

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
WAY-301-0.00

**CHESTER TOWNSHIP
CONGRESS TOWNSHIP
WAYNE COUNTY**

PROJECT DESCRIPTION

THIS PROJECT IS 3.79 MILES LONG AND WILL INCLUDE PAVEMENT REPAIRS, RESURFACING WITH ASPHALT CONCRETE, GUARDRAIL RECONSTRUCTION, PLACEMENT OF PAVEMENT MARKINGS AND STRUCTURE MAINTENANCE.

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)

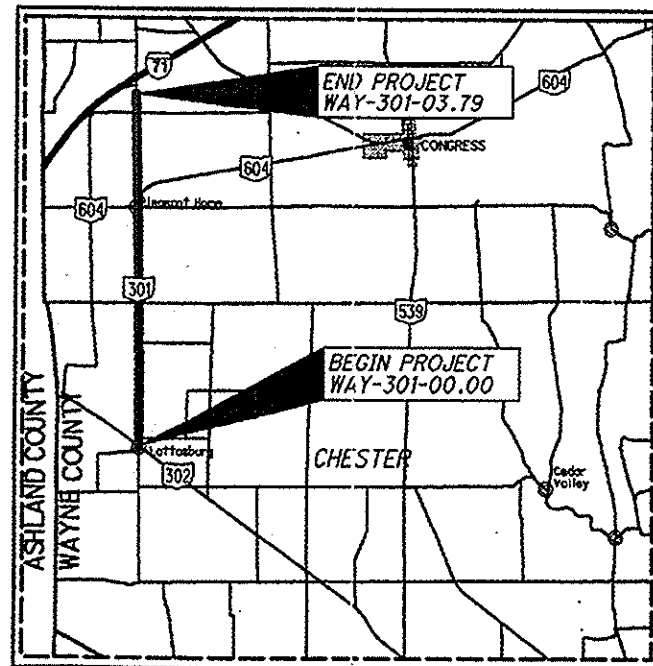
2013 SPECIFICATIONS

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 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.

APPROVED: 
DATE 9-11-13 DISTRICT DEPUTY DIRECTOR

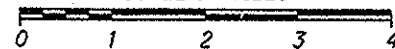
APPROVED: 
DATE 9-26-13 DIRECTOR, DEPARTMENT OF TRANSPORTATION



LOCATION MAP

LATITUDE: N 40° 54' 23" LONGITUDE: W 82° 06' 31"

SCALE IN MILES



PORTION TO BE IMPROVED: _____
INTERSTATE & DIVIDED HIGHWAY: _____
UNDIVIDED STATE & FEDERAL ROUTES: _____
OTHER ROADS: _____

DESIGN DESIGNATION

SEE SHEET 2

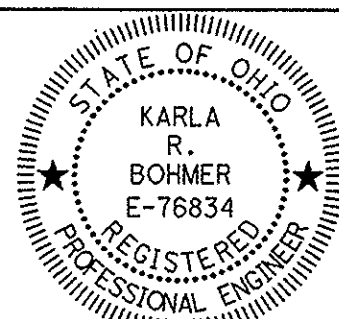
DESIGN EXCEPTIONS

NONE

INDEX OF SHEETS:

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ENGINEER'S SEAL:



SIGNED: Karla R. Bohmer
DATE: 9/11/13

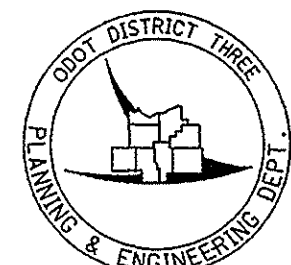
STANDARD CONSTRUCTION DRAWINGS

STANDARD CONSTRUCTION DRAWINGS	SUPPLEMENTAL SPECIFICATIONS
BP-3.1 4/20/12 MT-96.11 7/19/13 TC-41.20 1/19/01	800 10/18/13
BP-4.1 7/19/13 MT-96.20 7/19/13 TC-42.20 1/21/11	830 4/20/12
MT-96.26 7/19/13 TC-52.10 1/18/13	832 5/5/09
DM-4.3 7/19/13 MT-97.10 7/19/13 TC-52.20 1/18/13	
DM-4.4 7/20/12 MT-97.12 7/19/13 TC-61.30 4/20/12	
MT-99.20 7/19/13 TC-65.10 4/20/12	
RM-1.1 1/18/13 MT-101.90 10/19/12 TC-65.11 4/20/12	
MT-105.10 7/20/12 TC-71.10 10/19/12	
MGS-1.1 7/19/13 TC-73.10 4/20/12	
MGS-2.1 7/19/13	
MGS-4.2 7/19/13	
MGS-4.3 1/18/13	

SPECIAL PROVISIONS

UNDERGROUND UTILITIES
CONTACT BOTH SERVICES
CALL TWO WORKING DAYS
BEFORE YOU DIG
CALL 1-800-362-2764
(TOLL FREE)
OHIO UTILITIES PROTECTION SERVICE
NON-MEMBERS
MUST BE CALLED DIRECTLY
OIL & GAS PRODUCERS PROTECTIVE
SERVICE CALL: 1-800-925-0988

PLANS PREPARED BY:



FEDERAL PROJECT NO.
E120686

PID NO.
93099

CONSTRUCTION PROJECT NO.
NONE

RAILROAD INVOLVEMENT
NONE

WAY-301-0.00

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WAY-301-0284 SFN 8505020 (02/ STR/ BR)

ITEM	EXTENSION	QUANTITY	UNIT	DESCRIPTION	REFERENCE SHEET
202	11301	1	CU YD	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN	30
202	98200	74	FT	REMOVAL MISC.: JOINT SEALER	30
511	34410	1	CU YD	CLASS QC2 CONCRETE, SUPERSTRUCTURE (REPAIR)	
516	31000	74	FT	JOINT SEALER	

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33

WAY - 301 - 0.00

STRUCTURE SUMMARY

DESIGNED KRB	DRAWN KRB	REVIEWED DUJ	DATE 8-30-13	DESIGN AGENCY ODOT DISTRICT THREE OFFICE OF PLANNING & ENGINEERING
CHECKED ADB				

BRIDGE DECK DATA									ROADWAY DATA		
	COUNTY, ROUTE, BRIDGE NO.	LOCATION	STRUCTURE TYPE	LENGTH (BRIDGE DECK)	WIDTH	BRIDGE DECK AREA	SKEW	EXISTING WEARING SURFACE	EXISTING PAVEMENT WIDTH	EXISTING APPROACH SLAB WIDTH	EXISTING APPROACH SLAB LENGTH
				FT.	FT.	SQ. YD.			FT.	FT.	FT.
	*WAY-301-0117	OVER SMALL CREEK	13'-5" X 8'-5" CORRUGATED METAL PIPE ARCH				30° R.F.	ASPHALT	24		
	*WAY-301-0252	OVER TRIB. OF MUDDY FORK CREEK	14' X 7' 3-SIDED PRECAST CULVERT				0°	ASPHALT	22		
	**WAY-301-0284	OVER BRANCH OF MUDDY FORK CREEK	SINGLE SPAN PRESTRESSED BEAM	43'-2"±	32'-0"±	154	30° R.F.	ASPHALT	24	32	20

* PAVE OVER STRUCTURE (SEE ROADWAY PLANS FOR PAVING QUANTITIES).

** TAPER THE PLANING FROM 0" TO 2" DEEP IN 100' AT THE APPROACH TO THE APPROACH SLABS.
PLANE 2" DEEP ON APPROACH SLABS, BUTT JOINT AT BRIDGE DECK, OMIT RESURFACING OVER BRIDGE
DECK. PAVE APPROACH SLABS WITH 1 1/4" SURFACE COURSE AND 3/4" INTERMEDIATE COURSE. (SEE DETAILS
IN THE PLAN FOR STRUCTURE WORK). (SEE ROADWAY PLANS FOR PAVING AND PLANING QUANTITIES).

DESIGN SPECIFICATIONS:

THIS STRUCTURE CONFORMS TO "STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 2002, INCLUDING THE 2003, 2004, 2005 AND 2006 SPECIFICATIONS AND THE ODOT BRIDGE DESIGN MANUAL.

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 AND 105.02.

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-301-0117	WAY-301-(1.09)(2.03)	1972
WAY-301-0252	WAY-301-2.51 PART II	1992
WAY-301-0284	WAY-301-2.76	1990

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 AREA.

PLACING ASPHALT CONCRETE ON APPROACHES TO BRIDGES:

SPECIAL CARE SHALL BE TAKEN WHEN PLACING THE ASPHALT CONCRETE BUTT JOINT TO EFFECT A SMOOTH TRANSITION FROM THE EXISTING APPROACH PAVEMENT TO THE BRIDGE DECK, THE CONTRACTOR'S ATTENTION IS CALLED TO STANDARD DRAWING BP-3.1 FOR REQUIRED TOLERANCES.

DESIGN DATA:

CONCRETE CLASS QC2 - COMPRESSIVE STRENGTH 4,500 PSI

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 FOR THIS PROJECT AND NO IN-STREAM WORK IS ALLOWED.

SHOULD WORK (EITHER TEMPORARY OR PERMANENT) IN THE STREAM IS 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

USAGE 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; SHELIVING; 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 - REMOVAL MISC.: JOINT SEALER:

THIS ITEM SHALL BE USED TO REMOVE ANY EXISTING JOINT SEALER LOCATED BETWEEN THE APPROACH SLAB AND THE BACKWALL.

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

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.

DESIGN FILE: \\projects\93099\structures\93099GN001.dgn
WORKSTATION:ksalay DATE:9/13/2013

ITEM 614 - MAINTAINING TRAFFIC FOR STRUCTURE WAY-301-0284:

TWO WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES EXCEPT THAT THROUGH TRAFFIC ON STRUCTURE WAY-301-0284 SHALL HAVE A SIGNALIZED CLOSURE AS SHOWN ON THE NEXT SHEET FOR A MAXIMUM OF 21 CONSECUTIVE CALENDAR DAYS (TOTAL BOTH PHASES). THE 21 CONSECUTIVE DAYS SHALL BE CONSIDERED AS AN INTERIM COMPLETION DATE (SECTION 108) AND FOR EACH CALENDAR DAY BEYOND THE 21 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.

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:

JOYCE MILLER
PUBLIC INFORMATION OFFICER
ODOT DISTRICT 3
906 CLARK AVENUE
ASHLAND, OH 44805
PHONE 419-207-7181

IN ADDITION, THE TEMPORARY TRAFFIC SIGNAL SHALL BE ACTIVATED PER THE REQUIREMENTS OF ODOT SCD MT-120.00. THE TEMPORARY TRAFFIC SIGNAL SHALL OPERATE IN FLASH MODE FIVE (5) TO SEVEN (7) DAYS PRIOR TO ACTIVATING TO STOP-AND-GO OPERATION. SIGNAL ACTIVATION SHALL NOT OCCUR ON WEEKENDS, MONDAYS, FRIDAYS, OR ANY DAY IMMEDIATELY BEFORE OR AFTER A STATE OBSERVED HOLIDAY.

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

ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN:

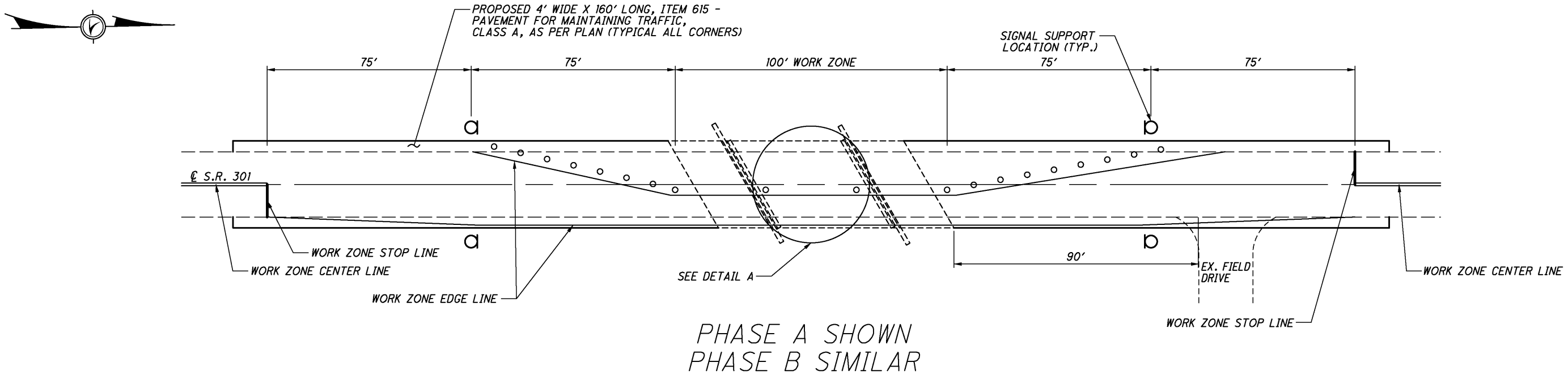
THE PAVEMENT FOR MAINTAINING TRAFFIC SHALL BE LEFT IN PLACE.

SAWCUTTING SHALL BE INCLUDED IN ITEM 615 TO CREATE A CLEAN STRAIGHT PAVEMENT EDGE.

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

31 33	WAY - 301 - 0.00		STRUCTURE NOTES				DESIGNED	DRAWN	REVIEWED	DATE	ODOT DISTRICT THREE OFFICE OF PLANNING & ENGINEERING	
							KRB	KRB	DJV	8-30-13		
							CHECKED	REVISED				
							ADB					

DESIGN FILE: I:\projects\93099\structures\93099MOTO01.dgn
WORKSTATION: ksdlay DATE: 9/13/2013



SIGNAL TIMING

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

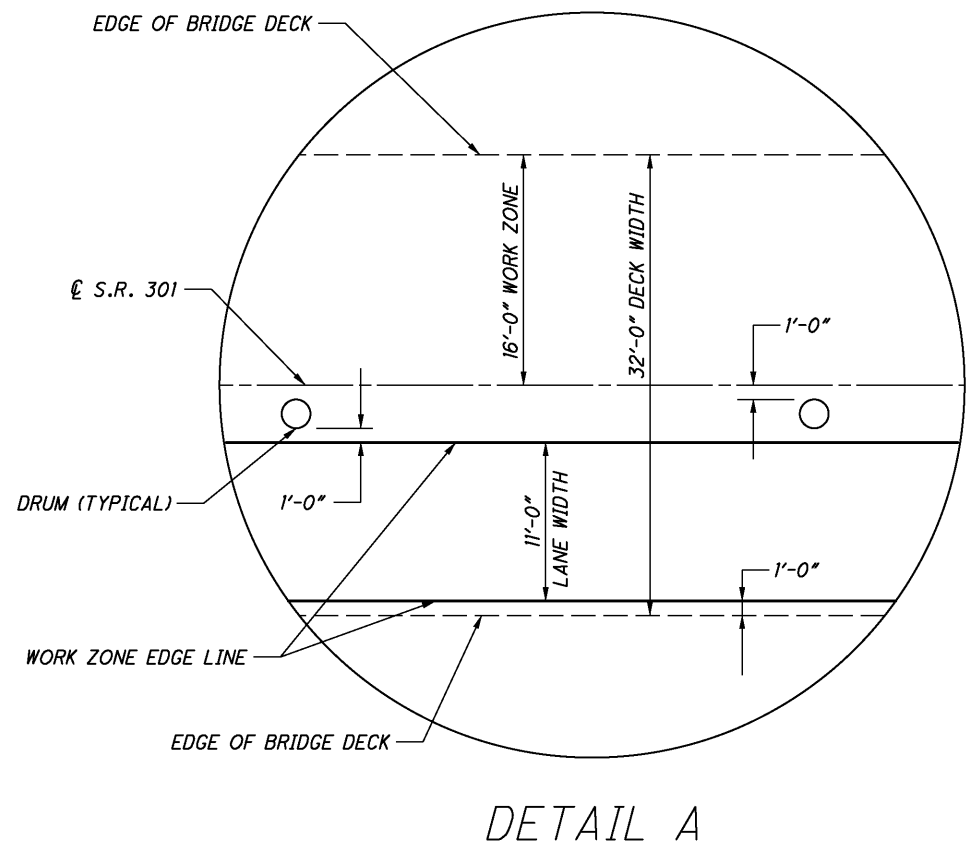
CYCLE LENGTH: 60 SECONDS

	GREEN	AMBER	RED
PHASE A	15	5	10
PHASE B	15	5	10

THE ABOVE TIMING MAY BE CHANGED WITH THE
APPROVAL OF THE ENGINEER.

ESTIMATED QUANTITIES (01/STR/PV)			
ITEM	QUANTITY	UNIT	DESCRIPTION
614	13	EACH	BARRIER REFLECTOR, TYPE A2
614	0.06	MILE	WORK ZONE CENTER LINE, CLASS I, 740.06, TYPE I
614	0.26	MILE	WORK ZONE EDGE LINE, CLASS I, 740.06, TYPE I
614	24	FT	WORK ZONE STOP LINE, CLASS I, 740.06, TYPE I
615	LUMP		ROADS FOR MAINTAINING TRAFFIC
615	285	SQ YD	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN

ALL QUANTITIES CARRIED TO THE GENERAL SUMMARY.



NOTES:

- 1) THE EXISTING BRIDGE RAILING IS NOT SHOWN IN THE PLAN VIEW.
- 2) STEEL PLATES SHALL BE PLACED OVER THE CONCRETE REPAIR AREAS
ONCE THE EXISTING CONCRETE IS REMOVED AND UNTIL THE CONCRETE IS CURED.
- 2) FOR ADDITIONAL DETAILS, SEE SCDS MT-96.11, MT-96.20 AND MT-96.26.

DESIGN AGENCY
ODOT DISTRICT THREE OFFICE
OF PLANNING & ENGINEERING

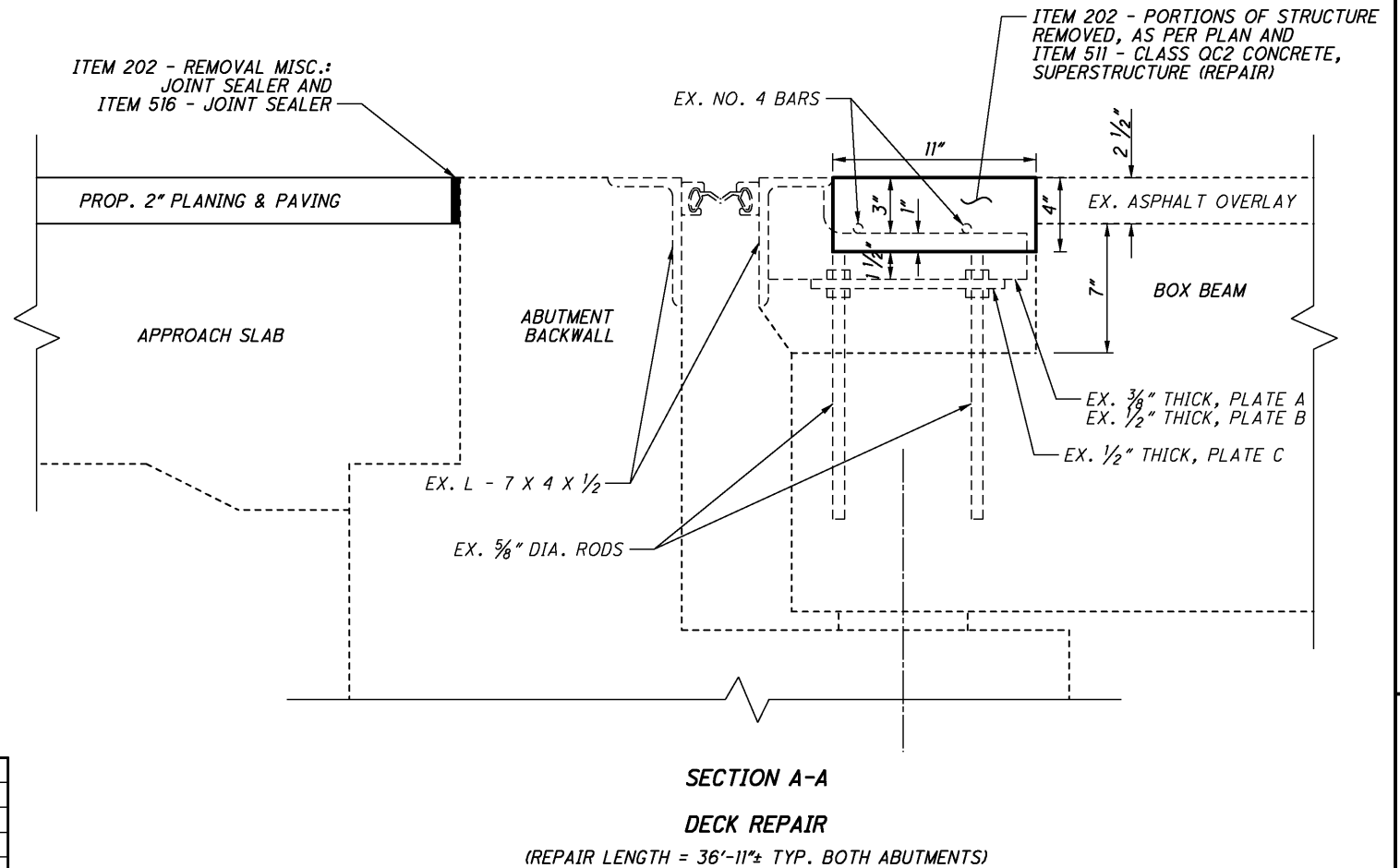
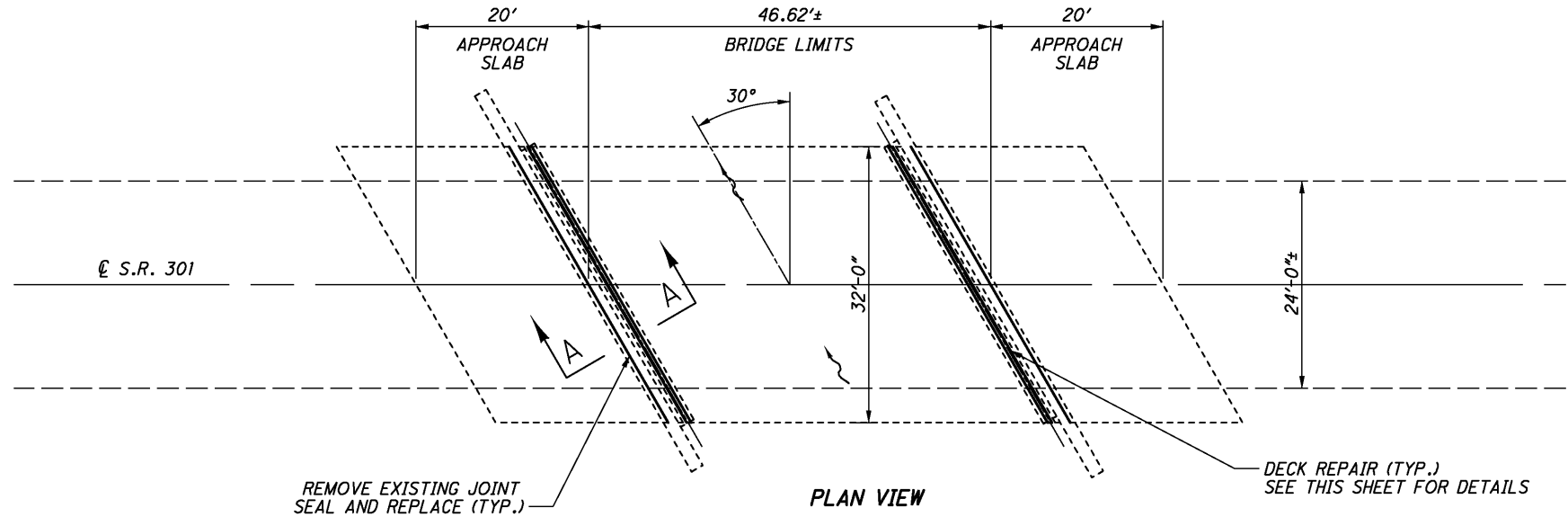
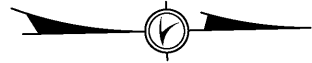
DATE
8-30-13
REVIEWED
DJV
STRUCTURE FILE NUMBER
8505020

DRAWN
KRB
REVIS
KRB
CHECKED
ADB

MAINTENANCE OF TRAFFIC PLAN
WAY-301-0284
S.R. 301 OVER BRANCH OF MUDDY FORK

WAY-301-0.00

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NOTES:

- 1) THE EXISTING GUARDRAIL IS NOT SHOWN.
- 2) THE EXISTING EXPANSION JOINT, EXISTING PLATES AND EXISTING REINFORCING STEEL SHALL BE PRESERVED IN THE DECK REPAIR AREA.

ESTIMATED QUANTITIES			
ITEM	QUANTITY	UNIT	DESCRIPTION
202	1	CU YD	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN
202	74	FT	REMOVAL MISC.: JOINT SEALER
511	1	CU YD	CLASS QC2 CONCRETE, SUPERSTRUCTURE (REPAIR)
516	74	FT	JOINT SEALER

ALL QUANTITIES CARRIED TO THE STRUCTURE SUMMARY.