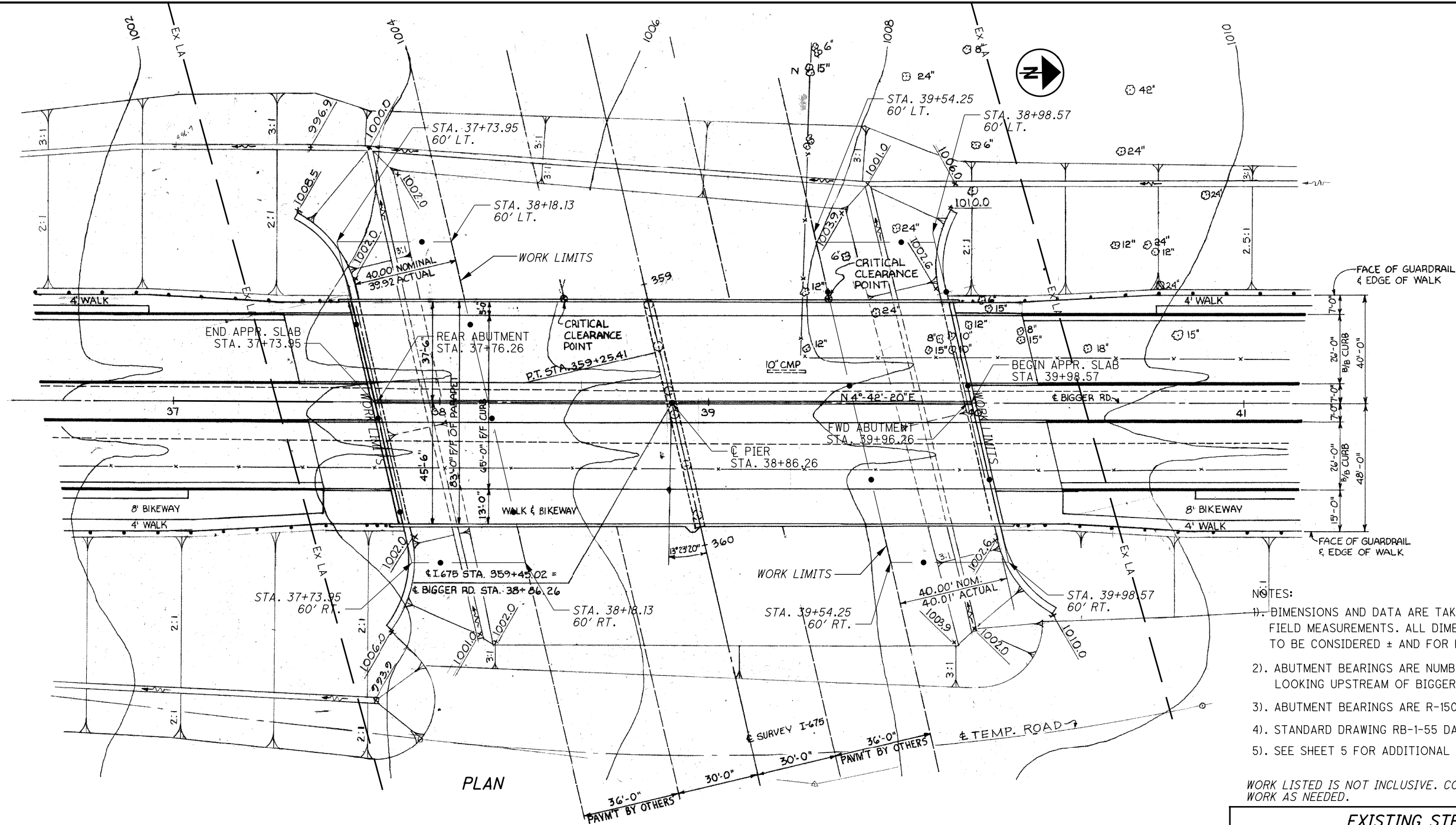
DISPOSITION: TO BE REPAIRED



- RESET BEARINGS #1 & #9 AT REAR PIER.
- REPAIR SLOPE PROTECTION AT REAR AND FWD ABUTMENTS.

DESIGN AGENCY ODOT - DISTRICT 7 ENGINEERING	DATE 10/3/19	REVIEWED MRB	DESIGNED REB	DRAWN PUB	STRUCTURE FILE NUMBER 5711126
	MONTGOMERY COUNTY STA. 48+59.24 STA. 51+40.76	CHECKED DHG	REVISER XXX	DESIGNED DHG	REVISER XXX
SITE PLAN		BRIDGE NO. : MOT-675-0233 YANKEE ST. OVER I.R. 675			
D07 BH FY20(B)		PID No. 105417			
1 / 1		66 67			

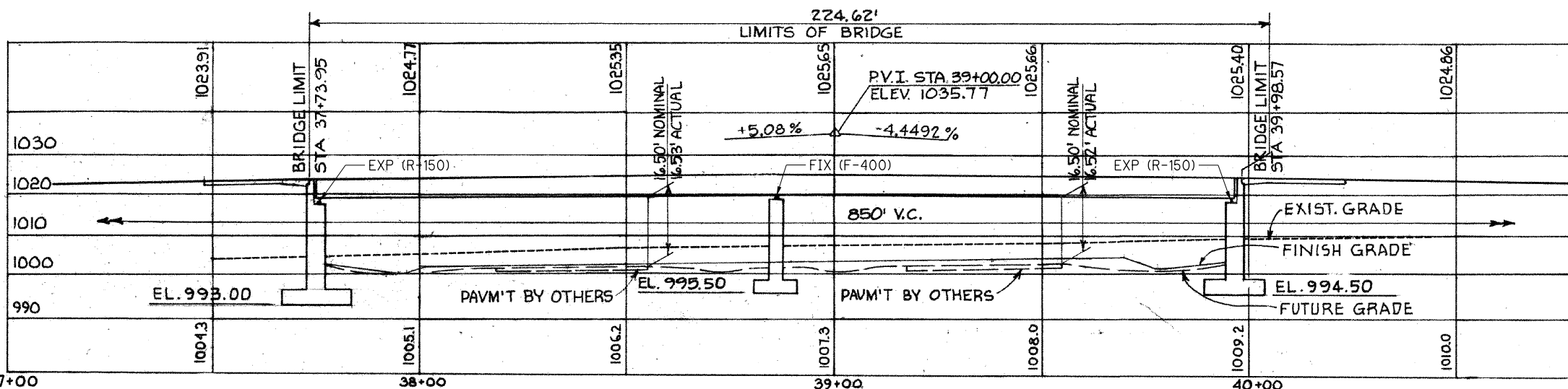
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PLAN

- NOTES:
- 1). DIMENSIONS AND DATA ARE TAKEN FROM EXISTING PLANS AND FIELD MEASUREMENTS. ALL DIMENSIONS AND ELEVATIONS ARE TO BE CONSIDERED ± AND FOR REFERENCE ONLY.
 - 2). ABUTMENT BEARINGS ARE NUMBERED 1-11 LEFT TO RIGHT LOOKING UPSTREAM OF BIGGER RD.
 - 3). ABUTMENT BEARINGS ARE R-150.
 - 4). STANDARD DRAWING RB-1-55 DATED 2-2-59 (REVISED).
 - 5). SEE SHEET 5 FOR ADDITIONAL NOTES.

WORK LISTED IS NOT INCLUSIVE. CONTRACTOR WILL SEQUENCE WORK AS NEEDED.



PROFILE

EXISTING STRUCTURE

TYPE: A588, (MINIMUM YIELD STRENGTH OF 50 KSI AND ALLOWABLE JACKING STRESS OF 25 KSI) PAINTED CONTINUOUS STEEL PLATE GIRDERS WITH REINFORCED CONCRETE DECK AND SUBSTRUCTURE

SPANS: 110' - 110'

ROADWAY: 83'-0" F/F PARAPET

LOADING: HS 20-44 (CASE II) AND ALTERNATE MILITARY LOADING

SKEW: 13°23'20" RT. FWD.

APPROACH SLABS: AS-1-81 (25' LONG)

ALIGNMENT: TANGENT

CROWN: 1/4" / FT

STRUCTURAL FILE NUMBER: 5711436

DATE BUILT: 1985

DISPOSITION: TO BE REPAIRED

PROPOSED WORK

- 1). RESET BEARINGS #1-#3, #6, #7, #11 REAR ABUTMENT
- 2). RESET BEARINGS #1-#5, #8 FWD. ABUTMENT

DESIGN AGENCY	ODOT - DISTRICT 7
ENGINEERING	
DATE	10/3/19
REVIEWED	MRB
STRUCTURE FILE NUMBER	5711436
DRAWN	REB
CHECKED	DHG
DESIGNED	
MONTGOMERY COUNTY	STA. 37+73.95
	STA. 39+98.57
SITE PLAN	
BRIDGE NO. MOT-675-0647	
BIGGER ROAD OVER I.R. 675	
D07 BH FY20(B)	PID No. 105417
	1/1
	67
	67