

LATITUDE: 38°58'11" LONGITUDE: W82° 30'23"

PORTION TO BE IMPROVED	
INTERSTATE HIGHWAY	
FEDERAL ROUTES	
STATE ROUTES	
COUNTY & TOWNSHIP ROADS	
OTHER ROADS	

DESIGN DESIGNATION

CURRENT ADT (2022)	12,000
DESIGN YEAR ADT (2042)	14,000
DESIGN HOURLY VOLUME (2042)	1,400
DIRECTIONAL DISTRIBUTION	56%
TRUCKS (24 HOUR B&C)	30%
DESIGN SPEED	60 MPH
LEGAL SPEED	60 MPH
DESIGN FUNCTIONAL CLASSIFICATION:	
OTHER PRINCIPAL ARTERIAL	
NHS PROJECT	YES

ENGINEER'S SEAL:

DESIGN EXCEPTIONS

NONE REQUIRED

ADA DESIGN WAIVERS

NONE REQUIRED



OHIO DEPARTMENT OF TRANSPORTATION DISTRICT 9

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

JAC-35-18.92

BLOOMFIELD/MADISON TOWNSHIPS

JACKSON COUNTY

INDEX OF SHEETS:

- TITLE SHEET TYPICAL SECTIONS 2 GENERAL NOTES 3-4 MAINTENANCE OF TRAFFIC 5-16 GENERAL SUMMARY PAVEMENT CALCULATIONS 19 PAVEMENT MARKING SUB-SUMMARY 20 PAVEMENT LINE DIAGRAM 21 PAVEMENT DETAILS STRUCTURE (OVER 20' SPAN) JAC-35-18.92
 - 17-18, 18A 22. 22A 23-30, 25A, 26A

SIGNED:			ST	ANDARD	CONSTR	UCTION	DRAWINGS	SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
All II I MILLI	BP-3.1	1/17/20	DM-1.1	7/17/20	MT-95.30	7/19/19		800-2019 10/15/21	
			DM-1.3	7/18/14	MT-95.40	1/17/20		807 7/16/21	
DATE:	MGS-3.1	1/19/18	DM-4.4	1/15/16	MT-95.45	1/17/20		808 1/18/19	
ENGINEER'S SEAL:	MGS-3.2	1/18/13			MT-95.50	7/21/17		821 4/20/12	
ENGINEER S SEAL			TC-42.20	10/18/13	MT-97.10	4/19/19		832 10/19/18	
	AS-1-15	7/17/15	TC-61.10	1/17/20	MT-98.10	1/17/20		848 1/15/21	
ATE OF OH ATE	AS-2-15	1/18/19	TC-61.30	7/19/19	MT-98.11	1/17/20		850 4/16/21	
	BR-1-13	1/17/14	TC-65.10	1/17/14	MT-98.20	4/19/19		897 1/16/15	
* DAVID M. * BEEKMAN *	PCB-91	7/17/20	TC-65.11	7/21/17	MT-98.22	1/17/20		908 10/20/17	
T F-69687 C	TST-2-21	7/16/21	TC-71.10	7/16/21	MT-98.28	1/17/20		921 4/20/12	
	VPF-1-90	7/20/18	TC-72.20	7/20/18	MT-99.20	4/19/19			
CISTER CIT					MT-101.70	1/17/20			
PO PO PO PO PO PO PO PO PO PO	BP-2.1	7/17/15			MT-101.75	1/17/20			
	BP-2.5	7/19/13			MT-101.90	7/17/20			
SIGNED: Dari A. Beekeman	BP-3.1	1/17/20			MT-104.10	10/16/15			
DATE:	BP-9.1	1/18/19			MT-105.10	1/17/20			

Ā IME Î 17×11 35-18.92 SIZE

FEDERAL PROJECT NUMBER

E201188

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF PLANING AND RESURFACING 5.02 MILES OF U.S. ROUTE 35 IN JACKSON COUNTY FROM SLM 18.92 TO SLM 23.94. ALSO INCLUDED IN THIS PROJECT IS BRIDGE REHAB WORK AT THE SLM 18.92 BRIDGE. THIS WORK CONSISTS OF THE HYDRODEMOLITION OF THE DECK AND REPLACING THE OVERLAY AND CAPPING PARAPETS AND INSTALLING VANDAL FENCING.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA: 0.0 ACRES ESTIMATED CONTRACTOR EARTH DISTURBED AREA: 0.0 ACRES NOTICE OF INTENT EARTH DISTURBED AREA: N/A (NOI not required) * Routine Maintenance Project

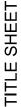
LIMITED ACCESS

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 HEARBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.



SIGN AGENC



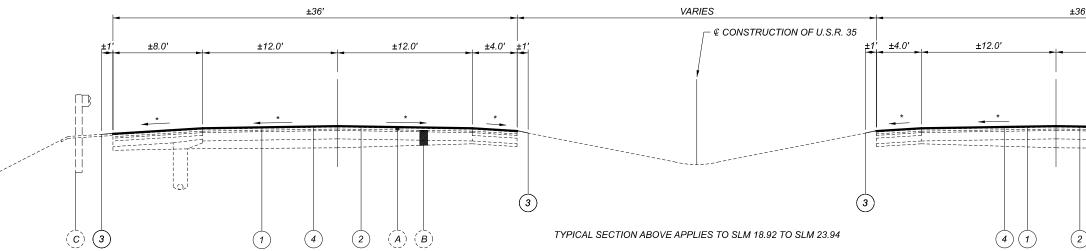
DESIGNER	
JE	EM
REVIE	EWER
DN	ИB
PROJECT ID	
112	993
SHEET	TOTAL
P.1	30

APPROVED

DATE 11-29-2021 DISTRICT DEPUTY DIRECTOR

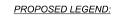
APPROVED_ DATE _

DIRECTOR. DEPARTMENT OF TRANSPORTATION

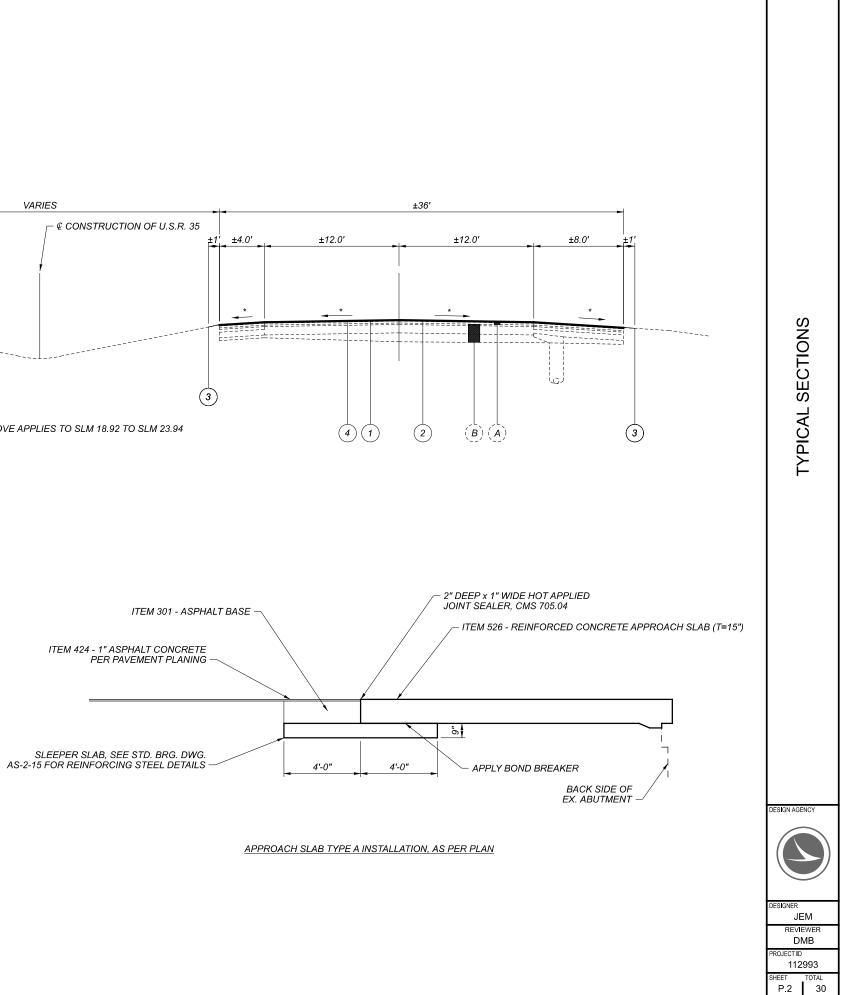


<u>NOTES:</u>

* MATCH EXISTING PAVEMENT SLOPE



- (1) ITEM 897 ³/₄" PAVEMENT PLANING, ASPHALT CONCRETE, CLASS A, AS PER PLAN
- (2) ITEM 424 1" FINE GRADED POLYMER ASPHALT CONCRETE, TYPE B
- 3 ITEM 617 COMPACTED AGGREGATE
- (4) ITEM 407 TACK COAT



EXISTING PAVEMENT LEGEND:

- (A)EXISTING ASPHALT CONCRETE PAVEMENT
- (B)EXISTING BASE
- (c) EXISTING TYPE 5 GUARDRAIL

UTILITIES

THERE ARE NO EXISTING UNDERGROUND UTILITY FACILITIES SHOWN ON THE PLANS, NOR WILL ANY EXISTING UNDERGROUND UTILITY FACILITIES BE RELOCATED FOR THE PROJECT. THE NATURE OF THE WORK REQUIRED BY THIS PROJECT WILL NOT AFFECT ANY UTILITIES THAT MAY EXIST WITHIN THE WORK AREA. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY POTENTIAL UTILITY CONFLICTS, BY VISUAL INSPECTION AND BY CONTACTING THE OHIO UTILITIES PROTECTION SERVICE (OHIO 811) FOR FIELD MARKINGS OF THE UNDERGROUND UTILITIES. THE CONTRACTOR SHALL CONTACT AND COORDINATE WITH THE OWNERS TO RESOLVE ALL UTILITY CONFLICTS PRIOR TO CONSTRUCTION OR, WITH THE APPROVAL OF THE PROJECT ENGINEER, THE CONTRACTOR SHALL ADJUST THE PROJECT CONSTRUCTION ACCORDINGLY, SO AS TO AVOID DAMAGE TO THE EXISTING UTILITY FACILITIES.

THE UTILITY CONTACT INFORMATION FOR THE PROJECT CAN BE OBTAINED THROUGH THE ODOT DISTRICT 9 UTILITY COORDINATOR AT 740-774-9075.

PART-WIDTH CONSTRUCTION

BECAUSE OF THE NECESSITY TO BUILD THIS PROJECT UNDER TRAFFIC AND TO CONSTRUCT THE FULL PAVEMENT WIDTH IN STAGES, EXERCISE CARE TO PREVENT THE CONSTRUCTION OF A BUTT JOINT IN THE BASE COURSES. LAP LONGITUDINAL JOINTS AS SHOWN ON STANDARD CONSTRUCTION DRAWING BP-3.1.

ITEM 254- PATCHING PLANED SURFACE

THIS ITEM SHALL BE IN ACCORDANCE WITH SECTION 254 OF THE CONSTRUCTION AND MATERIALS SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

ESTIMATED QUANTITIES HAVE BEEN PROVIDED FOR THE FOLLOWING WORK: ITEM 254 PATCHING PLANED SURFACE 42,720 SQ.YD.

ITEM 606 - IMPACT ATTENUATOR, TYPE 1 (UNIDIRECTIONAL OR BIDIRECTIONAL)

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING ANY ONE OF THE TYPE 1 IMPACT ATTENUATORS AS LISTED ON THE OFFICE OF ROADWAY ENGINEERING'S WEB PAGE. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 606, IMPACT ATTENUATOR, TYPE 1 (UNIDIRECTIONAL OR BIDIRECTIONAL), EACH, AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL IMPACT ATTENUATOR SYSTEM, INCLUDING ALL RELATED TRANSITIONS, HARDWARE, REFLECTIVE SHEETING AND GRADING, NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

ITEM 251 - PARTIAL DEPTH PAVEMENT REPAIR (442), AS PER PLAN

ALL CONSTRUTION REQUIREMENTS OF 2019 CMS ITEM 251 SHALL APPLY.

THE MINIMUM DIMENSION FOR TRANSVERSE REPAIRS SHALL BE 4', THE MINIMUM FOR LONGITUDINAL REPAIRS SHALL BE 2'. THIS ITEM SHALL COMMENCE PRIOR TO RESURFACING. MATERIAL FOR REPAIR AREAS SHALL BE ITEM 442 SURFACE COURSE, 12.5MM, TYPE A (448) IN TWO LIFTS, FOLLOWING THE APPLICATION OF ITEM 407 TACK COAT. REMOVE EXISITING SURFACE TO A UNIFORM DEPTH OF 4.50", TRIM AS NEEDED WHERE ROUNDED TO PROVIDE VERTICAL FACES A LONG THE PERIMETER OF THE REPAIR AREA. THOROUGHLY COMPACT ENTIRE AREA.

THE SMOOTHNESS OF ASPHALT REPAIRS CAN NOT EXCEED 0.25" FROM THE TESTING EDGE OF A TEN FOOT STRAIGHTEDGE. THE CONTRACTOR IS REQUIRED TO PROVIDE STRAIGHTEDGE THAT IS SATISFACTORY TO THE ENGINEER. CORRECT VARIATIONS IN EXCESS OF SURFACE TOLERANCE BY RECONSTRUCTING REPAIRS OR SURFACE GRINDING IN A MANNER SATISFACTORY TO THE ENGINEER AT NO ADDITIONAL COST TO THE STATE.

PAYMENT FOR ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO PERFORM THE WORK OUTLINED ABOVE SHALL BE INCLUDED IN THE SQUARE YARD CONTRACT PRICE FOR ITEM 251 PARTIAL DEPTH PAVEMENT REPAIR (442), AS PER PLAN. THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DESIGNATED BY THE ENGINEER.

ITEM 251, PARTIAL DEPTH REPAIR (442), AS PER PLAN <u>1500</u> SQ.YD.

RPM

IN ADDITION TO CMS 621.03, RPM'S SHALL NOT BE INSTALLED ON BRIDGES OR APPROACH SLABS THAT HAVE A CONCRETE SURFACE. INSTALL RPM'S IN ASPHALT CONCRETE BEFORE AND AFTER THE SUPERSTRUCTURE. RPM'S LOCATED IN EXISTING CONCRETE BRIDGE DECKS OR APPROACH SLABS SHALL BE LEFT IN PLACE.

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. ITEM 897- PAVEMENT PLANING, ASPHALT CONCRETE, CLASS A, AS PER PLAN

THIS ITEM SHALL BE IN ACCORDANCE WITH SECTION 897 OF THE CONSTRUCTION AND MATERIALS SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

ESTIMATED QUANTITIES HAVE BEEN PROVIDED FOR THE FOLLOWING WORK: 1.0" MAX. - PLANING FOR BUTT JOINTS:

PLAN INTENT IS TO PROVIDE A SMOOTH RIDING PAVEMENT TRANSITION FROM THE PROPOSED PAVEMENT TYPICAL SECTION TO MEET THE EXISTING PAVEMENT OR BRIDGE DECK AND APPROXIMATE 0.25" ELEVATION TRANSITION IN THE PAVEMENT PROFILE IN ACCORDANCE WITH STANDARD DRAWING BP-3.1 DETAIL FOR "BUTT JOINT" EXCEPT THAT THE MINIMUM LENGTH OF THE BUTT JOINT SHALL BE 50 FOOT PER INCH OF PROPOSED OVERLAY. DEPTH OF PLANING IS VARIABLE FROM A MINIMUM OF 0.75" TO A MAXIMUM OF 1.0".

1.0" - PLANING AT BRIDGES SFN 4000579, 4000609:

PLAN INTENT IS TO PROVIDE A SMOOTH RIDING PAVEMENT TRANSITION AND TO NOT INCREASE THE DEPTH OF THE WEARING COURSE ON THE BRIDGE AND APPROACH SO THAT THE DEAD LOAD ON THE BRIDGE IS NOT INCREASED. PLANING OF BRIDGE DECKS AND APPROACH SLABS SHALL BE FULL WIDTH OF BRIDGE AND APPROACH SLABS AT THE UNIFORM DEPTH OF 1.0" AND VARIABLE ON APPROACH PAVEMENT FROM A MINIMUM OF 0.75" TO A MAXIMUM OF 1.0" IN ACCORDANCE WITH STANDARD DRAWING BP-3.1 DETAIL FOR "FEATHERING AT STRUCTURE" EXCEPT THAT THE MINIMUM LENGTH OF THE"FEATHER" SHALL BE 50 FOOT PER INCH OF PROPOSED OVERLAY ON THE APPROACH PAVEMENT TO THE BRIDGE.

1.0" MAX- PLANING AT THE VEGA ROAD OVERHEAD BRIDGE (SFN 4000692) EASTBOUND AND WESTBOUND.

PLAN INTENT IS TO MAINTAIN EXISTING VERTICAL CLEARANCES.

PRIOR TO PLANING U.S.R. 35 UNDER THE ABOVE MENTIONED OVERHEAD PASS, THE EXISTING VERTICAL CLEARANCES SHALL BE CHECKED AND RECORDED AT EACH BEAM ALONG EDGE LINES AND CENTERLINE OF PAVEMENT. MINIMUM DEPTH OF MILLING UNDER BRIDGE AND ON APPROACHES TO BRIDGE SHALL BE ADJUSTED TO ASSURE THAT THE EXISTING VERTICAL CLEARANCE IS MAINTAINED.

AFTER PAVING IS COMPLETED THE VERTICAL CLEARANCES SHALL BE CHECKED AND RECORDED AT EACH BEAM ALONG EDGE LINES AND CENTERLINE OF PAVEMENT. IF THESE VERTICAL CLEARANCES ARE LESS THAN THE EXISTING VERTICAL CLEARANCES RECORDED ABOVE, THE CONTRACTOR SHALL PERFORM ADDITIONAL CORRECTIVE WORK UNTIL MEASUREMENTS ARE EQUAL TO OR GREATER THAN THE EXISTING VERTICAL CLEARANCES.

INTERIM COMPLETION DATES FOR PAVEMENT PLANING

TRAFFIC SHALL NOT BE REQUIRED TO USE ANY PLANED ROADWAY SURFACE FOR MORE THAN TWENTY-ONE (21) CALENDAR DAYS. SHOULD THE CONTRACTOR FAIL TO MEET THIS REQUIREMENT, DISINCENTIVES SHALL BE ASSESSED IN THE AMOUNT OF \$1000 FOR EACH CALENDAR DAY OR PORTION OF THEREOF BEYOND THE 21 CALENDAR DAYS.

ITEM 617 - COMPACTED AGGREGATE THE FOLLOWING ESTIMATED QUANTITY OF ITEM 617 - COMPACTED AGGREGATE HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR USE TO FILL ANY LOW BERM AREAS AS DIRECTED BY THE ENGINEER.

ITEM 617 - COMPACTED AGGREGATE <u>350 CY</u>

SEEDING AND MULCHING

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH, CARE OF PERMANENT SEEDED AREAS AT SPRING DRAIN AND SHOULDER REPLACEMENT AREA AT S.L.M. 19.861 AND GROUND AROUND GUARDRAIL REPLACEMENT:

- 659, SEEDING AND MULCHING 1156 SQ. YD. 175' x 8' +9000= 10,400 SF / 9 SF/SQ = 1156 SY 659, COMMERCIAL FERTILIZER 0.104 TON 10,400 SF * 20 LBS / 1000 SF = 208 LBS / 2000 LBS / TON 659, LIME 0.239 ACRES
 - 10,400 SF / 43,560 SF / ACRE = 0.239
- 659, WATER 0.840 M. GAL.
 - 10,400 SF * 300 GAL / 1000 SF = 3,120 GAL 2ND APPLICATION @ 300 GAL PER 1000 SF = 3,120 GAL TOTAL = 840 GAL / 1000 GAL/M GAL = 6.240 M.GAL.

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL AT SPRING DRAIN AND SHOULDER REPLACEMENT AREA.

PROFILE AND ALIGNMENT

PLACE THE PROPOSED PAVEMENT TO FOLLOW THE ALIGNMENT AND PROFILE OF THE EXISTING PAVEMENT. PLACE THE PROPOSED ASPHALT CONCRETE OVERLAY AS SHOWN ON THE TYPICAL SECTIONS.

FULL DEPTH PAVEMENT SAWING

AN ESTIMATED QUANTITY FOR FULL DEPTH PAVEMENT SAWING HAS BEEN CALCULATED AND CARRIED TO THE GENERAL SUMMARY. THIS QUANTITY INCLUDES FULL DEPTH PAVEMENT SAWING FOR THE FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT.

ITEM 255 FULL DEPTH PAVEMENT SAWING: 900 LF CALCULATED BY: PAVEMENT JOINT REPAIR: (6'+24'+6'+24') x 15' = 900'

DESIGN AGENCY	
)

DESIGNER		
JE	M	
REVIE	EWER	
DMB		
PROJECT ID		
112993		
SHEET	TOTAL	
P.3	30	

FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, CLASS QC/MS, AS PER PLAN CONT'D

ALL OF THE CONSTRUCTION REQUIREMENTS OF THE CMS FOR ITEM 255 SHALL APPLY.

FULL DEPTH PAVEMENT REPAIRS WILL BE CONSTRUCTED USING THE UNDERCUT DETAILS SHOWN HERE AND ON SCD BP-2.5 AND BP-2.1.

ONE TU TYPE JOINT AND ONE YU TYPE JOINT WILL BE REQUIRED AT EACH REPAIR LOCATION.

NECESSARY PAVEMENT REPAIRS THAT ARE DISCOVERED AT MID-SLAB LOCATIONS SHALL BE TREATED WITH A TU TYPE JOINT AT EACH END.

COMPLETED REPAIRS SHALL BE THE FULL LANE WIDTH OF THE EXISTING CONCRETE PAVEMENT WITH REPAIR LENGTH AND LOCATION DETERMINED BY THE ENGINEER.

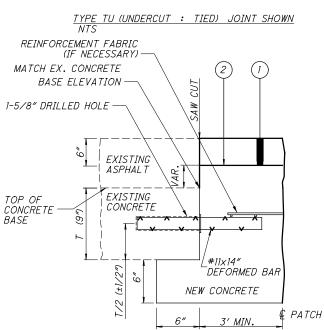
EACH CONCRETE REPAIR SHALL BE COVERED WITH 6" OF ITEM 301, ASPHALT CONCRETE BASE, PG64-22.

THE SMOOTHNESS OF ASPHALT REPAIRS CANNOT EXCEED 1/4" FROM THE TESTING EDGE OF A 10 FOOT STRAIGHT EDGE THAT IS SATISFACTORY TO THE ENGINEER. CORRECT VARIATIONS IN EXCESS OF SURFACE TOLERANCES BY SURFACE GRINDING IN A MANNER SATISFACTORY TO THE ENGINEER AT NO ADDITIONAL COST TO THE STATE.

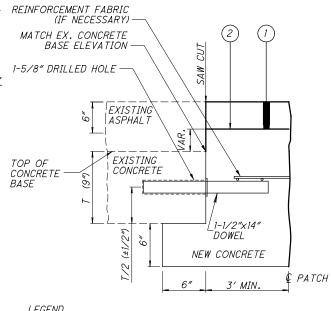
IN ADDITION TO THE QUANTITIES IN 255.10, THE ESTIMATED QUANTITY LISTED BELOW HAVE BEEN INCLUDED AND CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER:

ITEM 255: FULL DEPTH PAVEMENT REMOVAL AND RIGID REPLACEMENT, CLASS QC/MS, AS PER PLAN 240 SY

FULL DEPTH REPAIR DETAILS (PRIOR TO MILL & FILL)



TYPE YU (UNDERCUT : CONTRACTION) JOINT SHOWN



LEGEND

- 301 6" ASPHALT CONCRETE BASE. PG64-22
- (2)407 NON-TRACKING TACK COAT (0.085 GAL/SY)

PAVING UNDER GUARDRAIL

THIS OPERATION SHALL INCLUDE PREPARATION OF THE GRADED SHOULDER USING ITEM 209, LINEAR GRADING, AS PER PLAN AND PAVING UNDER THE GUARDRAIL USING 441 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448), UNDER GUARDRAIL, AS PER PLAN.

ITEM 209, LINEAR GRADING, AS PER PLAN SHALL CONSIST OF EXCAVATING TOPSOIL, AND PLACING GRANULAR MATERIAL.

ALL COLLECTED DEBRIS AND TOPSOIL, INCLUDING RHIZOMES, ROOTS AND OTHER VEGETATIVE PLANT MATERIAL SHALL BE REMOVED AND DISPOSED OF AS SPECIFIED IN 105.17.

THE REMOVED MATERIAL SHALL BE REPLACED WITH COMPACTABLE GRANULAR MATERIAL CONFORMING TO 703.16 PLACED TO GRADE AS DETAILED ON THE TYPICAL SECTION OR AS APPROVED BY THE ENGINEER.

ALL EQUIPMENT, MATERIALS AND LABOR REQUIRED TO PERFORM THE WORK OUTLINED ABOVE SHALL BE INCLUDED FOR PAYMENT UNDER ITEM 209, LINEAR GRADING, AS PER PLAN.

PAVING UNDER GUARDRAIL SHALL CONSIST OF PLACING ITEM 441 TO THE DEPTH SPECIFIED USING ONE OF THE FOLLOWING METHODS:

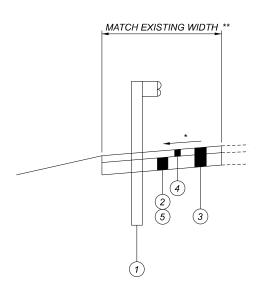
METHOD A:

- 1. SET GUARDRAIL POSTS
- 2. PLACE ITEM 441

METHOD B:

- 1. PLACE ITEM 441
- 2. BORE ASPHALT AT POST LOCATIONS (MAY BE OMITTED IF STEEL POSTS ARE USED)
- 3. SET GUARDRAIL POSTS
- 4. PATCH AROUND POSTS. THE MATERIALS USED FOR PATCHING SHALL BE AN ASPHALT CONCRETE APPROVED BY THE ENGINEER. PATCHED AREAS SHALL BE COMPACTED USING EITHER HAND OR MECHANICAL METHODS. FINISHED SURFACES SHALL BE SMOOTH AND SLOPED TO DRAIN AWAY FROM THE POSTS.

ALL EQUIPMENT, MATERIALS AND LABOR REQUIRED TO PERFORM THE WORK OUTLINED ABOVE. WITH THE EXCEPTION OF SETTING GUARDRAIL POSTS, SHALL BE INCLUDED FOR PAYMENT UNDER ITEM 441, ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 1 (448), UNDER GUARDRAIL, AS PER PLAN.



MATCH THE EXISTING CROSS SLOPES 5'-0" WAS USED FOR CALCULATION PURPOSES

ITEM 606 - GUARDRAIL, TYPE MGS

 $2 \times (450'+62.5'+50'+12.5'+62.5'+25'+32.5') = 1390'$

ITEM 209 - LINEAR GRADING, AS PER PLAN

1390' / 5280' / MILE = 0.27 MILE

ITEM 209 - 4" BORROW

2 x 695' x 5' x (4"/12') = 85.8 CY

ITEM 441 - 2" ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 1 (448), UNDER GUARDRAIL, AS PER PLAN

2 x 695' x 5' x (2"/12') = 1158.4 CY

ITEM 202 - PAVEMENT REMOVED

2 x 695' x 5' / 9 = 774 SY

GENERAL NOTES SIGN JEM DMB 112993

P.4 30

ITEM 614, MAINTAINING TRAFFIC

A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT AND THE COMPLETED PAVEMENT.

BEFORE THE WORK BEGINS, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER THE NAME(S) AND TELEPHONE NUMBER(S) OF A PERSON OR PERSONS WHO CAN BE CONTACTED TWENTY-FOUR (24) HOURS PER DAY BY THE OHIO DEPARTMENT OF TRANSPORTATION AND ALL INTERESTED POLICE AGENCIES. THIS PERSON OR PERSONS SHALL BE RESPONSIBLE FOR PLACING OR REPLACING NECESSARY TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

THROUGHOUT THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAITENANCE 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. THIS NOTIFICATION SHALL BE RECIEVED 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 AND SHALL LIST THE SPECIFIC LOCATION. TYPE OF WORK. ROAD STATUS. DATE AND TIME OF INSPECTION, DURATION OF RESTRICTION. NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVEABLE PAVEMENT DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

NOTIFICATION TIME TABLE

ITEM	DURATION OF CLOSURE	NOTICE DUE TO PERMITS & PIO
	>= 2 WEEKS	21 CALENDAR DAYS PRIOR TO CLOSURE
RAMP & ROAD CLOSURES	> 12 HOURS & <2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	<= 2 WEEKS	4 DAYS PRIOR TO CLOSURE
LANE CLOSURES & RESTRICTIONS	>= 2 WEEKS	<i>14 CALENDAR DAYS PRIOR TO CLOSURE</i>
	< 2 WEEKS	5 CALENDAR DAYS PRIOR TO CLOSURE
START OF CONST. & TRAFFIC PATTERN CHANGES	N/A	14 CALENDAR DAYS PRIOR TO CLOSURE

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

THE CONTRACTOR SHALL ARRANGE FOR ALL MAITENANCE OF TRAFFICOPERATIONS SUCH THAT THERE WILL BE NO OBSTRUCTIONS TO THE CONTINUOUS FLOW OF TRAFFIC. ALL INTERSECTIONS AND DRIVEWAYS SHALL BE OPEN TO TRAFFIC AT ALL TIMES UNLESS OTHERWISE SHOWN IN THE PLAN.

ITEM 614, MAINTAINING TRAFFIC CONT'D

NO WORK SHALL BE PERFORMED AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC EXCEPT LANE CLOSURES WITH PORTABLE BARRIER DURING THE FOLLOWING DESIGNATED HOLIDAYS OR EVENTS:

CHRISTMAS FOURTH OF JULY NEW YEAR'S LABOR DAY MEMORIAL DAY THANKSGIVING (OTHER HOLIDAY OR EVENT)

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 TIME ALL LANES OR EVENT MUST BE OPEN TO TRAFFIC

SUNDAY 12:00N FRIDAY THROUGH 6:00AM MONDAY MONDAY 12:00N FRIDAY THROUGH 6:00AM TUESDAY TUESDAY 12:00N MONDAY THROUGH 6:00AM WEDNESDAY WEDNESDAY 12:00N TUESDAY THROUGH 6:00AM THURSDAY THURSDAY 12:00N WEDNESDAY THROUGH 6:00AM FRIDAY THURSDAY (THANKSGIVING ONLY)

6:00AM WEDNESDAY THROUGH 6:00AM MONDAY FRIDAY 12:00N THURSDAY THROUGH 6:00AM MONDAY SATURDAY 12:00N FRIDAY THROUGH 6:00AM MONDAY

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE PER THE LANE VALUE CONTRACT (PN 127).

LANE VALUE CONTRACT TABLE

DESCRIPTION OF CRITICAL LANE	TIME UNIT	DISINCENTIVE \$ PER TIME UNIT
1 LANE EB & WB OF JAC US-35 FROM SLM 18.92 TO SLM 23.94	EACH MINUTE	\$75.00

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAITENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

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.

SUGGESTED CONSTRUCTION SEQUENCE

THE FOLLOWING IS A SUGGESTED SEQUENCE FOR MAINTENANCE OF TRAFFIC AND CONSTRUCTION FOR THE STRUCTURE JAC-35-1892 L&R ON THIS PROJECT. SEE SHEET 16 FOR ADDITIONAL DETAILS AND QUANTITIES ASSOCIATED WITH THE FOLLOWING PHASES. FOR DETAILS NOT SHOWN ON THESE PLANS. CONSULT THE APPROPRIATE STANDARD CONSTRUCTION DRAWINGS.

PHASE 1: SET UP TRAFFIC CONTROL IN ACCORDANCE WITH SCD MT-95.30 AND PERFORM PAVEMENT PLANING AND RESURFACING ON THE EXISTING SHOULDERS AS DISCUSSED ON THIS SHEET.

PHASE 2: SET UP TRAFFIC CONTROL IN ACCORDANCE WITH SCD MT-95.40 AND AS SHOWN ON SHEETS 8-11 TO CLOSE THE DRIVING LANES OF BOTH EASTBOUND AND WESTBOUND TRAFFIC ON U.S.R. 35. CONSTRUCT PHASE 1 PORTION OF THE STRUCTURE JAC-35-1892 WITH THE EXCEPTION OF THE ASPHALT CONCRETE SURFACE COURSE

PHASE 3: SET UP TRAFFIC CONTROL IN ACCORDANCE WITH SCD MT-95.40 AND AS SHOWN ON SHEETS 12-15 TO CLOSE THE PASSING LANES OF BOTH EASTBOUND AND WESTBOUND TRAFFIC ON U.S.R. 35. CONSTRUCT PHASE 2 PORTION OF THE STRUCTURE JAC-35-1892 WITH THE EXCEPTION OF THE ASPHALT CONCRETE SURFACE COURSE

PHASE 4: SET UP TRAFFIC CONTROL IN ACCORDANCE WITH SCD MT-95.30 AND PERFORM PAVEMENT PLANING. PLACE REMAINING ASPHALT CONCRETE COURSES, AND PLACE THE PERMANENT PAVEMENT MARKINGS.

WORK ZONE SPEED ZONES (WZSZS)

THE FOLLOWING WORK ZONE SPEED ZONE (WZSZ) SPEED LIMIT REVISION(S) HAVE BEEN APPROVED FOR USE ON THIS PROJECT WHEN WORK ZONE CONDITIONS AND FACTORS ARE MET AS DESCRIBED BELOW:

WZSZ REVISION NUMBER(S) COUNTY-ROUTE-SECTION(S) DIRECTION(S) WZ-50382

POTENTIAL WZSZ LOCATIONS SHALL HAVE AN ORIGINAL (PRE-CONSTRUCTION) POSTED SPEED LIMIT OF 55 MPH OR GREATER. A QUALIFYING WORK ZONE CONDITION OF AT LEAST 0.5 MILE IN LENGTH, AN EXPECTED WORK DURATION OF AT LEAST THREE HOURS, AND A WORK ZONE CONDITION IN PLACE THAT REDUCES THE EXISTING FUNCTIONALITY OF THE TRAVEL LANES OR SHOULDERS (I.E., LANE CLOSURE, LANE SHIFT, CROSSOVER, CONTRAFLOW AND/OR SHOULDER CLOSURE). THE LENGTH OF THE WORK ZONE CONDITION IS MEASURED FROM THE BEGINNING OF THE TAPER FOR THE SUBJECT WORK ZONE CONDITION IMPACTING THE TRAVEL LANES AND/OR SHOULDER TO THE END OF THE DOWNSTREAM TAPER, WHERE DRIVERS ARE RETURNED TO TYPICAL ALIGNMENT. AN EXPECTED WORK DURATION OF AT LEAST THREE HOURS IS REQUIRED TO BALANCE THE ADDITIONAL EXPOSURE CREATED BY INSTALLING AND REMOVING WZSZ SIGNING WITH THE TIME NEEDED TO COMPLETE THE WORK.

IF THE WORK ZONE MEETS THESE MINIMUM CRITERIA, IT SHALL BE ANALYZED FURTHER USING TABLE 1 BELOW TO DETERMINE IF AND WHEN IT QUALIFIES FOR A SPEED LIMIT REDUCTION. DEPENDING ON THE ORIGINAL POSTED SPEED LIMIT, THE TYPE OF TEMPORARY TRAFFIC CONTROL USED, AND WHETHER OR NOT WORKERS ARE PRESENT. A WARRANTED WZSZ WILL VARY IN THE APPROVED SPEED LIMIT TO BE POSTED OVER TIME.

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OR PC S

C&MS ITEM 614. PARAGRAPH 614.02(B). INDICATES THAT TWO DIRECTIONS OF A DIVIDED HIGHWAY ARE CONSIDERED SEPARATE HIGHWAY SECTIONS. THEREFORE. IF THE WORK ON A MULTI-LANE DIVIDED HIGHWAY IS LIMITED TO ONLY ONE DIRECTION, A SPEED LIMIT REDUCTION IN THE DIRECTION OF THE WORK DOES NOT AUTOMATICALLY CONSTITUTE A SPEED LIMIT REDUCTION IN THE OPPOSITE DIRECTION. EACH DIRECTION SHALL BE ANALYZED INDEPENDENTLY FROM EACH OTHER.

WZSZ.

WZSZS USING DSL SIGN ASSEMBLIES SHALL BE IN ACCORDANCE WITH THIS NOTE, APPROVED LIST, SUPPLEMENTAL SPECIFICATIONS (SS) 808 AND 908, AND TRAFFIC SCD MT-104.10.]

ONLY ONE WARRANTED SPEED LIMIT APPLIES AT ANY ONE TIME; SPEED LIMIT REDUCTIONS ARE NOT CUMULATIVE. WZSZS SHALL NOT BE USED FOR MOVING/MOBILE ACTIVITIES, AS DEFINED IN OMUTCD PART 6.

WORK ZONE SPEED ZONES (WZSZS) CONT'D

ALL WZSZS FLUCTUATE BETWEEN TWO APPROVED REDUCED SPEED LIMITS OR BETWEEN AN APPROVED REDUCED SPEED LIMIT AND THE ORIGINAL POSTED SPEED LIMIT. ONLY ONE OF TWO SIGNING STRATEGIES SHALL BE USED TO IMPLEMENT A

WHEN LOOKING UP THE WARRANTED WORK ZONE SPEED LIMITS. ALWAYS USE THE ORIGINAL, PRECONSTRUCTION, POSTED SPEED LIMIT. DO NOT USE A PRIOR OR CURRENT WORK ZONE SPEED LIMIT AS A LOOK UP VALUE IN THE TABLE. POSITIVE PROTECTION IS GENERALLY REGARDED AS PORTABLE BARRIER OR OTHER RIGID BARRIER IN USE ALONG THE WORK AREA WITHIN THE SUBJECT WARRANTED WORK ZONE CONDITION. WITHOUT POSITIVE PROTECTION IS GENERALLY REGARDED AS USING DRUMS, CONES, SHADOW VEHICLE, ETC., ALONG THE WORK AREA WITHIN THE SUBJECT WARRANTED WORK ZONE CONDITION WORKERS ARE CONSIDERED AS BEING PRESENT WHEN ON-SITE, WORKING WITHIN THE SUBJECT WARRANTED WORK ZONE CONDITION. WHEN THE WORK ZONE CONDITION REDUCING THE EXISTING FUNCTIONALITY OF THE TRAVEL LANES OR SHOULDERS IS REMOVED, THE SPEED LIMIT DISPLAYED SHALL RETURN TO THE ORIGINAL POSTED SPEED LIMIT.

TABLE 1: WARRANTED WORK ZONE SPEED LIMITS (MPH) FOR WORK ZONES ON HIGH-SPEED (55 MPH OR GREATER) MULTI-LANE HIGHWAYS

RIGINAL	WITH POSITIVE	WITHOUT POSITIVE
OSTED	PROTECTION WORKERS	PROTECTION WORKERS
SPEED	PRESENT / WORKERS	PRESENT / WORKERS NOT
LIMIT	NOT PRESENT	PRESENT
60	55 / 60	50 / 60



WORK ZONE SPEED ZONES (WZSZS) CONT'D

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY.

ITEM 808, DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY 42 SIGN MONTH ASSUMING 14 DSL SIGN ASSEMBLIES FOR 3 MONTH(S)

CALCULATED BY:

SPACING = 1.0 MILES FOR SPEED ZONE AREA = 5.02/1.0 MILES = 5.02 SIGNS OR 6.0 SIGNS + 1 (FIRST SIGN) = 7 SIGNS BOTH EB & WB = 7*2 = 14 SIGNS

WORK ZONE INCREASED PENALTIES SIGN (R11-H5A)

R11-H5A-48 SIGNS SHALL BE FURNISHED FRECTED AND MAINTAINED IN GOOD CONDITION AND/OR REPLACED AS NECESSARY AND SUBSEQUENTLY REMOVED BY THE CONTRACTOR. SIGNS SHALL BE MOUNTED AT THE APPROPRIATE OFFSETS AND ELEVATIONS AS PRESCRIBED BY THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. THEY SHALL BE MAINTAINED ON SUPPORTS MEETING CURRENT SAFETY CRITERIA

THE SIGNS MAY BE ERECTED OR UNCOVERED NO MORE THAN FOUR HOURS BEFORE THE ACTUAL START OF WORK. THE SIGNS SHALL BE REMOVED OR COVERED NO LATER THAN FOUR HOURS FOLLOWING RESTORATION OF ALL LANES TO TRAFFIC WITH NO RESTRICTIONS, OR SOONER AS DIRECTED BY THE ENGINEER. TEMPORARY SIGN COVERING AND UNCOVERING DUE TO TEMPORARY LANE RESTORATIONS SHALL BE GUIDED BY THE FOUR-HOUR LIMITATIONS STATED ABOVE. SUCH LANE RESTORATIONS SHOULD BE EXPECTED TO REMAIN IN EFFECT FOR 30 OR MORE CONSECUTIVE CALENDAR DAYS, SUCH AS DURING WINTER SHUT-DOWNS.

THE SIGNS ON THE MAINLINE SHALL BE DUAL MOUNTED UNLESS NOT PHYSICALLY POSSIBLE. THE FIRST SIGN SHALL BE PLACED BETWEEN THE ROAD WORK AHEAD (W20-1) SIGN AND THE NEXT SIGN IN THE SEQUENCE. SIGNS SHALL BE ERECTED ON EACH ENTRANCE RAMP AND EVERY 2 MILES THROUGH THE CONSTRUCTION WORK LIMITS. SIGNS ON THE MAINLINE SHALL BE R11-H5A-48. SIGNS USED ON THE RAMPS SHALL BE R11-H5A-24. R11-H5A-24 SIGNS MAY BE USED IN THE MEDIAN IN LIEU OF R11-H5A-48 SIGNS IF IT IS NOT PHYSICALLY POSSIBLE TO PROVIDE R11-H5A-48 SIGNS IN THE MEDIAN.

THE R11-H5A-48 SIGNS SHALL BE MOUNTED ON 2 NO. 3 POSTS WHEN LOCATED WITHIN CLEAR ZONES.

THE CONTRACTOR MAY USE SIGNS AND SUPPORTS IN USED, BUT GOOD, CONDITION PROVIDED THE SIGNS MEET CURRENT ODOT SPECIFICATIONS. SIGN FACES SHALL BE RETROREFLECTORIZED WITH TYPE G SHEETING COMPLYING WITH THE REQUIREMENTS OF C&MS 730.19.

WORK ZONE INCREASED PENALTIES SIGNS AND SUPPORTS WILL BE MEASURED AS THE NUMBER OF SIGN INSTALLATIONS. INCLUDING THE SIGN AND NECESSARY SUPPORTS. IF A SIGN AND SUPPORT COMBINATION IS REMOVED AND REERECTED AT ANOTHER LOCATION AS DIRECTED BY THE ENGINEER. IT SHALL BE CONSIDERED ANOTHER UNIT.

WORK ZONE INCREASED PENALTIES SIGN (R11-H5A) CONT'D

PAYMENT FOR ACCEPTED QUANTITIES, COMPLETE, IN PLACE WILL BE MADE AT THE CONTRACT UNIT PRICE. PAYMENT SHALL BE FULL COMPENSATION FOR ALL MATERIALS. LABOR. INCIDENTALS AND EQUIPMENT FOR FURNISHING, ERECTING, MAINTAINING. COVERING DURING SUSPENSION OF WORK. AND REMOVAL OF THE SIGN AND SUPPORT.

ITEM 614, WORK ZONE INCREASED PENALTIES SIGN 10 EACH

ITEM 614, WORK ZONE IMPACT ATTENUATOR FOR 24" WIDE HAZARDS (UNIDIRECTIONAL)

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING A NON-GATING IMPACT ATTENUATOR. FURNISH AN IMPACT ATTENUATOR FROM THE OFFICE OF ROADWAY ENGINEERING'S APPROVED LIST FOR WORK ZONE IMPACT ATTENUATORS FROM THE ROADWAY STANDARDS APPROVED PRODUCTS WEB PAGE.

INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS

THE CONTRACTOR SHALL REPAIR OR REPLACE A DAMAGED UNIT WITHIN 24 HOURS OF A DAMAGING IMPACT.

WHEN BIDIRECTIONAL DESIGNS ARE SPECIFIED, THE CONTRACTOR SHALL SUPPLY APPROPRIATE TRANSITIONS.

WHEN GATING IMPACT ATTENUATORS ARE DESIRED, THE CONTRACTOR SHALL SUBMIT DOCUMENTATION TO THE ENGINEER FOR ACCEPTANCE.

THE COST FOR THE ADDITIONAL BARRIER REQUIRED FOR A GATING IMPACT ATTENUATOR SHALL BE INCLUDED IN THE COST OF THE GATING IMPACT ATTENUATOR

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT AND MAINTAIN A COMPLETE AND FUNCTIONAL IMPACT ATTENUATOR SYSTEM, INCLUDING ALL RELATED BACKUPS, TRANSITIONS, LEVELING PADS. HARDWARE AND GRADING. NOT SEPARATELY SPECIFIED. AS REQUIRED BY THE MANUFACTURER.

ITEM 614, PORTABLE CHANGEABLE MESSAGE SIGNS, AS PER PLAN

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. FACH 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.

ITEM 614, PORTABLE CHANGEABLE MESSAGE SIGNS, AS PER PLAN

THE PROBABLE PCMS LOCATIONS AND WORK LIMITS FOR THOSE LOCATIONS WILL BE AT THE BEGIN AND END OF PROJECT LIMITS. PLACEMENT. OPERATION. MAINTENANCE AND ALL ACTIVATION OF THE SIGNS BY THE CONTRACTOR SHALL BE AS DIRECTED BY THE ENGINEER. 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 IE NECESSARY

THE CONTRACTOR SHALL IMPLEMENT A SYSTEM WHEREBY CHANGEABLE MESSAGES WILL BE IMPLEMENTED WITHIN **4 HOURS FOLLOWING TELEPHONE NOTIFICATION FROM** THE PROJECT ENGINEER TO A DESIGNATED PHONE.

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.

BARRIER REFLECTORS AND OBJECT MARKERS SHALL BE INSTALLED ON ALL PORTABLE BARRIER (PB) USED FOR TRAFFIC CONTROL; AND, ON PERMANENT CONCRETE BARRIER (INCLUDING BRIDGE PARAPETS) LOCATED WITHIN 5 FEET OF THE EDGE OF THE ADJACENT TRAVEL LANE.

BARRIER REFLECTORS SHALL CONFORM TO C&MS 626. EXCEPT THAT THE SPACING SHALL BE AS PER TRAFFIC SCD MT-101.70. OBJECT MARKERS AND THEIR INSTALLATION SHALL CONFORM TO C&MS 614.03 AND SCD MT-101.70. WHEN THE PB CONTAINS GLARE SCREEN, ONE SET OF THREE VERTICAL STRIPES OF SHEETING SHALL BE CONSIDERED EQUIVALENT TO AN OBJECT MARKER, ONE-WAY.

INCREASED BARRIER DELINEATION, AS SPECIFIED HEREIN, SHALL BE INSTALLED ON ALL PB AND PERMANENT CONCRETE BARRIER LOCATED WITHIN 5 FEET OF THE EDGE OF THE TRAVELED LANE UNDER EITHER OF THE FOLLOWING CONDITIONS: ALONG TAPERS AND TRANSITION AREAS; OR ALONG CURVES (OUTSIDE ONLY) WITH DEGREE OF CURVATURE GREATER THAN OR EQUAL TO 3 DEGREES.

THE INCREASED BARRIER DELINEATION SHALL CONSIST OF EITHER DELINEATION PANELS OR THE TRIPLE STACKING OF WORK ZONE BARRIER REFLECTORS.

DELINEATION PANELS SHALL CONSIST OF PANELS OF DELINEATION, APPROXIMATELY 34 INCHES LONG AND 6 INCHES WIDE AND SHALL BE "CRIMPED." PANELS SHALL BE INSTALLED AND SPACED PER TRAFFIC SCD MT-101.70.

TRIPLE-STACKED BARRIER REFLECTORS SHALL CONSIST OF ALIGNING THREE BARRIER REFLECTORS VERTICALLY, AT LOCATIONS WHERE A SINGLE BARRIER REFLECTOR WOULD BE OTHERWISE ATTACHED. THERE SHALL BE NO OPEN SPACE BETWEEN THE ADJACENT BARRIER REFLECTORS. THE TRIPLE-STACKED BARRIER REFLECTORS SHALL CONFORM TO C&MS 626, EXCEPT THAT THEY SHALL BE SPACED AND ALIGNED PER TRAFFIC SCD MT-101.70.

ITEM 614, PORTABLE CHANGEABLE MESSAGE SIGNS, AS PER PLAN

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 12 SIGN MONTH ASSUMING 2 PCMS SIGN(S) FOR 6 MONTH(S)

DELINEATION OF PORTABLE AND PERMANENT BARRIER



DUST CONTROL

THE CONTRACTOR SHALL FURNISH AND APPLY WATER FOR DUST CONTROL AS DIRECTED BY THE ENGINEER. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED FOR DUST CONTROL PURPOSES:

ITEM 616, WATER 1 M. GAL.

WORK ZONE MARKINGS AND SIGNS

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AT LOCATIONS IDENTIFIED BY THE ENGINEER FOR WORK ZONE PAVEMENT MARKINGS AND SIGNS PER THE REQUIREMENTS OF C&MS 614.04 AND 614.11.

ITEM 614, WORK ZONE,	
MARKING SIGN	11 EACH
ITEM 614, WORK ZONE,	
EDGE LINE, CLASS I, 6" 740.06, TYPE 1	0.55 MILE
ITEM 614, WORK ZONE,	
DOTTED LINE, CLASS I, 6" 740.06, TYPE 1	2880 FT
ITEM 614, WORK ZONE,	
LANE LINE, CLASS III, 6" 642 PAINT	10.04 MILE

ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS

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 OMUTCD INTENDS THAT FLAGGERS BE USED.

IN ADDITION TO THE REQUIREMENTS OF C&MS 614 AND THE OMUTCD, 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 OMUTCD, 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 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).

ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS

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.

THE LEO SHALL REPORT IN TO THE CONTRACTOR PRIOR TO THE START OF THE SHIFT, IN ORDER TO RECEIVE INSTRUCTIONS REGARDING 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 THAT 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 40 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.

DELINEATION OF TEMPORARY AND PERMANENT GUARDRAIL

BARRIER REFLECTORS SHALL BE INSTALLED ON ALL TEMPORARY GUARDRAIL USED FOR TRAFFIC CONTROL; AND, ON ALL PERMANENT GUARDRAIL LOCATED WITHIN 5 FEET OF THE EDGE OF THE ADJACENT TRAVEL LANE. BARRIER REFLECTORS SHALL CONFORM TO C&MS 626 AND THE SPACING SHALL BE APPROXIMATELY 50 FEET.

OBJECT MARKERS SHALL BE INSTALLED ON ALL TEMPORARY AND PERMANENT GUARDRAIL LOCATED WITHIN 5 FEET OF THE EDGE OF THE ADJACENT TRAVEL LANE. GUARDRAIL-MOUNTING OF OBJECT MARKERS SHALL BE MADE BY INSTALLING THE OBJECT MARKERS ON THE EXTENSION BLOCKS RATHER THAN DIRECTLY ONTO THE GUARDRAIL ITSELF. OBJECT MARKERS SHALL CONFORM TO C&MS 614.03 AND THE SPACING SHALL BE APPROXIMATELY 50 FEET WITH A 25 FOOT OFFSET FROM THE BARRIER REFLECTORS.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE PLANS AND CARRIED TO THE GENERAL SUMMARY:

ITEM 614, BARRIER REFLECTOR, TYPE 3 ONE-WAY 4 EACH

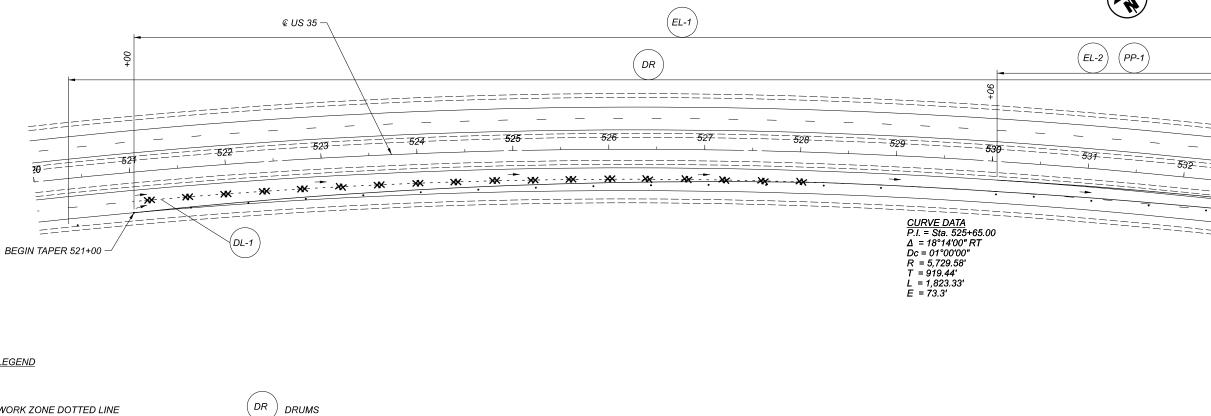
ITEM 614, OBJECT MARKER, ONE-WAY 4 EACH

PAYMENT SHALL BE FULL COMPENSATION FOR ALL MATERIAL, LABOR, INCIDENTALS AND EQUIPMENT NECESSARY FOR FURNISHING, INSTALLING, MAINTAINING AND REMOVING THE ABOVE ITEM(S).

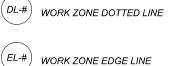
EXISTING SHOULDERS

QUANTITIES HAVE BEEN CALCULATED IN THE PAVEMENT CALCULATIONS SUB-SUMMARY AND CARRIED TO THE GENERAL SUMMARY FOR MILLING 0.75" AND RESURFACING 1" OF THE EXISTING SHOULDERS.

MAINTENANCE OF TRAFFIC - GENERAL NOTES
DESIGN AGENCY
DESIGNER JEM REVIEWER DMB PROJECT ID 112993 SHEET TOTAL P.7 30



<u>LEGEND</u>

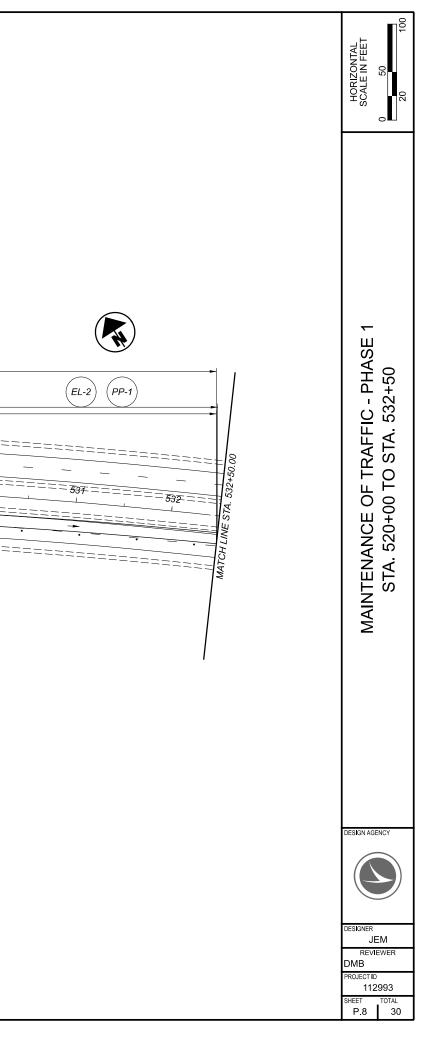


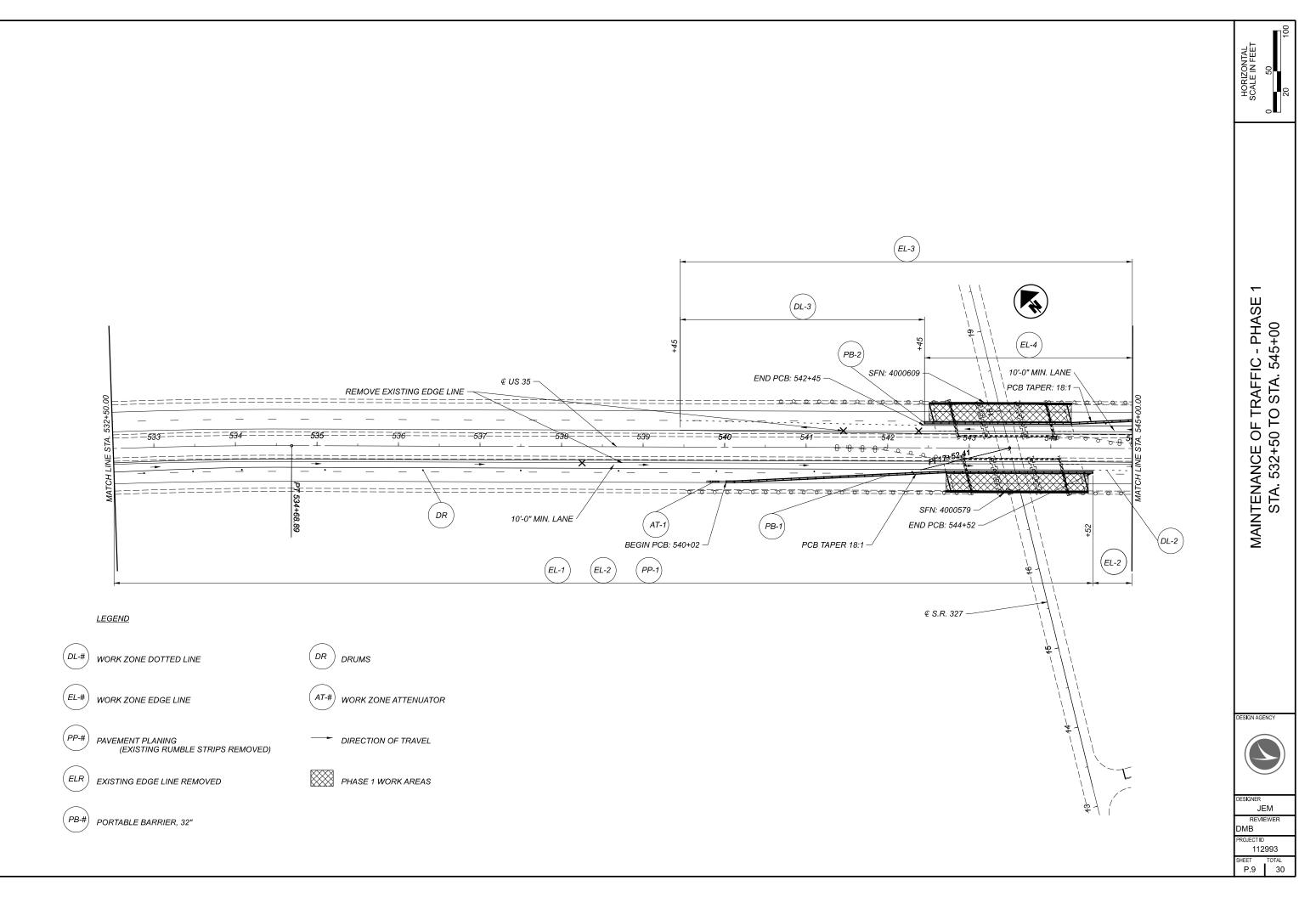


K REMOVE EXISTING MARKINGS

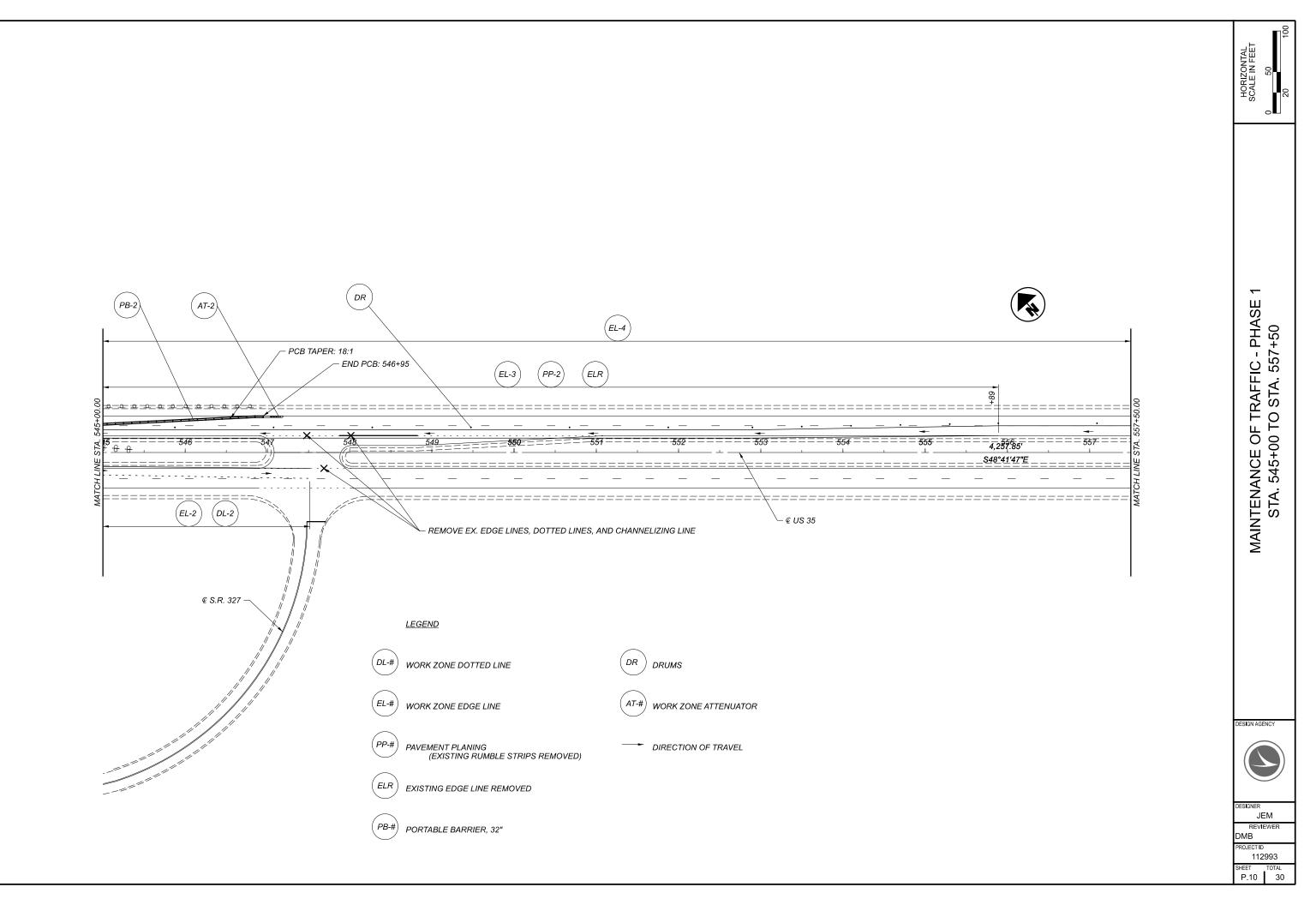
DIRECTION OF TRAVEL

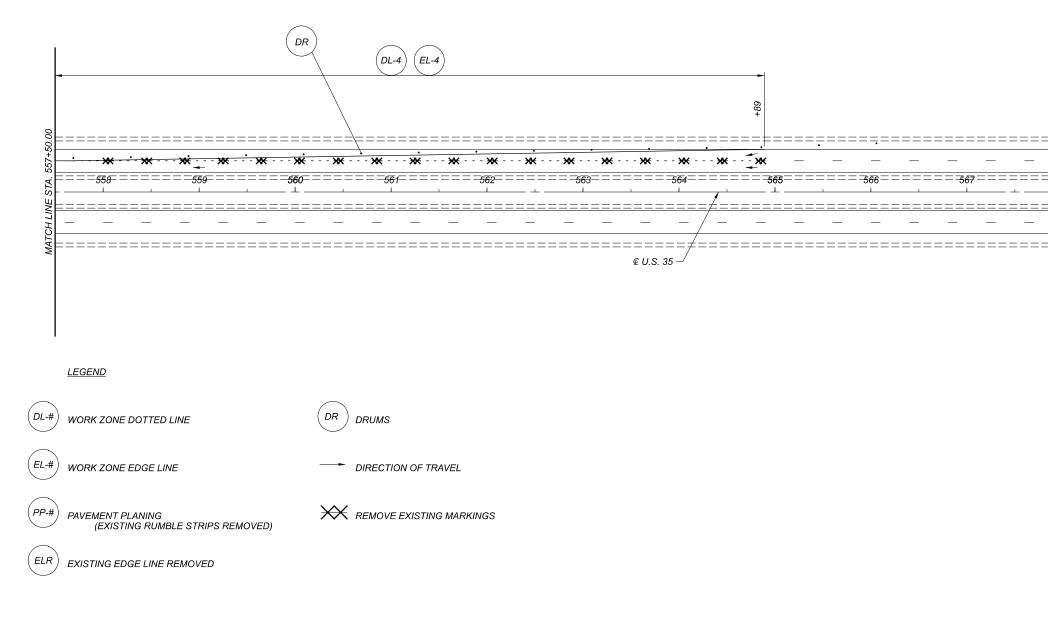
(ELR EXISTING EDGE LINE REMOVED

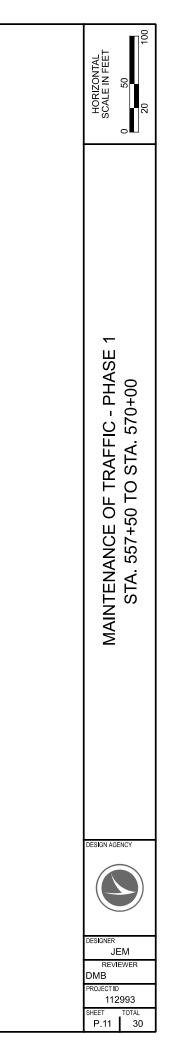




USER: jmclaug2 ic+_09\.lock.con DATE: 2/25/2022 TIME: 8:57:28 AM cuments/01Active Projects/Distri II PAPERSIZE: I7×II (în.) Plan : EL: CLRWXUSR39 -



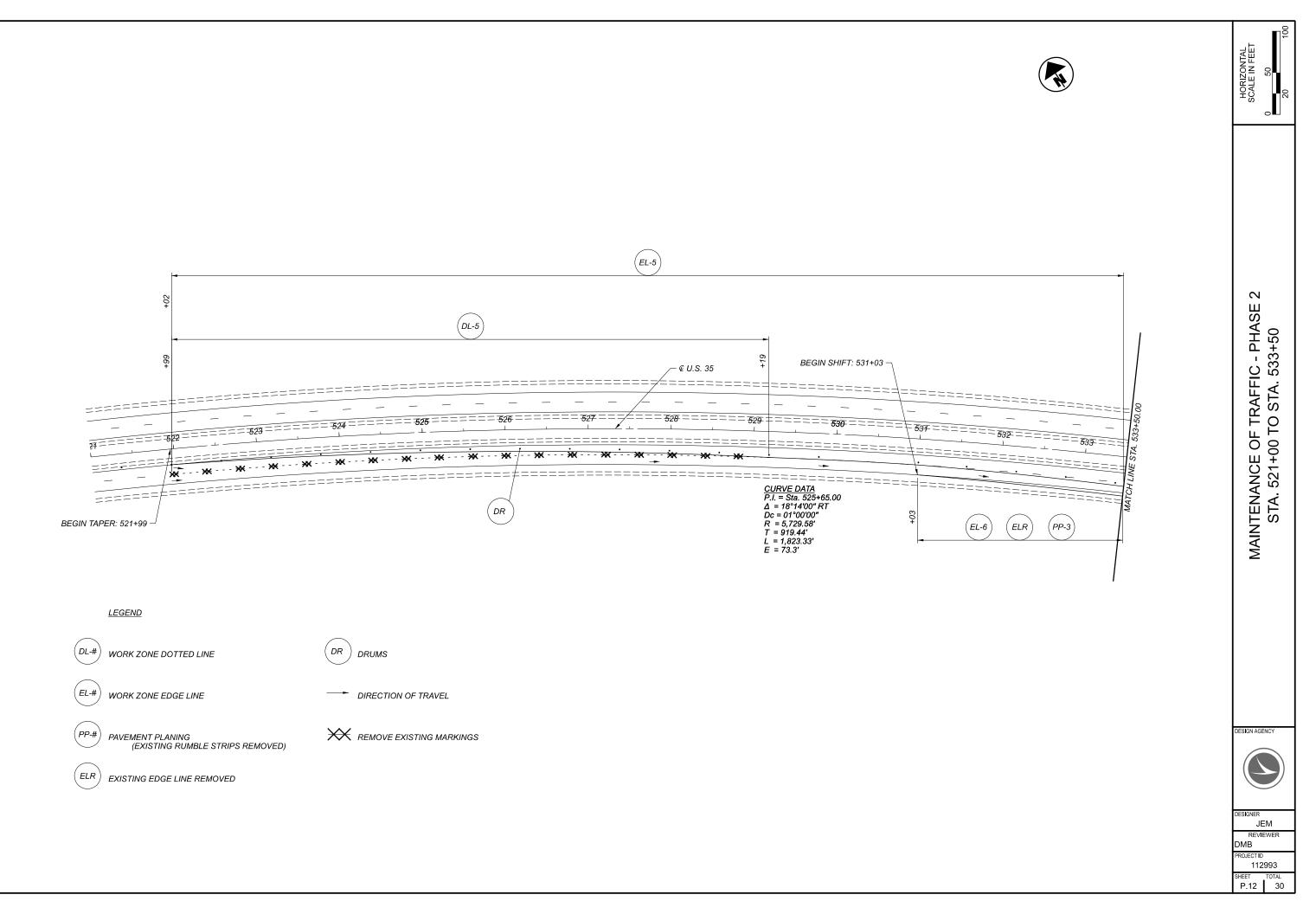


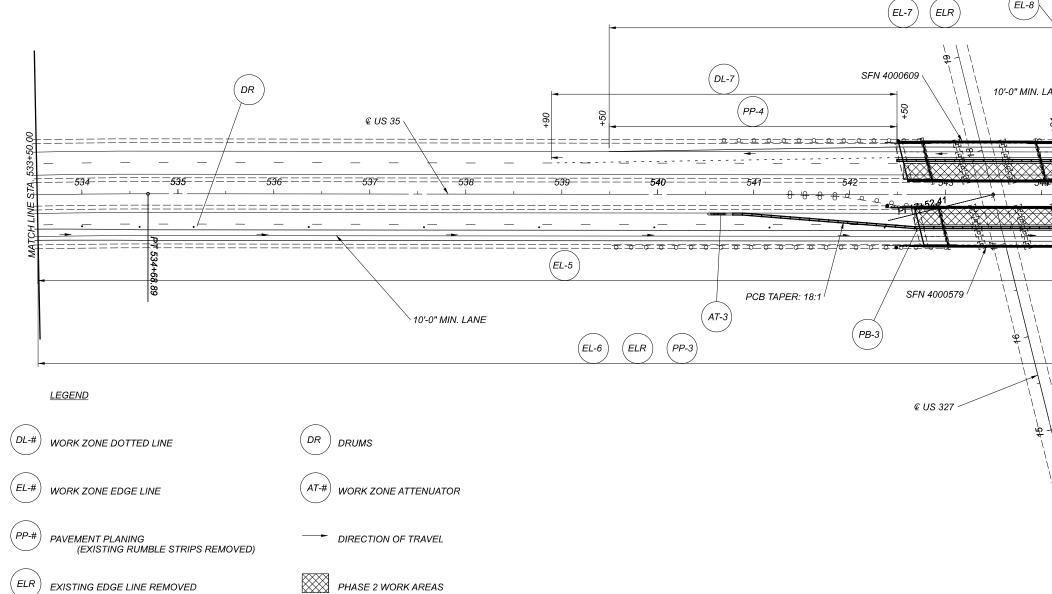




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					-	_			_	_						_	_			
=	-5 6	58	=	=	=	=	=	=	=	-5	6 9	=	=	=	=	=	=	=	-5	,
=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	-
		_				_			_	_			_			_	_		_	-

DATE: 2/25/2022 TIME: 8:57:52 AM USER: jmclaug2 ments/01Active Projects/District 09/Jackson/112 PAPERSIZE: 17×11 (1n.) ₽ JAC-35-18.92 MODEL: CLRWXUSR36 - Plan ow^\\ohiodot-pw.bentley.c



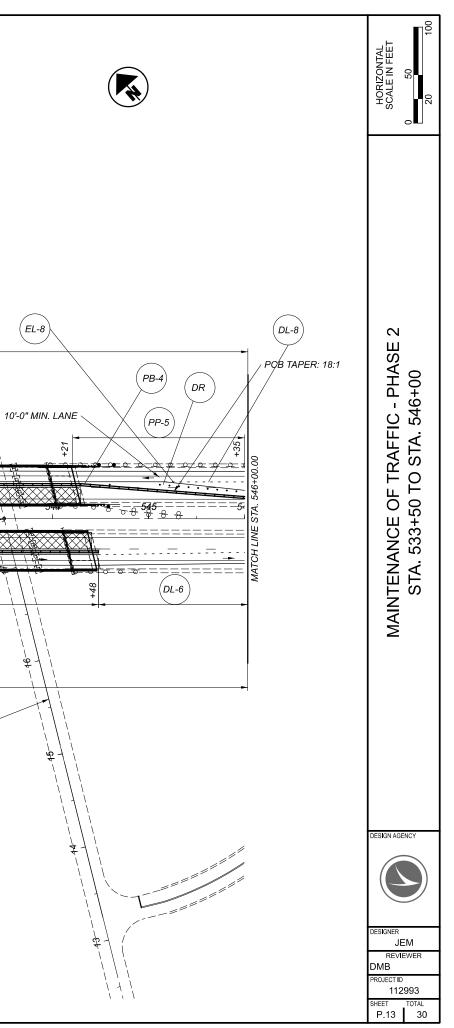


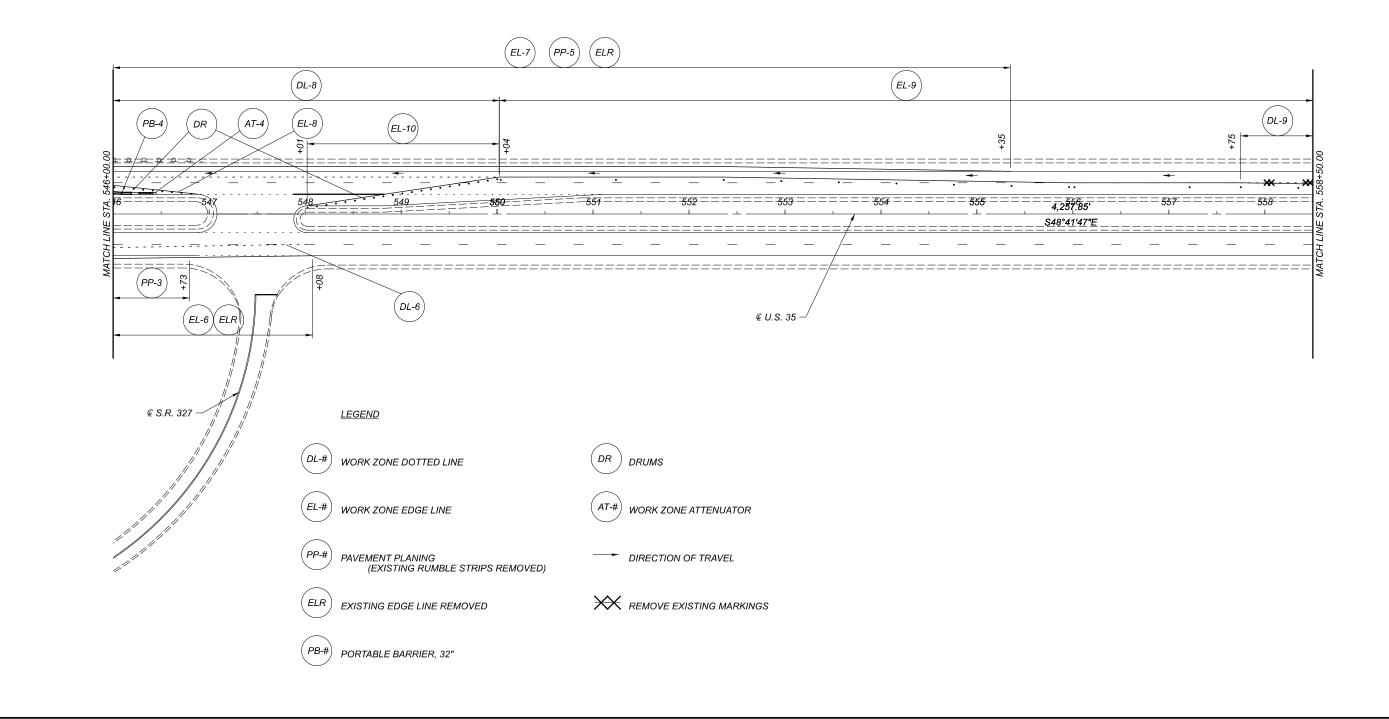
MODEL: CLRWXUSR36 - Plan II PAPERSIZE: I7XII (In.) DATE: 2/25/2022 TIME: 8:58:01AM USER: jmclaug2 xw:\\Dhiodof-rww.benrley.com.oniodof-rw~02\Documents\01Active Projects\01strict 09\Jackson

JAC-35-18.92

РВ-#)

PORTABLE BARRIER, 32"

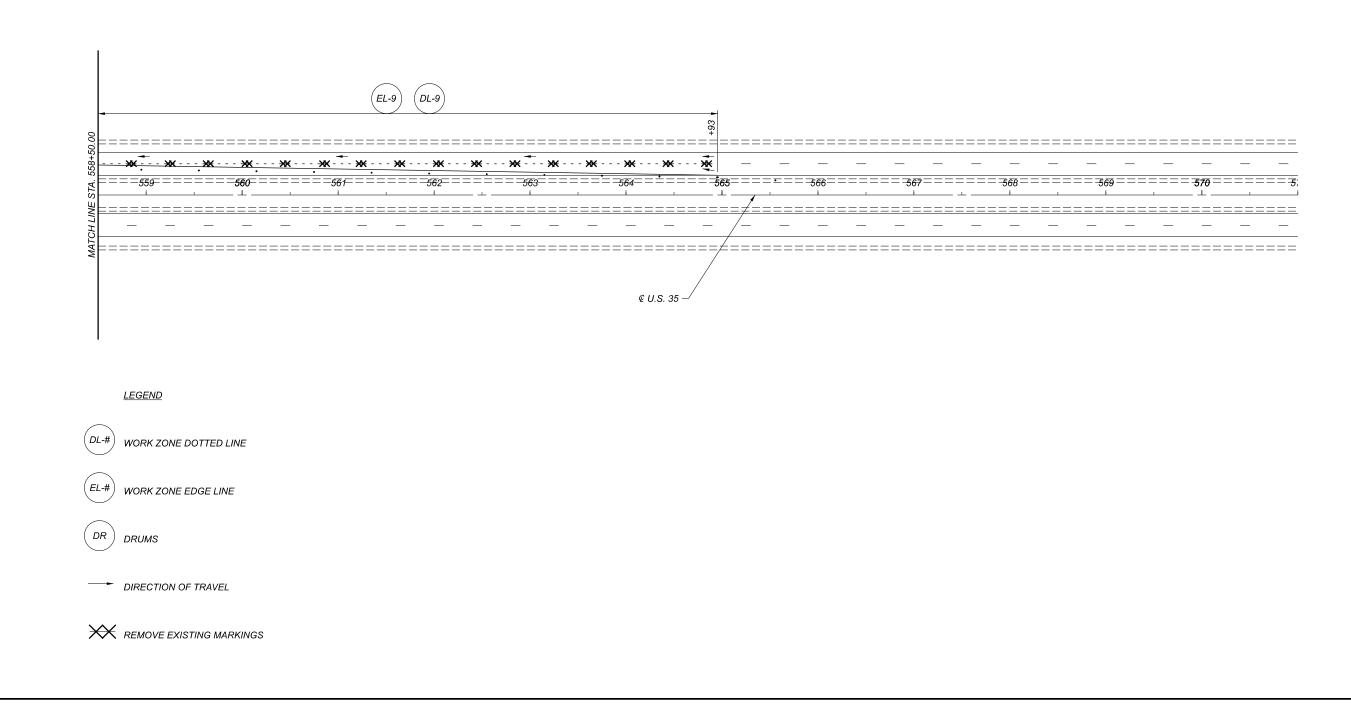




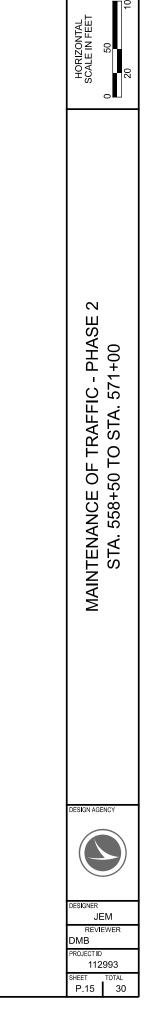
PAPERSIZE:17x11 (in., DATE:2/25/2022 TIME:8:58:10 AM USER: jmclaug2 ohiodot-ow-02\Documents\01Active Projects\District 09\Jackson\1 40DEL: CLRWXUSR36 - Plan 12 bw:\\ohiodot-pw.bentley.com







PAPERSIZE:17x11 (in., DATE:2/25/2022 TIME:8:58:18 AM USER: jmclaug2 ohiodot-ow-02NDocumentsX01Active ProjectsXD1strict 09NuccksonN MODEL: CLRWXUSR36 - Plan 13 pwv//objodot-pw baotlav com: JAC-35-18.92





							254	407	441	614	614	614	614	614	614	614	614	614	622	622	
										TION						S I,	.6"	.9			
SHEET NUMBER	ROUTE	PHASE/LOCATION	REFERENCE	STA	TION		PAVEMENT PLANING ASPHALT CONCRETE, AS PER PLAN, 1.25" (RUMBLE STRIPS REMOVED)	TACK COAT (0.085 GAL/SQ YD)	ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (448), PG64-22 1.25"	INCREASED BARRIER DELINEATIC	WORK ZONE ATTENUATOR (UNIDIRECTIONAL)	BARRIER REFLECTOR, TYPE 1 ONE-WAY	OBJECT MARKER, ONE WAY	WORK ZONE EDGE LINE, CLASS I, 6°, 740.06, TYPE 1 (YELLOW)	WORK ZONE EDGE LINE, CLASS I, 6", 740.06, TYPE 1 (MHITE)	WORK ZONE DOTTED LINE, CLASS 6", 740.06, TYPE I	WORK ZONE EDGE LINE, CLASS I, (YELLOW)	WORK ZONE EDGE LINE, CLASS I, (WHITE)	PORTABLE BARRIER ANCHORED	PORTABLE BARRIER UNANCHORED	
										INCF						WOF	WOR	WOR			
				FROM	ТО		SY	GALLON	СҮ	FT	EACH	EACH	EACH	FT	FT	FT	FT	FT	FT	FT	-
	U.S. 35	PHASE I																			
7.0		EASTBOUND	EL 1	521,00	544+43													00.40			- ≿
7,8 7,8,9		EASTBOUND	EL-1 EL-2	521+00 528+21	547+50									1351			393	2343			-SUMMARY
7,8		EASTBOUND	PP-1	530+06	546+89		173	15	6					1301			393				Ξ Ž
7		EASTBOUND	DL-1	521+00	528+21		1/3	10								721					- Ξ
8,9		EASTBOUND	DL-2	544+52	547+52											300					
8		EASTBOUND	AT-1	540+00							1										
8		EASTBOUND	PB-1	540+02	544+52					450		11	11						300	150	SUB
8		WESTBOUND	EL-3	539+45	555+89									300			1344				TRAFFIC
8,9,10 8,9		WESTBOUND WESTBOUND	EL-4	542+45 542+45	564+89 546+95					450								2244	000	450	\dashv
8,9		WESTBOUND	PB-2 DL-3	539+45	540+95					450						300			300	150	
10		WESTBOUND	DL-3 DL-4	557+69	564+89											720					
9		WESTBOUND	PP-2	539+45	555+89		130	11	5							720					Ь
9		WESTBOUND	AT-2	547+00							1										
																					MAINTENANCE
		PHASE II																			
																					Ž
11,12		EASTBOUND	EL-5	522+02	544+48									2246							
5 11,12,13		EASTBOUND	EL-6	531+03	548+08										1251			454			
8 11,12,13		EASTBOUND	PP-3	531+03	546+73		171	15	6												
^S ₩ 12		EASTBOUND	PB-3	540+78	544+48					370		10	10			700				370	_ ≥
11 12,13		EASTBOUND EASTBOUND	DL-5 DL-6	521+99 548+08	529+19 544+48											720					_
12,13		EASTBOUND	AT-3	540+78	544740						1					360					-
		LASTBOOND	AI-J	540178																	_
[≥] 6 <u>12,13</u>		WESTBOUND	EL-7	539+49	555+35										302			1284			
B 12,13		WESTBOUND	EL-8	542+49	546+89												441				
ы 8 13,14		WESTBOUND	EL-9	550+04	564+98												1494				_
13		WESTBOUND	EL-10	548+01	550+04												203				
aug2 1112 12		WESTBOUND	DL-7	538+90	542+50											360					
<u>n</u> system 12,13		WESTBOUND	DL-8	545+18	550+04											486					_
Han 13,14		WESTBOUND	DL-9	557+75	564+93											718					_
0 9 WF 12,13		WESTBOUND	PB-4	542+45	546+15		24	-		370		10	10							370	_
3:28:50 jects/[WESTBOUND	PP-4	539+50	542+52		34	3	1												_
38 BIOL 12,13 INIT 13		WESTBOUND WESTBOUND	PP-5 AT-4	544+21 546+35	555+35		91	8	3		1			-							
022 T		WESTBOOND	<u>_</u>	070100							/										DESIGN AGENCY
2/25/2(
ATE: 2																					
V-02\E																					
dot-pv																					
E: 17x																					DESIGNER
RSIZE by.com																					JEM
PAPE bentle						SUB TOTALS	599	51	21	1640	4	31	31	3897.00	1553.00	4685	3875	6325	600	1040	REVIEWER DMB
ot-pw.	1	1	1		CON	VERT TO MILE								0.74	0.29		0.73	1.20			PROJECT ID
DEL: S				C C C C C C C C C C C C C C C C C C C								-								10.1-	112993
AOE			TOTAL	S CARRIED	TO GENERAL	L SUMMARY	599	51	21	1640	4	31	31	1	.03	4685	1	.93	600	1040	SHEET TOTAL P.16 30

	UNIT	GRAND	ITEM	ITEM		PART.						٩.	HEET NU	S				
	UNIT	TOTAL	EXT		03/NHS/BR	02/SAF/OT	01/NHS/PV		25A	25	22	20	19	16	7	6	4	3
CLEARING AND GRUBBING		LS	11000	201			LS											LS
SEEDING AND MULCHING	SY	1,156	10000	659			1,156											1,156
COMMERCIAL FERTILIZER		0.1	20000	659			0.1											0.1
LIME		0.24	31000	659			0.24											0.24
WATER		0.84	35000	659			0.84											0.84
EROSION CONTROL	EACH	1,000	30000	832			1,000											
AGGREGATE DRAINS, AS PER PLAN	FT	609	31101	605			609				609							
6" UNCLASSIFIED PIPE UNDERDRAINS FOR SP		223	13403	605			223				223							
		LLO	10100	000			220				220							
PAVEMENT REMOVED		774	23000	202	774												774	
LINEAR GRADING, AS PER PLAN	MILE	0.27	60501	209	0.27													0.27
BORROW	CY	85.8	70000	209	85.8													85.8
PARTIAL DEPTH PAVEMENT REPAIR (442), AS P		1,984	01021	251			1,984				484							1,500
		42,720	01600	254			42,720										0.40	42,720
FULL DEPTH PAVEMENT REMOVAL AND RIGID		240	10161	255			240	_			F 40						240	000
FULL DEPTH PAVEMENT SAWING	FT	1,440	20000	255			1,440				540							900
ASPHALT CONCRETE BASE, PG64-22	CY	27	46000	301			27				27							
AGGREGATE BASE	CY	16	20000	301			16	+			 16							
TACK COAT		18,208	10000	407			18,208				10		18,157	51				
FINE GRADED POLYMER ASPHALT CONCRETE		5,934	12000	407			5,934						5,934	51				
ASPHALT CONCRETE INTERMEDIATE COURSE		1,159	50701	441	1,159		3,334						5,554					1,159
	01	1,100	00701		1,100													1,100
GUARDRAIL, TYPE MGS	FT	1,390	15050	606	1,390													1,390
COMPACTED AGGREGATE		350	10100	617			350											350
PAVEMENT PLANING, ASPHALT CONCRETE, CL	SY	213,201	01011	897			213,201						213,201					
PAVEMENT PLANING, ASPHALT CONCRETE, CL	SY	402	01011	897			402						402					
RUMBLE STRIPS, SHOULDER (ASPHALT CONC	MILE	20.16	40600	618			20.16						20.16					
RPM	EACH	666	00100	621			666					666						
RAISED PAVEMENT MARKER REMOVED	EACH	666	54000	621			666					666						
WET REFLECTIVE EPOXY PAVEMENT MARKING	MILE	0.1	12010	807		0.1						0.1						
WET REFLECTIVE EPOXY PAVEMENT MARKING		0.1	12010	807		0.1 0.05						0.05						
WET REFLECTIVE EPOXT PAVEMENT MARKING		20.23	14010	807		20.23						20.23						
WET REFLECTIVE THERMOPLASTIC PAVEMEN		10.13	14110	807		10.13						10.13						
		10110	11110	001		10110						10110						
WET REFLECTIVE THERMOPLASTIC PAVEMEN	FT	195	14310	807		195						195						
WET REFLECTIVE THERMOPLASTIC PAVEMEN		5,357	14410	807		5,357						5,357						
GROOVING FOR 6" RECESSED PAVEMENT MAR		30.36	10010	850		30.36						30.36						
GROOVING FOR 6" RECESSED PAVEMENT MAR	MILE	0.15	20010	850		0.15						0.15						
			11000	202	10													
PORTIONS OF STRUCTURE REMOVED, OVER 2	ev	LS	11203	202	LS			_		LS								
		134	22900	202	134					134								
		132 134	23000 23500	202 202	132 134					132 134								
WEARING COURSE REMOVED GUARDRAIL REMOVED		512.5	23500 38000	202	512.5			+	-	512.5								
	11	512.0	00000	202	512.5					012.0								
GUARDRAIL REMOVED, BARRIER DESIGN	FT	62.5	38300	202	62.5			1		62.5								
ANCHOR ASSEMBLY REMOVED		3	42206	202	3					3								
BRIDGE TERMINAL ASSEMBLY REMOVED		3	47000	202	3					3								
EPOXY COATED REINFORCING STEEL		4,526	10000	509	4,526			1		4,526								
DOWEL HOLES WITH NONSHRINK, NONMETAL		160	10000	510	160			1		160								
CLASS QC2 CONCRETE, BRIDGE DECK (PARAF		24	34448	511	24					24								
SEALING OF CONCRETE SURFACES (EPOXY-U		373	10100	512	373					373								
REMOVAL OF EXISTING COATINGS FROM CON		206	74000	512	206					206								
1" PREFORMED EXPANSION JOINT FILLER		18	13600	516	18					18								
RAILING (UPGRADING EXISTING), AS PER PLAI	FT	206	75401	517	206			_		206								
								1	1									
PATCHING CONCRETE STRUCTURE	SF	450	11100	519	450		· · ·			450								

DESCRIPTION	SEE SHEET NO.	
ROADWAY		
ROSION CONTROL		
DRAINAGE		
	22	
INGS, AS PER PLAN	22A	
PAVEMENT		
	3	
	-	
R PLAN	3	
	0	3
EPLACEMENT, CLASS QC MS, AS PER PLAN	3	AF
		Ň
		M
		5
		S
TYPE B		Ļ
TYPE 1, (448), (UNDER GUARDRAIL), AS PER PLAN	3	2
		Z
		GENERAL SUMMARY
ASS A, AS PER PLAN , 0.75"	3	Ŭ
SSA, AS PER PLAN , 1"	3	
ETE)		
EDGE LINE, 6"		
LANE LINE, 6"		
MARKING, EDGE LINE, 6"		
MARKING, LANE LINE, 6"		
MARKING, CHANNELIZING LINE, 12"		
MARKING, DOTTED LINE, 6"		
(ING, (ASPHALT)		
KING, (CONCRETE)		
ER 20 FOOT SPAN (JAC-35-1892 L)	04	
) FOOT SPAN, AS PER PLAN	24	
		DESIGN AGENCY
C GROUT		
		DESIGNER
		JEM
ETHANE) RETE SURFACES		REVIEWER
REIE JUKFAGEJ		DMB
	24	PROJECT ID 112993
	L -T	SHEET TOTAL
		17 30

				S	HEET NU	M.					PART		ITEM	ITEM	GRAND	UNIT	DE
3	4	6	7	16	19	20	22	25	25A	01/N	S/PV 02/SAF/C	T 03/NHS/BR		EXT	TOTAL		
								239				239	526	25000	239	SY	REINFORCED CONCRETE APPROACH SLABS (T=15'
								78 450				78 450	526 606	90011 15050	78 450	FT FT	TYPE A INSTALLATION, AS PER PLAN GUARDRAIL, TYPE MGS
								450 62.5				62.5	606	15050	62.5	FT FT	GUARDRAIL, TYPE MGS GUARDRAIL, BARRIER DESIGN, TYPE MGS
								02.5				02.5	000	10000	02.0		GOARDINAIL, BARRIER DESIGN, TITE MGS
								1				1	606	26150	1	EACH	ANCHOR ASSEMBLY, MGS TYPE E (MASH 2016)
								1				1	606	26550	1	EACH	ANCHOR ASSEMBLY, MGS TYPE T
								2				2	606	35002	2	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1
								1				1	606	35102	1	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 2
								1				1	606	60012	1	EACH	IMPACT ATTENUATOR, TYPE 1 (BIDIRECTIONAL)
								160				160	607	39900	160	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATE
								6				6	626	00102	6	EACH	BARRIER REFLECTOR, TYPE 1 (1-WAY)
								5				5	626	00112	5	EACH	BARRIER REFLECTOR, TYPE 3 (1-WAY)
								501				501	848	10000	501	SY	MICRO SILICA MODIFIED CONCRETE OVERLAY USIN
								501				501	848	20000	501	SY	SURFACE PREPARATION USING HYDRODEMOLITIO
								10 50				10 50	848 848	30000 50000	10 50	CY SY	MICRO SILICA MODIFIED CONCRETE OVERLAY (VAF
								LS				LS	848	50100	LS	31	TEST SLAB
								10				10	848	50200	10	CY	FULL-DEPTH REPAIR
								501				501	848	50320	501	SY	EXISTING CONCRETE OVERLAY REMOVED (1.75" TH
								50				50	848	50340	50	SY	REMOVAL OF DEBONDED OR DETERIORATED EXIS
				-													
									LS			LS	202	11203	LS		STRUCTURE OVER 2 PORTIONS OF STRUCTURE REMOVED, OVER 20 FC
			1						134			134	202	22900	134	SY	APPROACH SLAB REMOVED
									132			132	202	23000	132	SY	PAVEMENT REMOVED
									134			134	202	23500	134	SY	WEARING COURSE REMOVED
									475			475	202	38000	475	FT	GUARDRAIL REMOVED
									00.5				000		00 F		
									62.5 3			<u>62.5</u> 3	202 202	38300 42206	62.5 3	FT EACH	GUARDRAIL REMOVED, BARRIER DESIGN
									3			3	202	47000	3	EACH	BRIDGE TERMINAL ASSEMBLY REMOVED
									4,526			4,526	509	10000	4.526	LB	EPOXY COATED REINFORCING STEEL
									160			160	510	10000	160	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC G
									24			24	511	34448	24	CY	CLASS QC2 CONCRETE, BRIDGE DECK (PARAPET)
									373			373	512	10100	373		SEALING OF CONCRETE SURFACES (EPOXY-URET)
									206			206	512	74000	206	SY	REMOVAL OF EXISTING COATINGS FROM CONCRET
									18 206			18 206	516 517	13600 75401	18 206	SF FT	1" PREFORMED EXPANSION JOINT FILLER RAILING (UPGRADING EXISTING), AS PER PLAN
									200			200	517	7 540 1	200		RAILING (OPGRADING EXISTING), AS PER PLAN
									450			450	519	11100	450	SF	PATCHING CONCRETE STRUCTURE
									239			239	526	25000	239	SY	REINFORCED CONCRETE APPROACH SLABS (T=15'
									78			78	526	90011	78	FT	TYPE A INSTALLATION, AS PER PLAN
									450			450	606	15050	450	FT	GUARDRAIL, TYPE MGS
									62.5			62.5	606	15550	62.5	FT	GUARDRAIL, BARRIER DESIGN, TYPE MGS
									1			1	606	26150	1	EACH	ANCHOR ASSEMBLY, MGS TYPE E (MASH 2016)
									2			2	606	35002	2	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1
									1			1	606	60012	1	EACH	IMPACT ATTENUATOR, TYPE 1 (BIDIRECTIONAL)
														1			
									160			160	607	39900	160	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATE
									6			6	626	00102	6	EACH	BARRIER REFLECTOR, TYPE 1 (1-WAY)
									5			5	626	00112	5	EACH	BARRIER REFLECTOR, TYPE 3 (1-WAY)
									E04			E04	040	10000	E04		
									501 501			501 501	848 848	10000 20000	501 501	SY SY	MICRO SILICA MODIFIED CONCRETE OVERLAY USIN SURFACE PREPARATION USING HYDRODEMOLITIO
									10			10	848	30000	10	CY	MICRO SILICA MODIFIED CONCRETE OVERLAY (VAF
									50			50	848	50000	50	SY	HAND CHIPPING
									LS			LS	848	50100	LS		TEST SLAB
									10			10	848	50200	10	CY	FULL-DEPTH REPAIR
									501			501	848	50320	501	SY	EXISTING CONCRETE OVERLAY REMOVED (1.75" TH
									50			50	848	50340	50	SY	REMOVAL OF DEBONDED OR DETERIORATED EXIS
												_					+
												+		+			

DESCRIPTION	SEE SHEET NO.	
=15")		
	24	
ATED FABRIC		
USING HYDRODEMOLITION (2.75" THICK)		
TION		
(VARIABLE THICKNESS), MATERIAL ONLY		
		GENERAL SUMMARY
5" THICK)		I ₹
XISTING VARIABLE THICKNESS CONCRETE OVERLAY		
R 20 FOOT SPAN (JAC-35-18.92 R)	0.4	SI
) FOOT SPAN, AS PER PLAN	24	
		A A
IC GROUT		
ET) RETHANE)		
RETE SURFACES		
	24	
=15")		
,	24	
ATED FABRIC		
		DESIGN AGENCY
USING HYDRODEMOLITION (2.75" THICK)		
TION (VARIABLE THICKNESS), MATERIAL ONLY		
VANADLE THIONNESS, WATERIAL UNLT		
		DERIGNER
ST THICK) XISTING VARIABLE THICKNESS CONCRETE OVERLAY		REVIEWER
		PROJECT ID 112993
		SHEET TOTAL
		P.18 30

				S	HEET NU	M.						PART.		ITEM	ITEM	GRAND	UNIT	DE
3	4	6	7	16	19	20	22	25	25A		01/NHS/PV	02/SAF/OT	03/NHS/BR		EXT	TOTAL	UNIT	
				500									500	054	0.4000	500	0)/	
				599 21									599	254 441	01000 50000	599	SY CY	PAVEMENT PLANING, ASPHALT CONCRETE (1.25")
			40	21									21 40	614	11110	21 40	HOUR	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (LAW ENFORCEMENT OFFICER WITH PATROL CAR F
			40										40	014		40	nouk	LAW ENFORCEMENT OFFICER WITH PATROL CAR P
				1,640									1,640	614	11630	1,640	FT	INCREASED BARRIER DELINEATION
				4									4	614	12380	4	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZA
			11								11			614	12460	11	EACH	WORK ZONE MARKING SIGN
		10									10			614	12484	10	EACH	WORK ZONE INCREASED PENALTIES SIGN
				31									31	614	13310	31	EACH	BARRIER REFLECTOR, TYPE 1, ONE WAY
			4								4		a 1	614	13314	4	EACH	BARRIER REFLECTOR, TYPE , ONE WAY
		10	4	31							4		31	614	13350	35	EACH	
		12											12	614	18600	12	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN
			10.04								10.04			614	20560	10.04	MILE	WORK ZONE LANE LINE, CLASS III, 6", 642 PAINT
			10.01	1.93							10.01		1.93	614	22010	1.93	MILE	WORK ZONE EDGE LINE, CLASS I, 6"
			0,55	1.03							0.55		1,03	614	22210	1.58		WORK ZONE EDGE LINE, CLASS I, 6", 740.06, TYPE
			2,880	4,685							2,880		4,685	614	24402	7,565	FT	WORK ZONE DOTTED LINE, CLASS I, 6", 740.06, TYF
				600									600	622	41110	600	FT	PORTABLE BARRIER, ANCHORED
				1,040									1,040	622	41100	1,040	FT	PORTABLE BARRIER, UNANCHORED
		10											10		40700	10		
		42											42	808	18700	42	SNMT	DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY
																		I
											0.8	0.08	0.12	614	11000	LS		
											3	0.00	0.12	619	16000	3	MNTH	FIELD OFFICE, TYPE A
											0.8	0.08	0.12	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING
											0.8	0.08	0.12	624	10000	LS		MOBILIZATION
																	-	
									1									
				1		1				1					1			

DESCRIPTION	SEE SHEET NO.	
ENANCE OF TRAFFIC		
") 1, (448), PG64-22 R FOR ASSISTANCE		
ZARDS, (UNIDIRECTIONAL)		
PE I		
TYPE I		
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		GENERAL SUMMARY
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INCIDENTALS		0
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		DESIGN AGENCY
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		JEM REVIEWER
		DMB
		PROJECT ID 112993
		SHEET TOTAL P.18A 30
		P.18A 30

	LOCATION		1					PA	/EMENT DATA			407	424	897	897	618	
COUNTY-ROUTE DIRECTION	LOG	POINT	LE	NGTH	PAVEMENT WIDTH	PAVEMENT AREA	SHOULDER	HTDIW	SHOULDER AREA	(PAVEMENT AREA WEASULES) VARIES)	TOTAL PAVEMENT AREA	TACK COAT (0.085 GAL/SY)	FINE GRADED POLYMER ASPHALT CONCRETE, TYPE B	PAVEMENT PLANING ASPHALT CONCRETE, CLASS A, AS PER PLAN	PAVEMENT PLANING ASPHALT CONCRETE, CLASS A, AS PER PLAN	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)	
				1									1"	0.75"	1"		_
	SLM	TO SLM	MILES	FT	FT	SY		FT	SY	SY	SY	GALLON	CY	SY	SY	MILE	
JAC-35 EB & WB	18.9200	18.9425	0.0225	118.80	SEE ST	RUCTURE SH	EETS	5 FOF	R STRUCTURE	JAC-35-18.92							START PA
	18.9425	19.0100	0.0675	356.40	24	950.40	4	8	475.20		2,851.20	242.35	79.20	2,851.20		0.28	
	19.0100	19.0413	0.0313	165.26	24	440.70	4	8	220.35		1,322.11	112.38	36.73	1,322.11		0.16	S.R. 327 IN
	19.0413	20.5500	1.5087	7,965.94	24	21,242.50	4	8	10,621.25		63,727.49	5,416.84	1,770.21	63,727.49		6.04	
						,			,				,	,			
	20.5500	20.6362	0.0862	455.14	24	1,213.70	4	8	606.85		3,641.09	309.49	101.14	3,641.09		0.36	DIXON RU
	20.6362	22.0100	1.3738	7,253.66	24	19,343.10	4	8	9,671.55		58,029.31	4,932.49	1,611.93	58,029.31		5.52	
	20.0302	22.0700	1.0100	1,200.00		10,010110			0,011100		00,020101	1,002.10	1,011100			0.02	
	22.0100	22.0195	0.0095	50.16	24	133.76	4	8	66.88		401.28	34.11	11.15		401.28	0.04	OVERHEA
	22.0195	23.1200	1.1005	5,810.64	24	15,495.04	4	8	7,747.52		46,485.12	3,951.24	1,291.25	46,485.12		4.44	
	22.0195	23.1200	1.1000	3,010.04	27	10,400.04	-	0	1,141.52		40,400.72	3,301.24	1,231.25	40,400.12		7.77	
	23.1200	23.1465	0.0265	139.92	24	373.12	4	8	186.56		1,119.36	95.15	31.09	1,119.36		0.12	ORPHEUS
	00.4405	00.0400	0.7935	4,189.68	24	11,172.48	4	8	5,586.24		33,517.44	2,848.98	931.04	33,517.44		3.20	
	23.1465	23.9400	0.7935	4,109.00	24	11,172.40	4	0	5,560.24		33,517.44	2,040.90	931.04	33,517.44		5.20	
EXTRA AREAS										E40.0E		44.00	44.00	E40.0E			
MEDIAN CROSSOVER	19.01									518.05		44.03	14.39	518.05			TURN LAN
MEDIAN CROSSOVER	20.55									995.09		84.58	27.64	995.09			2 TURN LA
										004.07		04.55	07.00	004.07			
MEDIAN CROSSOVER	23.12									994.67		84.55	27.63	994.67			2 TURN LA
	•	·	•		•	•		•			•						
										D TO GENERA	SUB-TOTALS		5,933.39	213,200.93	401.28	20.16	
								10	JIALO CARRIE	U IO GENERA	L SUMMARY	18,157	5,934	213,201	402	20.16	

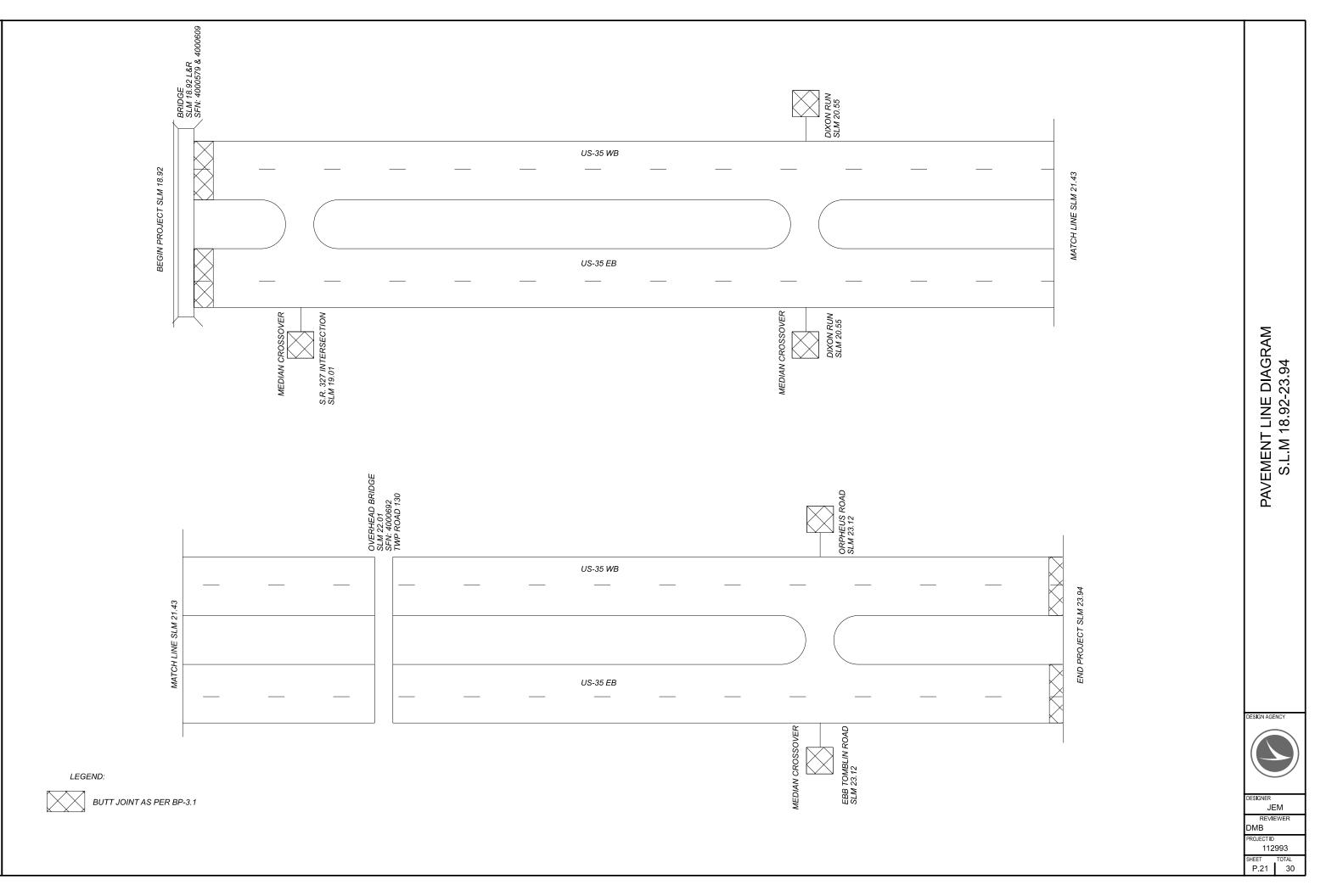
	-	
COMMENTS		
PAVEMENT WORK AT EAST END OF BRIDGE		
	1	
7 INTERSECTION		
RUN INTERSECTION	DAVIENT CALCULATIONS	
EAD BRIDGE, MILL 1"	l 7	5
		L L
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US & EBB TOMBLIN ROADS INTERSECTION		
		2 1
		C
ANE - S.R. 327 INTERSECTION		
LANE - DIXON RUN INTERSECTION		
LANE - ORPHEUS & EBB TOMBLIN INTERSECTION		
	DESIGN AGE	NCY
	DESIGNER JE	M
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	PROJECT D	
	112 SHEET	993 TOTAL
	P.19	30

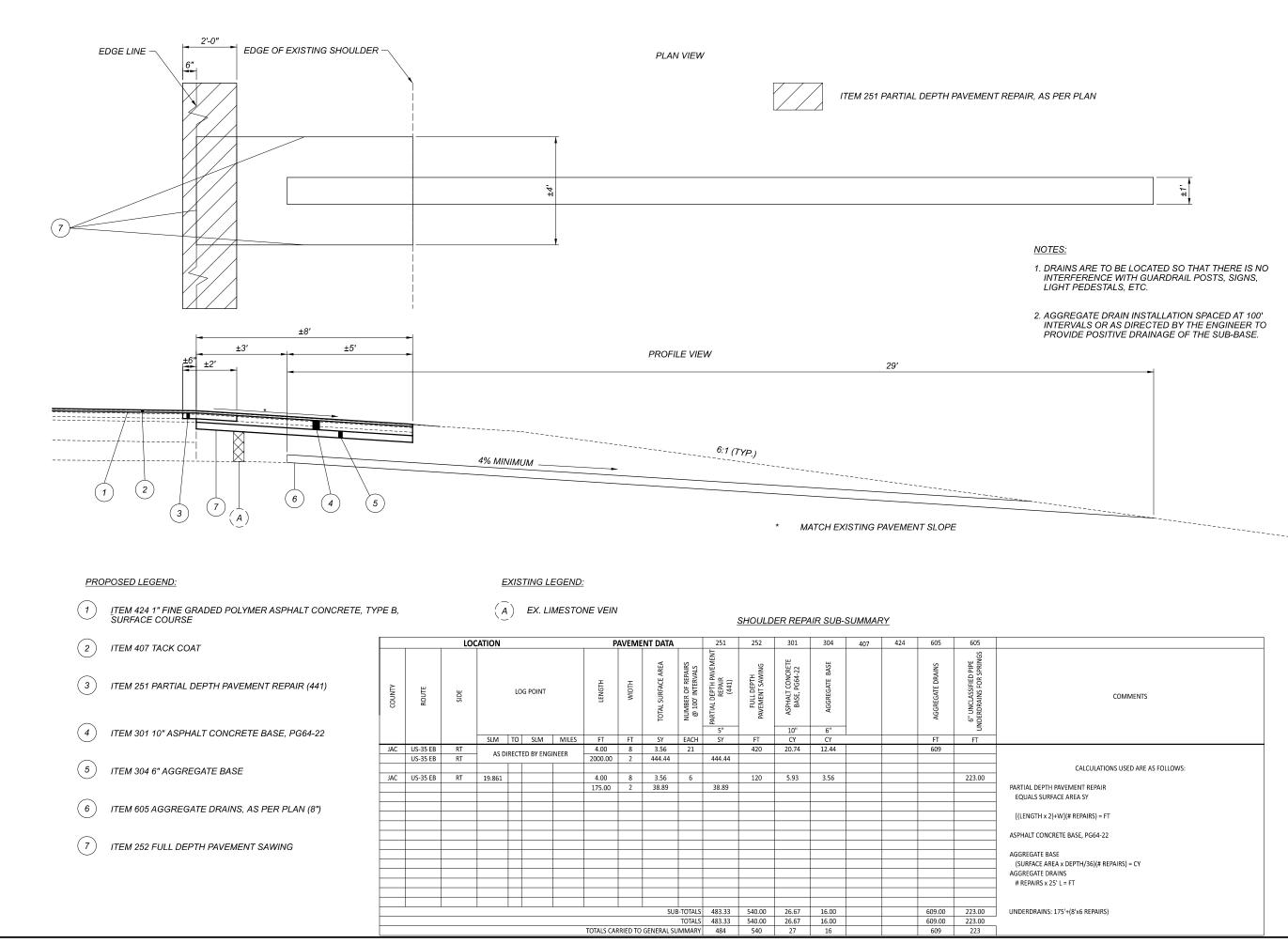
	LOCATION	DIRECTION	LOG				И	VET REFLE	CTIVE THE	RMOPI AST	ïC	WE	T REFLECT EPOXY	IVE						
	LOCATION	ECTION	LOGI					PAVE	EMENT MAP		10	PAVE	MENT MAR	KING		GRO	DVING		VED	
		DIRI	FROM	POINT	TENGTH	EDGE LINE, 6" (YELLOW)	EDGE LINE, 6" (WHITE)	LANE LINE, 6"	CHANNELIZING LINE, 12"	DOTTED LINE, 6" (WHITE)	DOTTED LINE, 6" (YELLOW)	EDGE LINE, 6" (YELLOW)	EDGE LINE, 6" (WHITE)	LANE LINE, 6"	FOR 6" RECESSED MARKING, (ASPHALT)	FOR 6" RECESSED MARKING, (CONCRETE)		RPM	RAISED PAVEMENT MARKER REMOVED	
	JAC-35	EB,WB	SLM	SLM	MILE	MILE	MILE	MILE	FT	FT	FT	MILE 0.05	MILE	MILE	MILE	MILE		EACH	EACH	STRUCTU
	JAC-35		18.9200	18.9425	0.0225							0.05	0.05	0.05		0.15		4	4	STRUCTUR
	JAC-35	EB,WB	18.9425	19.0100	0.0675	0.07	0.14	0.14							0.35			8	8	
	JAC-35	WB	19.0100	19.0413	0.0313	0.03	0.00	0.04	111.97	228.13	116.06				0.07			2	2	
	JAC-35	EB	19.0100	19.0413	0.0313	0.03	0.04	0.04		162.00	180.62				0.11			2	2	
	JAC-35	EB,WB	19.0413	20.5500	1.5087	3.02	3.02	3.02							9.06			200	200	
	JAC-35	WB	20.5500	20.6362	0.0862	0.09	0.16	0.09	43.59	336.82	159.42				0.34			6	6	
	JAC-35	EB	20.5500	20.6362	0.0862	0.06	0.15	0.09	38.91	305.65	166.64				0.31			6	6	
	JAC-35	EB,WB	20.6362	22.0100	1.3738	2.75	2.75	2.75							8.25			182	182	
002.dgn	JAC-35	WB	22.0100	22.0290	0.0190	0.02	0.04	0.02							0.08			1	1	STRUCTU
12993_GS	JAC-35	EB	22.0100	22.0290	0.0190	0.02	0.04	0.02							0.08			1	1	STRUCTUR
y\Sheets\1	JAC-35	EB,WB	22.0195	23.1200	1.1005	2.21	2.21	2.21							6.63			146	146	
ig\Roadwa	JAC-35	WB	23.1200	23.1730	0.0530	0.06	0.04	0.06	0.00	100.78	447.53				0.16			2	2	
Engineerin	JAC-35	EB	23.1200	23.1730	0.0530	0.05	0.05	0.06	0.00	71.76	403.60				0.16			2	2	
ndaug2 son\112993\400-	JAC-35	EB,WB	23.1465	23.9400	0.7935	1.59	1.59	1.59							4.77			104	104	
USER: jmda ict 09\Jacksor																				
8:59:11 AM rojects/Distric																				
TIME: 8 ctive Pro																				
DATE: 2/25/2022 PDocuments/01 Av																				
ATE: 2/ Docume																				
: 17x11 (in.) i:ohiodot-pw-C																				
PAPERSIZE: 1			THI	IS SHEET SU	JB-TOTALS	10.00	10.23					 0.05	0.05					666	666	
by set				THIS SHEE		20.	.23	10.13	194.47	1205.14	4151.50	0.	10	0.05	30.36	0.15		666	666	
MODEL: She pw:\\ohiodot		TOTALS	CARRIED TO		RT TO MILE SUMMARY	20.	.23	10.13	195.00	5,3	357	0.	10	0.05	30.36	0.15		666	666	

JAC-35-1892

COMMENTS		
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RUCTURE JAC-35-1892 L&R		AR AR
RUCTURE JAC-35-1892 L&R		
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RUCTURE OVERHEAD		
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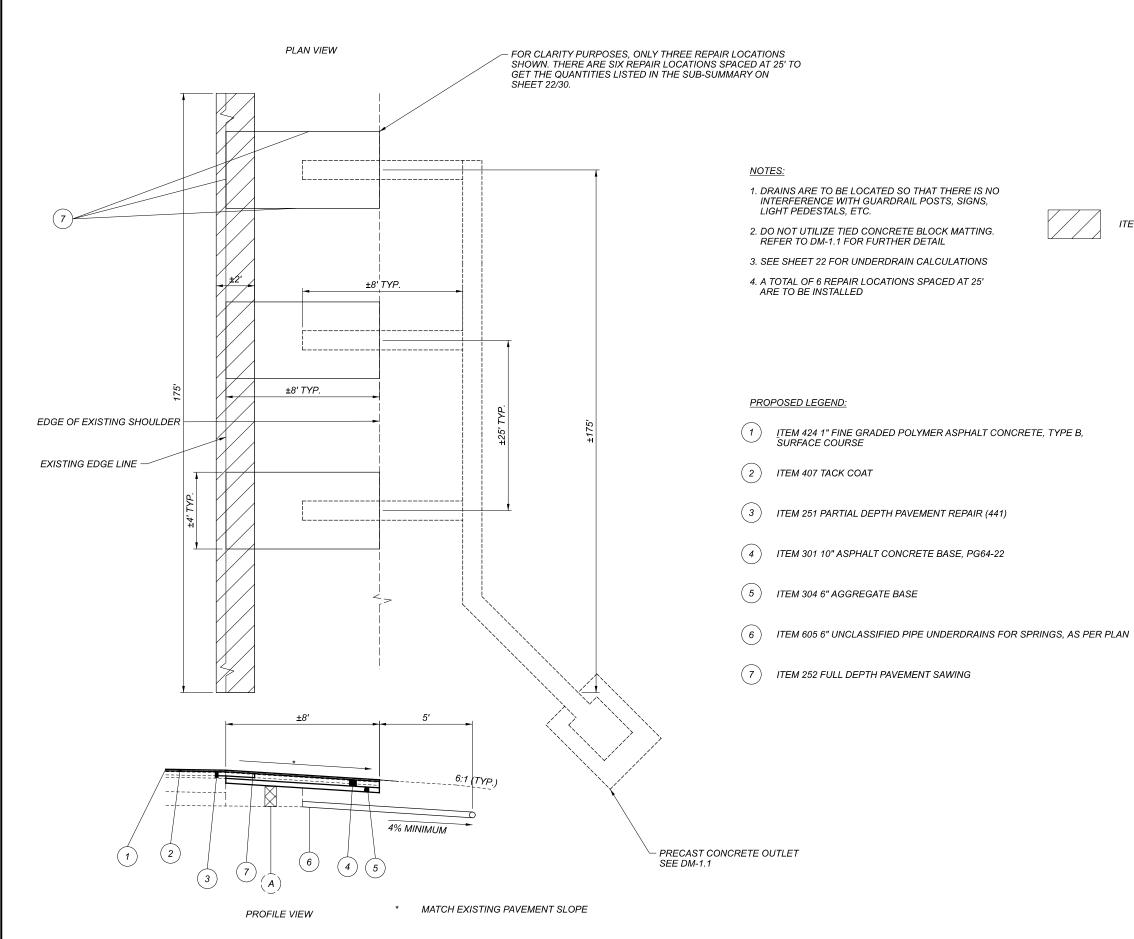


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COMMENTS	
CALCULATIONS USED ARE AS FOLLOWS:	
I PAVEMENT REPAIR FACE AREA SY	
)+W](# REPAIRS) = FT	
RETE BASE, PG64-22	
NSE EA x DEPTH/36)(# REPAIRS) = CY XAINS 25' L = FT	
: 175'+(8'x6 REPAIRS)	

SHOULDER REPAIR DETAILS ESIGN AGENC

DESIGNER	
JE	M
REVIE	EWER
DN	ЛB
PROJECT ID	
112	993
SHEET	TOTAL
P.22	30



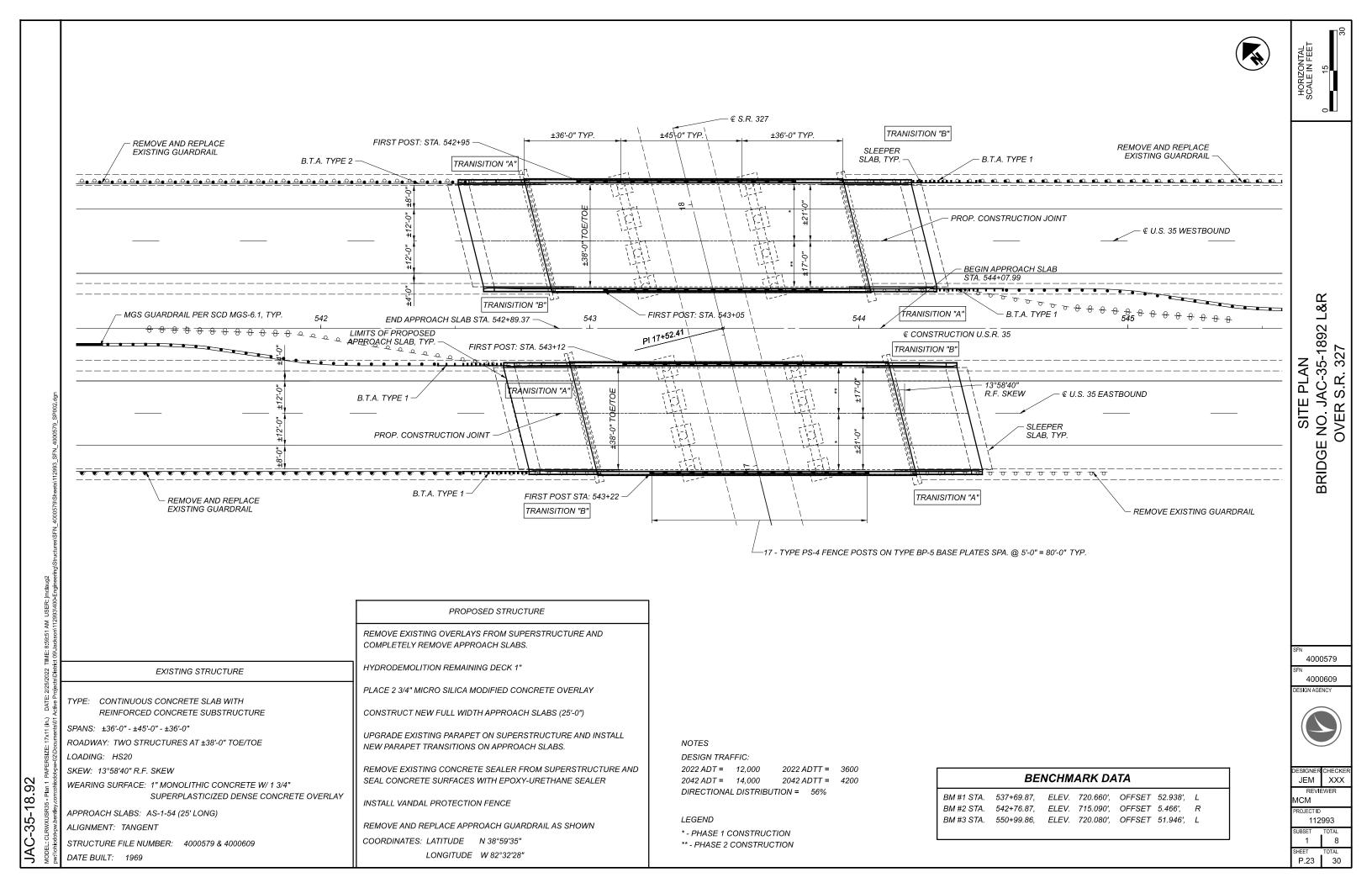
JAC-35-18.92 MODEL: Street PAPERSIZE: 17x11 (m.) DATE: 225/2022 TIME: 8:59:41 AM USER: jindaug2 mv/Nohindri-rww.benikev.com.opiioriner.ments101 Arive ProinerSINistrict RecLarkscend122003300 ITEM 251 PARTIAL DEPTH PAVEMENT REPAIR, AS PER PLAN

EXISTING LEGEND:

 $(\widehat{\underline{A}})$

EX. LIMESTONE VEIN





STANDARD DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS

REFER TO THE FOLLOWING STANDARD BRIDGE DRAWING(S):

VPF-1-90 DATED REVISED 7/20/2018 AS-1-15 DATED REVISED 7/17/2015 PCB-91 DATED REVISED 7/17/2020

AND TO THE FOLLOWING SUPPLEMENTAL SPECIFICATION(S):

800 DATED 10/15/2021 832 DATED 10/19/2018 848 DATED 1/15/2021

DESIGN SPECIFICATIONS

THIS STRUCTURE CONFORMS TO "STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 2002 AND THE ODOT BRIDGE DESIGN MANUAL, 2020, EXCEPT AS NOTED ELSEWHERE IN THE PLANS.

DESIGN LOADING

DESIGN LOADING INCLUDES: HS20 AND ALTERNATE MILITARY LOADING

DESIGN DATA

CONCRETE QC2 COMPRESSIVE STRENGTH 4.5 KSI (SUPERSTRUCTURE)

REINFORCING STEEL MINIMUM YIELD STRENGTH 60 KSI

DECK PROTECTION METHOD

3" MICRO SILICA MODIFIED CONCRETE OVERLAY

ITEM 526 - TYPE A INSTALLATION, AS PER PLAN

THIS ITEM CONSISTS OF PROVIDING THE TYPE A INSTALLATION AS SHOWN IN SCD AS-2-15 EXCEPT IT WILL BE MODIFIED AS SHOWN ON SHEET 2 OF THE PLANS. INSTALLTION OF THE DRAINAGE ITEMS, GRANULAR MATERIAL, AND POLYMER MODIFIED EXPANSION JOINT AS SHOWN ON SCD AS-2-15 WILL NOT BE REQUIRED. SEE BASIS OF PAYMENT NOTE ON SHEET 14 OF SCD AS-2-15 AND INCLUDE PAYMENT FOR THE ASPHALT BASE COURSE SHOWN ON SHEET 2 IN THIS ITEM OF WORK.

BRIDGE CONSTRUCTION SEQUENCE

1. SETUP PHASE 1 TRAFFIC CONTROL TO CLOSE THE RIGHT (DRIVING) LANES IN ACCORDANCE WITH S.C.D. MT-95.40.

2. COMPLETE PHASE ONE CONSTRUCTION OF BOTH BRIDGE NO. JAC-35-1892 L&R AS DETAILED ON SHEET 4/8 WITH THE EXCEPTION OF ITEM 512, SEALING OF CONCRETE SURFACES (EPOXY-URETHANE).

3. AT THE COMPLETION OF PHASE ONE CONSTRUCTION, REVISE MAINTENANCE OF TRAFFIC DEVICES TO OPEN THE RIGHT (DRIVING) LANES AND SET UP PHASE 2 TRAFFIC CONTROL TO CLOSE THE LEFT PASSING) LANES IN ACCORDANCE WITH S.C.D. MT-95.40.

4. COMPLETE PHASE TWO CONSTRUCTION OF BOTH BRIDGE NO. JAC-35-1892 L&R AS DETAILED ON SHEET 4/8, WITH THE EXCEPTION OF ITEM 512, SEALING OF CONCRETE SURFACES (EPOXY-URETHANE).

5 AT THE COMPLETION OF PAHSE TWO CONSTRUCTION REMOVE MAINTENANCE OF TRAFFIC DEVICES AND OPEN ALL TRAFFIC LANES.

6. SET UP TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH S.C.D. MT-95.30 TO PERFORM ITEM 512, SEALING OF CONCRETE SURFACES (EPOXY-URETHANE).

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 EXIST-ING STRUCTURE AND THE PROPOSED WORK BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. THE CONTRACTOR IS REFERRED TO C&MS. SECTIONS 102.05, 105.02, AND 513.04*. BASE CONTRACT BID PRICES UPON A RECOGNITION OF THE UNCERTAIN-TIES DESCRIBED ABOVE AND UPON A PREBID EXAMI-NATION OF THE EXISTING STRUCTURE. HOWEVER. THE DEPARTMENT WILL PAY FOR ALL PROJECT WORK BASED UPON ACTUAL DETAILS AND DIMENSIONS THAT HAVE BEEN VERIFIED IN THE FIELD.

ITEM 517 - RAILING (UPGRADING EXISTING), AS PER PLAN

DESCRIPTION.

THIS WORK CONSISTS OF ADDING AN $11\frac{1}{2}$ " HEIGHT EXTENSION ONTO THE EXISTING PARAPET AND PARAPET TRANSITION, USING CAST IN PLACE CONCRETE, TO OBTAIN THE DEFLECTOR SHAPE AS SHOWN INTHE PLANS.

SURFACE PREPERATIONS:

THOROUGHLY CLEAN THE EXISTING PARAPET AND EXISTING PARAPET TRANSITION SURFACE IN CONTACT WITH THE PROPOSED CAP IN ACCORDANCE WITH ITEM 512, REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES.

DOWEL HOLES AND REINFORCING:

DRILL DOWEL HOLES WHERE SHOWN IN THE PLANS INSTALL REINFORCING STEEL ACCORDING TO ITEM 510 USING GROUT IN ACCORDANCE WITH CMS SPECIFICATION 705.20. PRIOR TO DRILLING DOWEL HOLES, LOCATE ALL EXISTING REINFORCING STEEL BARS IN THE AREA OF THE HOLE WITH THE AID OF A REINFORCING STEEL BAR LOCATOR (PACHOMETER). IF AN EXISTING BAR IS ENCOUNTERED AT THE SAME LOCATION AS A PROPOSED DOWEL HOLE, MOVE THE DOWEL HOLE TO EITHER SIDE OF THE EXISTING BAR. THE DEPARTMENT WILL PAY FOR ALL REINFORCING STEEL, DOWEL HOLES AND GROUTING WITH ITEM 517, RAILING (UPGRADING EXISTING), AS PER PLAN.

CONCRETE

CONCRETE SHALL BE IN ACCORDANCE WITH CMS 511 AND SHALL BE CLASS HP. THE DEPARTMENT WILL PAY FOR ALL CONCRETE, CLASS HP WITH ITEM 517, RAILING (UPGRADING EXISTING), AS PER PLAN

REINFORCING STEEL:

FURNISH REINFORCING STEEL ACCORDING TO 709.00, GRADE 60, WITH A MINIMUM YIELD STRENGTH OF 60,000 PSI. THE DEPARTMENT WILL PAY FOR ALL REINFORCING STEEL WITH ITEM 517, RAILING (UPGRADING EXISTING), AS PER PLAN.

CONTROL JOINTS:

SAWCUT 1¹/₄" DEEP CONTROL JOINTS ALONG THE PERIMETER OF THE PARAPET AS SOON AS THE SAW CAN BE OPERATED WITHOUT DAMAGING THE CONCRETE. PLACE THE JOINTS AT THE SAME LOCATION AS THE EXISTING DEFLECTION JOINTS. USE AN EDGE GUIDE, FENCE, OR JIG TO ENSURE THAT THE SAWCUT IS STRAIGHT, TRUE AND ALIGNED ON ALL FACES OF THE PARAPET. THE JOINT WIDTH OF $\frac{1}{4}$ ". SEAL THE PERIMETER OF THE CONTROL JOINT TO A MINIMUM DEPTH OF ONE INCH WITH A POLYURETHANE OF POLYMERIC MATERIAL CONFORMING TO ASTM, C920, TYPE S.

METHOD OF MEASUREMENT:

THE DEPARTMENT WILL MEASURE THIS IN FOOT BY THE ACTUAL LENGTH OF RAILING UPGRADED BETWEEN THE ENDS OF THE EXISTING CONCRETE PARAPET.

BASIS OF PAYMENT:

PAYMENT FOR THIS ITEM INCLUDES ALL COSTS FOR DOWEL HOLES REINFORCING STEEL CONCRETE AND SHRINKAGE CONTROL JOINTS. THE DEPARTMENT WILL PAY FOR ACCEPTED QUANTITIES AT THE FOOT CONTRACT PRICE FOR ITEM 517, RAILING (UPGRADING EXISTING), AS PER PLAN.

Ā IME 92 -35-18

ITEM 202, PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN. AS PER PLAN THIS ITEM SHALL INCLUDE THE ELEMENTS INDICATED IN THE PLANS AND GENERAL NOTES AND THAT ARE NOT SEPARATELY LISTED FOR PAYMENT, EXCEPT FOR WEARING COURSE REMOVAL. ITEMS TO BE REMOVED INCLUDE ALL EXISTING MATERIALS BEING REPLACED BY NEW CONSTRUCTION AND MISCELLANEOUS ITEMS THAT ARE NOT SHOWN TO BE INCORPORATED INTO THE FINAL CONSTRUCTION AND ARE DIRECTED TO BE REMOVED BY THE ENGINEER. THE USE OF EXPLOSIVES, HEADACHE BALLS AND/OR HOE-RAMS WILL NOT BE PERMITTED. REMOVE CONCRETE BY MEANS OF APPROVED PNEUMATIC HAMMERS EMPLOYING POINTED AND BLUNT CHISEL TOOLS. HYDRAULIC HOE-RAM TYPE HAMMERS WILL NOT BE PERMITTED. THE WEIGHT OF THE HAMMER SHALL NOT BE MORE THAN 35 POUNDS FOR REMOVAL WITHIN 18 INCHES OF PORTIONS TO BE PRESERVED. OUTSIDE THE 18 INCH LIMIT, THE CONTRACTOR MAY USE HAMMERS NOT EXCEEDING 90 POUNDS Ц UPON THE APPROVAL OF THE ENGINEER. DO NOT PLACE <u>8</u> PNEUMATIC HAMMERS IN DIRECT CONTACT WITH REINFORCING JAC-35-1892 | R S.R. 327 STEEL THAT IS TO BE RETAINED IN THE REBUILT STRUCTURE. SUBMIT CONSTRUCTION PLANS ACCORDING TO C&MS 501.05. GENERAL NOTE CUT LINE CONSTRUCTION JOINT PREPARATION SAW CUT BOUNDARIES OF PROPOSED CONCRETE REMOVALS 1 INCH DEEP. REMOVE CONCRETE TO A ROUGH SURFACE. LEAVE THE EXISTING REINFORCING STEEL, IF REQUIRED ല് IN THE PLANS, IN PLACE, INSTALL DOWEL BARS IF OVEI Ō SPECIFIED. PRIOR TO CONCRETE PLACEMENT ABRASIVELY ž CLEAN JOINT SURFACES AND EXISTING EXPOSED BRIDGE REINFORCEMENT TO REMOVE LOOSE AND DISINTEGRATED CONCRETE AND LOOSE RUST. THOROUGHLY CLEAN THE JOINT SURFACE AND EXPOSED REINFORCEMENT OF ALL DIRT. DUST. RUST OR OTHER FOREIGN MATERIAL BY THE USE OF WATER, AIR UNDER PRESSURE, OR OTHER METHODS THAT PRODUCE SATISFACTORY RESULTS. EXISTING REINFORCING STEEL DOES NOT HAVE TO HAVE A BRIGHT STEEL FINISH BUT REMOVE ALL PACK AND LOOSE RUST. THOROUGHLY DRENCH EXISTING CONCRETE SURFACES WITH CLEAN WATER AND ALLOW TO DRY TO A DAMP CONDITION BEFORE PLACING CONCRETE. MEASUREMENT & PAYMENT: THE DEPARTMENT WILL MEASURE THE QUANTITY OF REMOVALS ON A LUMP SUM BASIS. THE DEPARTMENT WILL PAY FOR THE ACCEPTED QUANTITIES OF REMOVALS AT THE CONTRACT PRICE FOR ITEM 202 -PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN. 4000609 4000579 SIGN AGENC

DESIGNER	CHECKE
JEM	XXX
REVIE	EWER
MCM	
PROJECT ID	
112	993
SUBSET	TOTAL
2	8
SHEET	TOTAL
P.24	30

CALC:	MCM	DATE:
CHECKED:		DATE:

ESTIMATED	QUANTITIES	(JAC-35-1892 L)
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ITEM	EXTENSION	TOTAL	UNIT	DESCRIPTION	ABUT.	PIERS	SUPER.	GEN.	
202	11203	LS		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN					
202	22900	134	SY	APPROACH SLAB REMOVED				134	
202	23000	132	SY	PAVEMENT REMOVED				132	
202	23500	134	SY	WEARING COURSE REMOVED				134	
202	38000	512.5	FT	GUARDRAIL REMOVED				512.5	-
202	38300	62.5	FT	GUARDRAIL REMOVED, BARRIER DESIGN				62.5	
202	42206	3	EACH	ANCHOR ASSEMBLY REMOVED				3	
202	47000	3	EACH	BRIDGE TERMINAL ASSEMBLY REMOVED				3	
509	10000	4526	LB	EPOXY COATED REINFORCING STEEL	1292		702	2532	
510	10000	160	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	88		72		\vdash
511	34448	24	CY	CLASS QC2 CONCRETE, BRIDGE DECK (PARAPET)			8	16	-
512	10100	373	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)			284	89	
512	74000	206	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES			206		
516	13600	18	SF	1" PREFORMED EXPANSION JOINT FILLER				18	
517	75401	206	FT	RAILING (UPGRADING EXISTING), AS PER PLAN			206		F
519	11100	450	SF	PATCHING CONCRETE STRUCTURE			450		⊢
526	25000	239	SY	REINFORCED CONCRETE APPROACH SLABS (T=15")				239	
526	90011	78	FT	TYPE A INSTALLATION, AS PER PLAN				78	
606	15050	450	FT	GUARDRAIL, TYPE MGS				450	
606	15550	62.5	FT	GUARDRAIL, BARRIER DESIGN, TYPE MGS				62.5	
606	26150	1	EACH	ANCHOR ASSEMBLY, MGS TYPE E				1	⊢
606	26550	1	EACH	ANCHOR ASSEMBLY, MGS TYPE T				1	
606	35002	2	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1				2	
606	35102	1	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 2				1	
606	60012	1	EACH	IMPACT ATTENUATOR, TYPE 1 (BIDIRECTIONAL)				1	
607	39900	160	FT	VANDAL PROTECTION FENCE. 6' STRAIGHT. COATED FABRIC			160		\vdash
626	00102	6	EACH	BARRIER REFLECTOR, TYPE 1			100	6	
626	00112	5	EACH	BARRIER REFLECTOR, TYPE 3				5	
848	10000	501	SY	MICRO SILICA MODIFIED CONCRETE OVERLAY USING HYDRODEMOLITION (2.75" THICK)			501		\vdash
848	20000	501	SY	SURFACE PREPARATION USING HYDRODEMOLITION			501		-
848	30000	10	CY	MICRO SILICA MODIFIED CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY			10		-
848	50000	50	SY	HAND CHIPPING			50		-
848	50100	LS	51	TEST SLAB			LS		-
040	30100	LO					10		
848	50200	10	CY	FULL-DEPTH REPAIR			10		
848	50320	501	SY	EXISTING CONCRETE OVERLAY REMOVED (1.75")			501		
848	50340	50	SY	REMOVAL OF DEBONDED OR DETERIORATED EXISTING VARIABLE THICKNESS CONCRETE OVER	RLAY		50		F

SEE SHEET %	ESTIMATED QUANTITIES BRIDGE NO. JAC-35-1892 L OVER S.R. 327
	SFN 4000579 SFN 4000609 DESIGN AGENCY

CALC:	MCM	DATE
CHECKED		DATE

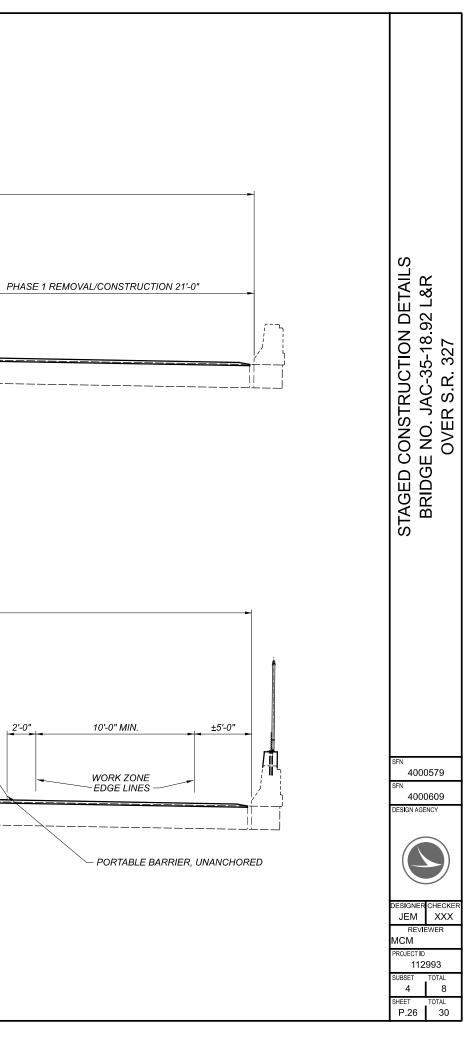
E: ESTIMATED QUANTITIES (JAC-35-1892 R) ITEM EXTENSION TOTAL UNIT DESCRIPTION ABUT. PIERS SUPER. GEN. LS PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN APPROACH SLAB REMOVED SY SY PAVEMENT REMOVED WEARING COURSE REMOVED SY FT GUARDRAIL REMOVED 62.5 FT GUARDRAIL REMOVED, BARRIER DESIGN 62.5 EACH ANCHOR ASSEMBLY REMOVED EACH BRIDGE TERMINAL ASSEMBLY REMOVED LB EPOXY COATED REINFORCING STEEL EACH DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT CY CLASS QC2 CONCRETE, BRIDGE DECK (PARAPET) SY SEALING OF CONCRETE SURFACES (EPOXY-URETHANE) SY REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES SF 1" PREFORMED EXPANSION JOINT FILLER FT RAILING (UPGRADING EXISTING), AS PER PLAN PATCHING CONCRETE STRUCTURE SF SY REINFORCED CONCRETE APPROACH SLABS (T=15") FT TYPE A INSTALLATION, AS PER PLAN FT GUARDRAIL, TYPE MGS FT GUARDRAIL, BARRIER DESIGN, TYPE MGS 62.5 62.5 EACH ANCHOR ASSEMBLY, MGS TYPE E EACH MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1 IMPACT ATTENUATOR, TYPE 1 (BIDIRECTIONAL) EACH VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC FT EACH BARRIER REFLECTOR, TYPE 1 EACH BARRIER REFLECTOR, TYPE 3 MICRO SILICA MODIFIED CONCRETE OVERLAY USING HYDRODEMOLITION (2.75" THICK) SY SURFACE PREPARATION USING HYDRODEMOLITION SY CY MICRO SILICA MODIFIED CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY SY HAND CHIPPING LS TEST SLAB LS CY FULL-DEPTH REPAIR SY EXISTING CONCRETE OVERLAY REMOVED (1.75") REMOVAL OF DEBONDED OR DETERIORATED EXISTING VARIABLE THICKNESS CONCRETE OVERLAY SY

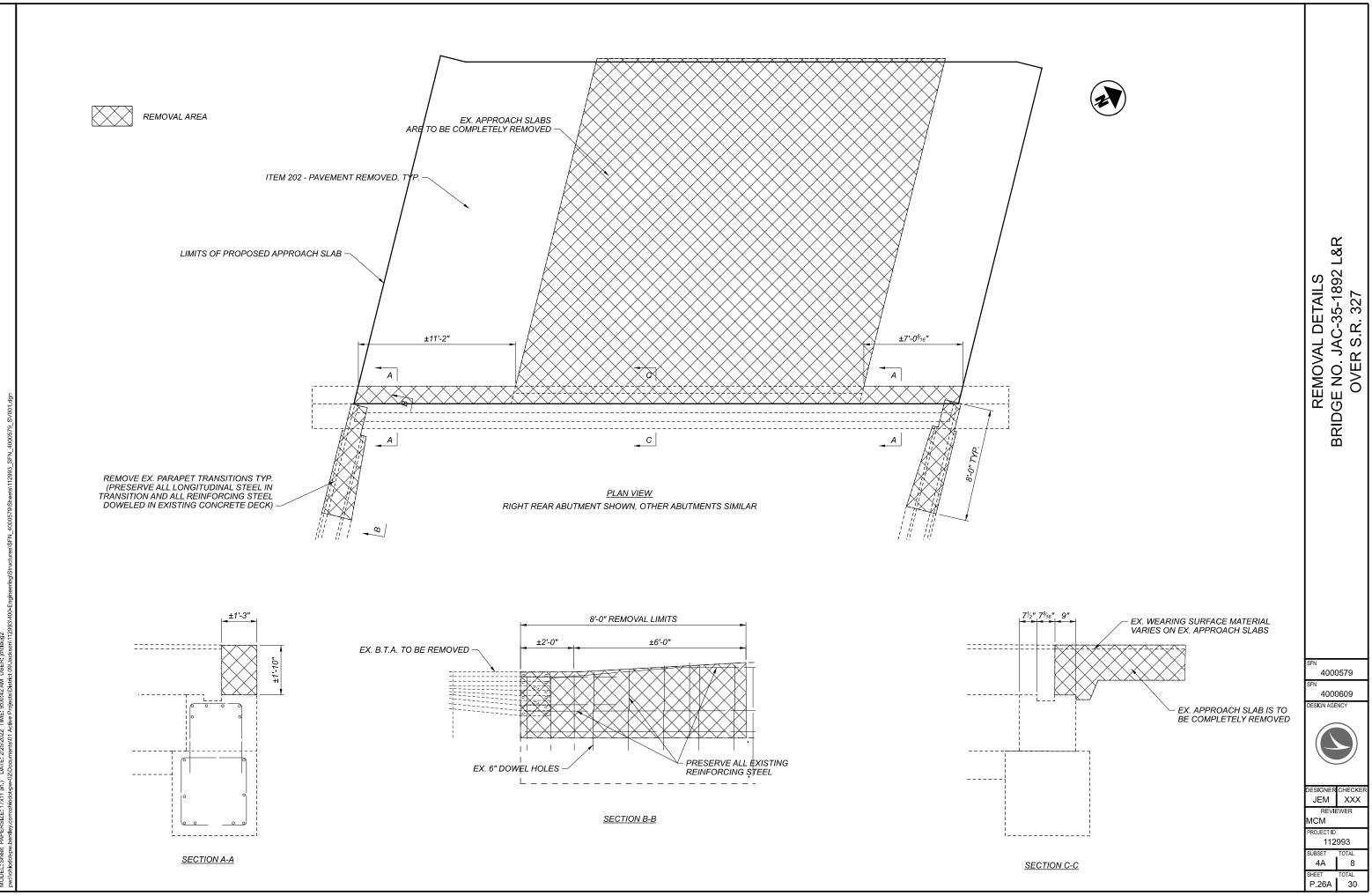
SEE SHEET %		ESTIMATED QUANTITIES BRIDGE NO. JAC-35-1892 R OVER S.R. 327	
	S S S S S S S S S S S S S S S S S S S	SFN 4000579 SFN 4000609 DESIGN AGENCY DESIGNER CHECKEE JEM XXX REVIEWER MCM PROJECT ID 112993 SUBSET TOTAL 3A 8 SHEET TOTAL P.25A 30	

38'-0" 38'-0" - ∉ WESTBOUND LANES € EASTBOUND LANES -PHASE 1 REMOVAL/CONSTRUCTION 21'-0" LANE WIDTH 10'-0" LANE WIDTH 10'-0" 1'-0" 2'-0" 2'-0" 2'-0" 2'-0" 1'-0" WORK ZONE EDGE LINES WORK ZONE - EDGE LINES ≤∠___ ========= ◢___ _____ - PORTABLE BARRIER, ANCHORED PORTABLE BARRIER, ANCHORED PHASE 1 MAINTENANCE OF TRAFFIC ±38'-0" ±38'-0" *∉ EASTBOUND LANES* · € WESTBOUND LANES 2'-0" ±5'-0" 10'-0" MIN. 2'-0" 2'-0" PHASE 2 REMOVAL/CONSTRUCTION 17'-0" PHASE 2 REMOVAL/CONSTRUCTION 17'-0" 2'-0" P <u>T</u> WORK ZONE - EDGE LINES PORTABLE BARRIER, UNANCHORED -PHASE 2 MAINTENANCE OF TRAFFIC

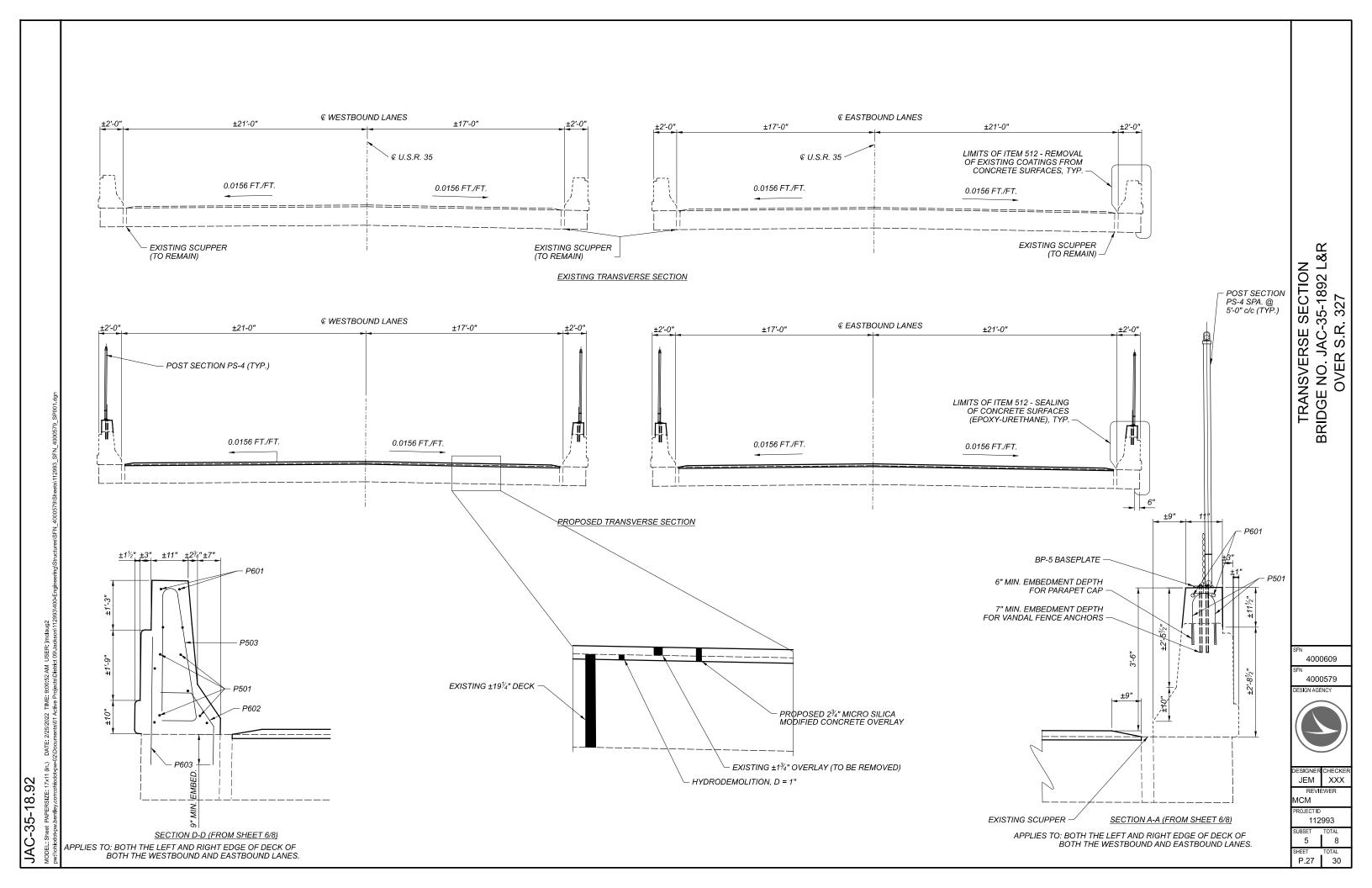
DATE: 2/25/2022 TIME: 9:00:32 AM USER: jmdaug2 2(Documents/01 Active Projects/District 09/Jackson/112 PAPERSIZE: 17x11 (in.) bentlev.com:ohiodot-pw-0 JAC-35-18.92 Sheet Щ

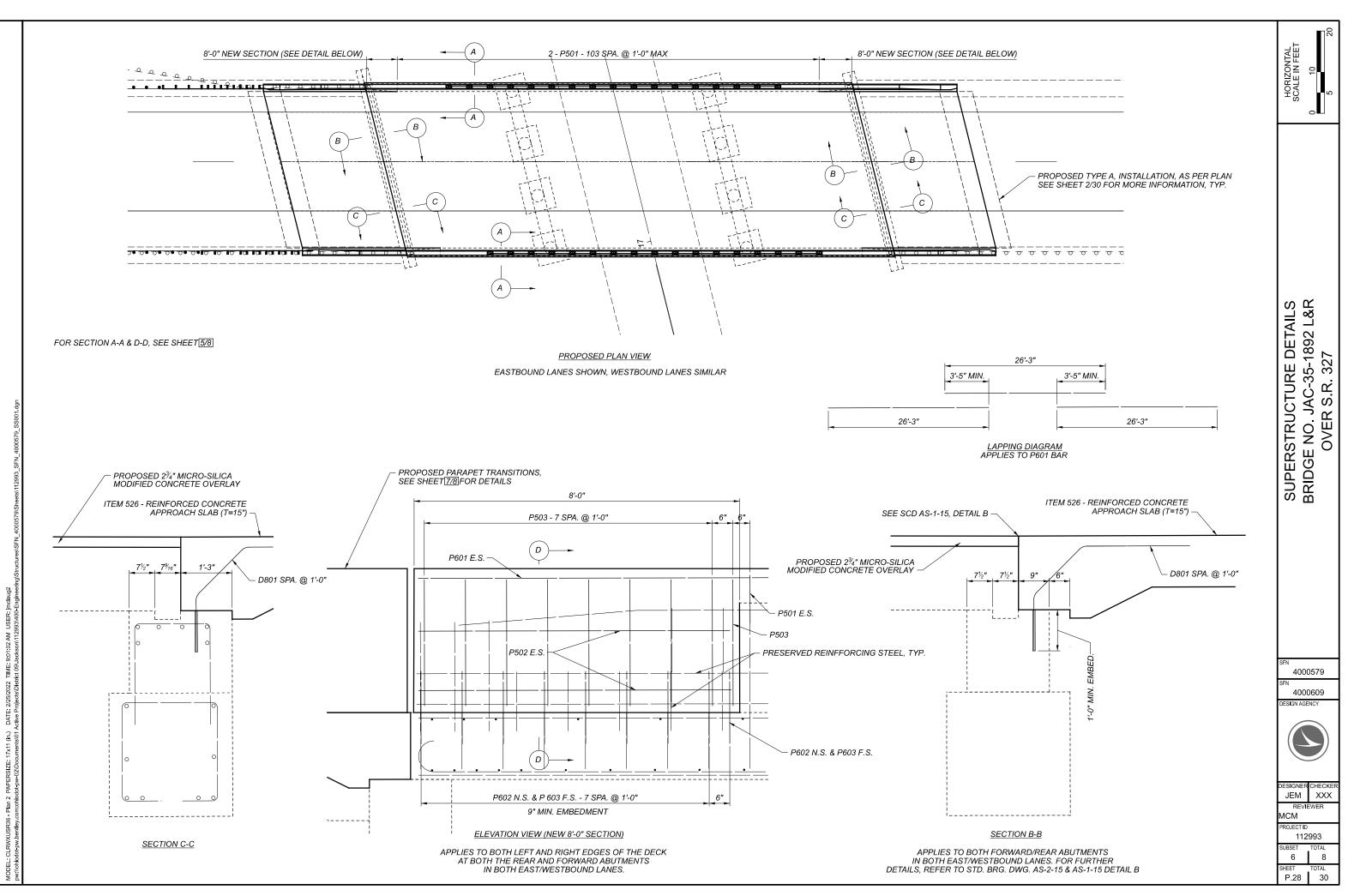
MOL

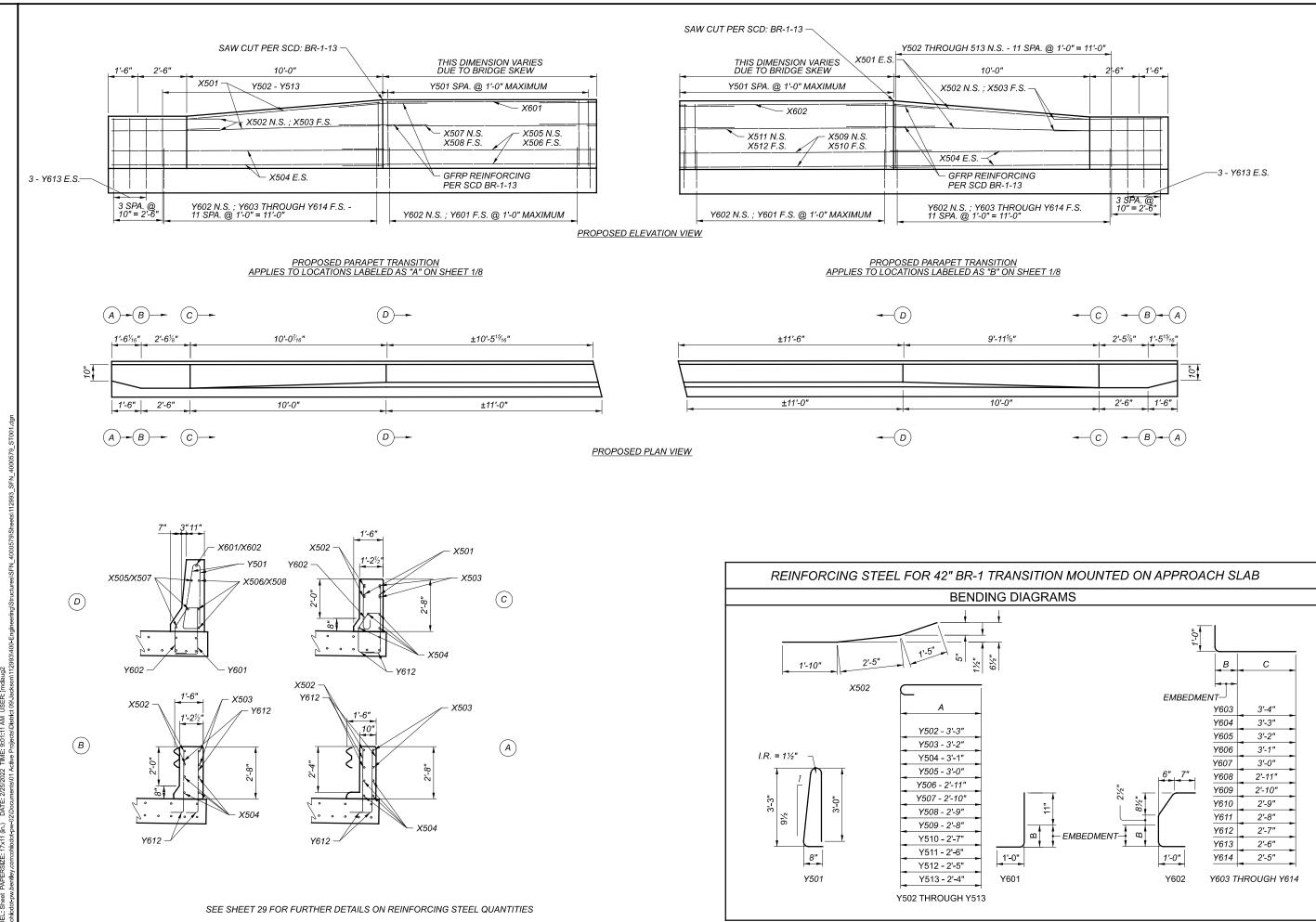




TIME: 9:00:42 AM USER: jmclaug2 DATE: 2/25/2022 PAPERSIZE: 17x11 (in.)

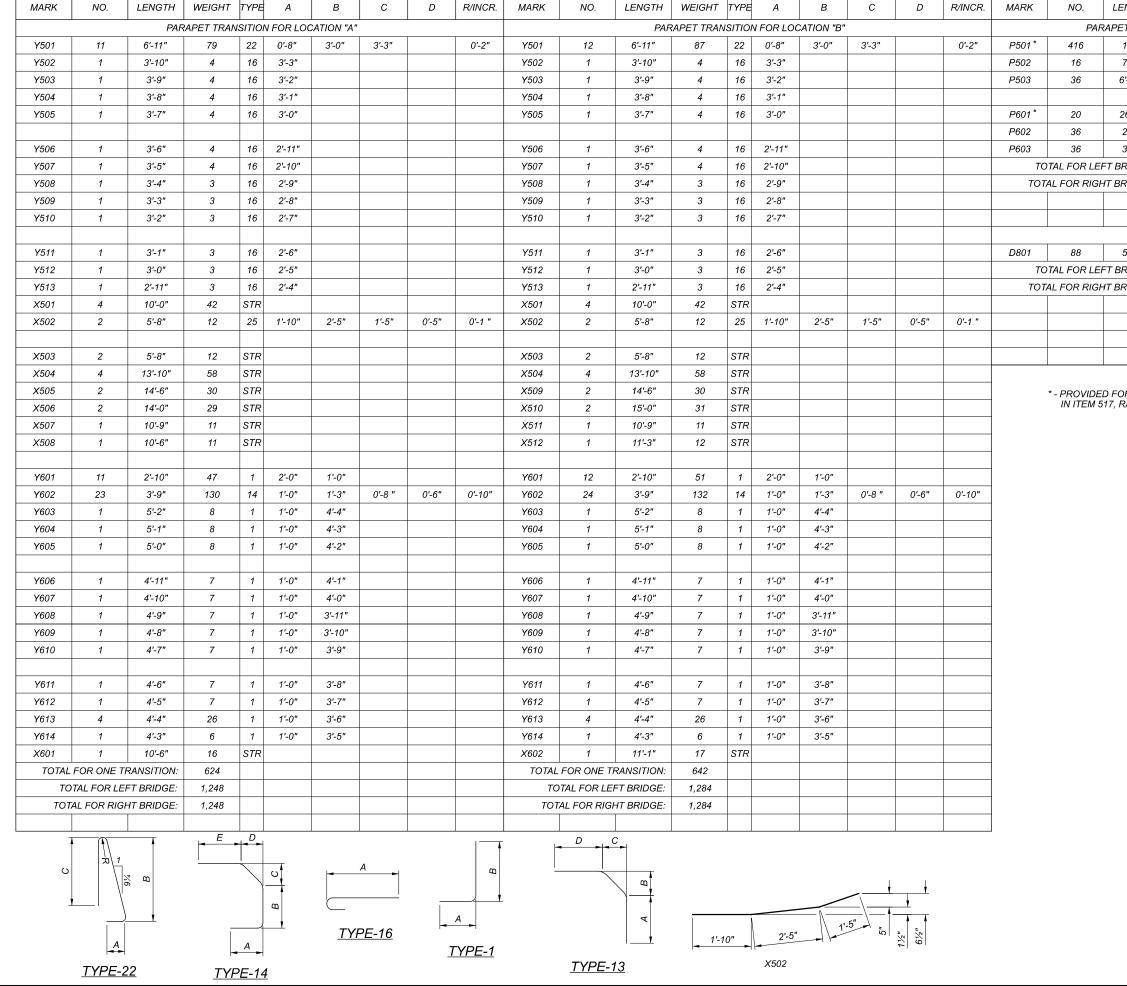






DATE: 2/25/2022 TIME: 9:01:11 AM USER: jmdaug2 Mnorumente/01 Active Protects/District 00/ Jackson/113 PAPERSIZE: 17x11 (in.) ЫÖ

PROPOSED PARAPET TRANSITIONS	APPROACH SLAB	BRIDGE NO. JAC-35-1892 L&R
1		
SFN 40 SFN	00057	/g
40 SFN	00060)9
40 SFN 40	00060)9
40 SFN 40 DESIGN DESIGN JEN		D9
40 SFN 40 DESIGN DESIGN JEM RE MCM PROJEC		ECKER XXX ER



LL: Sheet PAPERSIZE: 17x11 (in.) DATE: 225/2022 TIME: 9:01:21 AM USER: jmdaug2 idod-pw.bentley.com:chicdot-pw-02.Documents/01 Active Projects/District 09/Jackson112993400-Engineering/Structures/SFN_4000579/Sheets/112993_SFN_4000579_SL00

JAC-35-18.92

ENGTH	WEIGHT	TYPE	А	В	С	D
ET CAP A	ND RE-CON	STRU	CTION (FO	R ONE BRI	DGE)	
1'-9"	759	1	0'-6"	1'-5"		
7'-7"	127	STR				
6'-11"	260	22	0'-8"	3'-0"	3'-3"	0'-2"
26'-3"	789	STR				
2'-8"	144	13	1'-0"	0'-10"	0'-7"	0'-9"
3'-2"	171	STR				
BRIDGE:	702					
BRIDGE:	702					
AL	BUTMENT (F	OR OF	NE BRIDGE	=)		-
5'-6"	1292	13	1'-5"	1'-2"	1'-2"	2'-6"
BRIDGE:	1,292					
RIDGE:	1,292					

* - PROVIDED FOR INFORMATION ONLY, PAYMENT INCLUDED IN ITEM 517, RAILING (UPGRADE EXISTING), AS PER PLAN

REINFORCING STEEL LIST	BRIDGE JAC-35-1892 L&R	OVER S.R. 327
	00057	79
4 SFN	00060)9
4 SFN 4	00060)9
41 SFN 41 DESIGN DESIGN JEN		D9
44 SFN 44 DESIGN DESIGN JEN RI MCM PROJEC		D9 () ECKER XXX ER
44 SFN 44 DESIGN DESIGN JEN RI MCM PROJEC		D9 () ECKER XXX ER