

STATE OF OHIO  
DEPARTMENT OF TRANSPORTATION

# MAD-29-10.61

## JEFFERSON TOWNSHIP MADISON COUNTY

**PROJECT DESCRIPTION**

REPLACEMENT OF BRIDGE DECK ON MAD-29-1061 OVER I-70, RECONSTRUCTION OF APPROACH ROADWAY, FULL DEPTH PAVEMENT REPLACEMENT ON RAMP B, AND DITCH CLEANOUT ALONG SNYDER LANE.

**EARTH DISTURBED AREA**

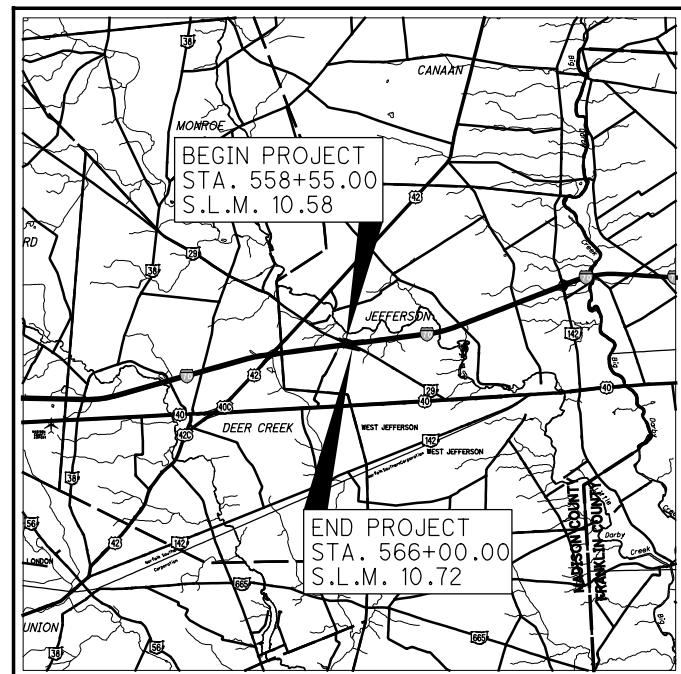
PROJECT EARTH DISTURBED AREA: 1.72\*  
ESTIMATED CONTRACTOR EARTH DISTURBED AREA: 0.25\*  
NOTICE OF INTENT (NOI) EARTH DISTURBED AREA: N/A\*  
\* MAINTENANCE PROJECT

**LIMITED ACCESS**

THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR IN ACCORDANCE WITH THE PROVISIONS OF SECTION 5511.02 OF THE OHIO REVISED CODE.

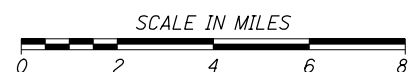
**2019 SPECIFICATIONS**

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



LOCATION MAP

LATITUDE: 39°57'35" LONGITUDE: 83°20'40"



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

**DESIGN DESIGNATION**

CURRENT ADT (2017)	-----	3,400
DESIGN YEAR ADT (2029)	-----	4,200
DESIGN HOURLY VOLUME (2029)	-----	500
DIRECTIONAL DISTRIBUTION	-----	59%
TRUCKS (24 HOUR B&C)	-----	13%
DESIGN SPEED	-----	60 MPH
LEGAL SPEED	-----	55 MPH
DESIGN FUNCTIONAL CLASSIFICATION	-----	05 MAJOR COLLECTOR (RURAL)
NHS PROJECT	-----	NO

**DESIGN EXCEPTIONS**

NONE REQUIRED

**UNDERGROUND UTILITIES**  
Contact Two Working Days Before You Dig

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

PLAN PREPARED BY:

**PARSONS**

100 E. Campus View Blvd., Suite 250 • Columbus, Ohio 43235

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**ENGINEERS SEAL:**

FOR STRUCTURES OVER 20 FOOT SPAN

SIGNED: *Robert W. Ballard III*  
DATE: 5/1/2020

**ENGINEERS SEAL:**

FOR ENTIRE PLAN EXCEPT STRUCTURES OVER 20 FOOT SPAN

SIGNED: *Giovanni Furio*  
DATE: 5/1/2020

STANDARD CONSTRUCTION DRAWINGS						SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
BP-1.1	7/28/00	MGS-1.1	1/19/18	AS-1-15	7/17/15	MT-95.30	800 7/17/20
BP-2.1	7/17/15	MGS-2.1	1/19/18	AS-2-15	1/18/19	MT-95.45	831 10/21/16
BP-2.2	7/18/08	MGS-3.1	1/19/18	GSD-1-19	1/18/19	MT-98.29	832 10/19/18
BP-2.3	7/18/14	MGS-4.3	1/18/13	SBR-1-13	7/20/18	MT-101.00	846 4/17/15
BP-2.4	7/19/13	MGS-5.2	7/15/16	VPF-1-90	7/20/18	MT-101.70	1/17/20
BP-2.5	7/19/13	MGS-5.3	7/15/16	SICD-1-96	7/18/14	MT-101.75	1/17/20
BP-3.1	1/17/20	MGS-6.1	1/19/18	SICD-2-14	7/18/14	MT-101.90	7/21/17
BP-6.1	7/19/13					MT-105.10	1/17/20
DM-1.1	7/21/17					TC-52.10	10/18/13
DM-1.2	1/18/13					TC-61.30	7/19/19
DM-4.1	7/20/18					TC-65.10	1/17/14
DM-4.2	7/20/12					TC-65.11	7/21/17
DM-4.3	1/15/16					TC-72.20	7/20/18
DM-4.4	1/15/16						

PLAN CERTIFIED AS TO COMPLETENESS AND QUALITY

*Robert W. Ballard III* 5/1/2020  
SIGNATURE DATE

PARSONS SENIOR ENGINEERING MANAGER  
FIRM TITLE

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY EXCEPT AS NOTED ON SHEETS 9-10, AND THAT DETOURS WILL BE PROVIDED AS INDICATED ON THE PLANS.

APPROVED: *Matthew R. Bluff*  
DATE: 6/18/2020 DISTRICT DEPUTY DIRECTOR

APPROVED: \_\_\_\_\_  
DATE: \_\_\_\_\_ DIRECTOR, DEPARTMENT OF TRANSPORTATION

FEDERAL PROJECT NO. E170 (753)  
CONSTRUCTION PROJECT NO. 104867  
RAILROAD INVOLVEMENT NONE  
MAD-29-10.61  
1/76

09/27/20 09/18/20  
GF GF  
DATE COMPLETED  
REV. BY DATE DESCRIPTION  
MT-95.45 & MT-101.70 ADDED  
SS892 REMOVED  
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**COORDINATION WITH ADJACENT PROJECTS**

THE CONTRACTOR SHALL COORDINATE WORK WITH ODOT AND THE CONTRACTORS ON THE ADJACENT PROJECTS. COORDINATION SHALL BE MADE TO PREVENT CONFLICTING ADVANCE WARNING SIGNS, CONFLICTING DETOUR ROUTES, OVERLAPPING / CONFLICTING LANE CLOSURES AND TO ENSURE THAT A MINIMUM DISTANCE OF 2 MILES BETWEEN ADJACENT LANE CLOSURES. THIS IS NOT AN EXHAUSTIVE LIST OF COORDINATION ITEMS THAT MAY NEED TO BE RESOLVED BETWEEN PROJECTS. THE DEPARTMENT RESERVES THE RIGHT TO DECIDE WHICH PROJECT'S ACTIVITIES TAKE PRECEDENCE. PROJECTS THAT HAVE ACTIVITIES DELAYED DUE TO CONFLICTS MAY BE EXCUSABLE BUT SHALL NOT BE COMPENSABLE. PROJECTS THAT HAVE ACTIVITIES DELAYED DUE TO CONFLICTS WHERE THE CONTRACTOR FAILED TO MEET THE NOTIFICATION REQUIREMENTS, THE DELAYS SHALL NOT BE EXCUSABLE OR COMPENSABLE.

PROJECTS: MAD-70-8.62 PID 107109, MAD-29-7.02 PID 98177

**REMOVAL OF LOGO SIGNS**

LOGO SIGNS (WHICH INCLUDE ESTABLISHMENTS FOR GAS, FOOD, LODGING, CAMPING, AND ATTRACTIONS) ARE THE PROPERTY OF OHIO LOGOS, INC. AND ARE NOT TO BE REMOVED OR REPLACED BY ODOT STAFF OR BY CONTRACTORS WORKING FOR ODOT. THE CONTRACTOR SHALL NOTIFY OHIO LOGOS (TOLL-FREE 1-800-860-LOGO) AT LEAST THIRTY DAYS PRIOR TO THE DATE OF DESIRED REMOVAL.

**DUST CONTROL**

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

ITEM 616, WATER 1 M. GAL.

**ITEM 614, PORTABLE CHANGEABLE MESSAGE SIGNS, AS PER PLAN**

THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND REMOVE, WHEN NO LONGER NEEDED, A CHANGEABLE MESSAGE SIGN. THE SIGN SHALL BE OF A TYPE SHOWN ON A LIST OF APPROVED PCMS UNITS AVAILABLE ON THE (OFFICE OF MATERIALS MANAGEMENT WEB PAGE). THE LIST CONTAINS CLASS A AND B UNITS WITH MINIMUM LEGIBILITY DISTANCES OF 650 FEET AND 475 FEET, RESPECTIVELY.

EACH SIGN SHALL BE TRAILER-MOUNTED AND EQUIPPED WITH A FUNCTIONAL DIMMING MECHANISM, TO DIM THE SIGN DURING DARKNESS, AND A TAMPER AND VANDAL PROOF ENCLOSURE. EACH SIGN SHALL BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION INSTRUCTIONS TO ENABLE ON-SITE PERSONNEL TO OPERATE AND TROUBLESHOOT THE UNIT. THE SIGN SHALL ALSO BE CAPABLE OF BEING POWERED BY AN ELECTRICAL SERVICE DROP FROM A LOCAL UTILITY COMPANY. THE PCMS SHALL BE DELINEATED IN ACCORDANCE WITH CMS 614.03.

PROBABLE PCMS LOCATIONS WILL BE IN ADVANCE OF ANY TEMPORARY TRAFFIC CONTROL ZONE SIGNING. PLACEMENT, OPERATION, MAINTENANCE AND ALL ACTIVATION OF THE SIGNS BY THE CONTRACTOR SHALL BE AS DIRECTED BY THE ENGINEER. THE PCMS SHALL BE LOCATED IN A HIGHLY VISIBLE POSITION YET PROTECTED FROM TRAFFIC. THE CONTRACTOR SHALL, AT THE DIRECTION OF THE ENGINEER, RELOCATE THE PCMS TO IMPROVE VISIBILITY OR ACCOMMODATE CHANGED CONDITIONS. WHEN NOT IN USE, THE PCMS SHALL BE TURNED OFF. ADDITIONALLY, WHEN NOT IN USE FOR EXTENDED PERIODS OF TIME, THE PCMS SHALL BE TURNED AWAY FROM ALL TRAFFIC.

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

ALL MESSAGES TO BE DISPLAYED ON THE SIGN WILL BE PROVIDED BY THE ENGINEER. A LIST OF ALL REQUIRED PRE-PROGRAMMED MESSAGES WILL BE GIVEN TO THE CONTRACTOR AT THE PROJECT PRECONSTRUCTION CONFERENCE. THE SIGN SHALL HAVE THE CAPABILITY TO STORE UP TO 99 MESSAGES. MESSAGE MEMORY OR PRE-PROGRAMMED DISPLAYS SHALL NOT BE LOST AS A RESULT OF POWER FAILURES TO THE ON-BOARD COMPUTER. THE SIGN LEGEND SHALL BE CAPABLE OF BEING CHANGED IN THE FIELD. THREE-LINE PRESENTATION FORMATS WITH UP TO SIX MESSAGE PHASES SHALL BE SUPPORTED. PCMS FORMAT SHALL PERMIT THE COMPLETE MESSAGE FOR EACH PHASE TO BE READ AT LEAST TWICE. THE PCMS SHALL CONTAIN AN ACCURATE CLOCK AND PROGRAMMING LOGIC WHICH WILL ALLOW THE SIGN TO BE ACTIVATED, DEACTIVATED OR MESSAGES CHANGED AUTOMATICALLY AT DIFFERENT TIMES OF THE DAY FOR DIFFERENT DAYS OF THE WEEK.

THE PCMS 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.

ITEM 614, PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN 18 SIGN MONTH

**PIER 2 BRIDGE WORK**

CONTRACTOR SHALL UTILIZE PORTABLE BARRIER, WORK ZONE IMPACT ATTENUATOR, OBJECT MARKERS & BARRIER REFLECTORS ON EASTBOUND I.R. 70 FOR THE S.R. 29 OVERHEAD BRIDGE WORK AT PIER 2. PLACEMENT OF THE BARRIER SHALL BE SO AS TO AVOID THE NEED TO RE-STRIPE THE EXISTING PAVEMENT MARKINGS. THE PORTABLE BARRIER AND IMPACT ATTENUATOR SHALL ONLY BE UTILIZED ON THE HIGHWAY SHOULDER PER MT-95.45.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY.

- ITEM 614, WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL) 1 EACH
- ITEM 614, BARRIER REFLECTOR, TYPE 1 12 EACH
- ITEM 614, OBJECT MARKER, ONE WAY 4 EACH
- ITEM 622, PORTABLE BARRIER, UNANCHORED 200 FT

**RAMP CLOSURE RESTRICTIONS INTERSTATE ROUTE 70 IN MADISON COUNTY**

SECONDARY ROUTE: STATE ROUTE 29					
RAMP	MOVEMENT	NO CLOSURES ALLOWED		DETOUR ROUTES	
		MON-FRI	SAT-SUN	PRIMARY ROUTE	SECONDARY ROUTE
A	S.R. 29 TO I-70 WB	6AM-9AM & 3PM-7PM	NO RESTRICTION	S.R. 29 WB TO U.S. 42 SB TO I-70 WB (RAMP A)	S.R. 29 EB TO U.S. 40 SB TO U.S. 42 NB TO I-70 WB (RAMP A)
B	I-70 WB TO S.R. 29	5AM-9PM	8AM-7PM	I-70 WB TO U.S. 42 (RAMP B) TO U.S. 42 NB TO S.R. 29	I-70 WB TO U.S. 42 (RAMP B) TO I-70 EB (RAMP C) TO S.R. 29
C	S.R. 29 TO I-70 EB	5AM-7PM	8AM-7PM	I-70 WB (RAMP A) TO U.S. 42 (RAMP B) TO I-70 EB (RAMP C)	S.R. 29 EB TO U.S. 40 SB TO U.S. 42 NB TO I-70 EB (RAMP C)
D	I-70 EB TO S.R. 29	5AM-9AM & 3PM-6PM	NO RESTRICTION	I-70 EB TO PLAIN CITY GEORGESVILLE RD (RAMP D) TO I-70 WB (RAMP A) TO S.R. 29 (RAMP B)	I-70 EB TO HILLIARD-ROME RD (RAMP E) TO I-70 WB (RAMP A) TO S.R. 29 (RAMP B)

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

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

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

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

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

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

FOR LANE CLOSURES: DURING INITIAL SET-UP PERIODS, TEAR DOWN PERIODS, SUBSTANTIAL SHIFTS OF A CLOSURE POINT OR WHEN NEW LANE CLOSURE ARRANGEMENTS ARE INITIATED FOR LONG-TERM LANE CLOSURES/SHIFTS (FOR THE FIRST AND LAST DAY OF MAJOR CHANGES IN TRAFFIC CONTROL SETUP). IN GENERAL, LEOS SHOULD BE POSITIONED AT THE POINT OF LANE RESTRICTION OR ROAD CLOSURE AND TO MANUALLY CONTROL TRAFFIC MOVEMENTS THROUGH INTERSECTIONS IN WORK ZONES.

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

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

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

THE LEO SHALL REPORT IN TO THE CONTRACTOR PRIOR TO THE START OF THE SHIFT, IN ORDER TO RECEIVE INSTRUCTIONS REGARDING SPECIFIC WORK ASSIGNMENTS DURING HIS/HER SHIFT. THE LEO IS EXPECTED TO STAY AT THE PROJECT SITE FOR THE ENTIRE DURATION OF HIS/HER SHIFT. THE LEO SHALL REPORT TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT. ONCE THE LEO HAS COMPLETED THE DUTIES DESCRIBED ABOVE AND STILL HAS TIME REMAINING ON HIS/HER SHIFT, THE LEO MAY BE ASKED TO PATROL THROUGH THE WORK ZONE (WITH

FLASHING LIGHTS OFF) OR BE PLACED AT A LOCATION TO DETER MOTORISTS FROM SPEEDING. SHOULD IT BE NECESSARY TO LEAVE THE PROJECT SITE, THE LEO SHALL NOTIFY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE THE LEO WITH A TWO-WAY COMMUNICATION DEVICE WHICH SHALL BE RETURNED TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT.

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

ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE 500 HOURS

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

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







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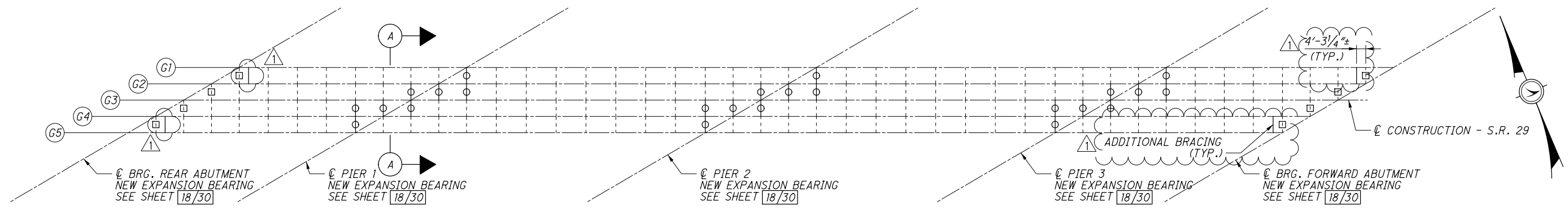
ESTIMATED QUANTITIES										
ITEM	ITEM EXT	TOTAL	UNIT	DESCRIPTION	GEN	ABUT	PIERS	SUPER	REF. SHEET	
202	11203	1	LS	PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN	1				15/30	
202	22900	176	SY	APPROACH SLAB REMOVED	176					
503	21100	163	CY	UNCLASSIFIED EXCAVATION		163				
509	10000	172799	LB	EPOXY COATED REINFORCING STEEL		1360		171439		
510	10000	272	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT		84	188			
511	33501	8	EACH	SEMI-INTEGRAL DIAPHRAGM GUIDE, AS PER PLAN		8			23/30	
511	34447	697	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK, AS PER PLAN				697	3/30	
511	34450	178	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)				164		
511	44110	23	CY	CLASS QC1 CONCRETE, ABUTMENT NOT INCLUDING FOOTING		23				
512	10050	1756	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)		142	381	1233		
513	20001	4080	EACH	WELDED STUD SHEAR CONNECTORS, AS PER PLAN				4080	16/30	
513	90000	1782	LB	STRUCTURAL STEEL, MISC.: ADDITIONAL INTERMEDIATE BRACING MEMBERS			1782		3/30	
513	95020	1	LS	STRUCTURAL STEEL, MISC.: FIELD DRILLED HOLES IN EXISTING GIRDERS					15/30	
514	00050	56262	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL				56262		
514	00056	56262	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT				56262		
514	00060	57327	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT				57327		
514	00066	57327	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT				57327		
514	00504	45	MNHR	GRINDING FINES, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL				45		
514	10000	26	EACH	FINAL INSPECTION REPAIR				26		
516	10010	129	FT	ARMORLESS PREFORMED JOINT SEAL	129					
516	13600	126	SF	1" PREFORMED EXPANSION JOINT FILLER		126				
516	13900	210	SF	2" PREFORMED EXPANSION JOINT FILLER		210				
516	25000	388	SF	NYLON REINFORCED NEOPRENE SHEETING		388				
516	44201	15	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN (22" x 26" x 3.80" WITH 23" x 27" x 1.5" PLATE)			15		18/30	
516	44401	10	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN (17.5" x 17.5" x 5.70" WITH 23" x 20" x 1.5" PLATE)			10		18/30	
516	46501	10	EACH	BEARING, PTFE (TEFLON), AS PER PLAN			10		18/30	
516	47001	1	LS	JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN				1	3/30	
518	21200	68	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC		68				
519	11101	222	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN		82	140		3/30	
526	30010	217	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=17")	217					
526	90030	129	FT	TYPE C INSTALLATION	129					
607	39900	1074	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC				1074		

REV. BY	DATE	DESCRIPTION
GF	09/23/20	△ QUANTITY CHANGE FOR ITEM 513E90000
GF	09/18/20	△ 526E30000 CHANGED TO 526E30010
GF	09/18/20	△ QUANTITY CHANGE FOR ITEM 511E44110
GF	09/09/20	△ QUANTITY CHANGE FOR ITEM 513E90000
DATE COMPLETED		

<b>PARSONS</b> 100 E. Campus View Blvd., Suite 250 • Columbus, Ohio 43235	
DESIGNED JRE	CHECKED JLW
DRAWN GF	REVISED
REVIEWED RWB	DATE 3/17
STRUCTURE FILE NUMBER 4900243	
<b>ESTIMATED QUANTITIES</b> BRIDGE NO. MAD-SR29-1061 OVER I.R. 70	
MAD-29-10.61 PID No. 104867	
4/30	
50 76	

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REV.	BY	DATE	DESCRIPTION
GF		09/26/20	REMOVED NOTE
GF		09/23/20	ADDITIONAL BRACING

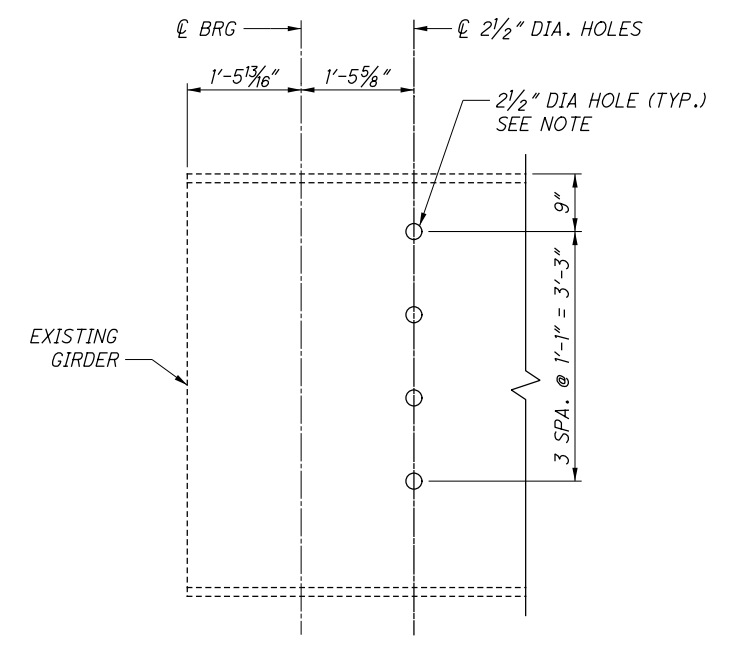
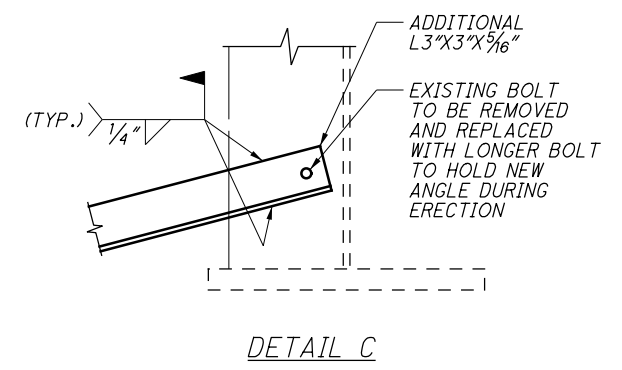
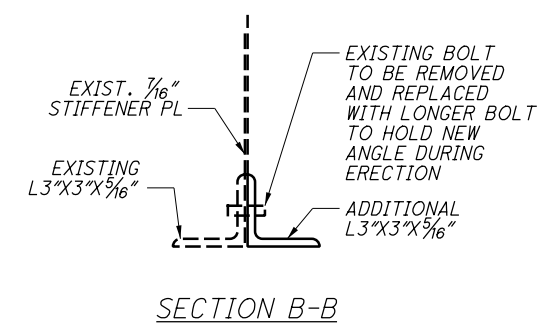
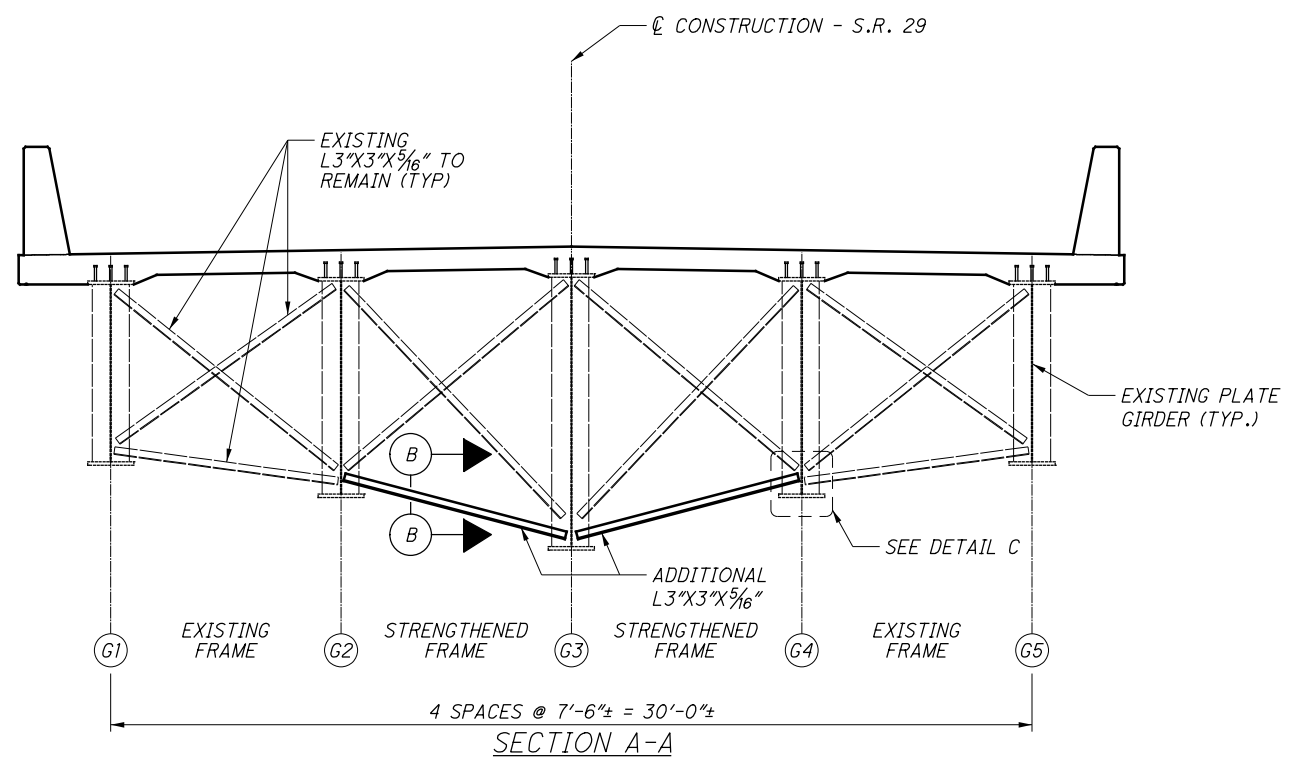


**FRAMING PLAN**

**NOTE:**  
 PROVIDE NEW INTERMEDIATE CROSS-FRAMES AT LOCATIONS SHOWN ON THE FRAMING PLAN. THE CROSS-FRAMES SHALL CONNECT TO THE EXISTING GIRDER STIFFENERS. HOLES FOR THE 3/4-INCH DIAM. BOLTS SHALL BE FIELD DRILLED AND THE ANGLES (L 3" X 3" X 5/16") WELDED AS SHOWN IN DETAIL C THIS SHEET. PAYMENT FOR ALL WORK ASSOCIATED WITH THE ADDITIONAL BRACING SHALL BE INCLUDED IN ITEM 513: STRUCTURAL STEEL, MISC.: ADDITIONAL INTERMEDIATE BRACING MEMBERS.

**LEGEND**

- INDICATES CROSS-FRAMES WHERE ADDITIONAL BOTTOM BRACE ANGLE TO BE INSTALLED PRIOR TO CONCRETE DECK REPLACEMENT
- INDICATES CROSS-FRAMES TO BE REMOVED PRIOR TO PLACEMENT OF SEMI-INTEGRAL ABUTMENT DIAPHRAGM. COST FOR REMOVAL SHALL BE INCLUDED IN THE ITEM 202, PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN.



**FIELD DRILLING DETAIL**

(AT ABUTMENT ENDS ONLY)  
 NOTE: HOLES SHALL BE FIELD DRILLED  
 COST TO BE INCLUDED IN ITEM 913 STRUCTURAL STEEL MISC.:  
 FIELD DRILLED HOLES IN EXISTING GIRDERS

**PARSONS**  
 100 E. Campus View Blvd., Suite 250 • Columbus, OH 43235

DATE: 3/17  
 REVIEWED: RWB  
 STRUCTURE FILE NUMBER: 4900243

DESIGNED: TMB  
 CHECKED: TBS

**FRAMING PLAN & DETAILS**  
 BRIDGE NO. MAD-SR29-1061  
 OVER I.R. 70

**MAD-29-10.61**  
 PID No. 104867

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