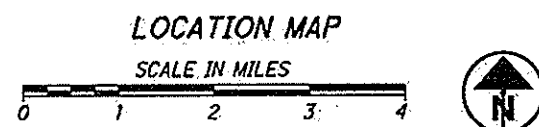
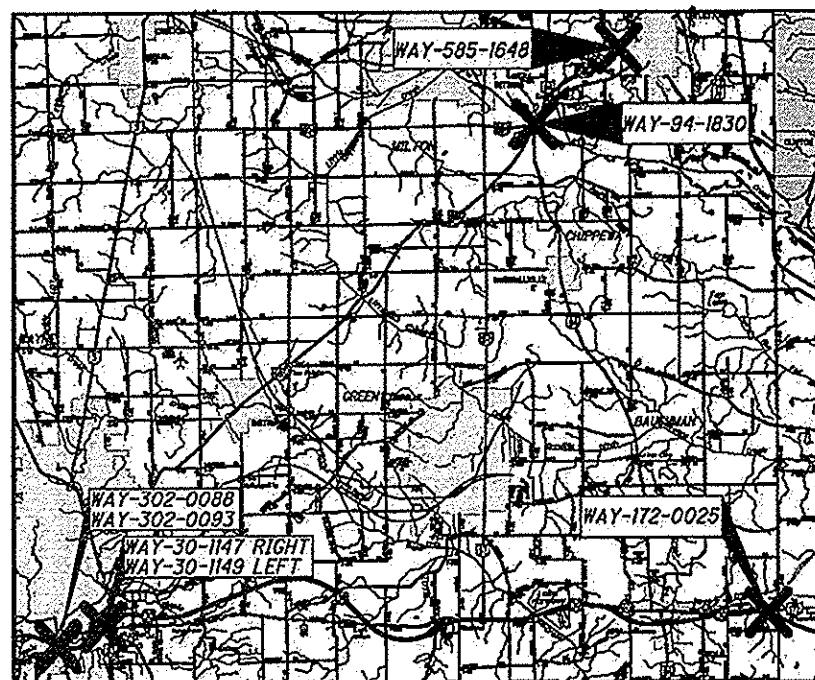


STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
WAY-BH-FY2015
CITY OF WOOSTER
CHIPPEWA TOWNSHIP
SUGAR CREEK TOWNSHIP
WOOSTER TOWNSHIP
WAYNE COUNTY



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

DESIGN DESIGNATION

SEE SHEET TWO FOR DESIGN DESIGNATION.

DESIGN EXCEPTIONS

NONE

STRUCTURE WAY-30-1149 LT:
LATITUDE: 40°47'45" LONGITUDE: 81°55'02"
STRUCTURE WAY-30-1147 RT:
LATITUDE: 40°47'45" LONGITUDE: 81°55'01"
STRUCTURE WAY-94-1830:
LATITUDE: 40°56'47" LONGITUDE: 81°44'36"
STRUCTURE WAY-172-0025:
LATITUDE: 40°47'52" LONGITUDE: 81°39'07"
STRUCTURE WAY-302-0088:
LATITUDE: 40°47'23" LONGITUDE: 81°56'07"
STRUCTURE WAY-302-0093:
LATITUDE: 40°47'26" LONGITUDE: 81°56'09"
STRUCTURE WAY-585-1648:
LATITUDE: 40°58'09" LONGITUDE: 81°42'34"

INDEX OF SHEETS:

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STRUCTURE WAY-302-0088 24-29
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PROJECT DESCRIPTION

BRIDGE MAINTENANCE ITEMS INCLUDING PAINTING,
SEALING, VARIOUS HEAT STRAIGHTENING REPAIRS,
VARIOUS STEEL AND CONCRETE REPAIRS AND
VARIOUS BEARING/ABUTMENT WORK.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA: N/A ACRES
(MAINTENANCE PROJECT)
ESTIMATED CONTRACTOR EARTH DISTURBED AREA: N/A ACRES
(MAINTENANCE PROJECT)
NOTICE OF INTENT EARTH DISTURBED AREA: N/A ACRES
(MAINTENANCE PROJECT)

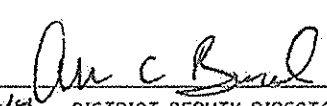
LIMITED ACCESS

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.

2013 SPECIFICATIONS

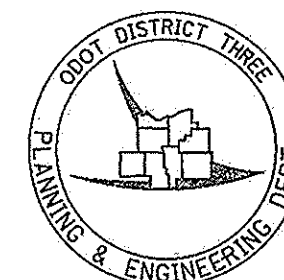
THE STANDARD SPECIFICATIONS OF THE STATE OF
OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING
CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED
IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT
THE MAKING OF THIS IMPROVEMENT WILL REQUIRE
THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT
DETOURS WILL BE PROVIDED AS INDICATED ON
SHEET 8.

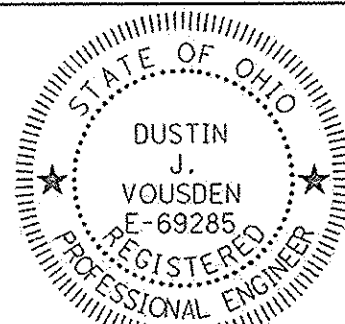
APPROVED 
DATE 9-12-14 DISTRICT DEPUTY DIRECTOR

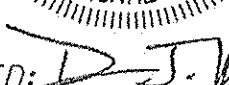
APPROVED 
DATE 9-23-14 DIRECTOR, DEPARTMENT OF
TRANSPORTATION

PLANS PREPARED BY:



ENGINEERS SEAL:



SIGNED: 
DATE: 9/15/14

STANDARD CONSTRUCTION DRAWINGS

STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS		SPECIAL PROVISIONS	
DM-4.3	7/19/13	MT-95.30	7/18/14	TC-41.20	10/18/13	800	10/17/14
DM-4.4	7/20/12	MT-95.31	7/18/14	TC-42.20	10/18/13	821	4/20/12
		MT-95.32	7/18/14	TC-52.10	10/18/13	832	1/17/14
		MT-95.40	7/18/14	TC-52.20	7/18/14	849	1/18/13
		MT-95.41	7/18/14				
		MT-95.50	7/19/13				
		MT-96.11	7/18/14				
GSD-1-96	7/19/02	MT-96.20	7/19/13				
RB-1-55	7/19/13	MT-96.26	7/19/13				
		MT-97.10	7/18/14				
		MT-98.20	7/18/14				
		MT-101.60	7/19/13				
		MT-101.70	1/17/14				
		MT-101.90	7/18/14				
		MT-105.10	7/19/13				

FEDERAL PROJECT NO.
E101095

PID NO.
83453

CONSTRUCTION PROJECT NO.

RAILROAD INVOLVEMENT
NONE

WAY-BH-FY2015

1
36

WAY - BH-FY2015

140586 PID - 83453

Contract Proposal Available @ www.

contracts.dot.state.oh.us/home

DATE 9/15/14
FILED 9/15/14
WORKSTATION 10/15/14

DESIGN DESIGNATION WAY-172-0.00-0.57	
CURRENT ADT (2015)	3900
DESIGN YEAR ADT (2040)	3900
DESIGN HOURLY VOLUME (2040)	390
DIRECTIONAL DISTRIBUTION	0.53
TRUCKS (24 HOUR B&C)	0.04
DESIGN SPEED	55MPH
LEGAL SPEED	55MPH
DESIGN FUNCTIONAL CLASSIFICATION:	
RURAL PRINCIPAL ARTERIAL	
NHS PROJECT	YES

DESIGN DESIGNATION WAY-302-0.00-0.94	
CURRENT ADT (2015)	13000
DESIGN YEAR ADT (2040)	16000
DESIGN HOURLY VOLUME (2040)	1600
DIRECTIONAL DISTRIBUTION	0.53
TRUCKS (24 HOUR B&C)	0.02
DESIGN SPEED	55MPH
LEGAL SPEED	55MPH
DESIGN FUNCTIONAL CLASSIFICATION:	
RURAL PRICIPAL ARTERIAL	
NHS PROJECT	YES

DESIGN DESIGNATION WAY-30-11.24-11.49	
CURRENT ADT (2015)	24000
DESIGN YEAR ADT (2040)	42000
DESIGN HOURLY VOLUME (2040)	4200
DIRECTIONAL DISTRIBUTION	0.53
TRUCKS (24 HOUR B&C)	0.17
DESIGN SPEED	55MPH
LEGAL SPEED	55MPH
DESIGN FUNCTIONAL CLASSIFICATION:	
FREEWAYS AND EXPRESSWAYS	
NHS PROJECT	YES

DESIGN DESIGNATION WAY-585-15.88-18.70	
CURRENT ADT (2015)	9600
DESIGN YEAR ADT (2040)	12000
DESIGN HOURLY VOLUME (2040)	1200
DIRECTIONAL DISTRIBUTION	0.53
TRUCKS (24 HOUR B&C)	0.08
DESIGN SPEED	35MPH
LEGAL SPEED	35MPH
DESIGN FUNCTIONAL CLASSIFICATION:	
RURAL PRINCIPAL ARTERIAL	
NHS PROJECT	NO

DESIGN DESIGNATION WAY-94-18.21-19.07	
CURRENT ADT (2015)	11000
DESIGN YEAR ADT (2040)	13000
DESIGN HOURLY VOLUME (2040)	1300
DIRECTIONAL DISTRIBUTION	0.53
TRUCKS (24 HOUR B&C)	0.08
DESIGN SPEED	55MPH
LEGAL SPEED	55MPH
DESIGN FUNCTIONAL CLASSIFICATION:	
RURAL MINOR ARTERIAL	
NHS PROJECT	NO

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REFERENCES SHALL BE MADE TO STANDARD BRIDGE DRAWINGS

GSD-1-96 DATED 7-19-2002
RB-1-55 DATED 7-19-2013

REFERENCES SHALL BE MADE TO SUPPLEMENTAL SPECIFICATIONS

SS849 DATED 1-18-2013

EXISTING STRUCTURE VERIFICATION

DETAILS AND DIMENSIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING STRUCTURES HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING STRUCTURES AND FROM FIELD OBSERVATIONS AND MEASUREMENTS. CONSEQUENTLY, THEY ARE INDICATIVE OF THE EXISTING STRUCTURES AND THE PROPOSED WORK BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. THE CONTRACTOR IS REFERRED TO CMS SECTIONS 102.05, 105.02 AND 513.04.

BASE CONTRACT BID PRICES UPON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PRE BID EXAMINATION OF THE EXISTING STRUCTURES. HOWEVER, THE DEPARTMENT WILL PAY FOR ALL PROJECT WORK BASED UPON ACTUAL DETAILS AND DIMENSIONS THAT HAVE BEEN VERIFIED IN THE FIELD.

EXISTING PLANS

THE ORIGINAL CONSTRUCTION PLANS OF THE EXISTING BRIDGES ARE AVAILABLE UPON REQUEST AT THE DISTRICT 3 OFFICE OF THE OHIO DEPARTMENT OF TRANSPORTATION, ASHLAND, OH.

STRUCTURE #:	PLAN NAME:	DATE:
WAY-172-0.25	WAY-30-25.23	UNKNOWN
WAY-30-11.47 (RIGHT)	WAY-3-14.72	1966
WAY-30-11.47 (LEFT)	WAY-3-14.72	1966
WAY-94-18.30	WAY-5-15.49	1955
WAY-302-0.88	WAY-30-9.50	1960
WAY-302-0.93	WAY-30-9.50	1960
WAY-585-16.48	WAY-5-15.78	1958

DESIGN DATA

CONCRETE CLASS QCI - COMPRESSIVE STRENGTH 4,000 PSI
STRUCTURAL STEEL - ASTM A709 GRADE 50W OR GRADE 50, YIELD STRENGTH 50,000 PSI
A709 GRADE 36 - YIELD STRENGTH 36,000 PSI

UTILITIES

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

PAINTING STRUCTURAL STEEL - COLORS

THE COLOR OF THE FINISH COAT FOR STRUCTURE WAY-30-11.47 RT, WAY-30-11.47 LT, WAY-302-0.88, AND WAY-302-0.93 SHALL BE FEDERAL COLOR STANDARD 595B, NO. 17778-LIGHT NEUTRAL.

THE COLOR OF THE FINISH COAT FOR STRUCTURES WAY-94-18.30, WAY-172-0.25, AND WAY-585-16.48 SHALL BE FEDERAL COLOR STANDARD 595B NO. 16515-GRAY.

IN-STREAM WORK RESTRICTION

THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO AVOID CONSTRUCTION IN AND/OR LIMIT DEMOLITION DEBRIS FROM ENTERING STREAMS OR WETLANDS. ANY MATERIAL THAT DOES FALL INTO STREAMS OR WETLANDS SHALL BE REMOVED AS SOON AS POSSIBLE.

ALL PROJECTS INVOLVING JURISDICTIONAL WATERS OF THE UNITED STATES (STREAMS, RIVERS, NON-ISOLATED WETLANDS) AND/OR ISOLATED WETLANDS ARE SUBJECT TO REGULATION UNDER SECTIONS 404 AND 401 OF THE CLEAN WATER ACT, AND POSSIBLY OHIO EPA ISOLATED WETLAND LAW. IT IS ANTICIPATED THAT NO IN-STREAM WORK, OR WORK UNDER THE STREAM'S ORDINARY HIGH WATER MARK (OHWM) WILL BE NEEDED. THEREFORE NO WATERWAY PERMITS HAVE BEEN GRANTED AND NO IN-STREAM WORK IS ALLOWED.

SHOULD WORK (EITHER TEMPORARY OR PERMANENT) IN THE STREAM BE NEEDED; IT WILL REQUIRE A PERMIT AND AUTHORIZATION BY THE UNITED STATES ARMY CORPS OF ENGINEERS (USACE). THE CONTRACTOR SHALL NOT UTILIZE FILLS BELOW OHWM UNTIL SUCH ACTIVITY IS AUTHORIZED BY THE USACE. DETAILS OF THIS REQUIREMENT ARE DESCRIBED IN ODOT'S SUPPLEMENTAL SPECIFICATION 832.09.

USACE DEFINITION OF OHWM - THE ORDINARY HIGH WATER MARK IS THE LINE ON THE SHORES ESTABLISHED BY THE FLUCTUATIONS OF WATER AND INDICATED BY PHYSICAL CHARACTERISTICS SUCH AS A CLEAR, NATURAL LINE IMPRESSED ON THE BANK; SHELVING; CHANGES IN THE CHARACTER OF THE SOIL; DESTRUCTION OF TERRESTRIAL VEGETATION; THE PRESENCE OF LITTER AND DEBRIS; OR THE APPROPRIATE MEANS THAT CONSIDER THE CHARACTERISTICS OF THE SURROUNDING AREAS.

ITEM 202 - PORTIONS OF STRUCTURE REMOVED, AS PER PLAN

THIS ITEM SHALL INCLUDE THE ELEMENTS INDICATED IN THE PLANS AND GENERAL NOTES. 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. THE METHOD OF REMOVAL SHALL BE APPROVED BY THE ENGINEER. PERFORM ALL WORK IN A MANNER THAT WILL NOT CUT, ELONGATE OR DAMAGE THE EXISTING REINFORCING STEEL TO BE PRESERVED. CHIPPING HAMMERS SHALL NOT BE HEAVIER THAN THE NOMINAL 90-POUND CLASS. PNEUMATIC HAMMERS SHALL NOT BE PLACED IN DIRECT CONTACT WITH REINFORCING STEEL THAT IS TO BE RETAINED IN THE REBUILT STRUCTURE. SUBMIT CONSTRUCTION PLANS ACCORDING TO CMS 501.05.

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 IN THE PLANS, IN PLACE. PRIOR TO CONCRETE PLACEMENT. ABRASIVELY CLEAN JOINT SURFACES AND EXISTING EXPOSED 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.

PAYMENT FOR ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY TO COMPLETE THE ABOVE WORK SHALL BE INCLUDED IN THE UNIT PRICE BID PER CUBIC YARD OF ITEM 202 - PORTIONS OF STRUCTURE REMOVED, AS PER PLAN.

ITEM 202 - PORTIONS OF STRUCTURE REMOVED, AS PER PLAN (MAIN MEMBERS)

THIS ITEM CONSISTS OF THE REMOVAL OF THE EXISTING MAIN BEAM MEMBERS TO THE LIMITS SHOWN IN THE PLANS. THIS INCLUDES THE TEMPORARY SUPPORT OF THE EXISTING MAIN MEMBERS WHICH SHALL BE IN ACCORDANCE WITH SUPPLEMENTAL SPECIFICATION 849.13 - STRAIGHTENING WORK PLAN. FLAME OR SAW CUT PORTIONS OF THE EXISTING MAIN MEMBERS USING A MECHANICAL GUIDE ACCORDING TO C&MS 513.12. PROVIDE SHIELDING AS NECESSARY TO PREVENT DAMAGE TO MAIN OR SECONDARY MATERIALS THAT REMAIN. GRIND THE REMAINING CUT SURFACES OF THE EXISTING MEMBER SMOOTH IN PREPARATION FOR THE BOLTED BEAM SPLICES.

PAYMENT FOR ALL MATERIALS, TOOLS, LABOR, EQUIPMENT, AND INCIDENTALS NECESSARY TO COMPLETE THE ABOVE WORK WILL BE MADE AT THE CONTRACT PRICE BID FOR ITEM 202 - PORTIONS OF STRUCTURE REMOVED, AS PER PLAN (MAIN MEMBERS).

ITEM 202 - REMOVAL MISC.: ABANDONED LIGHT FIXTURES AND CONDUITS

THIS ITEM SHALL BE USED TO REMOVE ABANDONED LIGHT FIXTURES AND CONDUITS UNDER BRIDGE.

PAYMENT FOR ALL OF THE ABOVE SHALL BE AT THE UNIT PRICE BID PER EACH OF THE ABOVE ITEM, WHICH WILL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY TO COMPLETE THE ABOVE WORK.

ITEM 511 - CLASS QCI CONCRETE, ABUTMENT, AS PER PLAN (REPAIR)

EACH ITEM SHALL BE USED AT THE LOCATIONS INDICATED IN THE PLANS.

THE COARSE AGGREGATE SHALL BE LIMESTONE.

PAYMENT FOR ALL OF THE ABOVE SHALL BE AT THE UNIT PRICE BID FOR EACH OF THE ABOVE ITEMS WHICH SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY TO COMPLETE THE ABOVE WORK.

ITEM SPECIAL - PATCHING CONCRETE BRIDGE DECK OVERLAYS WITH MICRO-SILICA MODIFIED CONCRETE

THESE ITEMS SHALL CONSIST OF PATCHING PORTIONS OF CONCRETE SURFACES AS OUTLINED IN THE PLANS . REMOVE ALL UNSOUND MATERIAL FROM AROUND THE REPAIR AREA PRIOR TO PATCHING.

PAYMENT FOR ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS, NECESSARY TO COMPLETE THE ABOVE WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE ABOVE ITEM.

ITEM 513 - STRUCTURAL STEEL, MISC.: CROSSFRAME WELD REPAIR

THIS ITEM SHALL BE USED AT THE LOCATIONS INDICATED IN THE PLANS.

PAYMENT FOR ALL OF THE ABOVE SHALL BE AT THE UNIT PRICE BID FOR EACH OF THE ABOVE ITEMS WHICH SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY TO COMPLETE THE ABOVE WORK.

FOR ANY WELD DETAILS NOT SHOWN IN THE PLANS, REFER TO SBD GSD-1-96.

ITEM 513 - STRUCTURAL STEEL MEMBERS, LEVEL 2, AS PER PLAN

THIS ITEM CONSISTS OF PROVIDING AND INSTALLING THE NEW MAIN BEAM MEMBERS AS SHOWN IN THE PLANS. THIS ITEM ALSO INCLUDES THE REMOVAL OF THE BOTTOM OF THE EXISTING CONCRETE DECK SLAB TO ACCEPT THE TOP FLANGE OF THE NEW BEAM MEMBERS AND THE INSTALLATION OF EPOXY GROUT AROUND THE TOP FLANGE OF THE NEW BEAM MEMBERS AS SHOWN IN THE PLANS. PROVIDE NON-SHRINK, NON-METALLIC EPOXY GROUT IN ACCORDANCE WITH C&MS 705.20. PRIOR TO INJECTING THE GROUT, THOROUGHLY CLEAN THE BOTTOM OF THE DECK SLAB AND THE TOP FLANGE OF THE NEW BEAM MEMBER OF ALL DIRT, DUST, OR OTHER FOREIGN MATERIALS WITH WATER, AIR UNDER PRESSURE, OR ANY OTHER METHOD THAT PRODUCES SATISFACTORY RESULTS. THE EPOXY GROUT SHALL BE APPLIED UNDER PRESSURE SO THAT ALL VOIDS BETWEEN DECK SLAB AND THE TOP FLANGE OF THE NEW BEAM MEMBER ARE FILLED. PLACE EPOXY GROUT BY HAND IN THOSE AREAS IMMEDIATELY ADJACENT TO THE TOP FLANGE AS SHOWN IN THE PLANS.

PAYMENT FOR ALL MATERIALS, TOOLS, LABOR, EQUIPEMENT, AND INCIDENTALS NECESSARY TO COMPLETE THE ABOVE WORK WILL BE MADE AT THE CONTRACT PRICE BID FOR ITEM 513 - STRUCTURAL STEEL MEMBERS, LEVEL 2, 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, 501.06, TO THE ENGINEER. PROVIDE SHOP DRAWINGS ACCORDING TO 513.06 OR SUPPLY THE ENGINEER WITH "AS-BUILT" DRAWINGS MEETING 513.06 AFTER COMPLETION OF FIELD FABRICATION. THE ENGINEER WILL REVIEW THE SUBMITTED DRAWINGS FOR CONCURRENCE WITH THE FINAL AS-BUILT CONDITION. IF NECESSARY, THE ENGINEER MAY CONTACT THE OFFICE OF STRUCTURAL ENGINEERING FOR TECHNICAL ASSISTANCE. IF THE ENGINEER IS SATISFIED WITH THE "AS-BUILT" DRAWINGS AND THE DELIVERED MATERIALS, SUPPLY A COPY OF THE DRAWINGS, STAMPED AND DATED, ALONG WITH MICROFILM, TO THE STRUCTURAL, WELDING AND METALS SECTION OF THE OFFICE OF MATERIAL MANAGEMENT FOR RECORD PURPOSES.

COST TO REMOVE EXISTING CROSS FRAME MEMBERS AND ALL NECESSARY GRINDING SHALL BE INCLUDED IN THIS ITEM.

THE FOLLOWING MEMBERS ARE INCLUDED IN THIS ITEM: 4 X 4 X ¾, 4 X 4 X ⅝, AND 3 X 3 X ⅝ ANGLES.

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

THIS WORK CONSISTS OF RAISING OR REPOSITIONING EXISTING STRUCTURE TO THE DIMENSIONS AND REQUIREMENTS DEFINED IN THE PROJECT PLANS.

SUBMIT WORKING DRAWINGS AND CALCULATIONS IN ACCORDANCE WITH CMS 501.05.

ALL JACKING AND TEMPORARY SUPPORTING SHALL BE DONE PRIOR TO PLACING THE OVERLAY.

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 FOR ITEM 516 - JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN.

ITEM 518 - SCUPPER, MODIFICATION, AS PER PLAN

REMOVE BOTTOM 12" OF EXISTING SCUPPER DOWNSPOUT. GRIND TO CREATE A SMOOTH, BURR-FREE SURFACE. REMOVE AND REPLACE EXISTING SCUPPER SUPPORT BARS. PERFORM ON ALL (12) SCUPPERS.

PAYMENT FOR ALL MATERIALS, TOOLS, LABOR, EQUIPEMENT, AND INCIDENTALS NECESSARY TO COMPLETE THE ABOVE WORK WILL BE MADE AT THE CONTRACT PRICE BID FOR ITEM 518 - SCUPPER, MODIFICATION, AS PER PLAN.

ITEM 518 - SCUPPER, LENGTHING, AS PER PLAN

REPLACE BOTTOM 12" OF SCUPPER DOWNSPOUT REMOVED USING ITEM 518 SCUPPER MODIFICATION, AS PER PLAN WITH A 21" SECTION OF COMPARABLE PIPE CONFORMING TO CMS 518.

PAYMENT FOR ALL MATERIALS, TOOLS, LABOR, EQUIPEMENT, AND INCIDENTALS NECESSARY TO COMPLETE THE ABOVE WORK WILL BE MADE AT THE CONTRACT PRICE BID FOR ITEM 518 - SCUPPER, LENGTHING, AS PER PLAN.

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ITEM 849 - DAMAGE ASSESSMENT
ITEM 849 - SURFACE PREPARATION
ITEM 849 - REPAIRING DAMAGED MEMBERS BY GRINDING
ITEM 849 - STRAIGHTENING DAMAGED MEMBERS

THESE ITEMS SHALL BE IN ACCORDANCE WITH THE SUPPLEMENTAL SPECIFICATION FOR HEAT STRAIGHTENING OF DAMAGED STRUCTURAL STEEL.

PAYMENT FOR ALL OF THE ABOVE SHALL BE AT THE UNIT PRICE BID FOR EACH OF THE ABOVE ITEMS, WHICH SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY TO COMPLETE THE ABOVE WORK.

AIRWAY/HIGHWAY CLEARANCE FOR AIRPORTS AND HELIPORTS

THIS PROJECT HAS BEEN IDENTIFIED AS BEING WITHIN THE INFLUENCE AREA OF A PUBLIC USE AIRPORT OR HELIPORT. NO TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT, AT MAXIMUM OPERATING HEIGHT, SHALL EXCEED A HEIGHT OF 25 FEET. IF ANY TEMPORARY STRUCTURE OR CONSTRUCTION EQUIPMENT WILL EXCEED THIS HEIGHT, FURTHER COORDINATION WITH THE FEDERAL AVIATION ADMINISTRATION (FAA) AND ODOT OFFICE OF AVIATION WILL BE NECESSARY PRIOR TO ERECTING SUCH TEMPORARY STRUCTURES OR OPERATING SUCH EQUIPMENT ON THE PROJECT. THE CONTRACTOR WILL BE REQUIRED TO FILE A NEW FAA FORM 7460-1 ADVISING THE FAA THAT AERONAUTICAL STUDY NUMBER(S) [SEE BELOW LIST] IS (ARE) BEING RESUBMITTED AND THAT AN ALTERATION TO THE ORIGINAL SUBMISSION(S) IS (ARE) REQUESTED.

NOTIFY THE ODOT OFFICE OF AVIATION WHEN RESUBMITTING AN FAA FORM 7460-1. NO TEMPORARY STRUCTURES OF CONSTRUCTION EQUIPMENT SHALL EXCEED THE PERMISSIBLE HEIGHT UNTIL A COPY OF THE FAA APPROVAL AND THE OFFICE OF AVIATION PERMIT HAS BEEN FURNISHED TO THE PROJECT ENGINEER.

FAA APPROVAL MAY TAKEUP TO 45 DAYS. ALL SUBMISSIONS SHALL BE DIRECTED TO THESE OFFICES:

EXPRESS PROCESSING CENTER
THE FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGIONAL OFFICE
AIR TRAFFIC AIRSPACE BRANCH ASW-520
2601 MEACHAN BLVD.
FORT WORTH, TX 76137-4298
PREFERRED METHOD:
WEBSITE: oaaaa.faa.gov

OHIO DEPARTMENT OF TRANSPORTATION
OFFICE OF AVIATION
2829 WEST DUBLIN-GRANVILLE ROAD
COLUMBUS, OH 43235
614.387.2346

LAT-LONG DEG-MIN-SEC	AERONAUTICAL STUDY NUMBER
40° 47' 44.76" N, 81° 55' 0.27" W	2014-AGL-6446-OE
40° 47' 45.33" N, 81° 55' 2.85" W	2014-AGL-6447-OE
40° 47' 52.16" N, 81° 39' 7.42" W	2014-AGL-6448-OE
40° 47' 22.06" N, 81° 56' 6.92" W	2014-AGL-6449-OE
40° 47' 25.97" N, 81° 56' 8.57" W	2014-AGL-6450-OE
40° 58' 8.68" N, 81° 42'33.43" W	2014-AGL-6451-OE

**INTERIM COMPLETION DATE FOR STRUCTURES WAY-30-1149 LT,
WAY-30-1147 RT, WAY-302-0088 AND WAY-302-0093**

JULY 15, 2015 IS SET AS THE INTERIM COMPLETION DATE FOR ALL WORK AT STRUCTURES WAY-30-1149 LT, WAY-30-1147 RT, WAY-302-0088 AND WAY-302-0093. FOR EACH CALENDAR DAY BEYOND THE INTERIM COMPLETION DATE THAT THE WORK IS NOT COMPLETED AT THIS LOCATION, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE FEE OF \$1000 PER DAY.

SEE THE COORDINATION OF WORK BETWEEN CONTRACTORS NOTE ON THIS SHEET FOR OTHER PROJECTS NEAR THIS LOCATION.

**INTERIM COMPLETION DATE FOR STRUCTURES
WAY-94-1830 AND WAY-585-1648**

AUGUST 31, 2015 IS SET AS THE INTERIM COMPLETION DATE FOR ALL WORK AT STRUCTURES WAY-94-1830 AND WAY-585-1648. FOR EACH CALENDAR DAY BEYOND THE INTERIM COMPLETION DATE THAT THE WORK IS NOT COMPLETED AT THIS LOCATION, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE FEE OF \$1000 PER DAY.

SEE THE COORDINATION OF WORK BETWEEN CONTRACTORS NOTE ON THIS SHEET FOR OTHER PROJECTS NEAR THIS LOCATION.

COORDINATION OF WORK BETWEEN CONTRACTORS

THE CONTRACTOR SHOULD BE AWARE THAT THERE MAY BE OTHER WORK BEING PERFORMED BY A SEPARATE CONTRACT. WAY-302-4.86 (PID 84605) IS A CULVERT REPLACEMENT PROJECT AND IS SCHEDULED TO BEGIN WORK IN THE 2015 CONSTRUCTION SEASON. WAY-30-9.18 (87745) IS A MICROSURFACING PROJECT SCHEDULED TO BEGIN WORK IN THE 2015 SUMMER CONSTRUCTION SEASON. THE CITY OF WOOSTER HAS A PAVING PROJECT ON PITTSBURGH AVE SCHEDULED TO BEGIN WORK IN THE 2015 CONSTRUCTION SEASON. COORDINATION OF WORK IS THE RESPONSIBILITY OF THE CONTRACTOR.

WAY-94-14.16 (PID 86728) IS A RESURFACING PROJECT AND IS SCHEDULED TO BEGIN WORK IN THE 2015 CONSTRUCTION SEASON. MAINTENANCE WORK WILL ALSO BE PERFORMED ON STRUCTURES WAY-94-1830 AND WAY-585-1648 IN PID 86728. COORDINATION OF WORK IS THE RESPONSIBILITY OF THE CONTRACTOR.

RAMP CLOSURE LIMITATIONS (SR 302 TO US 30 WESTBOUND ON RAMP)

THE INTENT OF THE RAMP CLOSURE LIMITATIONS IN THIS PLAN NOTE IS TO SUPPLEMENT OTHER TIME LIMITATIONS WHICH APPEAR IN THIS CONTRACT.

THE FOLLOWING LANE CLOSURE RESTRICTIONS APPLY:
1. A 14 DAY CLOSURE WILL BE PERMITTED FOR THE CLOSURE OF THE RAMP FOR WORK ON STRUCTURE WAY-302-0093.
2. DATES OF RAMP CLOSURE SHALL BE COORDINATED WITH THE CITY OF WOOSTER TO AVOID CONFLICT WITH DOWNTOWN ROAD CLOSURES FOR VARIOUS SPECIAL EVENTS.

FOR EACH CALENDAR DAY BEYOND THE 14 DAY CLOSURE THAT THE RAMP REMAINS CLOSED TO TRAFFIC, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE FEE OF \$1000 PER DAY.

CONSTRUCTION NOTIFICATION

THE CONTRACTOR SHALL ADVISE THE PROJECT ENGINEER A MINIMUM OF FOURTEEN (14) DAYS PRIOR TO THE FOLLOWING: THE START OF CONSTRUCTION ACTIVITIES, LANE RESTRICTIONS, LANE CLOSURES, AND OR ROAD CLOSURES. THE PROJECT ENGINEER WILL FORWARD THIS INFORMATION TO THE FOLLOWING:

DISTRICT PUBLIC INFORMATION OFFICER (PIO) BY FAX AT (614) 887-4305 OR EMAIL AT D03.PIO@DOT.STATE.OH.US

DISTRICT PERMIT SECTION BY FAX AT (614) 887-4318 OR EMAIL AT LOUIS.TUMBLIN@DOT.STATE.OH.US

CENTRAL OFFICE SPECIAL HAUL PERMITS SECTION BY FAX AT (614) 728-4099 OR EMAIL AT HAULING.PERMITS@DOT.STATE.OH.US

THE PIO WILL, IN TURN, NOTIFY THE PUBLIC, THE LOCAL EMERGENCY SERVICES, AFFECTED SCHOOLS AND BUSINESSES, AND ANY OTHER IMPACTED LOCAL PUBLIC AGENCY OF ANY OF THE ABOVE MENTIONED ITEMS, VIA MEDIA SOURCES.

**ITEM 614 - MAINTAINING TRAFFIC AT
STRUCTURES WAY-30-1149 LT, WAY-30-1149 RT,
WAY-302-0088 AND WAY-302-0093
(LANES OPEN DURING HOLIDAYS OR SPECIAL EVENTS)**

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	THANKSGIVING
NEW YEARS	LABOR DAY	
MEMORIAL DAY	WAYNE COUNTY FAIR	

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 THE WEEK	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 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 FEE OF \$1000 PER DAY.

ITEM 614 - MAINTAINING TRAFFIC: GENERAL (FOR US 30)

ONE 11' LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES. ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH ITEM 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, PLAN DETAILS, STANDARD DRAWINGS, AND AS OUTLINED IN THE CONSTRUCTION AND MAINTENANCE SECTION OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES CURRENT EDITION WITH THE LATEST REVISIONS. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614 - MAINTAINING TRAFFIC UNLESS SEPARATELY ITEMIZED ON THIS PLAN.

THE FOLLOWING REQUIREMENTS SHALL ALSO APPLY:
THE CONTRACTOR SHALL SUBMIT, IN WRITING, A SCHEDULE OF OPERATIONS TO THE ENGINEER AND RECEIVE APPROVAL BEFORE WORK IS STARTED ON THE PROJECT. PRIOR TO BEGINNING WORK, THE CONTRACTOR SHALL COORDINATE THE MAINTENANCE OF TRAFFIC OPERATIONS WITH THE LOCAL STATE HIGHWAY PATROL.

NIGHT WORK IS PERMITTED.

THE CONTRACTOR IS REQUIRED TO MAINTAIN ALL PAVEMENT THROUGHOUT THE PROJECT UNDER ITEM 614 ASPHALT CONCRETE FOR MAINTAINING TRAFFIC DURING THE PERIOD FROM THE START OF WORK TO THE COMPLETION OF ALL WORK.

ITEM 614 - MAINTAINING TRAFFIC FOR STRUCTURE WAY-30-1149 LT:

TWO WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES ON EAST LINCOLN WAY EXCEPT THAT THROUGH TRAFFIC SHALL HAVE A SIGNALIZED CLOSURE AS SHOWN ON THE STRUCTURE WAY-30-1149 LT MAINTENANCE OF TRAFFIC DETAIL FOR A MAXIMUM OF 30 CONSECUTIVE CALENDAR DAYS. THE 30 CONSECUTIVE DAYS SHALL BE CONSIDERED AS AN INTERIM COMPLETION DATE (SECTION 108) AND FOR EACH CALENDAR DAY BEYOND THE 30 CALENDAR DAYS THAT THE HIGHWAY REMAINS IN A SIGNALIZED CLOSURE, THE CONTRACTOR WILL BE ASSESSED A DISINCENTIVE OF \$1,000 A DAY.

NO EQUIPMENT OR MATERIAL SHALL BE LOCATED OTHER THAN BEHIND THE BARRIER.

ACCESS TO ADJACENT PROPERTIES SHALL BE MAINTAINED AT ALL TIMES AS PER 614.02 (A).

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH CMS 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 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

ITEM 614 - MAINTAINING TRAFFIC FOR STRUCTURE WAY-585-1648:

TWO WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES ON SR 585 EXCEPT THAT THROUGH TRAFFIC SHALL HAVE A SIGNALIZED CLOSURE AS SHOWN ON THE STRUCTURE WAY-585-1648 MAINTENANCE OF TRAFFIC DETAIL FOR A MAXIMUM OF 60 CONSECUTIVE CALENDAR DAYS. THE 60 CONSECUTIVE DAYS SHALL BE CONSIDERED AS AN INTERIM COMPLETION DATE (SECTION 108) AND FOR EACH CALENDAR DAY BEYOND THE 60 CALENDAR DAYS THAT THE HIGHWAY REMAINS IN A SIGNALIZED CLOSURE, THE CONTRACTOR WILL BE ASSESSED A DISINCENTIVE OF \$1,000 A DAY.

NO EQUIPMENT OR MATERIAL SHALL BE LOCATED OTHER THAN BEHIND THE BARRIER.

ACCESS TO ADJACENT PROPERTIES SHALL BE MAINTAINED AT ALL TIMES AS PER 614.02 (A).

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH CMS 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 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

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 UNIT PRICE FOR ITEM 614 - MAINTAINING TRAFFIC.

WORK OPERATIONS

IN ADDITION TO THE REQUIREMENTS OF SECTION 614 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS THE FOLLOWING SHALL APPLY:

THE CONTRACTOR'S EQUIPMENT SHALL BE OPERATED IN THE DIRECTION OF TRAVEL WHERE PRACTICAL. A FLAGGER SHALL BE USED WHERE THE CONTRACTOR'S EQUIPMENT MUST MERGE WITH THE TRAFFIC STREAM.

THE CONTRACTOR SHALL ARRANGE CONSTRUCTION OPERATIONS SO AS TO PREVENT ANY INTERFERENCE TO THE CONTINUOUS FLOW OF TRAFFIC. ALL VEHICLES, EQUIPMENT, WORKERS AND THEIR ACTIVITIES ARE RESTRICTED AT ALL TIMES TO THE CLOSED LANES UNLESS OTHERWISE APPROVED BY THE ENGINEER.

ITEM 614 - MAINTAINING TRAFFIC LANE CLOSURE/REDUCTION REQUIRED

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 MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

ITEM 614 - MAINTAINING TRAFFIC

ALL ADVANCE WARNING SIGNS FOR ANY CONDITION WHICH RESTRICTS TRAFFIC SHALL BE ERECTED BEFORE ANY SUCH RESTRICTION IS PUT INTO EFFECT. ALL SUCH SIGNS SHALL BE COVERED OR REMOVED FROM THE VIEW OF TRAFFIC WHEN THEY ARE NOT APPLICABLE, WITH THE APPROVAL OF THE ENGINEER.

IF THE CONTRACTOR FAILS TO COMPLY WITH THE PROVISIONS FOR TRAFFIC CONTROL AS SET FORTH IN THESE PLANS OR WITH PROVISIONS OF THE OMTCD, AND SUCH FAILURE RESULTS IN A CONDITION AT THE WORK SITE WHICH IS UNSAFE FOR TRAFFIC, THE ENGINEER SHALL SUSPEND WORK UNTIL THE CONTRACTOR COMPLIES WITH THE NECESSARY REQUIREMENTS.

ALL MAINTENANCE OF TRAFFIC SIGNS ARE PAID UNDER ITEM 614 - MAINTAINING TRAFFIC.

ITEM 614 - WORK ZONE IMPACT ATTENUATOR FOR 24" WIDE HAZARDS (UNIDIRECTIONAL OR BIDIRECTIONAL):

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING A NON-GATING IMPACT ATTENUATOR. FURNISH AN IMPACT ATTENUATOR FROM THE OFFICE OF ROADWAY ENGINEERING APPROVED LIST FOR WORK ZONE IMPACT ATTENUATORS. THE APPROVED LIST IS AVAILABLE AT THE "ROADWAY STANDARDS: PROPRIETARY ROADSIDE SAFETY DEVICES" WEB PAGE ON THE OFFICE OF ROADWAY ENGINEERING WEBSITE.

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 - BARRIER REFLECTORS AND/OR OBJECT MARKERS:

BARRIER REFLECTORS AND/OR OBJECT MARKERS SHALL BE INSTALLED ON ALL PORTABLE CONCRETE BARRIER USED FOR TRAFFIC CONTROL. BARRIER REFLECTORS, OBJECT MARKERS AND THEIR INSTALLATION SHALL CONFORM TO CMS 626, EXCEPT THAT THE SPACING SHALL BE 50 FEET.

TEMPORARY TRAFFIC SIGNAL ACTIVATION FOR PARTIAL ROADWAY CLOSURE

THE CONTRACTOR SHALL NOTIFY ODOT DISTRICT 3 PUBLIC INFORMATION OFFICER (PIO) A MINIMUM TEN (10) CALENDAR DAYS ADVANCE NOTICE BEFORE ACTIVATING A TEMPORARY TRAFFIC SIGNAL TO STOP-AND-GO OPERATION FOR PARTIAL ROADWAY CLOSURE.

THE PIO CONTACT INFORMATION IS AS FOLLOWS:

CHRISTINE MYERS
PUBLIC INFORMATION OFFICER
ODOT DISTRICT 3
906 CLARK AVENUE
ASHLAND, OH 44805
PHONE 419-207-7182

ALL COSTS ASSOCIATED WITH THE ABOVE DESCRIBED WORK SHALL BE INCLUDED WITH ITEM 614 - MAINTAINING TRAFFIC.

ITEM 614 - PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN

THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND REMOVE, WHEN NO LONGER NEEDED, A CHANGEABLE MESSAGE SIGN, ON SITE, FOR THE DURATION OF THE PROJECT. THE SIGN SHALL BE OF A TYPE SHOWN ON A LIST OF APPROVED PCMS UNITS MAINTAINED BY THE DIRECTOR (OFFICE OF MATERIALS MANAGEMENT). THE APPROVED LIST OF PORTABLE CHANGEABLE MESSAGE SIGNS CAN BE FOUND ON THE ODOT WEBSITE BY CLICKING ON THE SERVICES MENU, THEN CLICKING ON MATERIALS MANAGEMENT. THE LIST CONTAINS CLASS A AND B UNITS WITH MINIMUM LEGIBILITY DISTANCES OF 650 FT. AND 475 FT., 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. PCMS TRAILERS SHALL BE DELINEATED ON A PERMANENT BASIS BY AFFIXING CONSPICUITY TAPE CONFORMING TO CMS 614.03, IN A CONTINUOUS LINE ON THE FACE OF THE TRAILER AS SEEN BY ONCOMING ROAD USERS.

THE PROBABLE PCMS LOCATIONS WILL BE DETERMINED BY THE ENGINEER PRIOR TO BEGINNING WORK ON THIS PROJECT. 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, FACING AWAY FROM ALL TRAFFIC, AND SHALL DISPLAY ONE OR MORE YELLOW RETROREFLECTIVE SHEETING SURFACES OF 9-INCH BY 15-INCH MINIMUM SIZE FACING 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 ____ 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 PREPROGRAMMED 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 PREPROGRAMMED 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 CMS 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. THE CONTRACTOR SHALL ONLY BE PAID FOR PCMS UNITS WHEN THEY ARE IN OPERATION ON THE PROJECT AS SPECIFIED IN THE PLANS OR BY THE ENGINEER.

ITEM 614 - PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN 120 DAY (01/NHS/BR)

ITEM 614 - LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS

IN ADDITION TO THE REQUIREMENTS OF CMS 614 AND THE LATEST EDITION OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD), A UNIFORMED LAW ENFORCEMENT OFFICER (AND OFFICIAL PATROL CAR WITH MOUNTED EMERGENCY FLASHING LIGHTS) SHALL BE PROVIDED FOR CONTROLLING TRAFFIC FOR THE FOLLOWING TASKS AS DIRECTED 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.

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

DURING A TRAFFIC SIGNAL INSTALLATION.

LAW ENFORCEMENT OFFICERS (LEO'S) SHOULD NOT BE USED WHERE THE OMUTCD INTENDS THAT FLAGGERS BE USED. THE LEO'S ARE CONSIDERED TO BE EMPLOYED BY THE CONTRACTOR AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR ACTIONS. ALTHOUGH THEY ARE EMPLOYED BY THE CONTRACTOR, THE PROJECT ENGINEER SHALL HAVE CONTROL OVER THEIR PLACEMENT. THE OFFICIAL PATROL CAR SHALL BE A PUBLIC SAFETY VEHICLE AS REQUIRED BY THE OHIO REVISED CODE. 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.

LEO'S 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 CONTRACTOR SHALL MAKE ARRANGEMENTS FOR THESE SERVICES AND PROVIDE 72 HOURS ADVANCE NOTICE AS REQUIRED BY THE HIGHWAY PATROL LISTED BELOW:

STATE HIGHWAY PATROL
1786 DOVER ROAD
WOOSTER, OH 44691
330-264-0575

LAW ENFORCEMENT OFFICERS 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 QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 614 - LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE
120 HOURS (01/NHS/BR)
20 HOURS (02/STR/BR)
40 HOURS (03/BRO/BR)

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

IF THE CONTRACTOR WISHES TO UTILIZE LEO'S FOR FLAGGING AND TRAFFIC CONTROL OTHER THAN FOR THAT REQUIRED IN THESE PLANS, THEY MAY DO SO AT THEIR OWN EXPENSE.

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 25 EACH (01/NHS/BR) HAS BEEN PROVIDED IN THE GENERAL SUMMARY.

ITEM 614 - WORKSITE TRAFFIC SUPERVISOR

SUBJECT TO APPROVAL OF THE ENGINEER, THE CONTRACTOR SHALL EMPLOY AND IDENTIFY (SOMEONE OTHER THAN THE SUPERINTENDENT) A CERTIFIED WORKSITE TRAFFIC SUPERVISOR (WTS) BEFORE STARTING WORK IN THE FIELD. THE WTS MAY BE CERTIFIED FROM ONE OF THE FOLLOWING ORGANIZATIONS:

1. AMERICAN TRAFFIC SAFETY SERVICE ASSOCIATION (ATSSA), PHONE NUMBER 1-800-272-8772, CERTIFIED TRAFFIC CONTROL SUPERVISOR (TCS).
2. NATIONAL HIGHWAY INSTITUTE, DESIGN AND OPERATION OF WORK ZONE TRAFFIC CONTROL, PHONE NUMBER 1-703- 235-0528.
3. THE OHIO CONTRACTORS ASSOCIATION, TRAFFIC CONTROL SUPERVISOR (OCA/TCS) WORK ZONE CLASS, ONLY IF TAKEN AFTER MAY 5, 2004, PHONE NUMBER 1-614-599-7915.
4. OHIO LABORERS TRAINING, TRAFFIC CONTROL SUPERVISORS CLASS, PHONE NUMBER 1-740-599-7915.

A COPY OF EACH WTS'S CERTIFICATION AND 24-HOUR CONTACT INFORMATION SHALL BE PROVIDED TO THE ENGINEER AT THE PRECONSTRUCTION CONFERENCE. IF THE DESIGNATED WTS WILL NOT BE AVAILABLE FULL TIME (24/7) THE CONTRACTOR MAY DESIGNATE AN ALTERNATE WTS TO BE AVAILABLE WHEN THE PRIMARY IS OFF DUTY. EACH WTS SHALL HAVE A CURRENT WTS CERTIFICATION (WITH AN EXPIRATION DATE NO MORE THAN 5 YEARS FROM THE DATE OF ISSUE) FROM ANY OF THE APPROVED ORGANIZATIONS.

THE WTS POSITION HAS THE RESPONSIBILITY OF MONITORING TRAFFIC CONTROL DEFICIENCIES FOR THE ENTIRE WORK ZONE. THE DUTIES OF THE WTS ARE AS FOLLOWS:

1. BE AVAILABLE ON A 24-HOUR PER DAY BASIS, AND BE ABLE TO BE ON SITE FOR ALL EMERGENCY TRAFFIC CONTROL NEEDS WITHIN ONE HOUR OF NOTIFICATION BY POLICE OR PROJECT STAFF AND BE PREPARED TO EFFECT CORRECTIVE MEASURES IMMEDIATELY ON EXISTING WORK ZONE TRAFFIC CONTROL DEVICES.
 2. ATTEND PRECONSTRUCTION MEETING AND ALL PROJECT MEETINGS WHERE TRAFFIC CONTROL MANAGEMENT IS DISCUSSED.
 3. BE AVAILABLE FOR MEETINGS OR DISCUSSIONS WITH THE ENGINEER UPON REQUEST OR WITHIN 36 HOURS.
 4. BE AWARE OF, AND COORDINATE IF NECESSARY, ALL TRAFFIC CONTROL OPERATIONS, INCLUDING THOSE OF SUBCONTRACTORS AND SUPPLIERS.
 5. COORDINATE PROJECT ACTIVITIES WITH ALL LAW ENFORCEMENT OFFICERS (LEOS). A WTS SHALL ALSO BE THE MAIN CONTACT PERSON WITH THE LEO'S WHILE THEY ARE ON THE PROJECT.
 6. COORDINATE MEETINGS WITH ODOT PERSONNEL, LEO'S AND OTHER APPLICABLE ENTITIES BEFORE EACH PLAN PHASE SWITCH TO DISCUSS WORK ZONE TRAFFIC CONTROL.
 7. ENSURE COMPLIANCE WITH THE CONTRACT DOCUMENTS FOR SIGNS, BARRICADES, TEMPORARY CONCRETE BARRIER, PAVEMENT MARKINGS, PORTABLE MESSAGE SIGNS, AND OTHER TRAFFIC CONTROL DEVICES ON A DAILY BASIS; AND FACILITATE ANY CORRECTIVE ACTION NECESSARY.
 8. NOTIFY THE CONTRACTOR OF THE NEED FOR CLEANING AND MAINTENANCE OF ALL TRAFFIC CONTROL DEVICES, INCLUDING THE COVERING AND REMOVAL OF INAPPLICABLE SIGNS.
 9. INSPECT, EVALUATE, PROPOSE NECESSARY MODIFICATIONS TO, AND DOCUMENT THE EFFECTIVENESS OF, THE TRAFFIC CONTROL DEVICES AND/OR TRAFFIC OPERATIONS ON A DAILY BASIS (7 DAYS A WEEK). IN ADDITION, A WEEKLY NIGHT INSPECTION OF THE WORK ZONE SETUP FOR DAYTIME WORK OPERATIONS; AND ONE DAYTIME INSPECTION PER WEEK FOR NIGHTTIME PROJECTS. THIS SHALL INCLUDE (BUT NOT BE LIMITED TO) DOCUMENTATION ON THE FOLLOWING PROJECT EVENTS:
 - A. INITIAL TRAFFIC CONTROL SETUP (DAY AND NIGHT REVIEW).
 - B. DAILY TRAFFIC CONTROL SETUP AND REMOVAL.
 - C. WHEN CONSTRUCTION STAGING CAUSES A CHANGE IN THE TRAFFIC CONTROL SETUP.
 - D. CRASH OCCURRENCES WITHIN THE CONSTRUCTION AREA.
 - E. REMOVAL OF TRAFFIC CONTROL DEVICES AT THE END OF A PHASE OR PROJECT.
 - F. ALL OTHER EMERGENCY TRAFFIC CONTROL NEEDS.
 10. COMPLETE THE DEPARTMENT APPROVED LONG TERM INSPECTION FORM (CA-D-8) AFTER EACH INSPECTION AS REQUIRED IN # 9 AND SUBMIT IT TO THE ENGINEER THE FOLLOWING WORK DAY. THESE REPORTS SHALL INCLUDE A CHECKLIST OF ALL TRAFFIC CONTROL MAINTENANCE ITEMS TO BE REVIEWED. A COPY OF THE FORM WILL BE PROVIDED AT THE PRE-CONSTRUCTION MEETING. ANY DEFICIENCIES OBSERVED SHALL BE NOTED, ALONG WITH RECOMMENDED CORRECTIVE ACTIONS AND THE DATES BY WHICH SUCH CORRECTIONS WERE, OR WILL BE, COMPLETED. A COPY OF THIS DOCUMENT CAN BE FOUND IN THE DEPARTMENT OF TRANSPORTATION CONSTRUCTION INSPECTION FORMS MANUAL DATED 10/15/06 OR CURRENT REVISION.
 11. VERIFY THAT ALL FLAGGING OPERATIONS ARE BEING CONDUCTED PER THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
 12. HAVE COPIES OF THE ODOT TEMPORARY TRAFFIC CONTROL MANUAL AND APPLICABLE STANDARDS AND SPECIFICATIONS INCLUDED IN THE CONTRACT DOCUMENTS AVAILABLE AT ALL TIMES ON THE PROJECT.
- THE DEPARTMENT WILL NOT PAY THE UNIT PRICE BID FOR THE WTS FOR ANY DAY ON WHICH THE CONTRACTOR FAILS TO PERFORM THE DUTIES SET FORTH ABOVE. SHOULD THE CONTRACTOR'S FAILURE TO PERFORM ANY OF THE DUTIES DESCRIBED ABOVE RESULT IN A MAINTENANCE OF TRAFFIC SAFETY ISSUE, THE DEPARTMENT WILL DEDUCT THE PRORATED DAILY AMOUNT FOR ITEM 614 MAINTENANCE OF TRAFFIC FROM THE CONTRACTOR'S NEXT SCHEDULED ESTIMATE.
- IF THREE OR MORE FAILURES TO PERFORM THE DUTIES SET FORTH ABOVE OCCUR, THE WTS SHALL BE IMMEDIATELY REMOVED FROM THE WORK IN ACCORDANCE WITH C&MS 108.05.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN INCLUDED FOR THE WORKSITE TRAFFIC SUPERVISOR:

ITEM 614 - WORKSITE TRAFFIC SUPERVISOR 3 MONTHS (01/NHS/BR)

MAINTENANCE OF LOCAL DETOUR ROUTE

A LOCAL DETOUR ROUTE, OTHER THAN THE OFFICIAL SIGNED ODOT DETOUR ROUTE, WILL BE SELECTED BY AGREEMENT BETWEEN ODOT AND LOCAL GOVERNMENTAL AGENCIES PRIOR TO THE HIGHWAY CLOSURE.

DURING THE TIME THAT TRAFFIC IS DETOURED, THE CONTRACTOR SHALL MAINTAIN THIS ROUTE IN A CONDITION WHICH IS REASONABLY SMOOTH AND FREE FROM HOLES, RUTS, RIDGES, BUMPS, DUST AND STANDING WATER. ONCE THE DETOUR IS REMOVED AND TRAFFIC RETURNED TO ITS NORMAL PATTERN, THE DESIGNATED LOCAL DETOUR ROUTE SHALL BE RESTORED TO A CONDITION THAT IS EQUIVALENT TO THAT WHICH EXISTED PRIOR TO ITS USE FOR THIS PURPOSE. ALL SUCH WORK SHALL BE PERFORMED WHEN AND AS DIRECTED BY THE ENGINEER. THE DESIGNATED LOCAL DETOUR ROUTE IS TO BE REVIEWED AND REPAIRED PRIOR TO THE ASPHALT CONTRACTOR OR SUBCONTRACTOR LEAVING THE PROJECT.

PAYMENT FOR THE WORK NECESSARY TO REPAIR THESE LOCAL ROADS WILL BE PERFORMED BY CHANGE ORDER.

DETOUR FOR CLOSURE OF US 30 WB ON RAMP

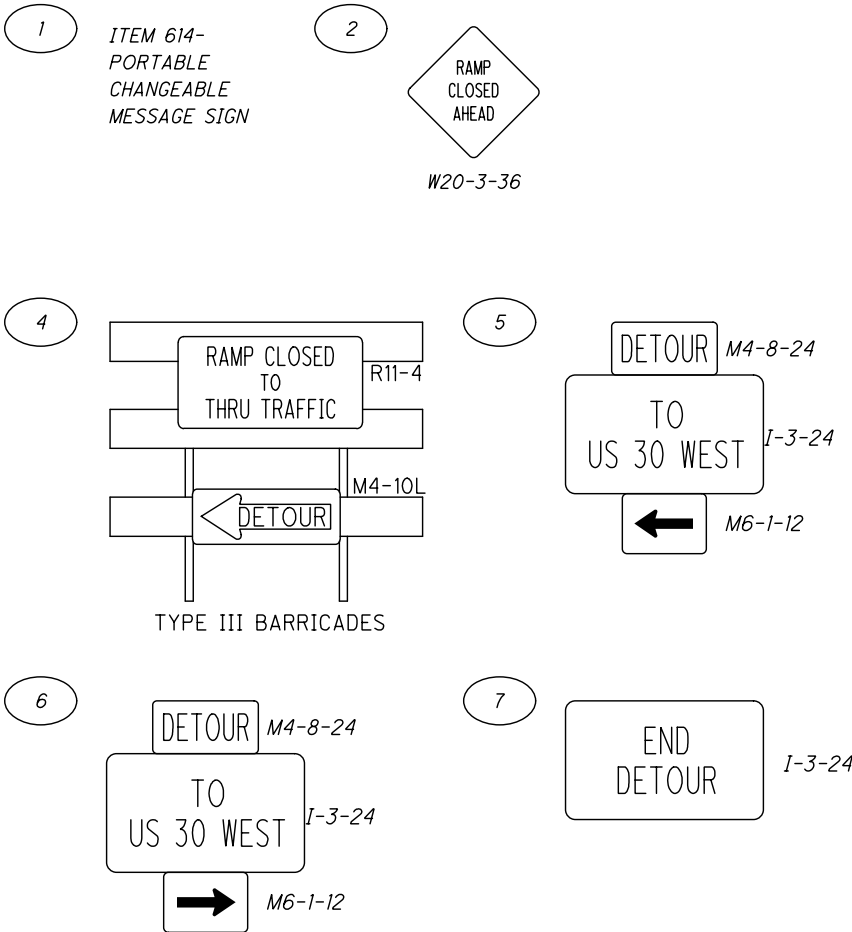
THE FOLLOWING IS THE DETOUR PERTAINING TO THE RAMP CONNECTING S.R. 302 ON TO U.S. 30 WEST.

DETOUR SIGNING

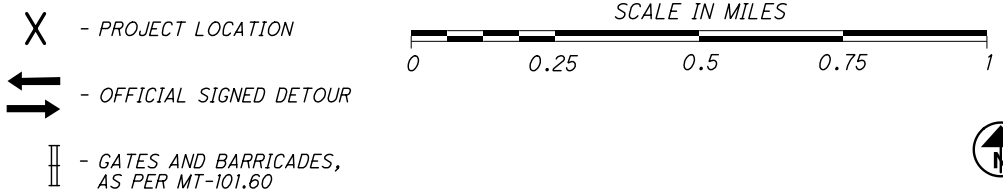
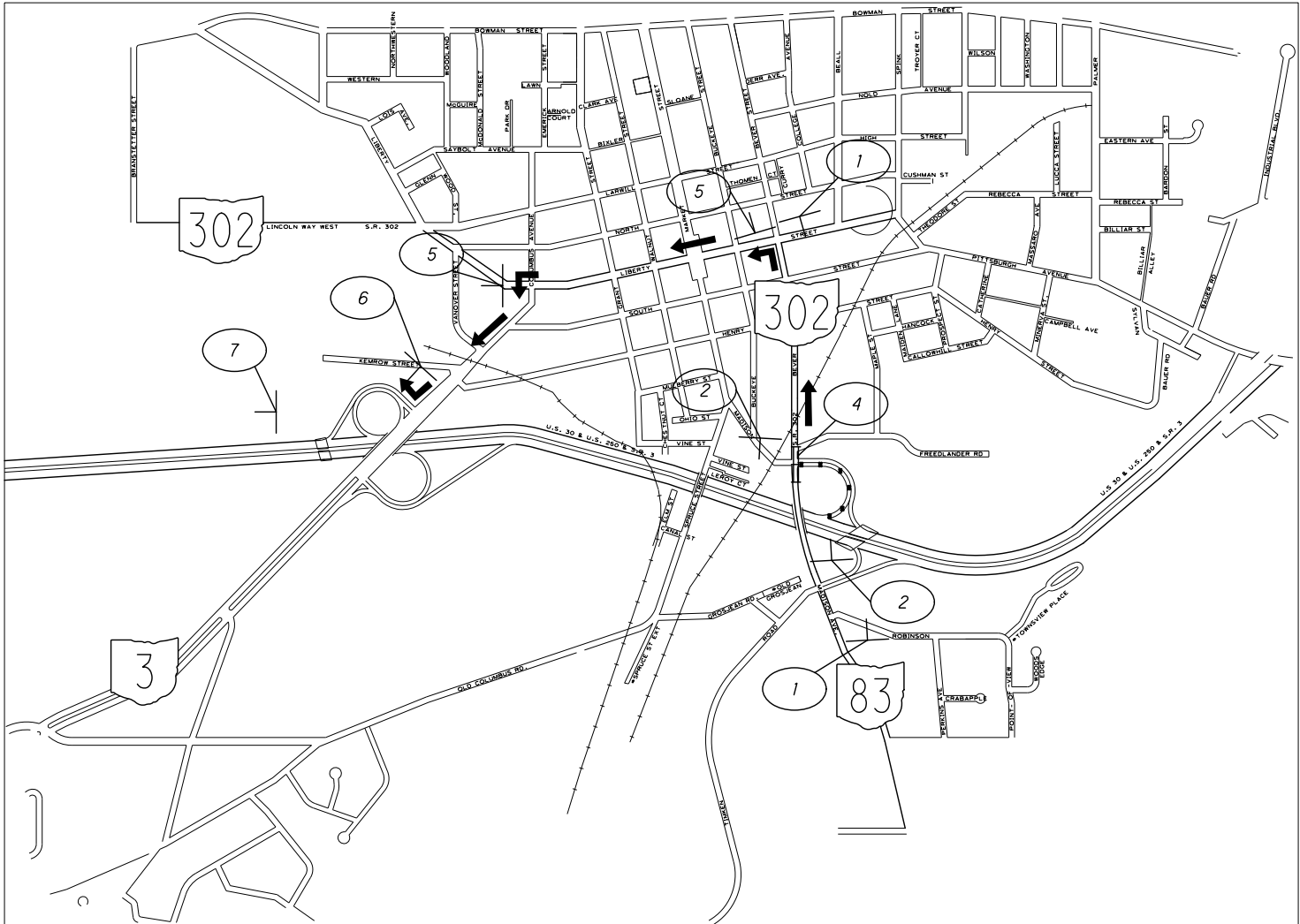
THE FOLLOWING QUANTITY IS INCLUDED FOR THE CONTRACTOR TO PROVIDE THE DETOUR SIGNING AS SHOWN AS PER 614.06 (B):

ITEM 614 - DETOUR SIGNING LUMP (01/NHS/BR)

SIGN LEGEND



US 30 WESTBOUND ON RAMP FROM SR 302



SHEET NUMBER											PARTICIPATION			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.	CALCULATED	MKP	CHECKED	KRB
6	7	8	11	12	15	19	22	24	30	33	01/NHS/B R	02/STR/B R	03/BRO/B R										
																		STRUCTURE 20 FOOT SPAN AND OVER (WAY-30-1149 LEFT)					
				465							465			202	11401	465	LB	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN	3				
				7.41							7.41			512	10100	7.41	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)					
				80							80			512	10600	80	FT	CONCRETE REPAIR BY EPOXY INJECTION					
				842							842			513	10201	842	LB	STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN	3				
				465							465			513	10240	465	LB	STRUCTURAL STEEL MEMBERS, LEVEL 2					
				290							290			514	00050	290	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL					
				290							290			514	00056	290	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT					
				290							290			514	00060	290	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT					
				290							290			514	00066	290	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT					
				2							2			514	10000	2	EACH	FINAL INSPECTION REPAIR					
				LUMP							LUMP			849	10000	LS		DAMAGE ASSESSMENT					
				LUMP							LUMP			849	10500	LS		SURFACE PREPARATION					
				8							8			849	10600	8	HOOR	REPAIRING DAMAGED MEMBERS BY GRINDING					
				LUMP							LUMP			849	10700	LS		STRAIGHTENING DAMAGED MEMBERS					
																		STRUCTURE 20 FOOT SPAN AND OVER (WAY-30-1147 RIGHT)					
					990						990			512	10100	990	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)					
				460							460			512	74000	460	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES					
				10409							10409			514	00050	10409	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL					
				10409							10409			514	00056	10409	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT					
				10409							10409			514	00060	10409	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT					
				10409							10409			514	00066	10409	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT					
					17						17			514	00504	17	MNHR	GRINDING FINS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL					
					10						10			514	10000	10	EACH	FINAL INSPECTION REPAIR					
					23						23			SPECIAL	51910000	23	SY	PATCHING CONCRETE BRIDGE DECK OVERLAY WITH MICRO- SILICA MODIFIED CONCRETE	3				
																		STRUCTURE 20 FOOT SPAN AND OVER (WAY-94-1830)					
						280						280		512	10100	280	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)					
						130						130		512	74000	130	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES					
						8775						8775		514	00050	8775	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL					
						8775						8775		514	00056	8775	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT					
						8775						8775		514	00060	8775	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT					
						8775						8775		514	00066	8775	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT					
						17						17		514	00504	17	MNHR	GRINDING FINS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL					
						11						11		514	10000	11	EACH	FINAL INSPECTION REPAIR					
																		STRUCTURE 20 FOOT SPAN AND OVER (WAY-172-0025)					
							21220					21220		514	00050	21220	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL					
							21220					21220		514	00056	21220	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT					
							21220					21220		514	00060	21220	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT					
							21220					21220		514	00066	21220	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT					
							23					23		514	00504	23	MNHR	GRINDING FINS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL					
							18					18		514	10000	18	EACH	FINAL INSPECTION REPAIR					
							12					12		518	12801	12	EACH	SCUPPER MODIFICATION, AS PER PLAN	3				
							12					12		518	12901	12	EACH	SCUPPER, LENGTHENING, AS PER PLAN	3				
																		STRUCTURE 20 FOOT SPAN AND OVER (WAY-302-0088)					
								510				510		512	10100	510	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)					
								310				310		512	10300	310	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN					
								163				163		513	10201	163	LB	STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN					
								18956				18956		514	00050	18956	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL					
								18956				18956		514	00056	18956	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT					
								18956				18956		514	00060	18956	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT					
								18956				18956		514	00066	18956	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT					
								30				30		514	00504	30	MNHR	GRINDING FINS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL					
								19				19		514	10000	19	EACH	FINAL INSPECTION REPAIR					

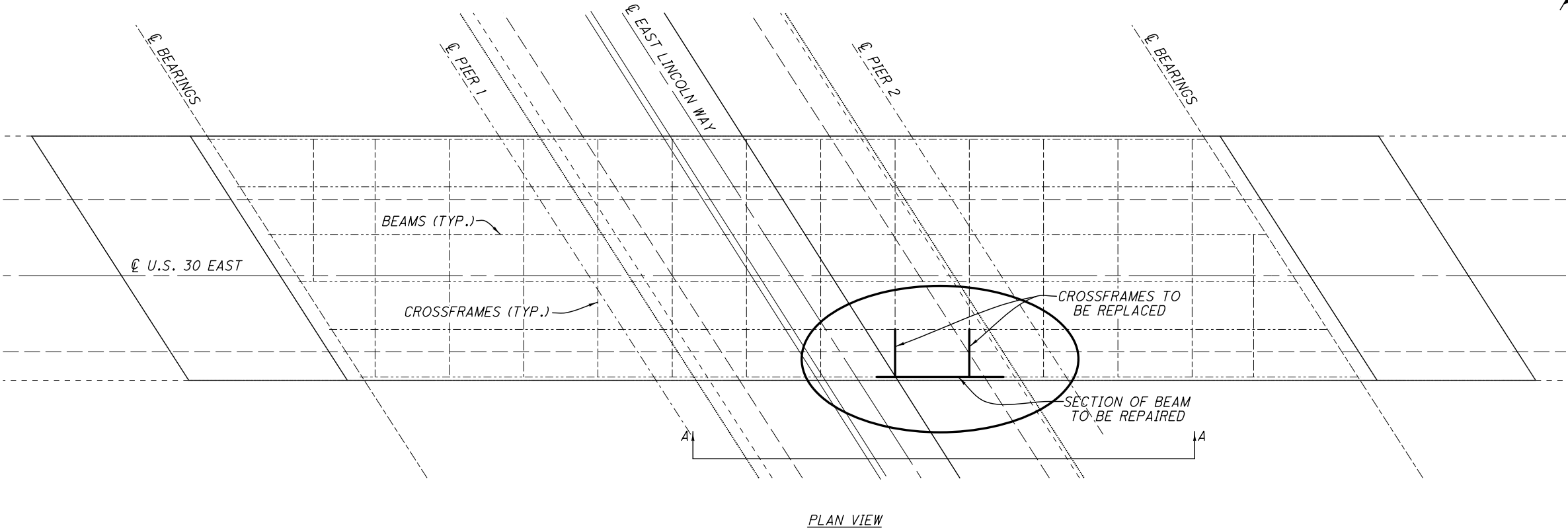
GENERAL SUMMARY

WAY - BH - FY 2015

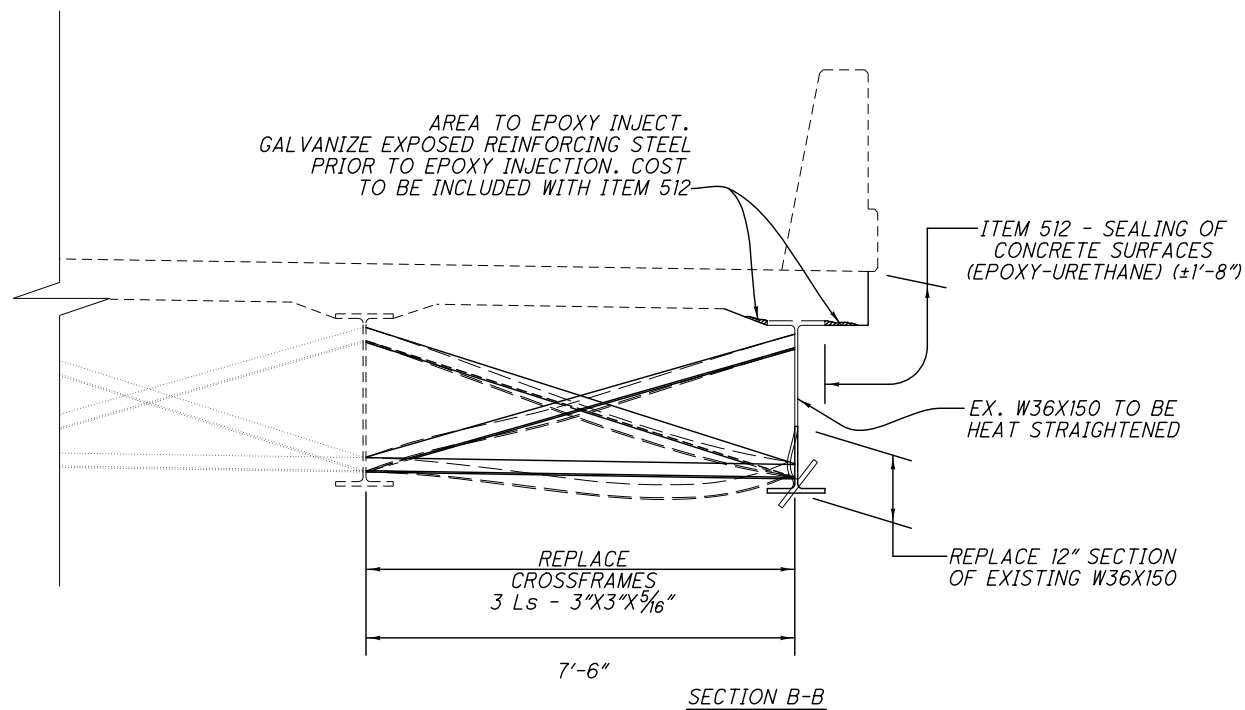
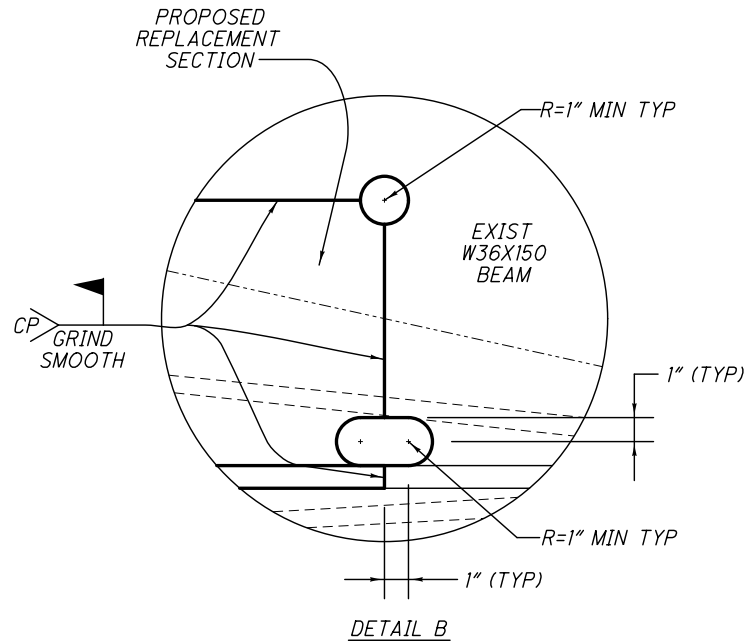
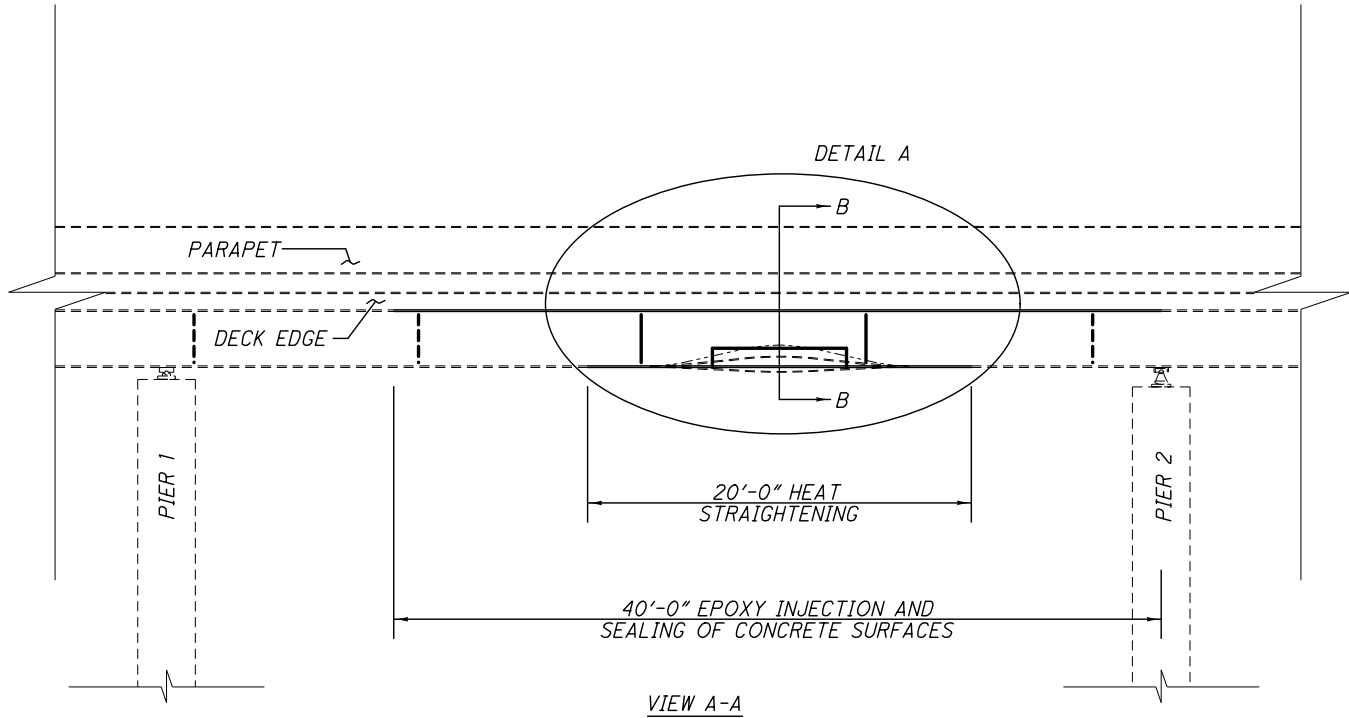
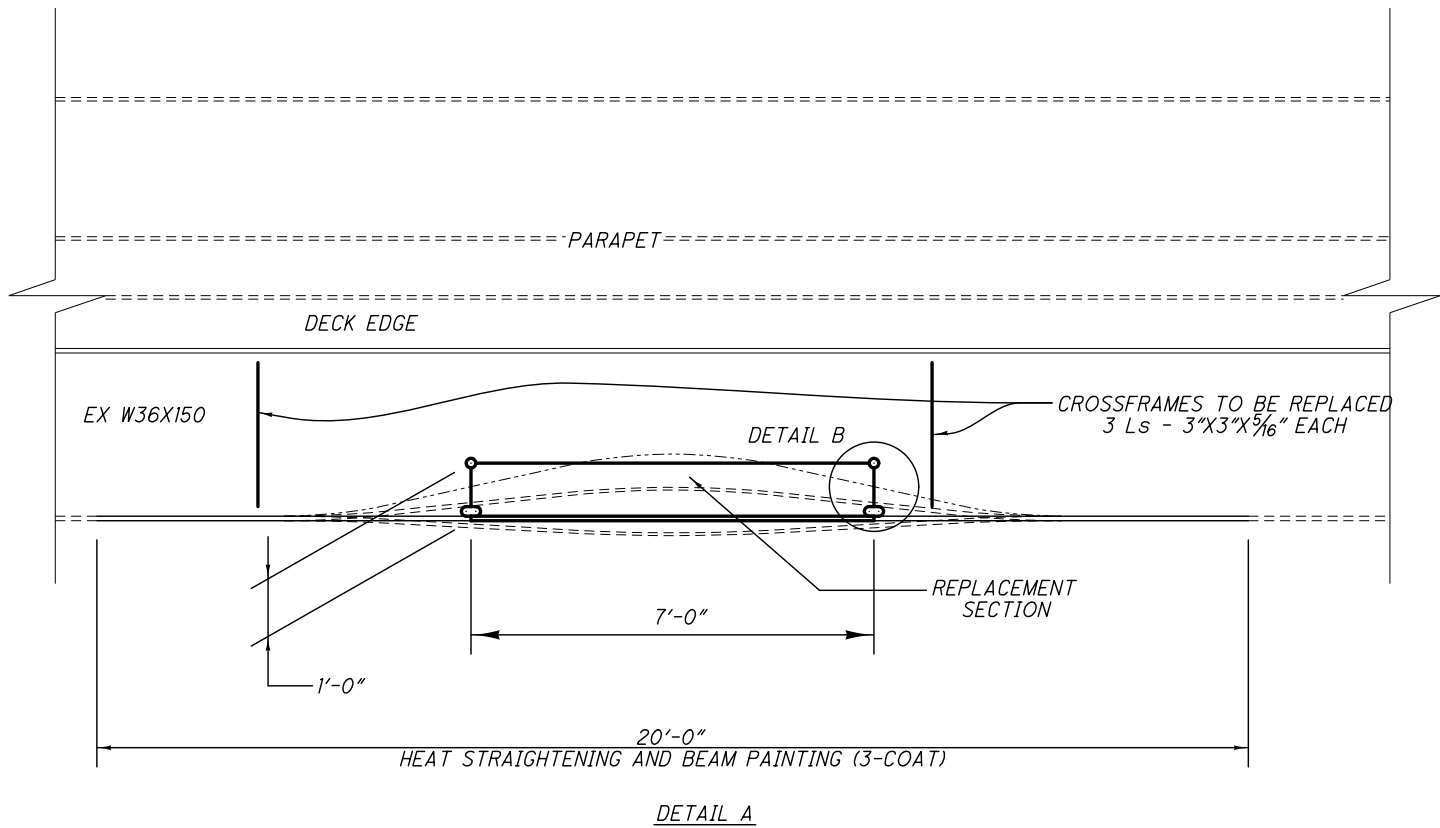
MOT SUB-SUMMARY

ITEM	QUANTITY	UNIT	DESCRIPTION
202	465	POUND	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN (MAIN MEMBER)
512	7.41	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)
512	80	FT	CONCRETE REPAIR BY EPOXY INJECTION
513	842	POUND	STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN
513	465	POUND	STRUCTURAL STEEL MEMBERS, LEVEL 2
514	290	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL
514	290	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT
514	290	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT
514	290	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT
514	2	EACH	FINAL INSPECTION REPAIR
849	LUMP		DAMAGE ASSESMENT
849	LUMP		SURFACE PREPARATION
849	8	HOOR	REPAIRING DAMAGED MEMBERS BY GRINDING
849	LUMP		STRAIGHTENING DAMAGED MEMBERS

ALL QUANTITIES CARRIED TO GENERAL SUMMARY



DESIGN FILE: \\projects\83453\structures\WAY-30-11.47 (LEFT) SFN 8500541\WAY-30-1147_8500541.dgn
WORKSTATION: foster DATE: 9/15/2014 MODELNAME: Design



WAY - BH - FY2015 PID No. 83453	STRUCTURE DETAILS WAY-30-1149 (LEFT) STRUCTURE OVER EAST LINCOLN WAY		DESIGN AGENCY ODOT DISTRICT THREE OFFICE OF PLANNING AND ENGINEERING
	2 / 3	13 / 36	
REVIEWED DATE 9/14		DRAWN KCK	DESIGNED KCK
STRUCTURE FILE NUMBER 8500541		REVISED ---	CHECKED KRB

DESIGN FILE: \\projects\83453\structures\WAY-30-11.47 (LEFT) SFN 8500541\WAY-30-1147_8500541.dgn
WORKSTATION: fofster DATE: 9/15/2014 MODELNAME: Design

ITEM	QUANTITY	UNIT	DESCRIPTION
614	2	EACH	WORK ZONE IMPACT ATTENUATOR (UNIDIRECTIONAL)
614	10	EACH	BARRIER RELECTOR, TYPE B2
614	4	EACH	OBJECT MARKER, ONE WAY
614	8	EACH	OBJECT MARKER, TWO WAY
614	0.21	MILE	WORK ZONE EDGE LINE, CLASS I, 740.06, TYPE I
614	0.11	MILE	WORK ZONE CENTER LINE, CLASS I, 740.06, TYPE I
614	225	FT	WORK ZONE DOTTED LINE, CLASS I, 740.06, TYPE I
614	22	FT	WORK ZONE STOP LINE, CLASS I, 740.06, TYPE I
622	330	FT	PORTABLE BARRIER, 32"
622	170	FT	PORTABLE BARRIER, 32", (UNANCHORED)

ALL QUANTITIES CARRIED TO THE MOT SUB-SUMMARY

LEGEND	
WORK AREA	
DRUMS/CONES	
REMOVE EXISTING MARKINGS	
DIRECTION OF TRAVEL	
CRASH ATTENUATOR	
TYPE 3 BARRICADE	
PORTABLE BARRIER	

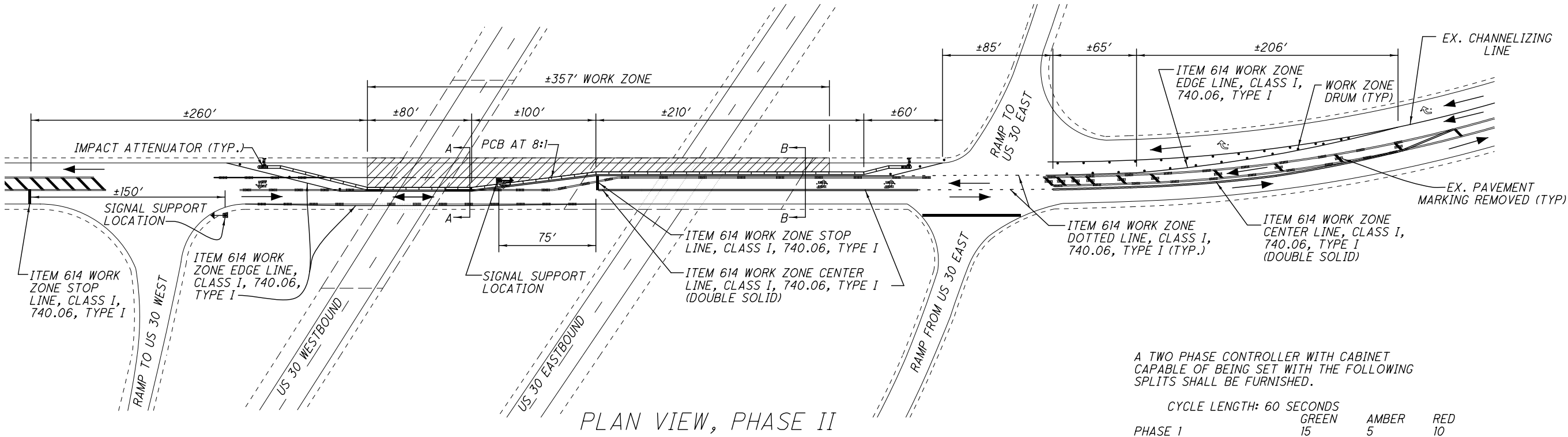
NOTES:
FOR DETAILS, DIMENSIONS, AND SIGNAGE NOT SHOWN,
REFERENCE SCD MT-96.11 AND MT-96.20.

PCB TAPER RATE IS 4:1 UNLESS OTHERWISE SHOWN.

EXISTING PAVEMENT MARKINGS SHALL BE REMOVED OR COVERED USING A METHOD ACCEPTABLE TO THE ENGINEER. THIS MAY INCLUDE COVERING WITH ITEM 614 WORK ZONE PAVEMENT MARKING, CLASS I, 740.06, TYPE I (BLACK), OR GRINDING THE EXISTING MARKINGS. THE EXISTING MARKINGS SHALL BE REPLACED OR UNCOVERED AFTER THE WORK ZONE IS NO LONGER NEEDED.

PHASE II SHOWN. PHASE I SHOWN SEPARATELY ON SHEET 17 (MOT DETAILS FOR WAY-30-11.47 (RIGHT)).

ALL WORK ON WAY-30-11.49 (LEFT) AND ALL WORK ABLE TO BE PERFORMED ON WAY-30-11.47 (RIGHT) IN PHASE II SHALL BE COMPLETED CONCURRENTLY SUCH THAT PHASE II NEED ONLY BE ERECTED ONCE AND IMPACT TO TRAFFIC BE MINIMIZED.



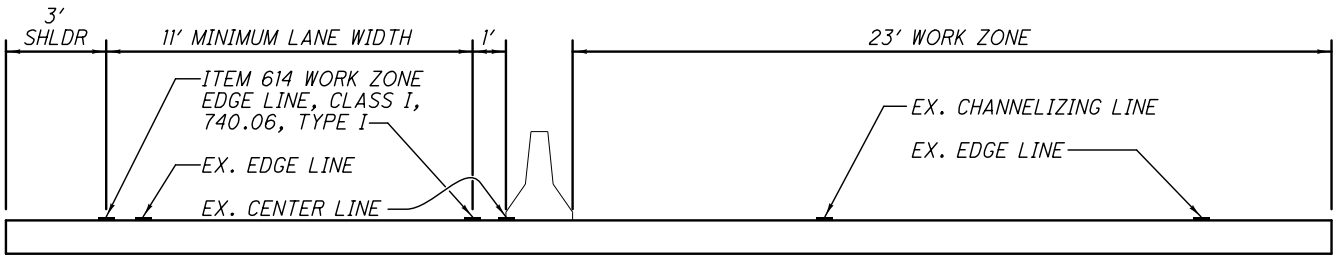
PLAN VIEW, PHASE II

A TWO PHASE CONTROLLER WITH CABINET CAPABLE OF BEING SET WITH THE FOLLOWING SPLITS SHALL BE FURNISHED.

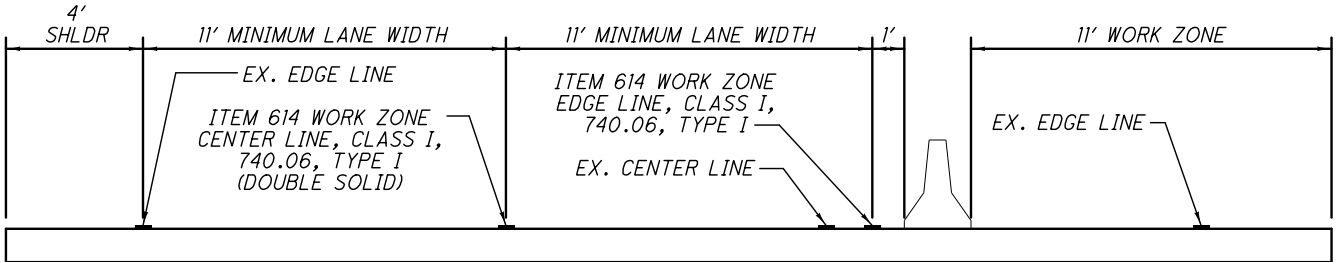
CYCLE LENGTH: 60 SECONDS

	GREEN	AMBER	RED
PHASE 1	15	5	10
PHASE 2	15	5	10

THE ABOVE TIMING MAY BE ALTERED TO THE DISCRETION AND APPROVAL OF THE ENGINEER.



SECTION A-A



SECTION B-B

DESIGN AGENCY
ODOT DISTRICT THREE OFFICE
OF PLANNING AND ENGINEERING

REVIEWED
DATE
9/14
DJV
STRUCTURE FILE NUMBER
8500541

DRAWN
KCK
KCK
REVISED

DESIGNED
KCK
KCK
CHECKED
KRB

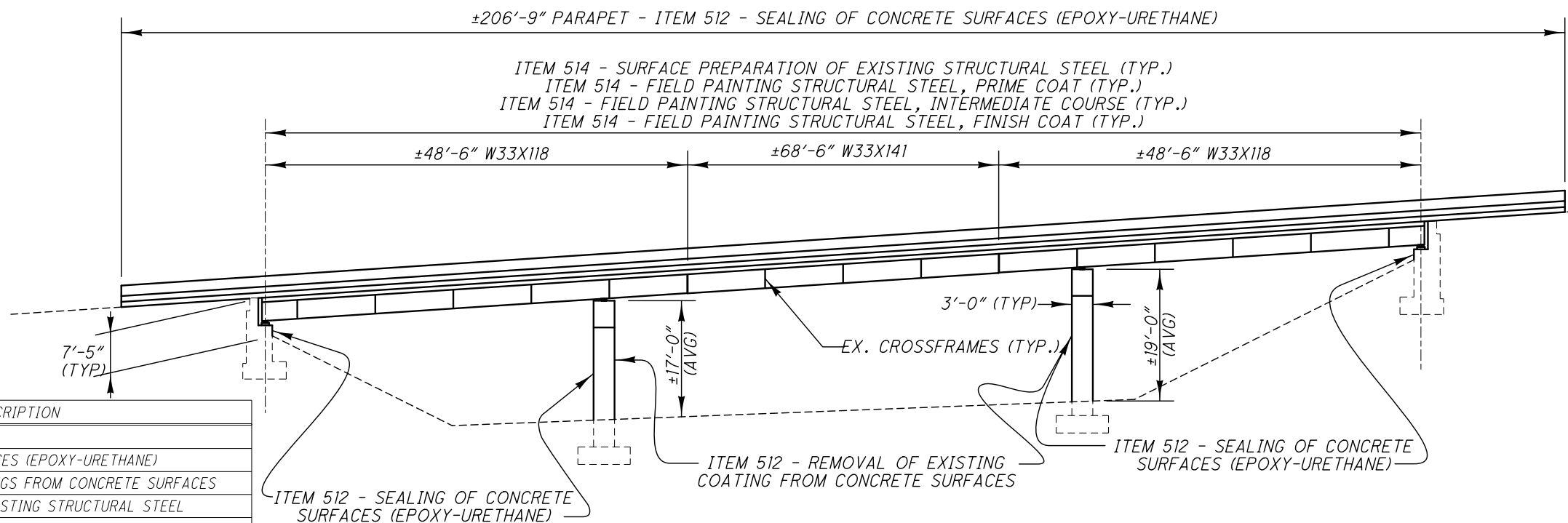
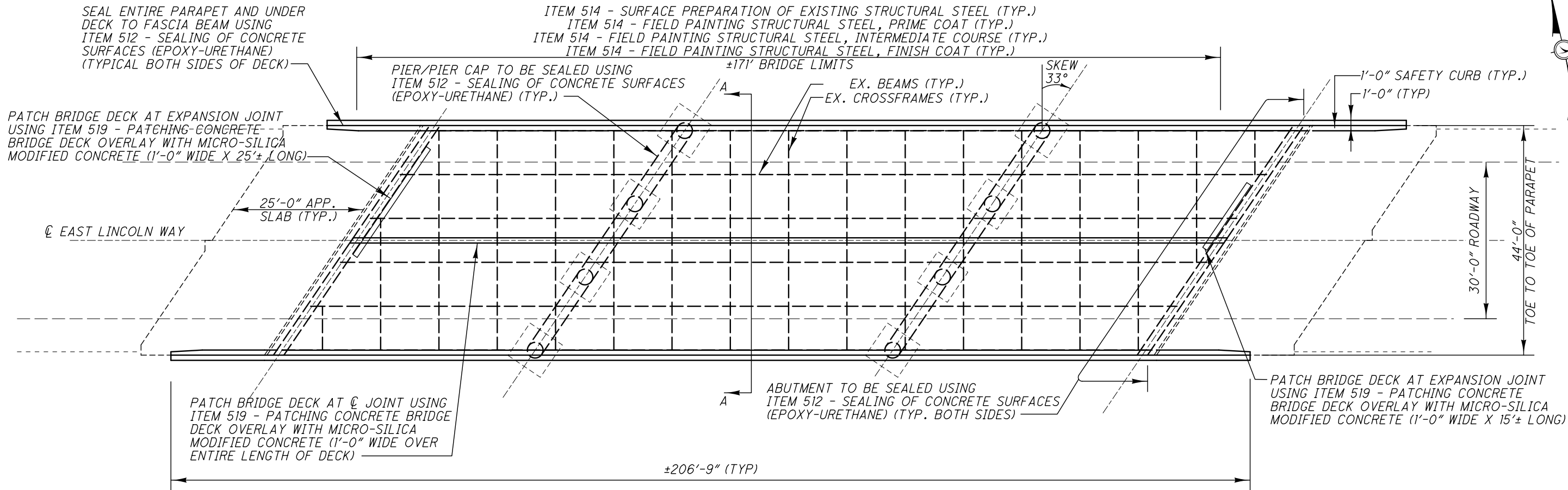
STRUCTURE DETAILS
WAY-30-1149 (LEFT)
STRUCTURE OVER EAST LINCOLN WAY

WAY-BH-FY2015
PID No. 83453

3/3

14/36

DESIGN FILE: \\projects\83453\structures\WAY-30-11.47 (RIGHT) SFN 8502048\WAY-30-11.47 (RIGHT).dgn
WORKSTATION: salay DATE: 10/9/2014 MODELNAME: Design



ITEM	QUANTITY	UNIT	DESCRIPTION
512	990	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)
512	460	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES
514	10409	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL
514	10409	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT
514	10409	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT
514	10409	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT
514	17	MNHR	GRINDING FINS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL
514	10	EACH	FINAL INSPECTION REPAIR
519	23	SY	SPECIAL - PATCHING CONCRETE BRIDGE DECK OVERLAY WITH MICRO-SILICA MODIFIED CONCRETE

ALL QUANTITIES CARRIED TO THE GENERAL SUMMARY

DESIGN AGENCY
ODOT DISTRICT THREE OFFICE
OF PLANNING AND ENGINEERING

DESIGNED	DRAWN	REVIEWED	DATE
KCK	KCK	DJV	9/14
CHECKED	REVISED	STRUCTURE FILE NUMBER	
KRB	CAG	8502048	

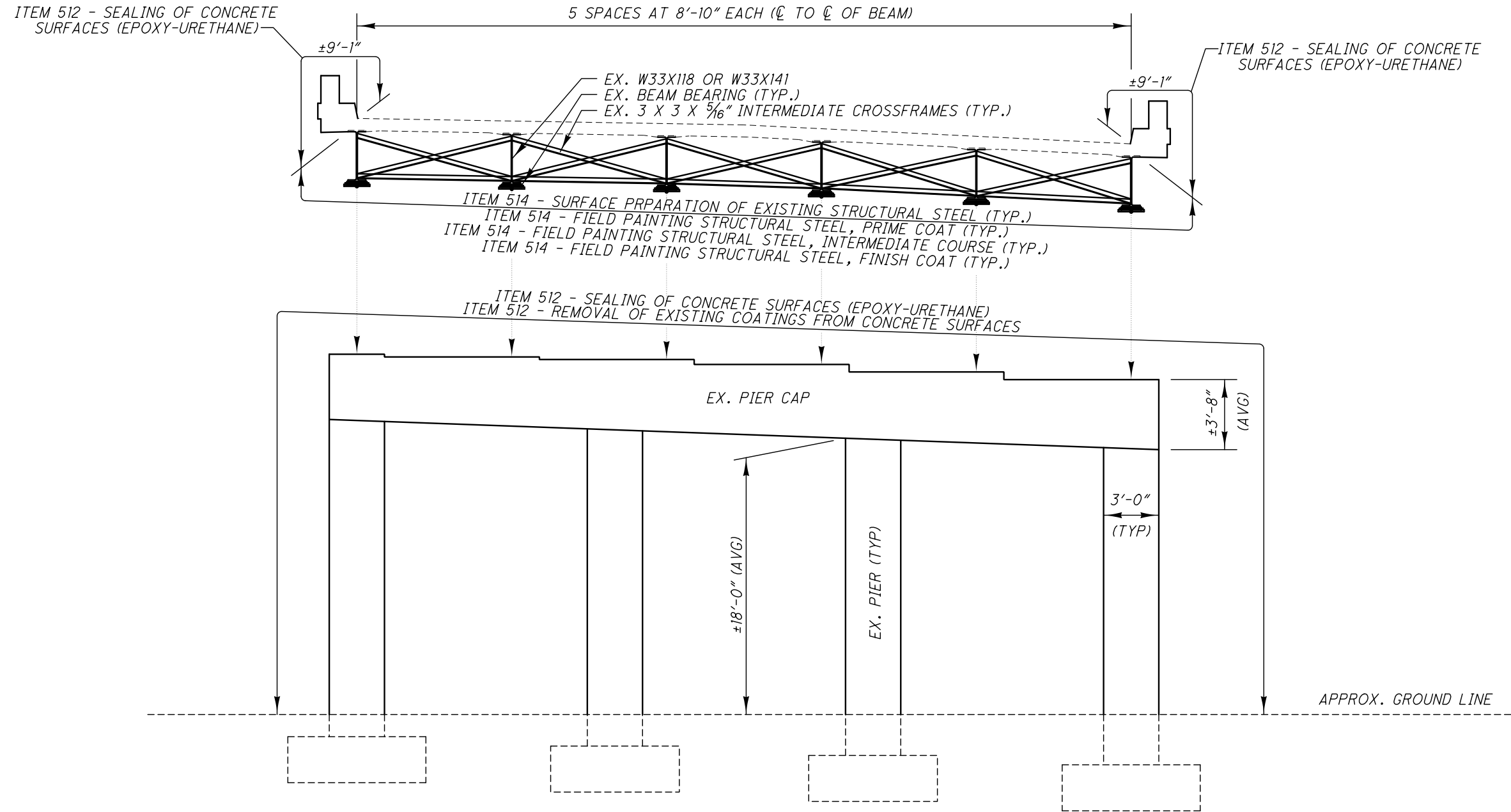
STRUCTURE DETAIL SHEET
WAY-30-11.47 (RIGHT)
STRUCTURE OVER US ROUTE 30

WAY - BH - FY2015
PID No. 83453

1 / 4

15
36

DESIGN FILE: \\projects\83453\structures\WAY-30-11.47 (RIGHT) SFN 8502048\WAY-30-11.47 (RIGHT).dgn
WORKSTATION: foster DATE: 9/15/2014 MODELNAME: Design



SECTION A-A

ITEM	QUANTITY	UNIT	DESCRIPTION
512	990	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)
512	460	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES
514	10409	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL
514	10409	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT
514	10409	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT
514	10409	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT
514	17	MNHR	GRINDING FINS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL
514	10	EACH	FINAL INSPECTION REPAIR

ALL QUANTITIES CARRIED TO THE STRUCTURE SHEET 1/3

NOTES:

ITEM 512 - SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)
SEAL ALL EXPOSED SUBSTRUCTURE CONCRETE TO INCLUDE ABUTMENTS, WINGWALLS, PIERS, PIER CAPS, AND ANY OTHER AREA AS DEEMED NECESSARY BY THE ENGINEER.

SEAL BOTH PARAPETS TO INCLUDE FRONT, TOP, AND BACK ALONG WITH THE DECK EDGE, AND UNDERSIDE OF THE DECK TO THE FLANGE OF THE FASCIA BEAM (COMPLETE ON BOTH SIDES OF STRUCTURE).

ITEM 514 - SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL
ITEM 514 - FIELD PAINTING STRUCTURAL STEEL, THREE COAT
PREPARE AND PAINT ALL EXPOSED STRUCTURAL STEEL TO INCLUDE STEEL BEAMS, CROSSFRAMES, BEAM BEARINGS, AND ANY OTHER AREA AS DEEMED NECESSARY BY THE ENGINEER.

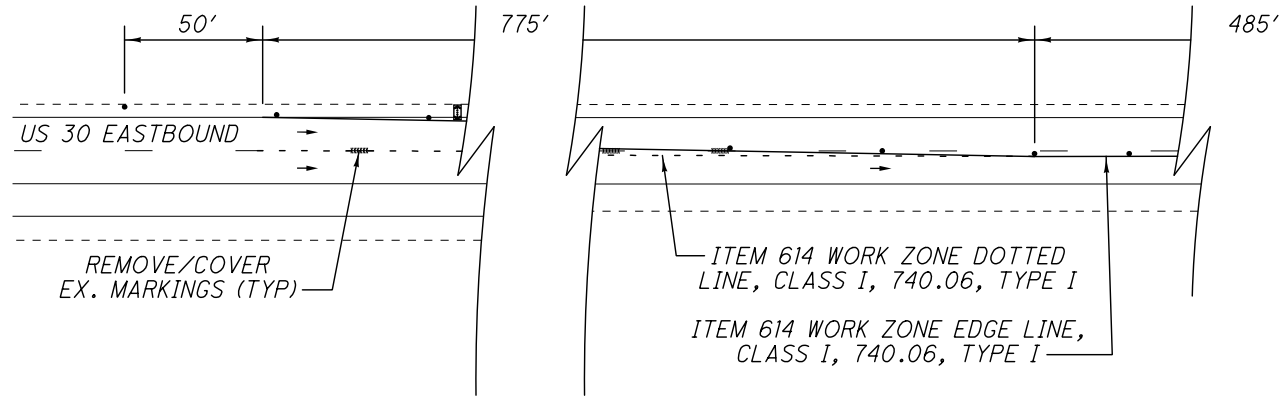
DESIGN FILE: \\projects\83453\structures\WAY-30-11.47 (RIGHT) SFN 8502048\WAY-30-11.47 (RIGHT).dgn
WORKSTATION: foster DATE: 9/15/2014 MODELNAME: Design

NOTES:

EXISTING PAVEMENT MARKINGS SHALL BE REMOVED OR COVERED USING A METHOD ACCEPTABLE TO THE ENGINEER. THIS MAY INCLUDE COVERING WITH ITEM 614 WORK ZONE PAVEMENT MARKING, CLASS I, 740.06, TYPE I (BLACK), OR GRINDING THE EXISTING MARKINGS. THE EXISTING MARKINGS SHALL BE REPLACED OR UNCOVERED AFTER THE WORK ZONE(S) ARE NO LONGER NEEDED.

PHASE I SHOWN. PHASE II SHOWN SEPARATELY ON SHEET 14 (MOT DETAILS FOR WAY-30-11.49 (LEFT)).

ALL WORK ON WAY-30-11.49 (LEFT) AND ALL WORK ABLE TO BE PERFORMED ON WAY-30-11.47 (RIGHT) IN PHASE II SHALL BE COMPLETED CONCURRENTLY SUCH THAT PHASE II NEED ONLY BE ERECTED ONCE AND IMPACT TO TRAFFIC BE MINIMIZED.

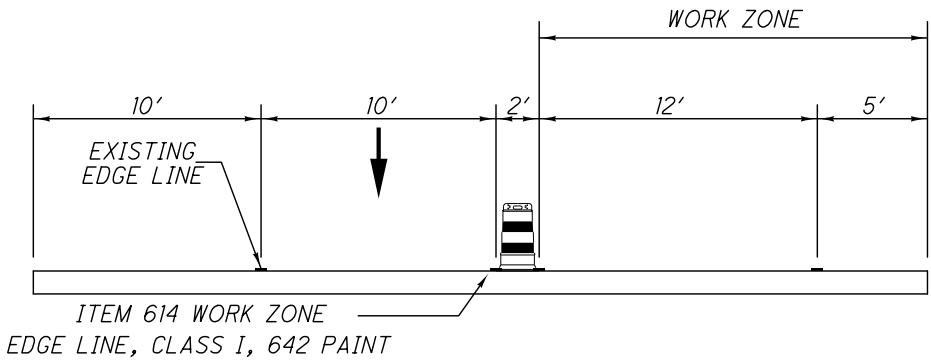


ITEM	QUANTITY	UNIT	DESCRIPTION
614	2	EACH	WORK ZONE IMPACT ATTENUATOR (UNIDIRECTIONAL)
614	6	EACH	BARRIER REFLECTOR, TYPE B2
614	10	EACH	OBJECT MARKER, ONE WAY
614	0.08	MILE	WORK ZONE CENTER LINE, CLASS I, 740.06, TYPE I
614	0.66	MILE	WORK ZONE EDGE LINE, CLASS I, 740.06, TYPE I
614	1890	FT	WORK ZONE DOTTED LINE, CLASS I, 740.06, TYPE I
622	150	FT	PORTABLE BARRIER, 32"
622	170	FT	PORTABLE BARRIER, 32", (UNANCHORED)

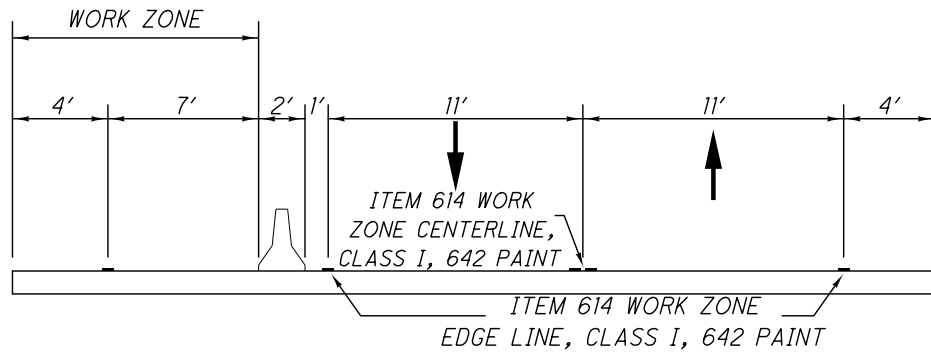
ALL QUANTITIES CARRIED TO THE MOT SUB-SUMMARY.

LEGEND

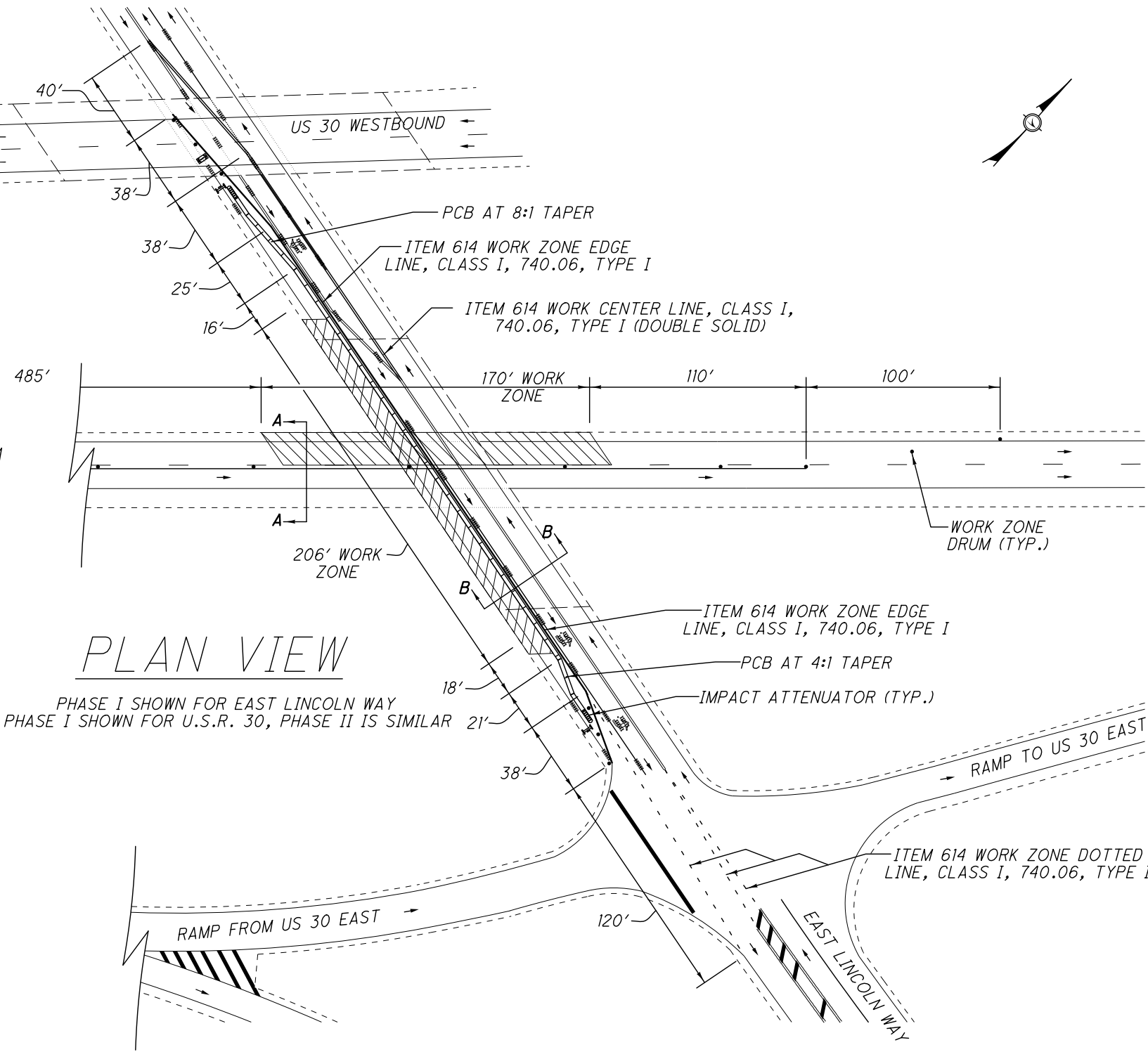
WORK AREA	
DRUMS/CONES	
REMOVE EXISTING MARKINGS	
DIRECTION OF TRAVEL	
CRASH ATTENUATOR	
TYPE 3 BARRICADE	
ARROW BOARD	
PORTABLE BARRIER	



SECTION A-A



SECTION B-B



PHASE I SHOWN FOR EAST LINCOLN WAY
PHASE I SHOWN FOR U.S.R. 30, PHASE II IS SIMILAR

DESIGN FILE: \\projects\83453\structures\WAY-30-11.47 (RIGHT) SFN 8502048\WAY-30-11.47 (RIGHT).dgn
WORKSTATION: foster DATE: 9/15/2014

NOTES:

EXISTING PAVEMENT MARKINGS SHALL BE REMOVED OR COVERED USING A METHOD ACCEPTABLE TO THE ENGINEER. THIS MAY INCLUDE COVERING WITH ITEM 614 WORK ZONE PAVEMENT MARKING, CLASS I, 740.06, TYPE I (BLACK), OR GRINDING THE EXISTING MARKINGS. THE EXISTING MARKINGS SHALL BE REPLACED OR UNCOVERED AFTER THE WORK ZONE(S) ARE NO LONGER NEEDED.

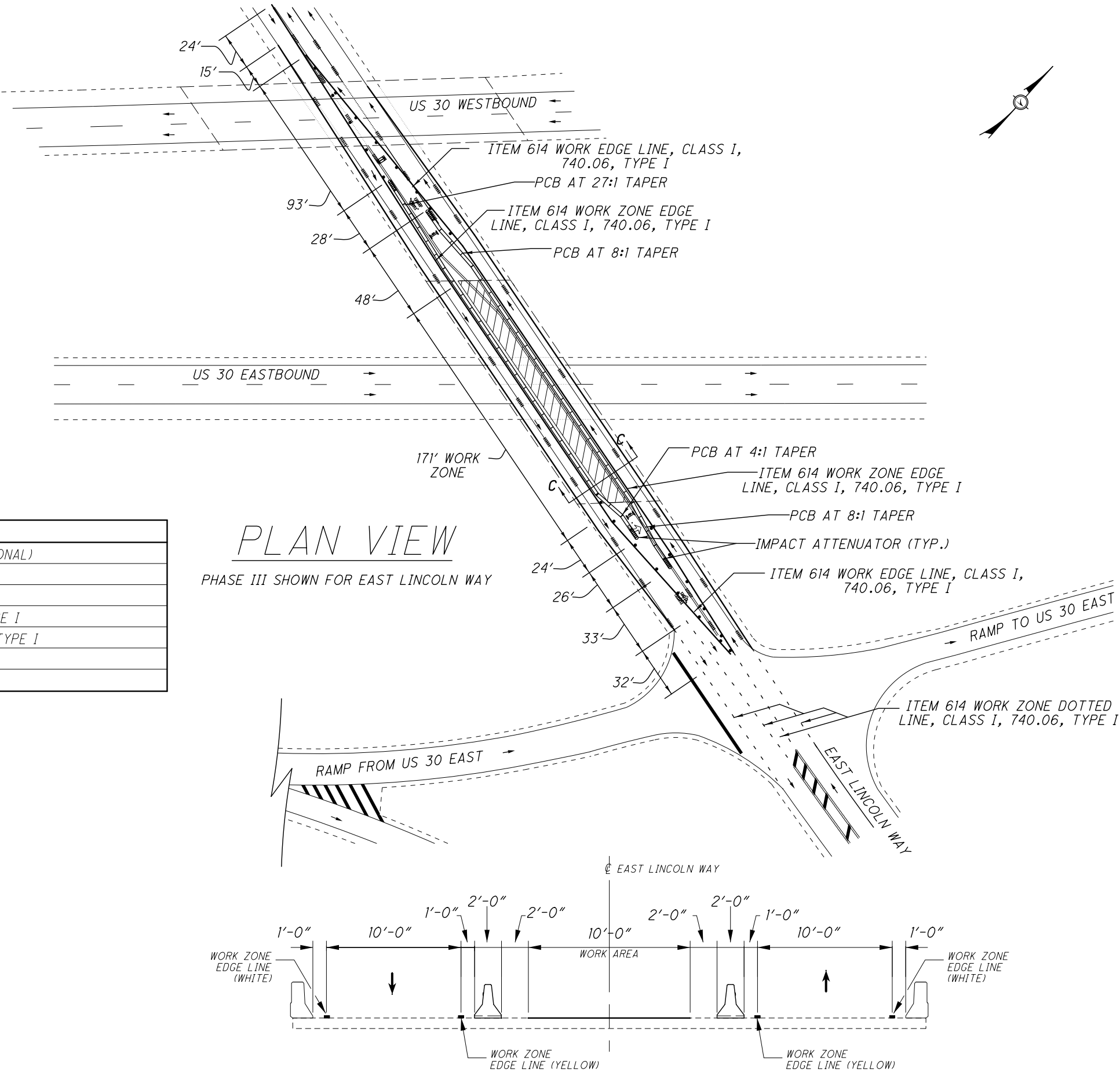
PHASE III SHOWN. PHASE I SHOWN SEPARATELY ON SHEET 17.

ITEM	QUANTITY	UNIT	DESCRIPTION
614	4	EACH	WORK ZONE IMPACT ATTENUATOR (UNIDIRECTIONAL)
614	12	EACH	BARRIER REFLECTOR, TYPE B2
614	10	EACH	OBJECT MARKER, ONE WAY
614	0.35	MILE	WORK ZONE EDGE LINE, CLASS I, 740.06, TYPE I
614	380	FT	WORK ZONE DOTTED LINE, CLASS I, 740.06, TYPE I
622	180	FT	PORTABLE BARRIER, 32"
622	340	FT	PORTABLE BARRIER, 32", (UNANCHORED)

ALL QUANTITIES CARRIED TO THE MOT SUB-SUMMARY.

LEGEND

WORK AREA	
DRUMS/CONES	
REMOVE EXISTING MARKINGS	
DIRECTION OF TRAVEL	
CRASH ATTENUATOR	
TYPE 3 BARRICADE	
ARROW BOARD	
PORTABLE BARRIER	



DESIGN AGENCY
ODOT DISTRICT THREE OFFICE
OF PLANNING AND ENGINEERING

DATE
9/14
REVIEWED
DJV
STRUCTURE FILE NUMBER
8502048

DRAWN
NRF
CHECKED
KRB
REVISED

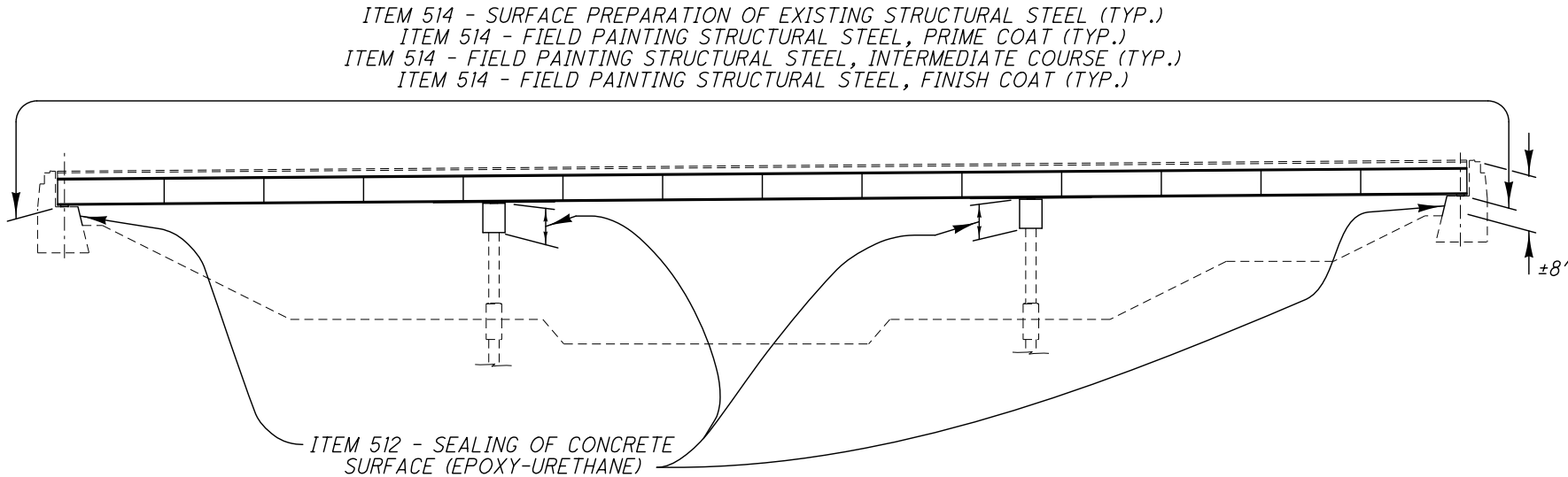
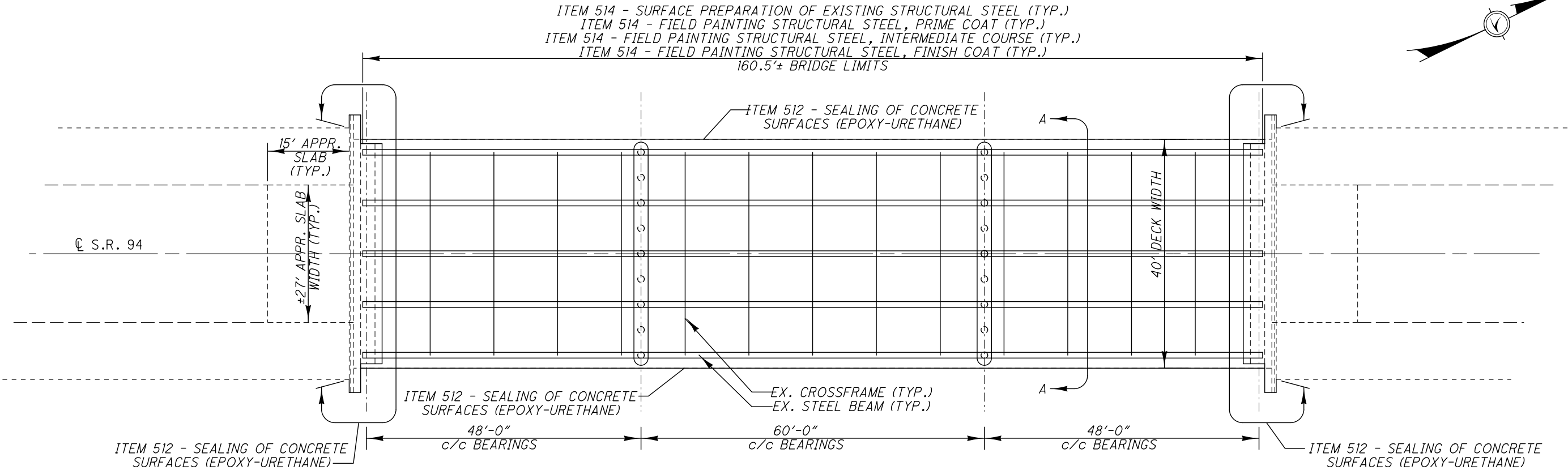
STRUCTURE DETAIL SHEET
WAY-30-11.47 (RIGHT)
STRUCTURE OVER US ROUTE 30

WAY - BH - FY2015
PID No. 83453

4 / 4

18
36

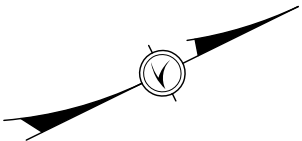
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WORKSTATION: nfooster DATE: 10/8/2014



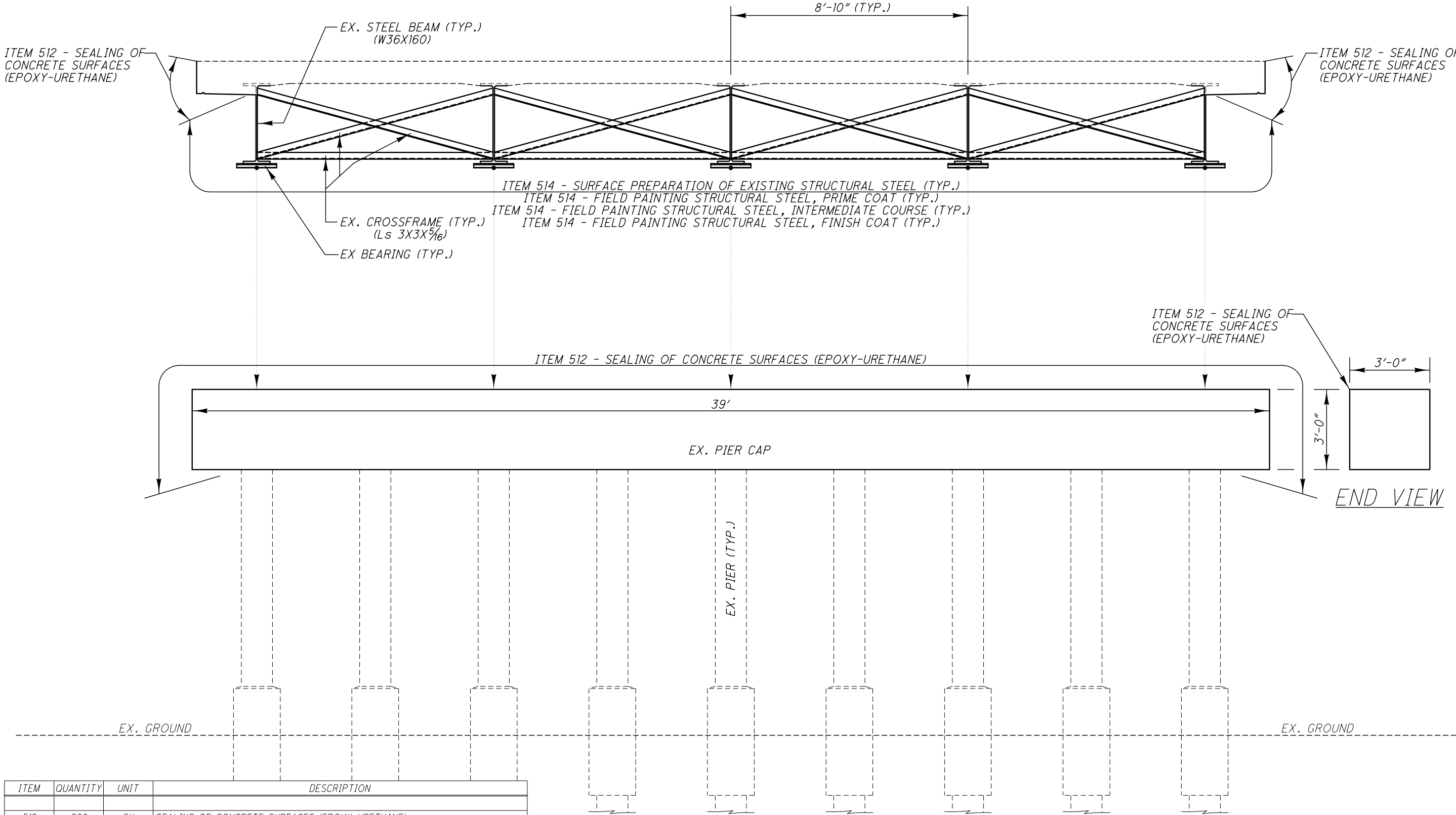
ITEM	QUANTITY	UNIT	DESCRIPTION
512	280	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)
512	130	SY	REMOVAL OF EXISTING COATINGS FROM THE CONCRETE SURFACES
514	8775	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL
514	8775	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT
514	8775	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT
514	8775	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT
514	17	MNHR	GRINDING FINS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL
514	11	EACH	FINAL INSPECTION REPAIR

ALL QUANTITIES CARRIED TO THE GENERAL SUMMARY.

- NOTES:
- ITEM 512 - SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)
SEAL DECK EDGES AND SEAL EXPOSED SUBSTRUCTURE CONCRETE TO INCLUDE ABUTMENTS, WINGWALLS, PIER CAPS, AND ANY OTHER AREAS AS DEEMED NECESSARY BY THE ENGINEER.
- ITEM 512 - REMOVE EXISTING COATINGS FROM CONCRETE SURFACES FROM AREAS DEEMED NECESSARY BY THE ENGINEER.
- ITEM 514 - PREPARE AND PAINT ALL EXPOSED STRUCTURAL STEEL TO INCLUDE STEEL BEAMS, CROSSFRAMES, STEEL BEAM BEARINGS, AND ANY OTHER AREA AS DEEMED NECESSARY BY THE ENGINEER.



DESIGN FILE: i:\projects\83453\structures\WAY-94-18.30 SFN 8504083\WAY-94-1830_8504083.dgn
WORKSTATION: ksday DATE: 10/9/2014



ITEM	QUANTITY	UNIT	DESCRIPTION
512	280	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)
512	130	SY	REMOVAL OF EXISTING COATINGS FROM THE CONCRETE SURFACES
514	8775	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL
514	8775	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT
514	8775	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT
514	8775	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT
514	17	MNHR	GRINDING FINS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL
514	11	EACH	FINAL INSPECTION REPAIR

ALL QUANTITIES CARRIED TO STRUCTURE SHEET 1/3.

SECTION A-A

WAY - BH - FY2015 PID No. 83453	STRUCTURE DETAILS WAY-94-18.30 STRUCTURE OVER CHIPPEWA CREEK		DESIGN AGENCY ODOT DISTRICT THREE OFFICE OF PLANNING AND ENGINEERING
	2 / 3	20 / 36	



PAHSE I SHOWN, PHASE II SIMILAR



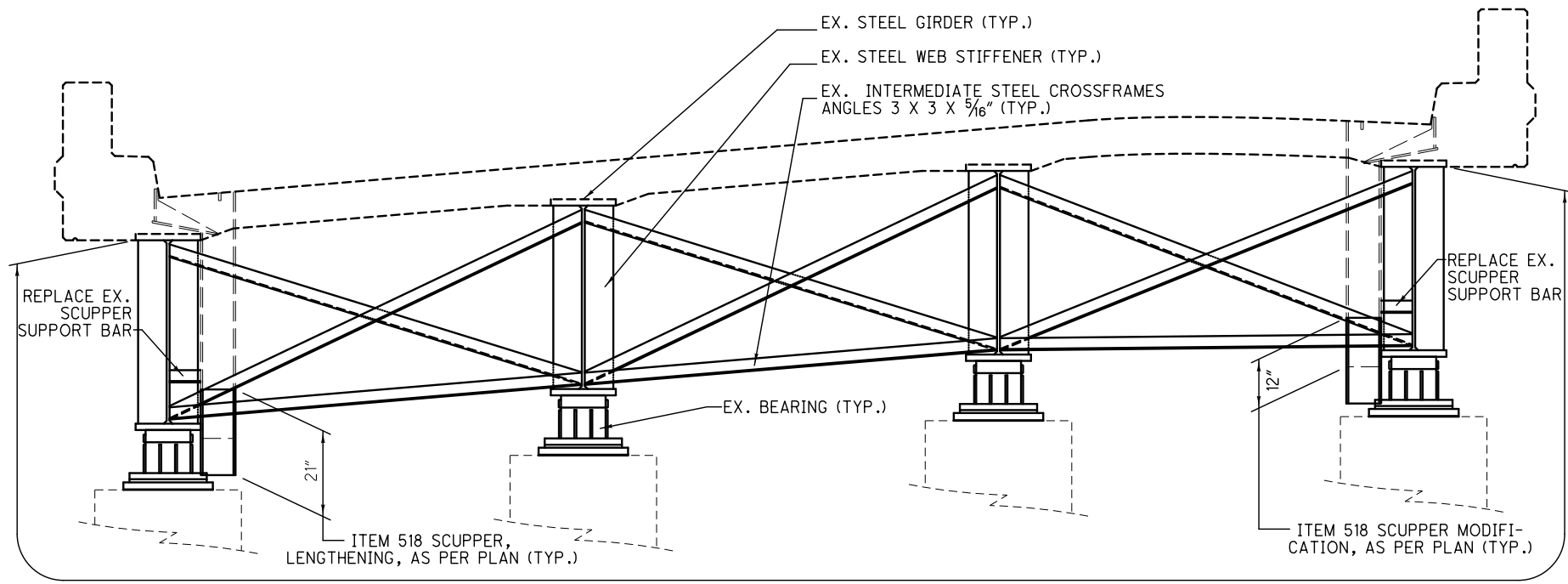
EX. CENTERLINE
(REMOVE OR
BLACKOUT)

ADVANCED WARNING SIGNAGE SHOWN FOR
SOUTHBOUND TRAFFIC ONLY.
NORTHBOUND SIMILAR.

REFER TO SCD MT-95.50 FOR ADDITIONAL
DETAILS NOT SHOWN.

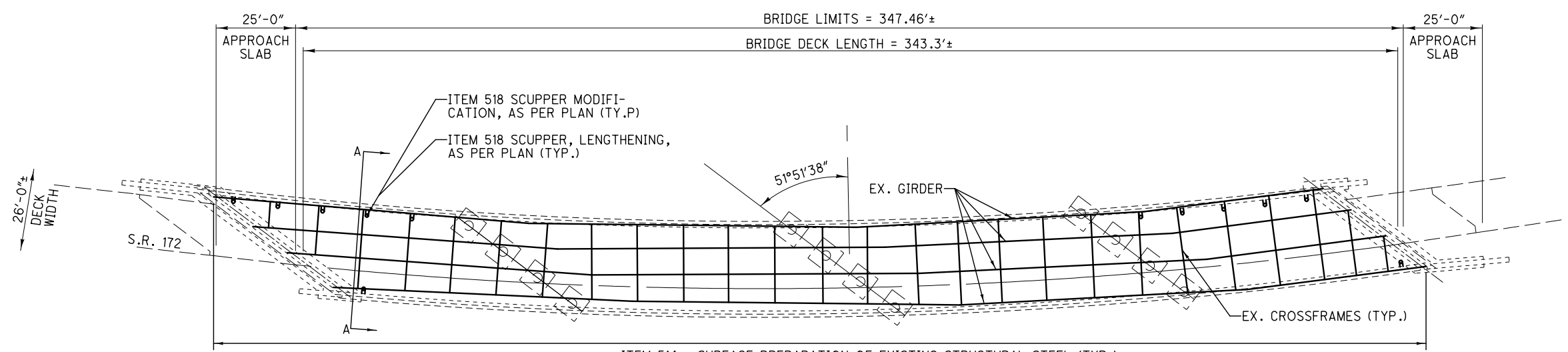
ALL QUANTITIES CARRIED TO THE MOT SUB-SUMMARY

DESIGN FILE: \\projects\83453\structures\WAY-172-0.25 SFN 8502455\WAY-172-0025_8502455.dgn
WORKSTATION: foster DATE: 10/8/2014 MODELNAME: Design



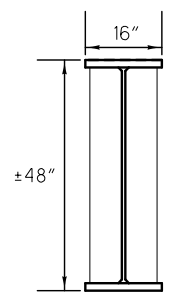
ITEM 514 - SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL (TYP.)
ITEM 514 - FIELD PAINTING STRUCTURAL STEEL, PRIME COAT (TYP.)
ITEM 514 - FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COURSE (TYP.)
ITEM 514 - FIELD PAINTING STRUCTURAL STEEL, FINISH COAT (TYP.)

SECTION A-A



ITEM 514 - SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL (TYP.)
ITEM 514 - FIELD PAINTING STRUCTURAL STEEL, PRIME COAT (TYP.)
ITEM 514 - FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COURSE (TYP.)
ITEM 514 - FIELD PAINTING STRUCTURAL STEEL, FINISH COAT (TYP.)

PLAN VIEW



TYPICAL STEEL GIRDER

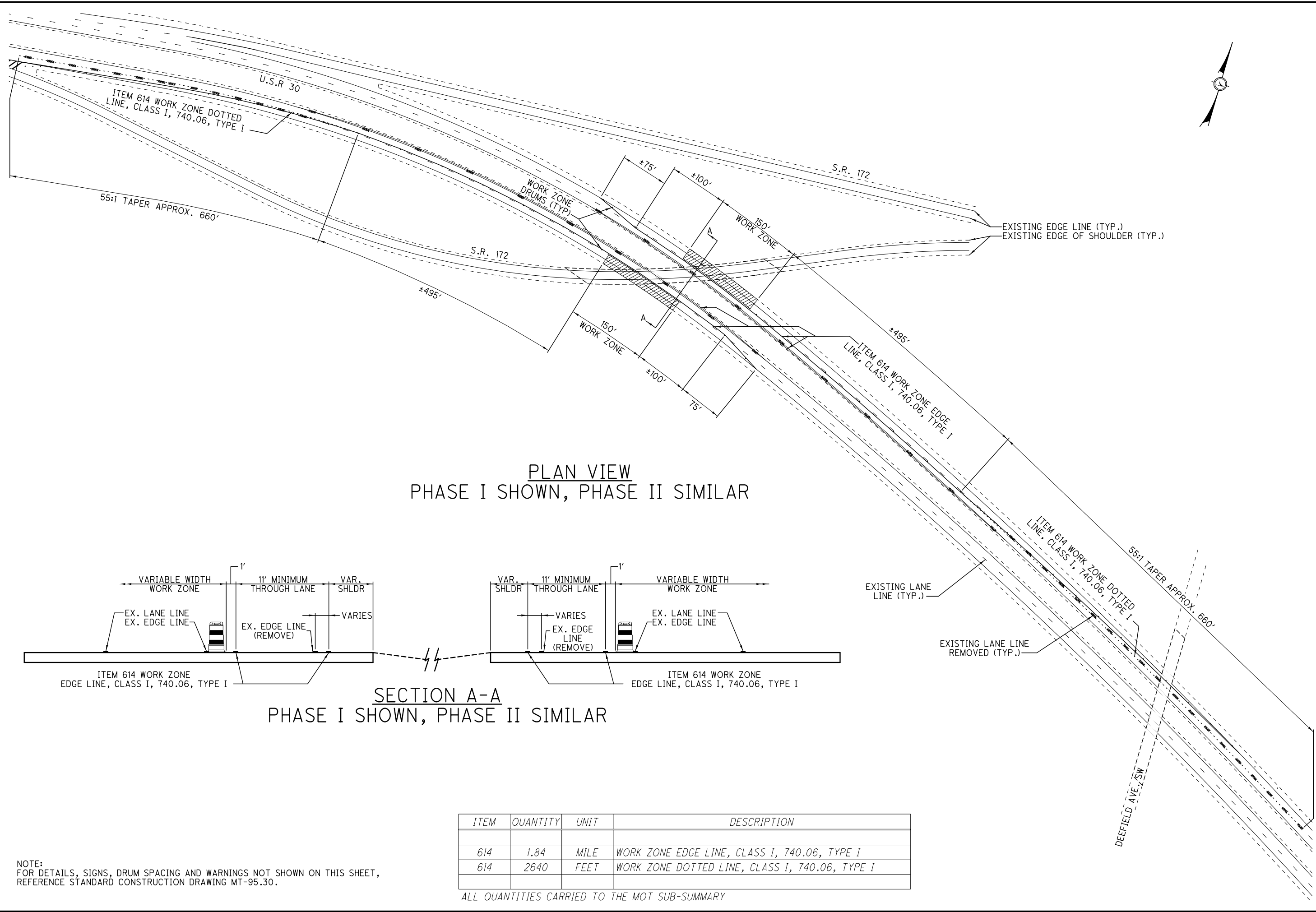
NOTES:
ITEM 514 - PERFORM A COMPLETE PAINTING. THIS IS TO INCLUDE ALL BEAMS, CROSS FRAMES, AND BEARINGS.
EXISTING END STEEL CROSSFRAME ANGLES ARE 4 X 4 X 5/16"

ITEM	QUANTITY	UNIT	DESCRIPTION
514	21220	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL
514	21220	SF	FIELD PAINTING OF EXISTING STURCTURAL STEEL, PRIME COAT
514	21220	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT
514	21220	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT
514	23	MNHR	GRINDING FINIS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL
514	18	EACH	FINAL INSPECTION REPAIR
518	12	EACH	SCUPPER MODIFICATION, AS PER PLAN
518	12	EACH	SCUPPER, LENGTHENING, AS PER PLAN

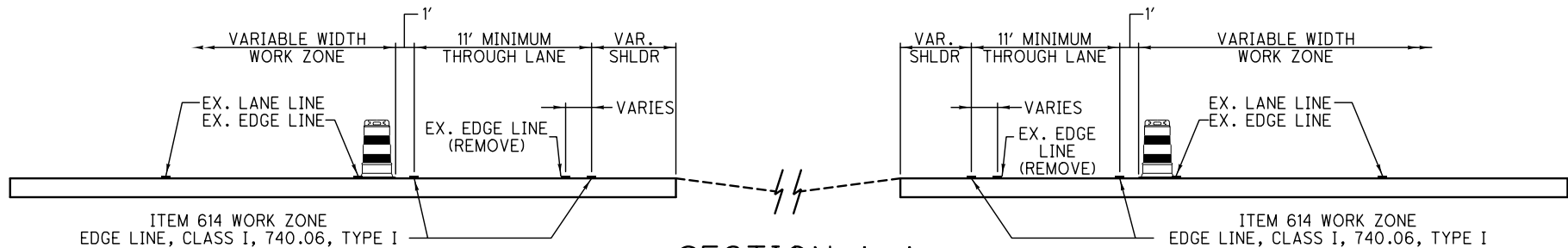
ALL QUANTITIES CARRIED TO THE GENERAL SUMMARY



DESIGN FILE: \\projects\83453\structures\WAY-172-0.25 SFN 8502455\WAY-172-0025_8502455.dgn
WORKSTATION: foster DATE: 9/15/2014 MODELNAME: Design



PLAN VIEW
PHASE I SHOWN, PHASE II SIMILAR



SECTION A-A
PHASE I SHOWN, PHASE II SIMILAR

NOTE:
FOR DETAILS, SIGNS, DRUM SPACING AND WARNINGS NOT SHOWN ON THIS SHEET,
REFERENCE STANDARD CONSTRUCTION DRAWING MT-95.30.

ITEM	QUANTITY	UNIT	DESCRIPTION
614	1.84	MILE	WORK ZONE EDGE LINE, CLASS I, 740.06, TYPE I
614	2640	FEET	WORK ZONE DOTTED LINE, CLASS I, 740.06, TYPE I

ALL QUANTITIES CARRIED TO THE MOT SUB-SUMMARY

DESIGN AGENCY
ODOT DISTRICT THREE OFFICE
OF PLANNING AND ENGINEERING

DATE
9/10/14

REVIEWED
KCK

DRAWN
KCK

DESIGNED
KCK

STRUCTURE FILE NUMBER
8502455

REVISED
CAG

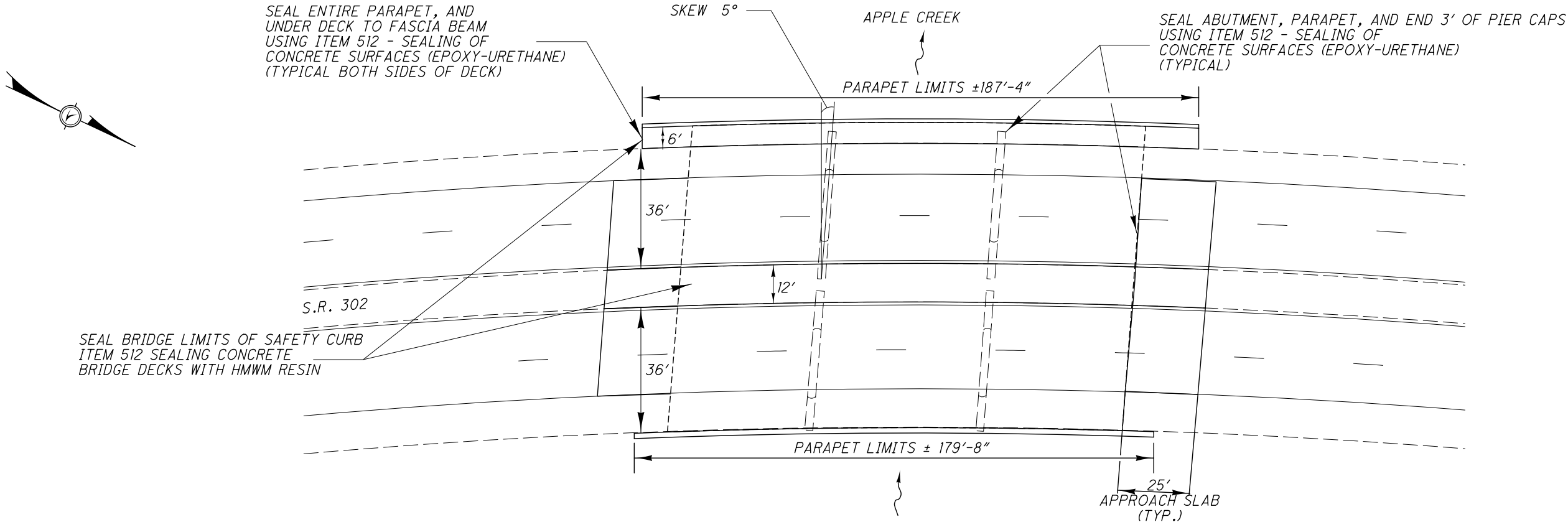
MAINTENANCE OF TRAFFIC PLAN
WAY-172-0.25
OVER US ROUTE 30

WAY -BH -FY2015

2 / 2

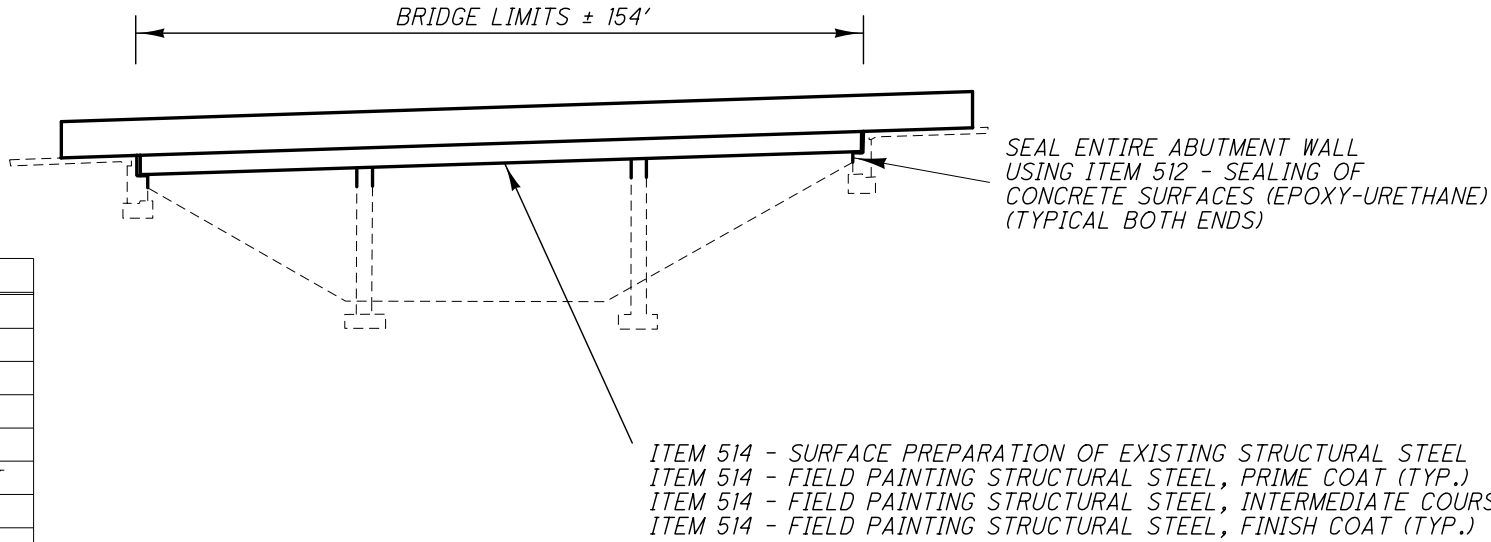
23
36

DESIGN FILE: \\projects\83453\structures\WAY-302-0.88 SFN 8505160\WAY-302-0.88 SFN 8505160.dgn
WORKSTATION: fofster DATE: 9/15/2014 MODELNAME: Design



PLAN VIEW

- NOTES:
- 1.) SEE SHEET 2/3 FOR PARAPET, SAFETY CURB AND PIER END SEALING DETAILS.
 - 2.) SEE SHEET 3/3 FOR STRUCTURAL STEEL REPAIR AND PAINTING DETAILS.
 - 3.) DO NOT SEAL RAILING.

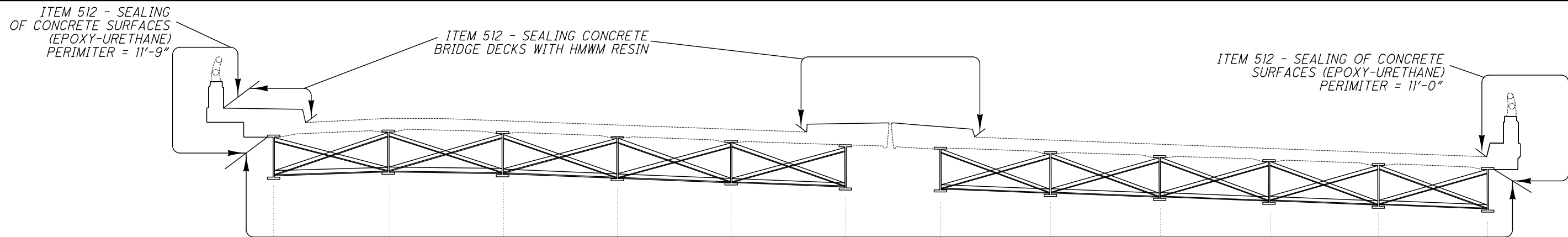


PROFILE ALONG CENTERLINE

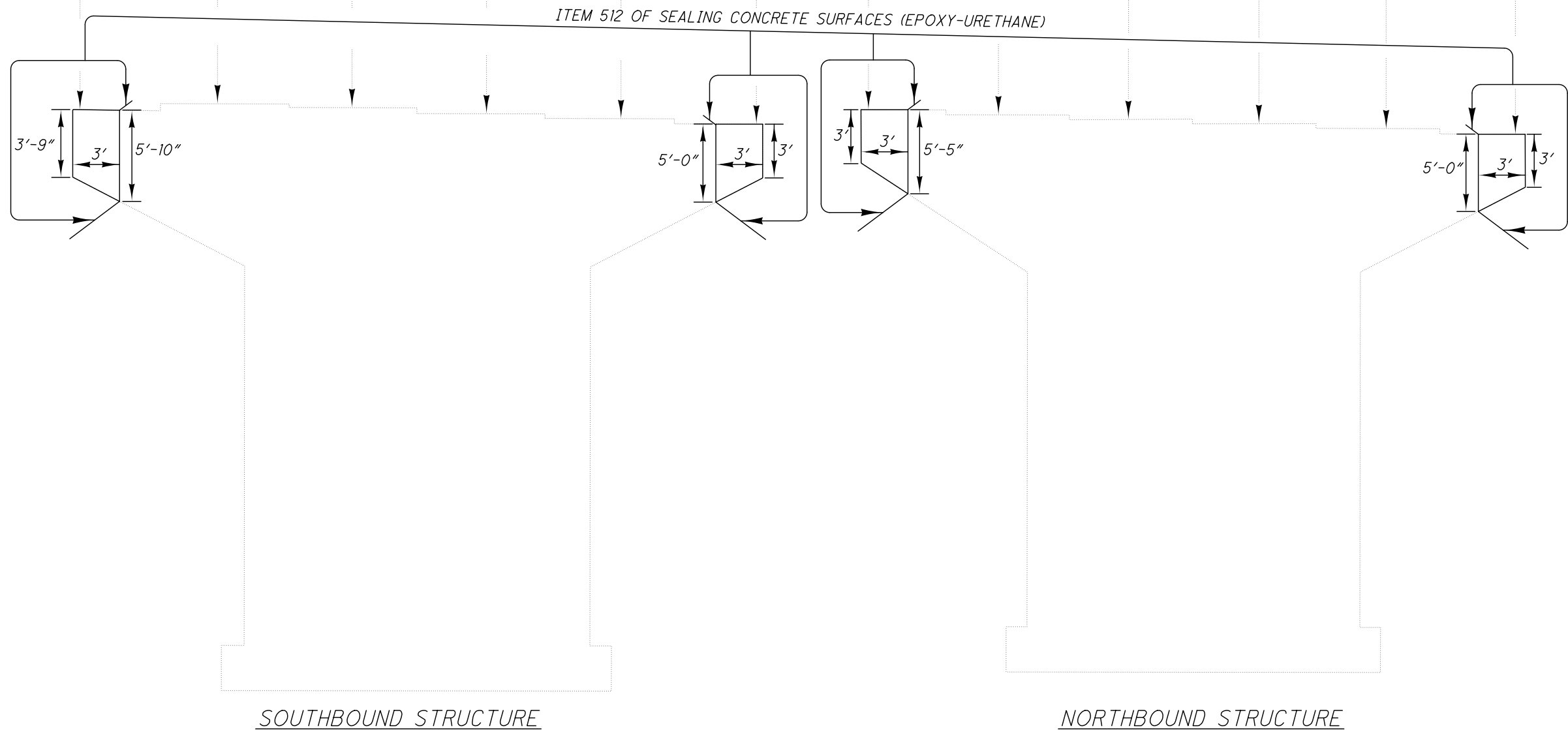
ITEM	QUANTITY	UNIT	DESCRIPTION
512	510	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)
512	310	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN
513	163	LB	STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN
514	18956	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL
514	18956	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT
514	18956	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT
514	18956	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT
514	30	MNHR	GRINDING FINS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL
514	19	EACH	FINAL INSPECTION REPAIR

ALL QUANTITIES CARRIED TO THE GENERAL SUMMARY

DESIGN FILE: \\projects\83453\structures\WAY-302-0.88 SFN 8505160\WAY-302-0.88 SFN 8505160.dgn
WORKSTATION: foster DATE: 9/15/2014 MODELNAME: Design



ITEM 514 - SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL
ITEM 514 - FIELD PAINTING STRUCTURAL STEEL, PRIME COAT (TYP.)
ITEM 514 - FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COURSE (TYP.)
ITEM 514 - FIELD PAINTING STRUCTURAL STEEL, FINISH COAT (TYP.)
QUANTITIES ON STRUCTURALS PAGE 3/3.



ITEM	QUANTITY	UNIT	DESCRIPTION
512	457	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)
512	310	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN

ALL QUANTITIES CARRIED TO SHEET 1/3

NOTE:
QUANTITIES ON STRUCTURALS PAGE 3/3.

ALL QUANTITIES CARRIED TO SHEET 1/3



1.) ITEM 514 SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL
ITEM 514 - FIELD PAINTING STRUCTURAL STEEL, PRIME COAT (TYP.)
ITEM 514 - FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COURSE (TYP.)
ITEM 514 - FIELD PAINTING STRUCTURAL STEEL, FINISH COAT (TYP.)
PREPARE AND PAINT ALL EXPOSED STRUCTURAL STEEL, TO INCLUDE
GIRDERS, CROSS FRAMES, WEB STIFFENERS, BEARINGS AND ANY OTHER
LOCATION DEEMED NECESSARY BY THE ENGINEER.

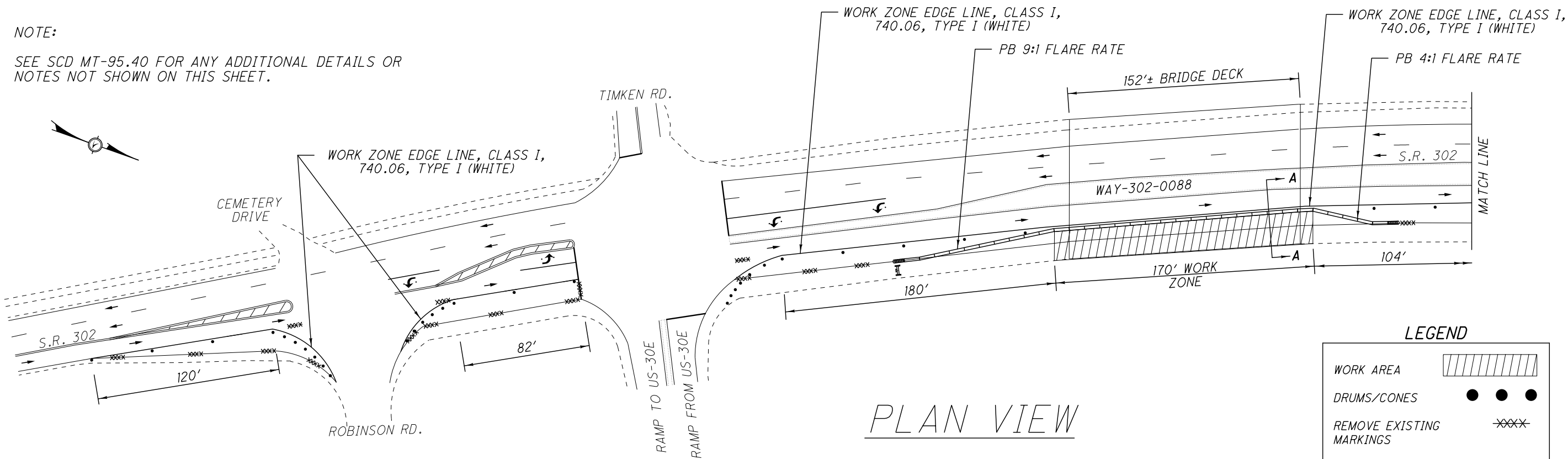
2) FOR DETAILS NOT SHOWN, SEE STANDARD DRAWING GSD-1-96.

WAY - BH - FY 2015

DESIGN FILE: \\projects\83453\structures\WAY-302-0.88 SFN 8505160\WAY-302 MOT.dgn
WORKSTATION: fofoster DATE: 9/15/2014 MODELNAME: Design

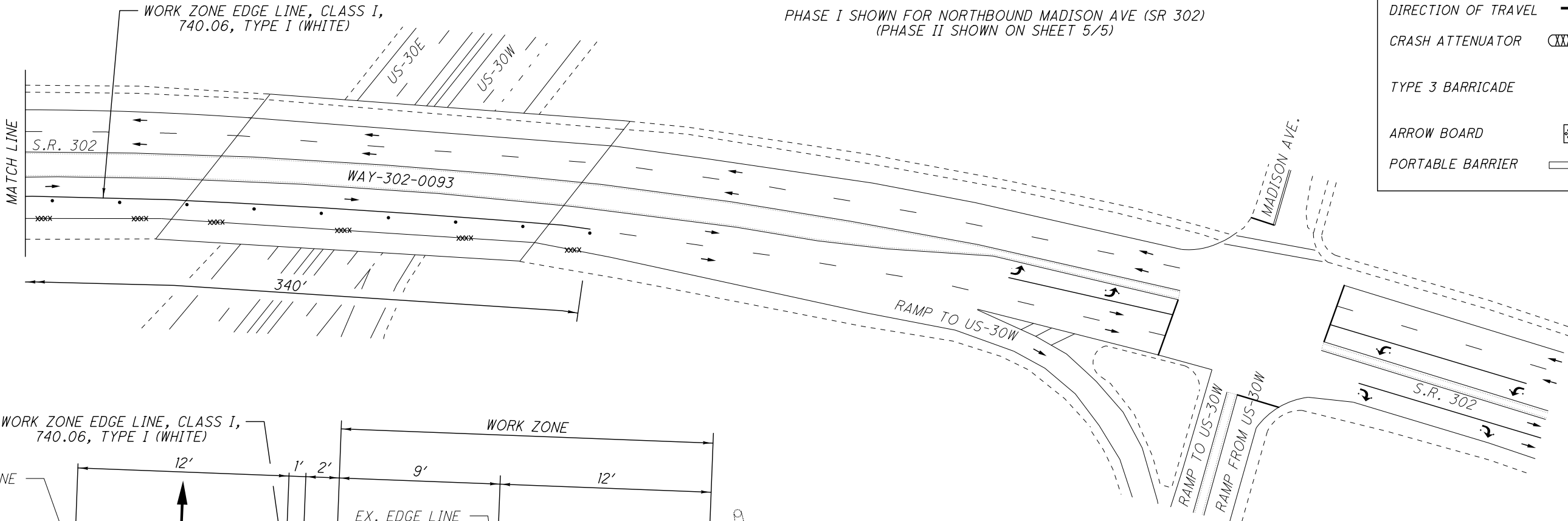
NOTE:

SEE SCD MT-95.40 FOR ANY ADDITIONAL DETAILS OR NOTES NOT SHOWN ON THIS SHEET.



PLAN VIEW

PHASE I SHOWN FOR NORTHBOUND MADISON AVE (SR 302)
(PHASE II SHOWN ON SHEET 5/5)



SECTION A-A

ITEM	QUANTITY	UNIT	DESCRIPTION
614	2	EACH	WORK ZONE IMPACT ATTENUATOR (UNIDIRECTIONAL)
614	6	EACH	BARRIER REFLECTOR, TYPE B2
614	5	EACH	OBJECT MARKER, ONE WAY
614	0.22	MILE	WORK ZONE EDGE LINE, CLASS I, 740.06, TYPE I
622	170	FT	PORTABLE BARRIER, 32"
622	150	FT	PORTABLE BARRIER, 32", BRIDGE MOUNTED (UNANCHORED)

ALL QUANTITIES CARRIED TO THE MOT SUB-SUMMARY

DESIGN AGENCY
ODOT DISTRICT THREE OFFICE
OF PLANNING AND ENGINEERING

DATE
9/14
REVIEWED
DJV
STRUCTURE FILE NUMBER

DRAWN
NRF
CHECKED
KRB
REVISED

STRUCTURE DETAIL SHEET
WAY-302-0088 & WAY-302-0093
STRUCTURES OVER APPLE CREEK AND U.S.R. 30

WAY-BH-FY2015
PID No. 83453

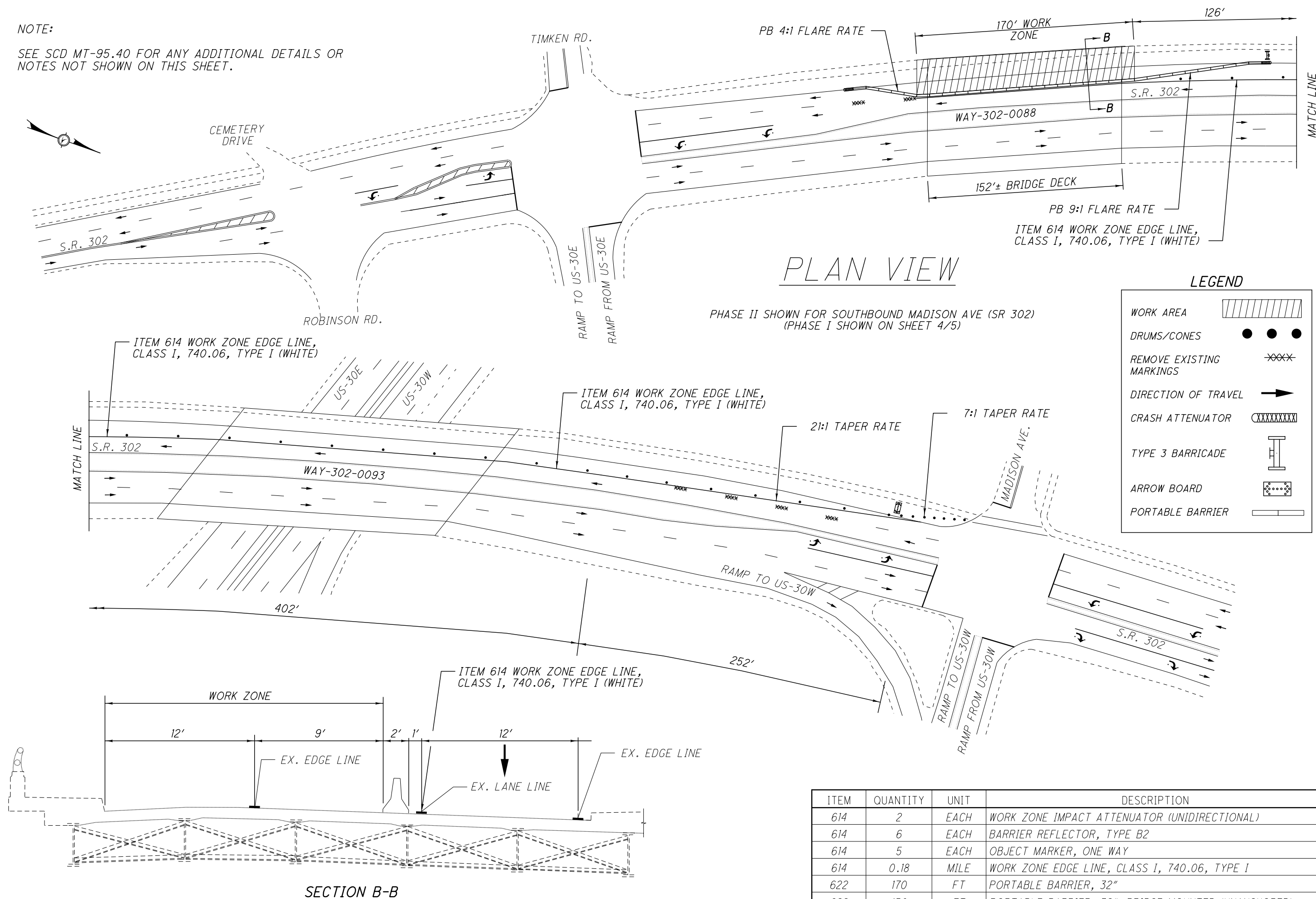
4 / 6

27
36

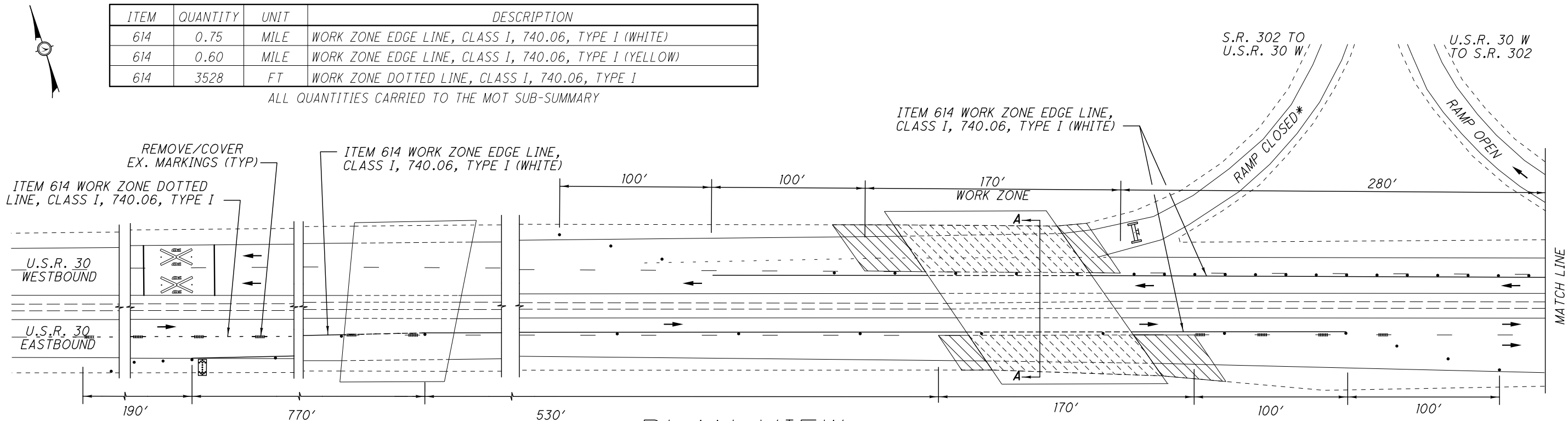
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WORKSTATION: fofster DATE: 9/15/2014 MODELNAME: Design

NOTE:

SEE SCD MT-95.40 FOR ANY ADDITIONAL DETAILS OR NOTES NOT SHOWN ON THIS SHEET.



DESIGN FILE: \\projects\83453\structures\WAY-302-0.88 SFN 8505160\WAY-302 MOT US30.dgn
WORKSTATION: fofoster DATE: 9/15/2014



PLAN VIEW

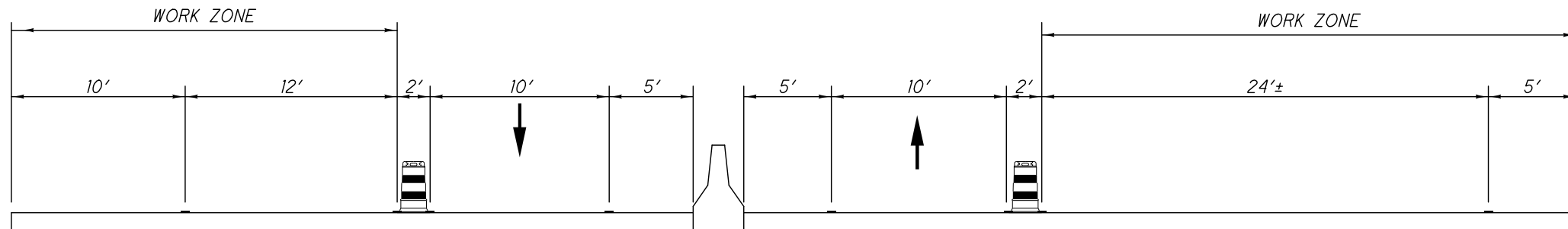
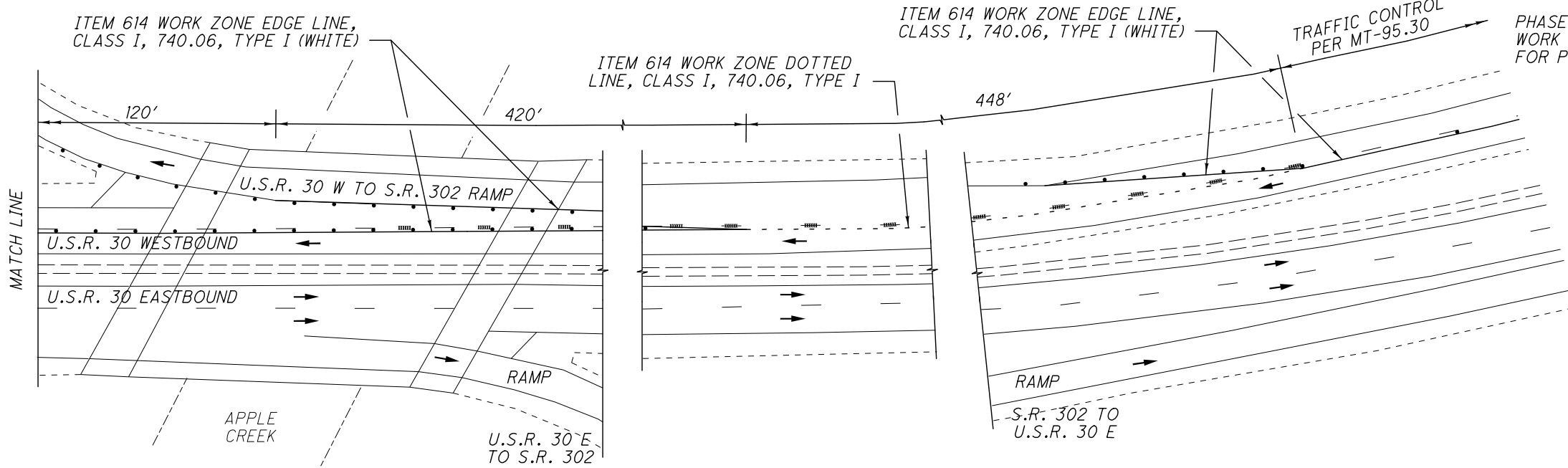
PHASE I SHOWN, PHASE II SIMILAR

* RAMP CLOSED ONLY FOR PHASE I. SEE DETOUR DETAILS IN PLANS.

NOTES:

FOR DETAILS NOT SHOWN, SEE SCD 95.30 AND 98.20

PHASE I SHOWN, PHASE II IS SIMILAR. USE ITEM 614 - WORK ZONE EDGE LINE, CLASS I, 740.06, TYPE I (YELLOW) FOR PHASE II.



SECTION A-A

ITEM	QUANTITY	UNIT	DESCRIPTION
614	0.75	MILE	WORK ZONE EDGE LINE, CLASS I, 740.06, TYPE I (WHITE)
614	0.60	MILE	WORK ZONE EDGE LINE, CLASS I, 740.06, TYPE I (YELLOW)
614	3528	FT	WORK ZONE DOTTED LINE, CLASS I, 740.06, TYPE I

ALL QUANTITIES CARRIED TO THE MOT SUB-SUMMARY

LEGEND	
WORK AREA	
DRUMS/CONES	
REMOVE EXISTING MARKINGS	
DIRECTION OF TRAVEL	
TYPE 3 BARRICADE	
ARROW BOARD	

DESIGN AGENCY
ODOT DISTRICT THREE OFFICE
OF PLANNING AND ENGINEERING

DATE
9/14
REVIEWED
DJV

STRUCTURE FILE NUMBER

DRAWN
NRF
CHECKED
KRB

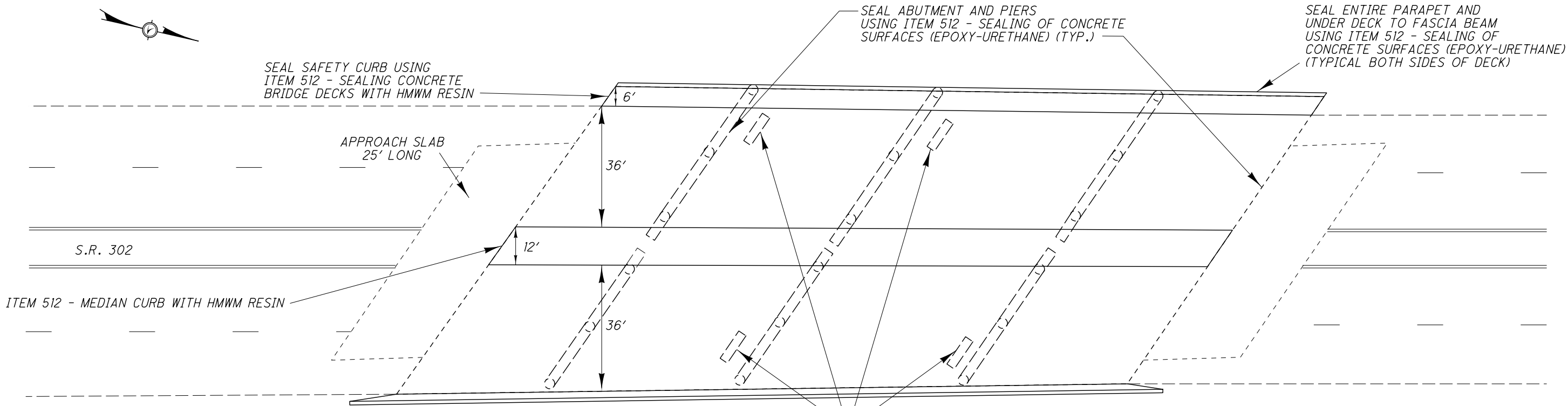
STRUCTURE DETAIL SHEET
WAY-302-0088 & WAY-302-0093
STRUCTURES OVER APPLE CREEK AND U.S.R. 30

WAY-30-BH FY15
PID No. 83453

6/6

29
36

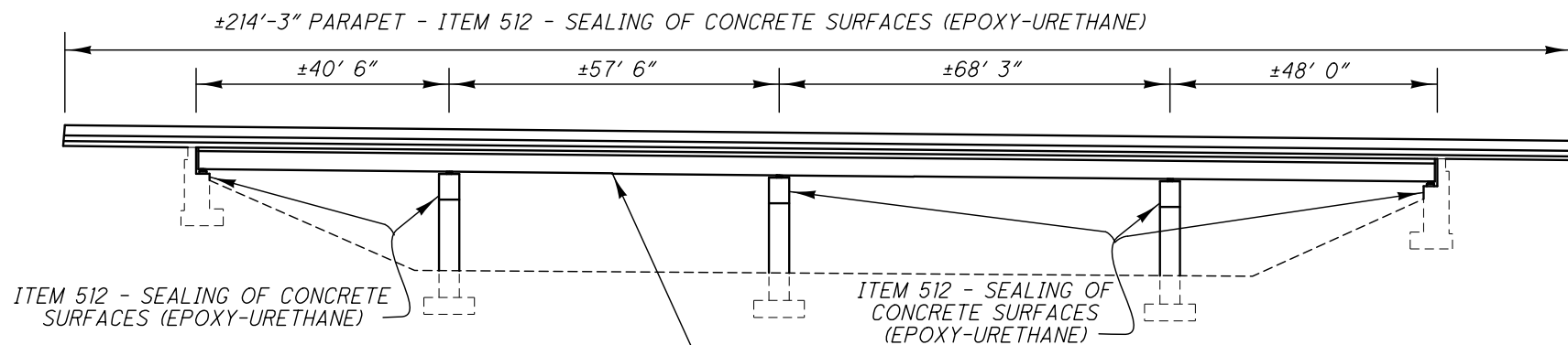
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WORKSTATION: foster DATE: 9/15/2014 MODELNAME: Design



PLAN VIEW

PROPOSED WORK:

- ITEM 514 - SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL
ITEM 514 - FIELD PAINTING STRUCTURAL STEEL, PRIME COAT (TYP.)
ITEM 514 - FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COURSE (TYP.)
ITEM 514 - FIELD PAINTING STRUCTURAL STEEL, FINISH COAT (TYP.)
PREPARE AND PAINT ALL EXPOSED STRUCTURAL STEEL, TO INCLUDE GIRDERS, CROSS FRAMES, WEB STIFFENERS, BEARINGS AND ANY OTHER LOCATION DEEMED NECESSARY BY THE ENGINEER.
- ITEM 516 - BEARING RESET, BEAM #3 FORWARD ABUTMENT
- ITEM 512 - SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)
ITEM 512 - SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN
- ITEM 849 - HEAT STRAIGHTEN BEAM
ITEM 513 - INSTALL NEW CROSS FRAME ASSEMBLY, WELD END CROSS FRAME ANGLES
- ITEM 202 - REMOVAL MISC.: REMOVE ABANDONED LIGHT FIXTURES AND CONDUITS

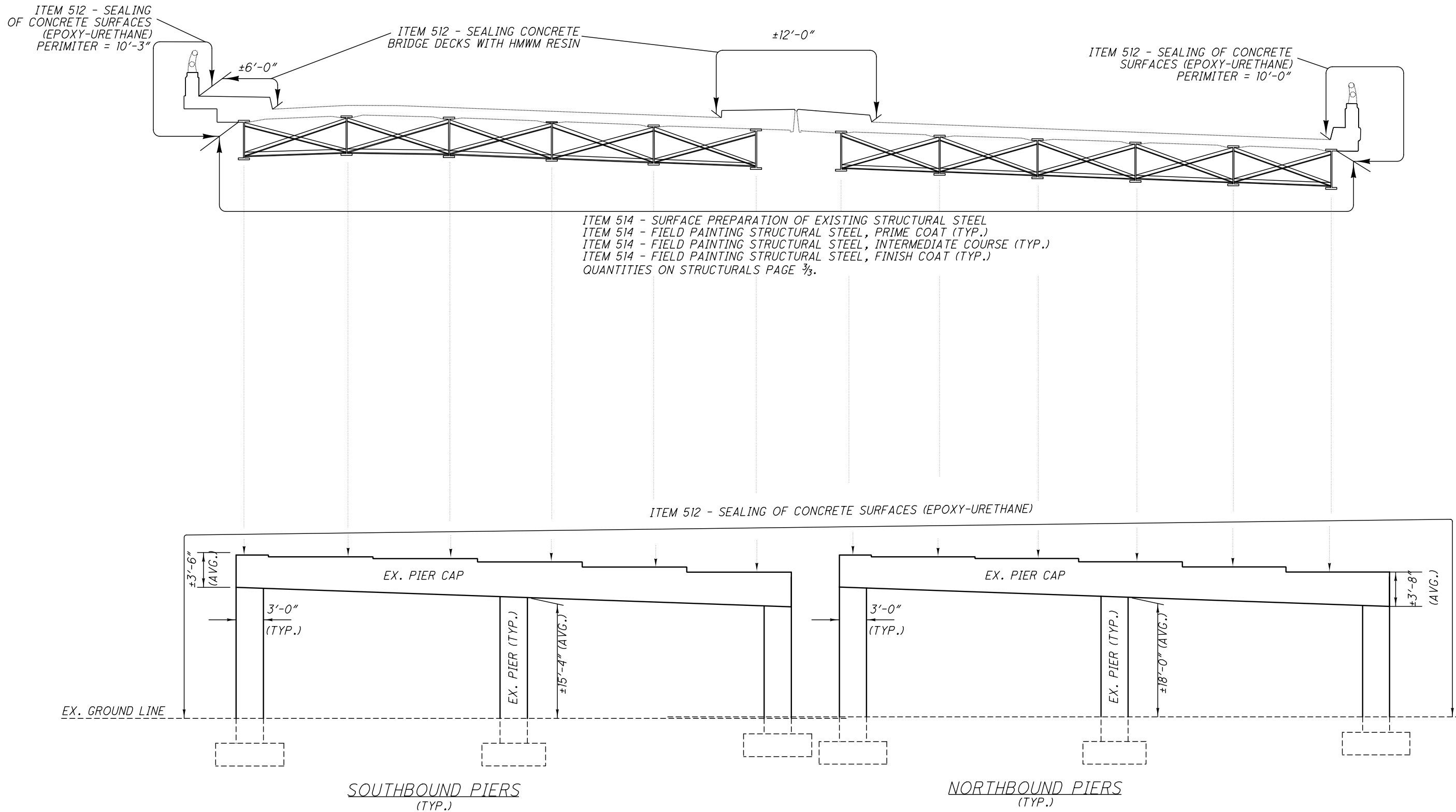


PROFILE ALONG CENTERLINE

- ITEM 514 - SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL
ITEM 514 - FIELD PAINTING STRUCTURAL STEEL, PRIME COAT (TYP.)
ITEM 514 - FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COURSE (TYP.)
ITEM 514 - FIELD PAINTING STRUCTURAL STEEL, FINISH COAT (TYP.)

ITEM	QUANTITY	UNIT	DESCRIPTION
202	4	EACH	ITEM 202 - REMOVAL MISC.: ABANDONED LIGHT FIXTURES AND CONDUITS
512	706	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)
512	143	SY	SEALING OF CONCRETE SURFACES (HMWM RESIN)
513	160	LB	STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN
513	3	EACH	STRUCTURAL STEEL, MISC.: CROSS FRAME WELD REPAIR
514	28895	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL
514	28895	SF	FIELD PAINTING STRUCTURAL STEEL, PRIME COAT (TYP)
514	28895	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COURSE (TYP)
514	28895	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT (TYP)
514	43	MNHR	GRINDING FINS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL
514	30	EACH	FINAL INSPECTION REPAIR
516	1	EA	RESET BEARING
516	LUMP		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE
849	LUMP		DAMAGE ASSESMENT
849	LUMP		SURFACE PREPARATION
849	2	HOURL	REPAIRING DAMAGED MEMBERS BY GRINDING
849	LUMP		STRAIGHTENING DAMAGED MEMBERS

ALL QUANTITIES CARRIED TO GENERAL SUMMARY

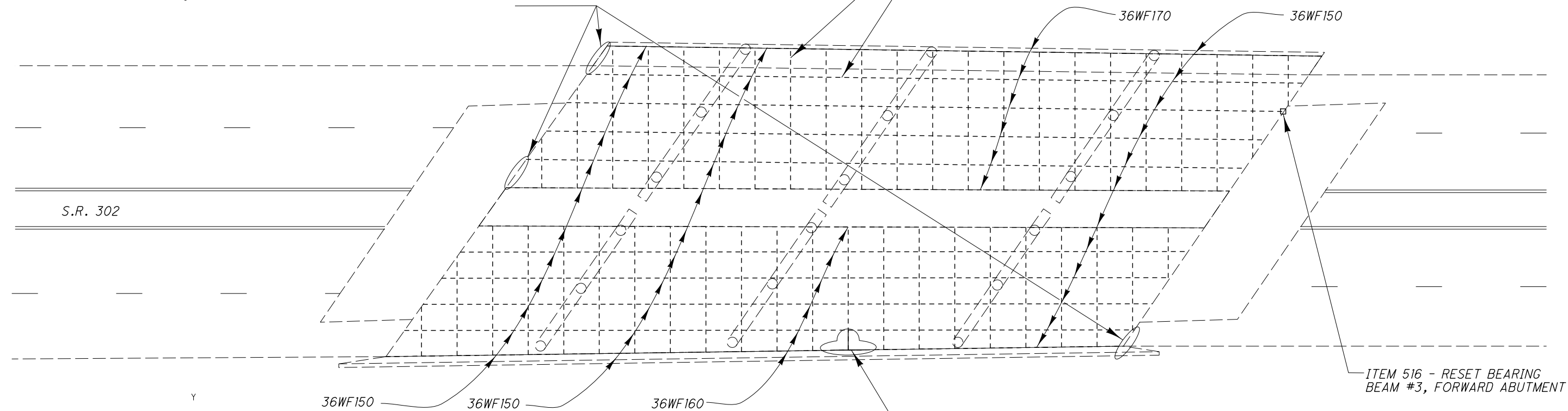


DESIGN FILE: \\projects\83453\structures\WAY-302-0.93 SFN 8505195\WAY-302-093_8505195.dgn
WORKSTATION: foster DATE: 9/15/2014 MODELNAME: Design



ITEM 513 - END CROSS FRAME ANGLES TO BE RE-WELDED
FWD ABUTMENT BAY #5 NB
REAR ABUTMENT BAY #1 AND #5 SB

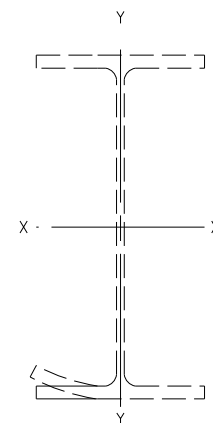
ITEM 514 - SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL
ITEM 514 - FIELD PAINTING STRUCTURAL STEEL, PRIME COAT (TYP.)
ITEM 514 - FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COURSE (TYP.)
ITEM 514 - FIELD PAINTING STRUCTURAL STEEL, FINISH COAT (TYP.)



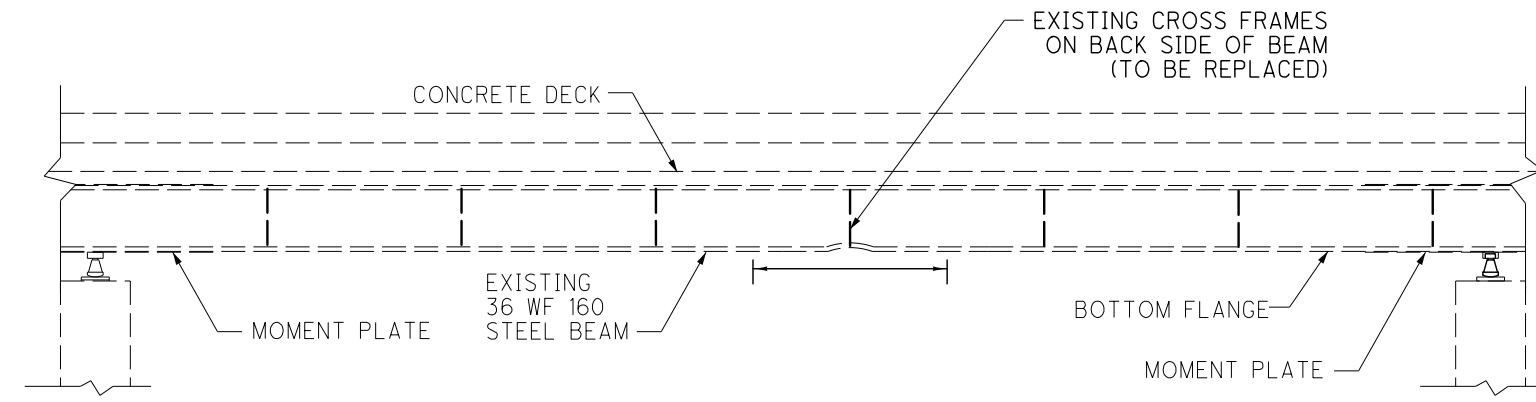
ITEM 516 - RESET BEARING BEAM #3, FORWARD ABUTMENT

36WF160 STEEL BEAM TO BE HEAT STRAIGHTENED (10FT)
REPLACE INTERMEDIATE CROSS FRAME 3 X 3 X 5/16.
INTERMEDIATE CROSS FRAME - WELD BOTH SIDES OF VERTICAL LEG AND TOP SIDE OF HORIZONTAL LEG TO BEAM WITH 1/4" CONTINUOUS FILLET WELD. BAY WIDTH IS 7' - 10 1/2"

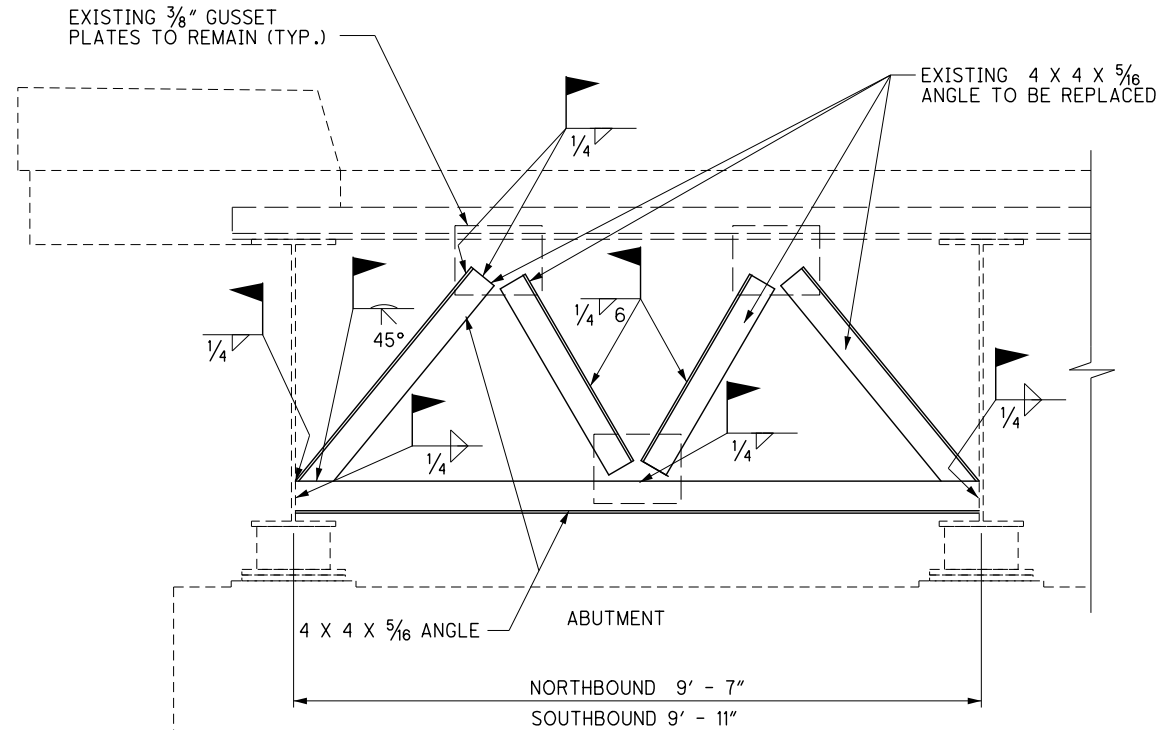
DETAIL OF STEEL FRAMING



CROSS SECTION - HEAT STRAIGHTENING



PROFILE - HEAT STRAIGHTENING



END CROSS FRAME ANGLES

WELD DETAILS NOT SHOWN, SEE GSD-1-96

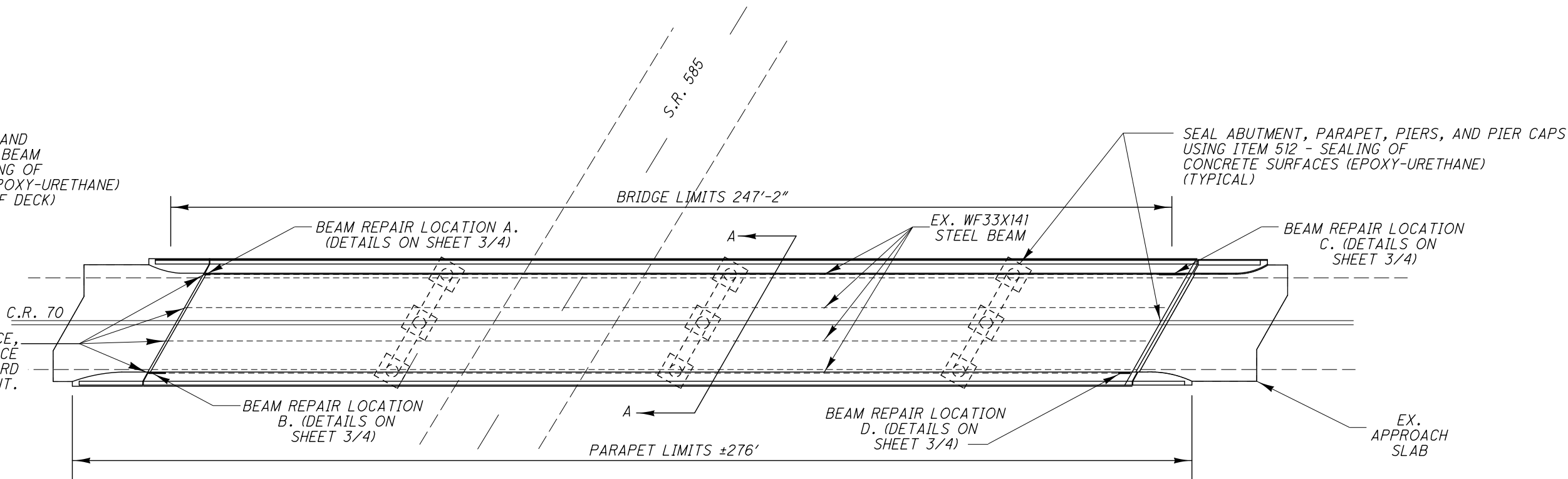
DESIGN AGENCY		ODOT DISTRICT THREE OFFICE	
OF PLANNING AND ENGINEERING			
DATE	9/14	REVIEWED	DJV
STRUCTURE FILE NUMBER	8502455	DRAWN	KCK
		CHECKED	KRB
		REVISED	---
STRUCTURE DETAILS			
WAY -302-0.93 OVER US ROUTE 30			
WAY -BH- FY2015			
3	3		
32	36		

DESIGN FILE: \\projects\83453\structures\WAY-585-16.48 SFN 8506213\WAY-585-1648_8506213.dgn
WORKSTATION: foster DATE: 10/8/2014 MODELNAME: Design

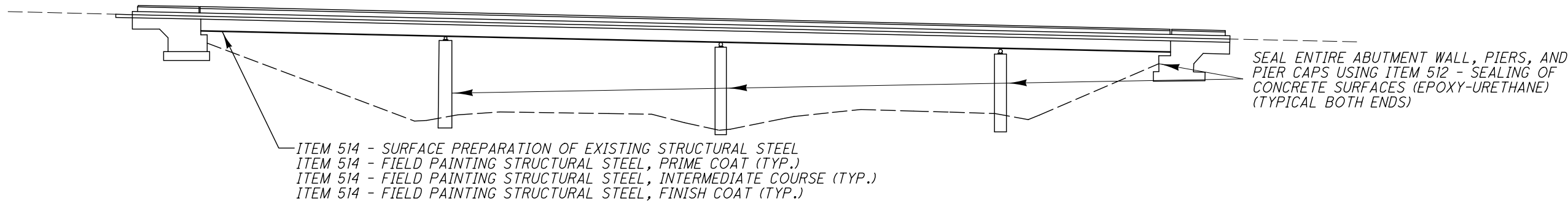


SEAL ENTIRE PARAPET, AND
UNDER DECK TO FASCIA BEAM
USING ITEM 512 - SEALING OF
CONCRETE SURFACES (EPOXY-URETHANE)
(TYPICAL BOTH SIDES OF DECK)

ITEM 516 - BEARING DEVICE,
ROCKER, REPLACE
BEARINGS AT BOTH FORWARD
AND REAR ABUTMENT.



PLAN VIEW



PROFILE ALONG CENTERLINE

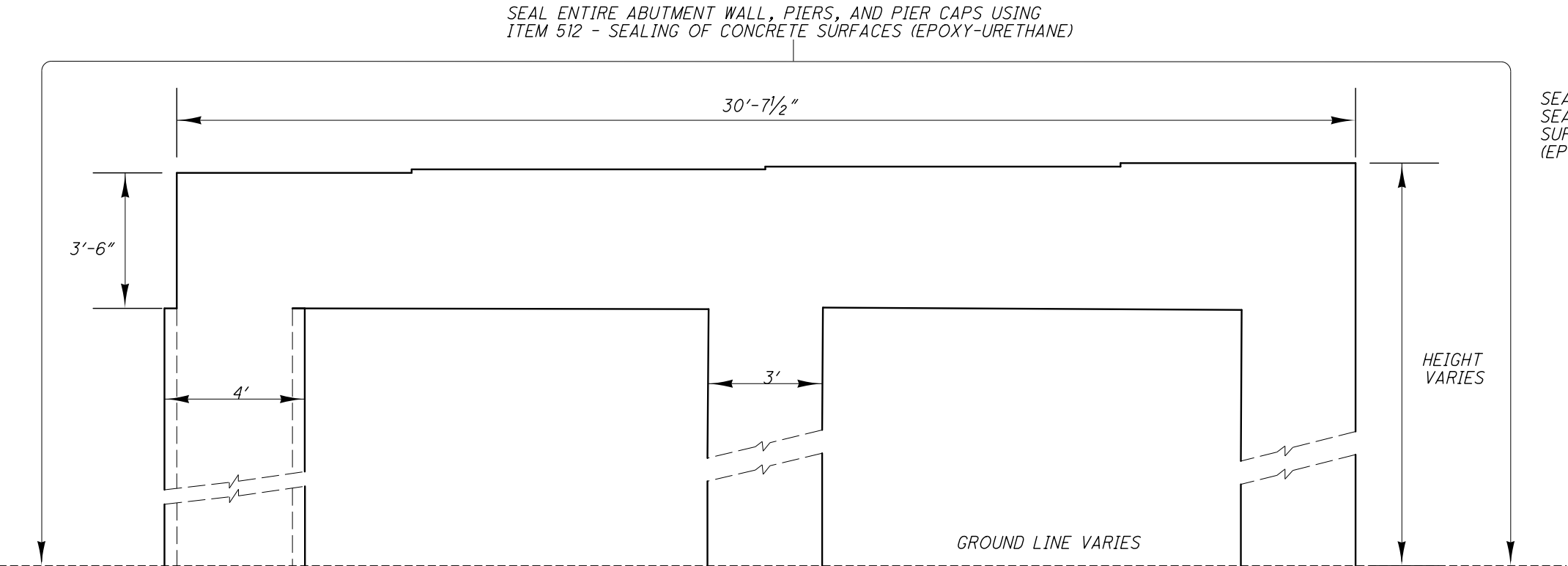
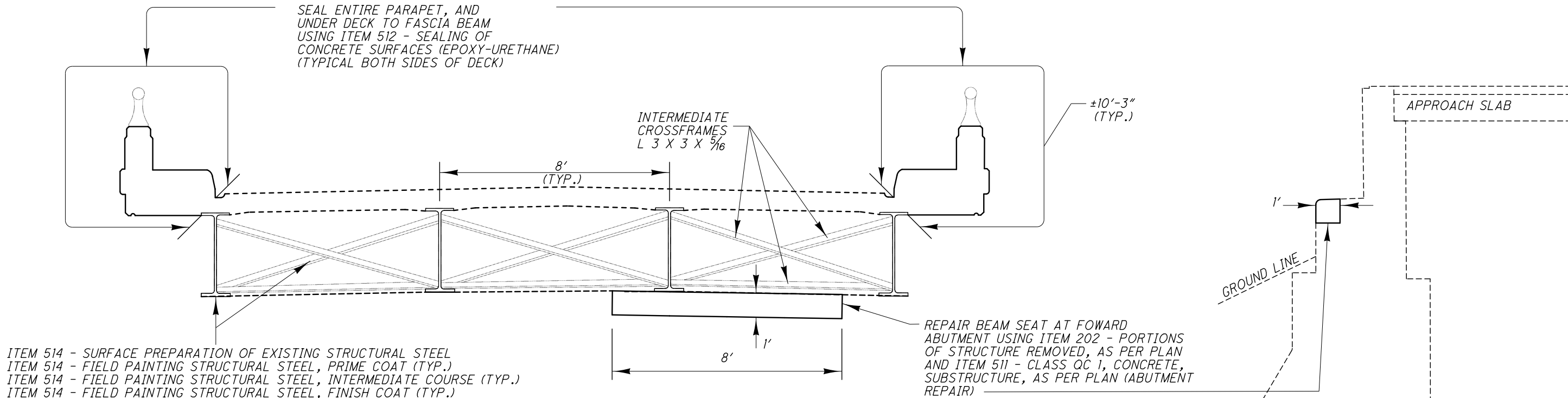
ITEM	QUANTITY	UNIT	DESCRIPTION
202	0.3	CY	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN
511	0.5	CY	CLASS QC 1, CONCRETE, SUBSTRUCTURE, AS PER PLAN (ABUTMENT REPAIR)
512	1070	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)
512	70	SY	REMOVAL OF EXISTING COATING FROM CONCRETE SURFACES
513	940	LB	STRUCTURAL STEEL MEMBERS, LEVEL 2, AS PER PLAN
514	10432	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL
514	10432	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT
514	10432	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT
514	10432	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT
514	16	MNHR	GRINDING FINS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL
514	10	EACH	FINAL INSPECTION REPAIR
516	8	EACH	BEARING DEVICE, ROCKER
516		LS	JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN

ALL QUANTITIES CARRIED TO GENERAL SUMMARY SHEET

NOTES:

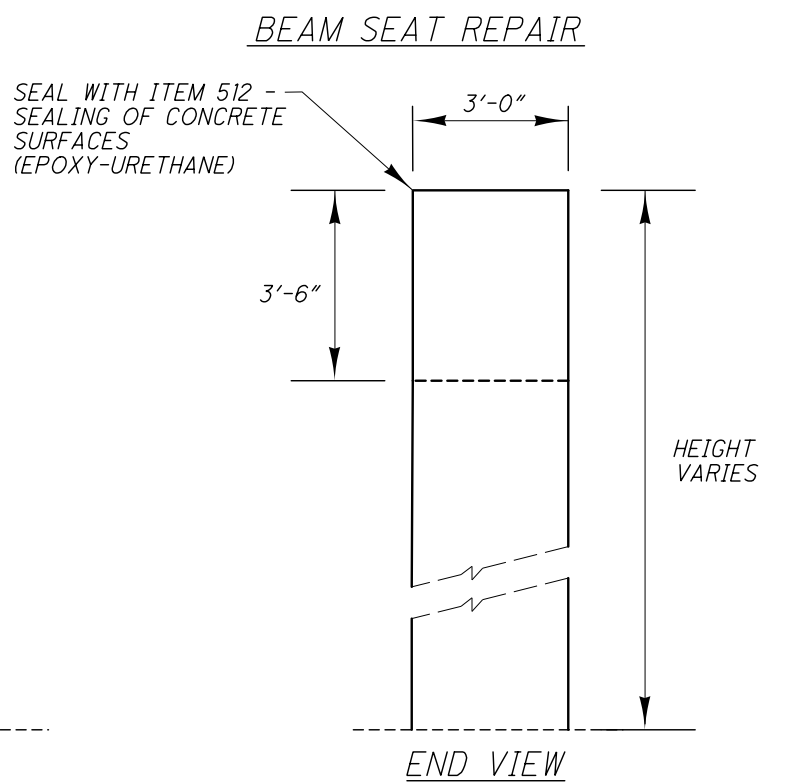
- 1) SEE SHEET 2/4 CONCRETE SEALING DETAILS.
- 2) SEE SHEET 3/4 FOR BEARING AND BEAM REPAIR DETAILS

DESIGN FILE: \\projects\83453\structures\WAY-585-16.48 SFN 8506213\WAY-585-1648_8506213.dgn
WORKSTATION: foster DATE: 10/8/2014 MODELNAME: Design



ITEM	QUANTITY	UNIT	DESCRIPTION
202	0.3	CY	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN
511	0.5	CY	CLASS QC 1, CONCRETE, SUBSTRUCTURE, AS PER PLAN (ABUTMENT REPAIR)
512	1070	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)
512	70	SY	REMOVAL OF EXISTING COATING FROM CONCRETE SURFACES
514	10432	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL
514	10432	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT
514	10432	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT
514	10432	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT
514	16	MNHR	GRINDING FINS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL
514	10	EACH	FINAL INSPECTION REPAIR

ALL QUANTITIES CARRIED TO THE STRUCTURE SHEET 1/4



NOTES:

ITEM 512 - SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)
SEAL ALL EXPOSED SUBSTRUCTURE CONCRETE TO INCLUDE ABUTMENTS, WINGWALLS, PIERS, PIER CAPS, AND ANY OTHER AREA AS DEEMED NECESSARY BY THE ENGINEER.

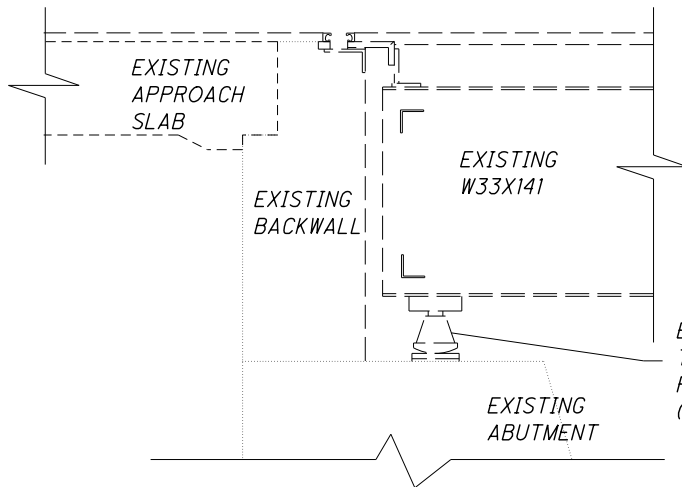
SEAL BOTH ENTIRE PARAPETS TO INCLUDE FRONT, TOP, AND BACK ALONG WITH THE DECK EDGE, AND UNDERSIDE OF THE DECK TO THE FLANGE OF THE FASCIA BEAM (COMPLETE ON BOTH SIDES OF STRUCTURE).

ITEM 514 - SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL
ITEM 514 - FIELD PAINTING STRUCTURAL STEEL PREPARE AND PAINT ALL EXPOSED STRUCUTRAL STEEL TO INCLUDE STEEL BEAMS, CROSSFRAMES, BEAM BEARINGS, AND ANY OTHER AREA AS DEEMED NECESSARY BY THE ENGINEER.

VANDAL FENCE AND GUARDRAIL NOT SHOWN

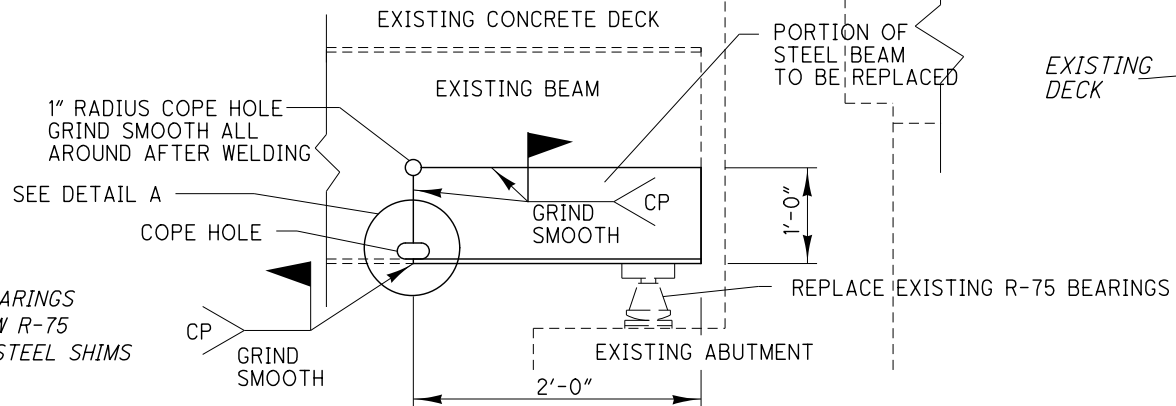
DESIGN AGENCY		ODOT DISTRICT THREE OFFICE OF PLANNING AND ENGINEERING	
DATE	9/14	REVIEWED	DJV
STRUCTURE FILE NUMBER	8506213	DRAWN	CAG
DESIGNED	CAG	CHECKED	KRB
STRUCTURE DETAILS		WAY - 585-1648 OVER SR 585	
WAY - BH - FY2015		2 / 4	
34		36	

DESIGN FILE: \\projects\83453\structures\WAY-585-1648 SFN 8506213\WAY-585-1648_8506213.dgn
WORKSTATION: foster DATE: 9/15/2014 MODELNAME: Design

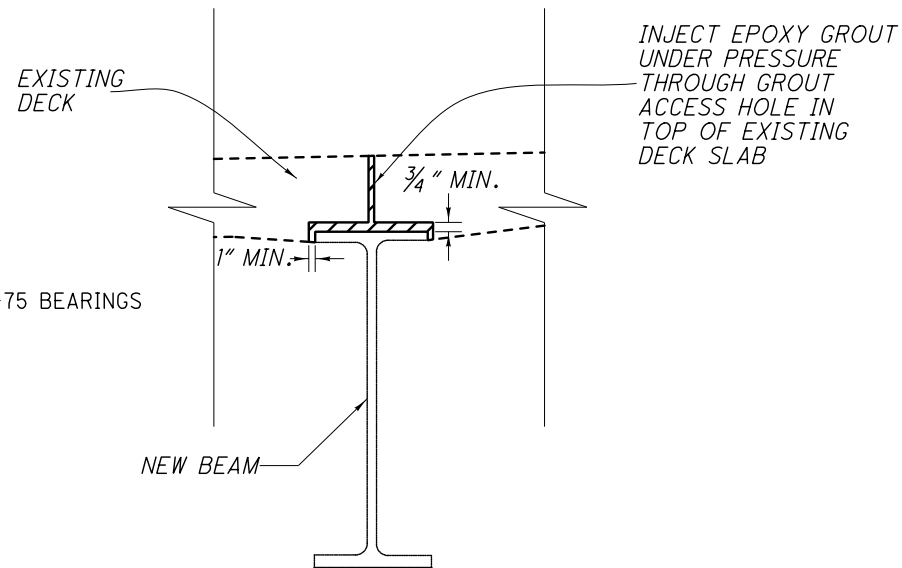


TYPICAL BEARING REPLACEMENT

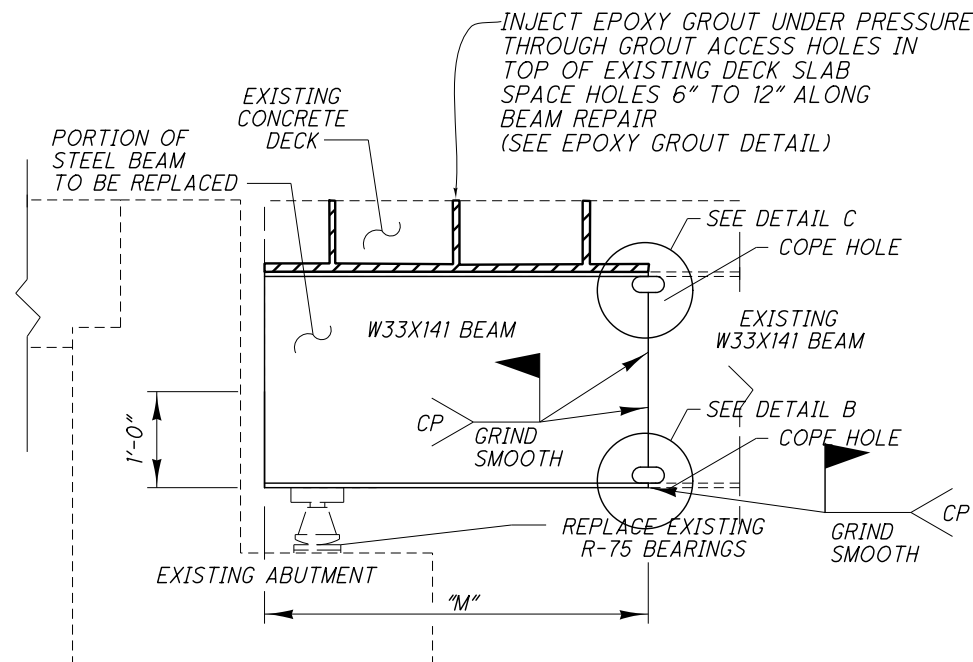
EXISTING R-75 ROCKER BEARINGS TO BE REPLACED WITH NEW R-75 ROCKERS AND STAINLESS STEEL SHIMS (BOTH ABUTMENTS)



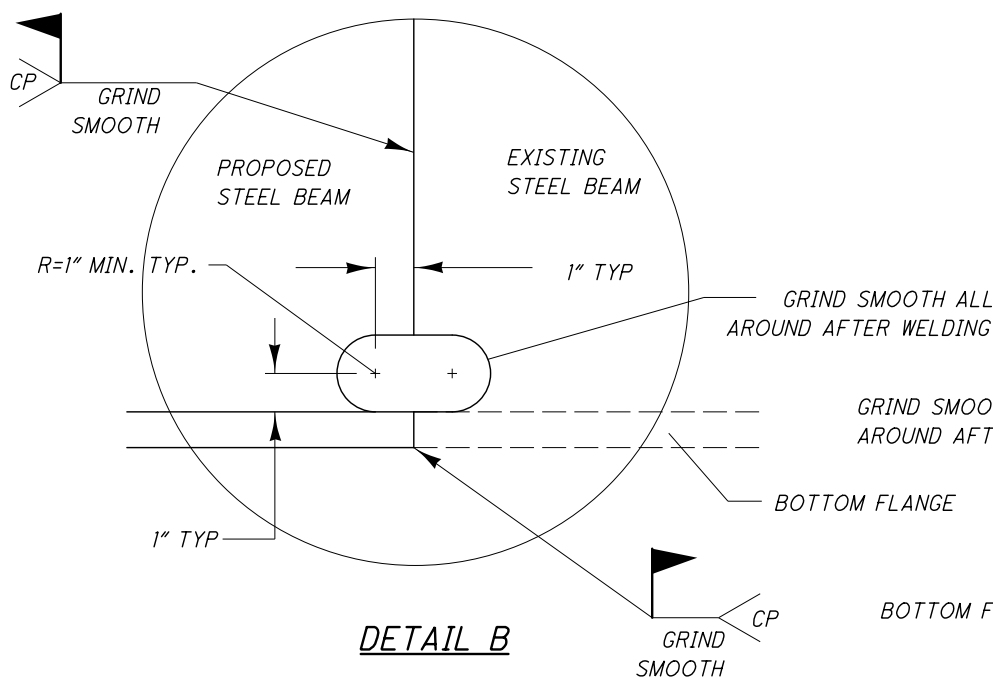
ELEVATION VIEW
BEAM REPAIR LOCATION B
BEAM REPAIR LOCATION C



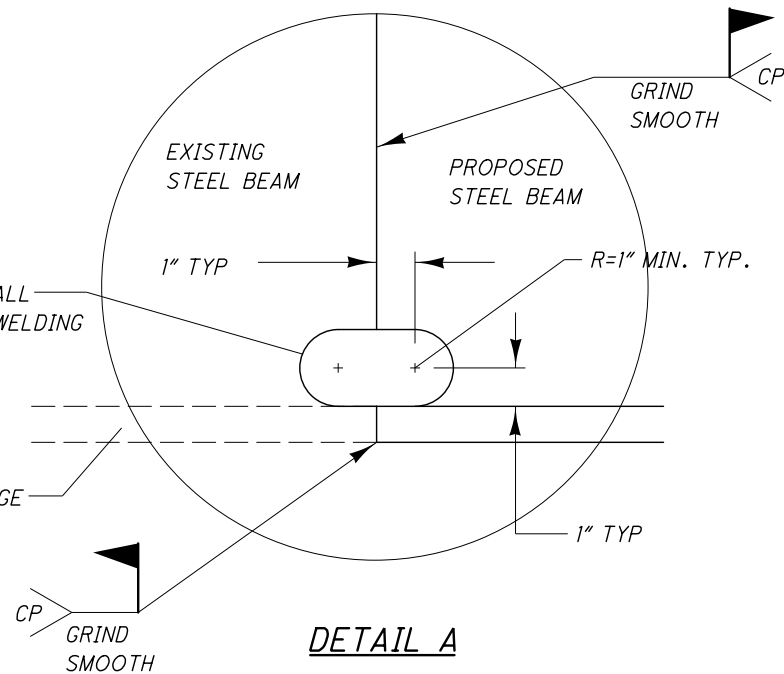
EPOXY GROUT DETAIL



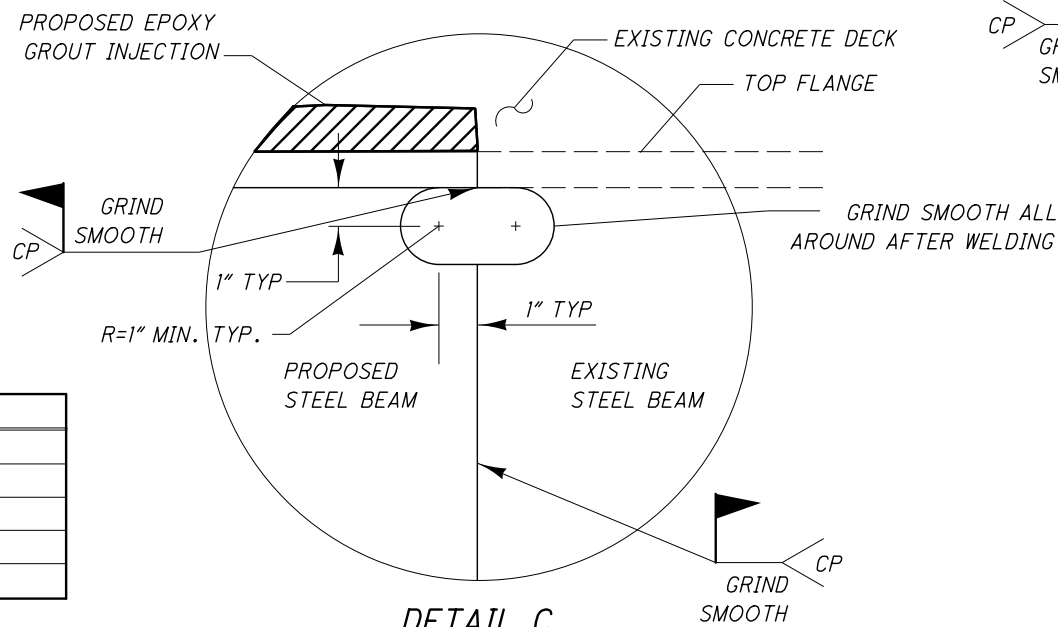
ELEVATION VIEW
BEAM REPAIR LOCATION A ("M" = 2' TO BE REPLACED)
BEAM REPAIR LOCATION D ("M" = 3' TO BE REPLACED)



DETAIL B



DETAIL A



DETAIL C

NOTES:

ALL EXISTING ABUTMENT ROCKERS SHALL BE REPLACED WITH NEW R-75 ROCKERS. SEE STANDARD DRAWING RB-1-55 FOR DETAILS. ALL SHIMS SHALL BE STAINLESS STEEL, AISI 400 SERIES, AS PER ASTM DESIGNATION A240. THE CENTERLINE OF THE BEARING SHALL BE 1'-0" IN FRONT OF THE FACE OF THE BACKWALL.

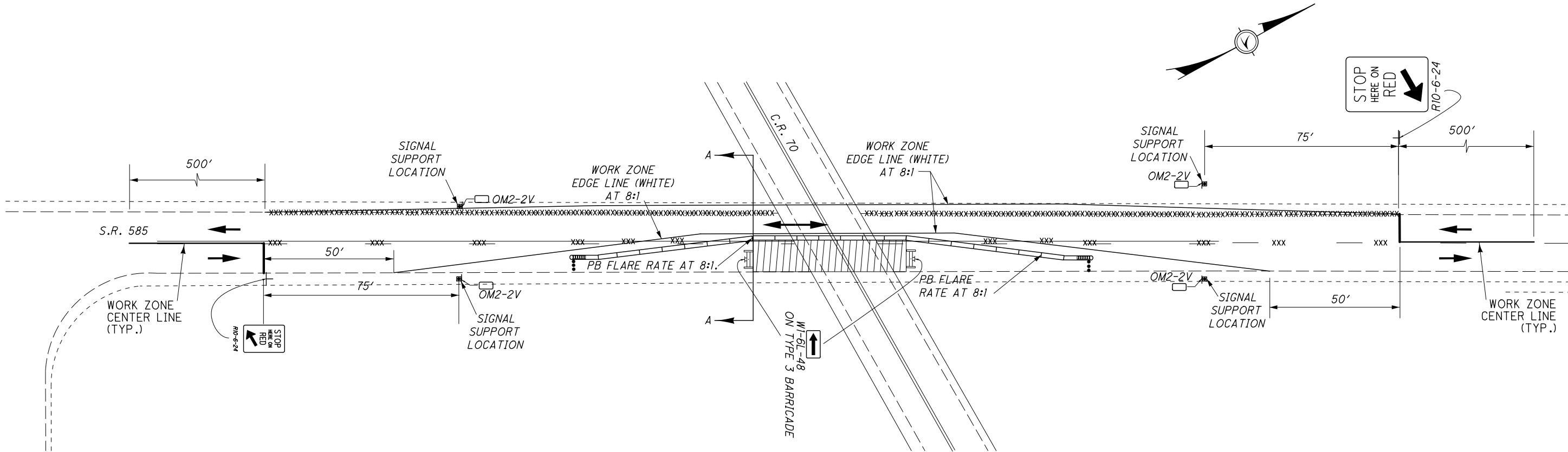
ITEM	QUANTITY	UNIT	DESCRIPTION
513	940	LB	STRUCTURAL STEEL MEMBERS, LEVEL 2, AS PER PLAN
516	8	EACH	BEARING DEVICE, ROCKER
516		LS	JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN

ALL QUANTITIES CARRIED TO STRUCTURE SHEET 1/4

NOTES FOR BEAM WORK:

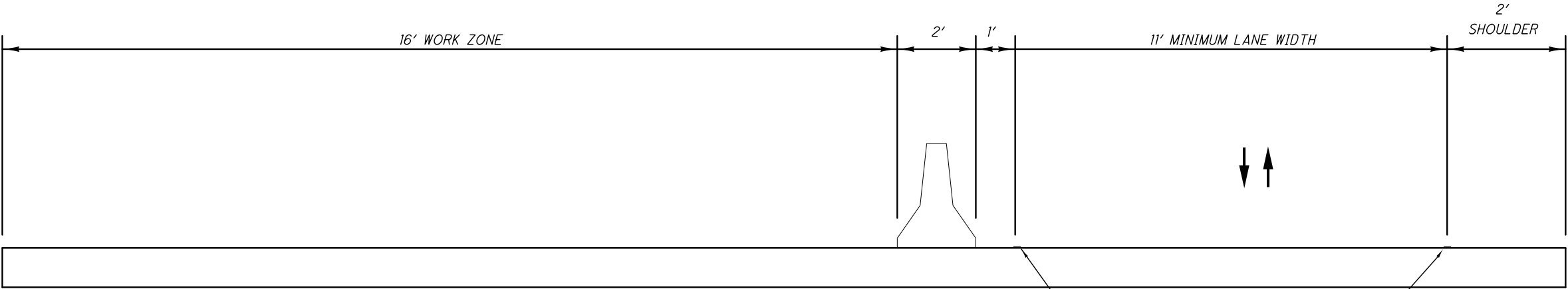
- 1) REMOVE PORTION OF STEEL BEAM USING ITEM 202
- 2) PROPOSED ROLLED BEAM SECTION SHALL CLOSELY MATCH EXISTING ROLLED BEAM SECTION
- 3) COPE HOLES SHALL REMAIN OPEN
- 4) REPLACE BEARING AT EACH BEAM REPAIR AREA.
- 5) ALL ABUTMENT BEARINGS ARE R-75 ROCKER BEARINGS. SEE STANDARD DRAWING RB-1-55 FOR DETAILS.

DESIGN FILE: \\projects\83453\structures\WAY-585-16.48 SFN 8506213\WAY-585-1648_8506213.dgn
WORKSTATION: fofoster DATE: 9/15/2014 MODELNAME: Design



PLAN VIEW
PHASE 1 SHOWN
PHASE 2 SIMILAR

LEGEND	
WORK AREA	
DRUMS/CONES	
REMOVE EXISTING MARKINGS	
DIRECTION OF TRAVEL	
CRASH ATTENUATOR	
TYPE 3 BARRICADE	
ARROW BOARD	
PORTABLE BARRIER	



SECTION A-A

ITEM	QUANTITY	UNIT	DESCRIPTION
614	4	EACH	WORK ZONE IMPACT ATTENUATOR, (UNIDIRECTIONAL)
614	10	EACH	BARRIER REFLECTOR, TYPE B2
614	11	EACH	OBJECT MARKER, TWO WAY
614	0.19	MILE	WORK ZONE CENTER LINE, CLASS I, 740.06, TYPE I
614	0.3	MILE	WORK ZONE EDGE LINE, CLASS I, 740.06, TYPE I
614	22	FT	WORK ZONE STOP LINE, CLASS I, 740.06, TYPE I
622	460	FT	PORTABLE BARRIER, 32"

ALL QUANTITIES CARRIED TO THE MOT SUB-SUMMARY

NOTES:

- 1) THE EXISTING BRIDGE RAILING AND VANDAL FENCE IS NOT SHOWN IN THE PLAN VIEW.
2) FOR ADDITIONAL DETAILS, SEE SCDS MT-96.11, MT-96.20 AND MT-96.26.

SIGNAL TIMING

A TWO PHASE CONTROLLER WITH CABINET
CAPABLE OF BEING SET WITH THE
FOLLOWING SPLITS SHALL BE FURNISHED

CYCLE LENGTH: 180 SECONDS

	GREEN	AMBER	RED
PHASE A	70	5	15
PHASE B	70	5	15

THE ABOVE TIMING MAYBE CHANGED
WITH THE APPROVAL OF THE ENGINEER.

DESIGN AGENCY	ODOT DISTRICT THREE OFFICE OF PLANNING AND ENGINEERING	
	DATE	9/14
	REVIEWED	DJV
	DRAWN	MKP
STRUCTURE DETAILS	STRUCTURE FILE NUMBER	8506213
	CHECKED	KRB
	DESIGNED	MKP
	REVISION	CAG
WAY-BH-FY2015		
WAY-585-1648 OVER SR 585		
4 / 4		
36 36		