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BEGIN PROJECT STA. 558+55.00 S.L.M. 10.58 END PROJECT STA. 566+00.00 S.L.M. 10.72

LOCATION MAP

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





ENGINEERS SEAL:

FOR STRUCTURES

ROBERT W.

BALLARD III E-57233

SIGNED: Rows w. Bolland =

ENGINEERS SEAL:

FOR ENTIRE PLAN

OVER 20 FOOT SPAN

SIGNED: German Julea

DATE: 5/1/2020

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

DESIGN DESIGNATION

CURRENI ADI (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 CLASSIFICAT	TION		
	05 MAJOR	COLLECTOR	(RURAL)
NHS PROJECT			NO

DESIGN EXCEPTIONS

NONE REQUIRED

OVED

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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

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

MAD-29-10.61

JEFFERSON TOWNSHIP MADISON COUNTY

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			STANDAR	RD CONSTR	RUCTION D	PRAWINGS					FICATIONS	PROVISIONS
BP-1.1	7/28/00	MGS-1.1	1/19/18	AS-1-15	7/17/15	MT-95.30	7/19/19			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	1/17/20	/2\		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	1/17/20			832	10/19/18	
BP-2.3	7/18/14	MGS-4.3	1/18/13	SBR-1-13	7/20/18	MT-101.60	1/17/20		^	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	\triangle	/1\			
BP-2.5	7/19/13	MGS-5.3	7/15/16	SICD-1-96	7/18/14	MT-101.75	1/17/20	745				
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					
						TC-52.10	10/18/13					
DM-1.1	7/21/17					TC-61.30	7/19/19					
DM-1.2	1/18/13					TC-65.10	1/17/14					
DM-4.1	7/20/18					TC-65.11	7/21/17					
DM-4.2	7/20/12					TC-72.20	7/20/18					
DM-4.3	1/15/16											
DM-4.4	1/15/16											

CURRI CHENTAL

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

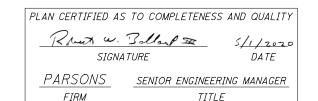
PROJECT EARTH DISTURBED AREA: ESTIMATED CONTRACTOR EARTH DISTURBED AREA: 0.25* NOTICE OF INTENT (NOI) EARTH DISTURBED AREA: N/A* * MAINTENANCE PROJECT

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.



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		
DATE	DIRECTOR, TRANSPORT	DEPARTMENT OF TATION

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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 /1

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

DGE WORK NOTE
ENT PROJECT
DESCRIPTION

PIER ADD /

/26/20 /31/20 **ATE**

09/2 08/7 **BY DA** COMPLE

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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 CON-TRACTOR 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, SOFT-WARE, HARDWARE AND INCIDENTALS TO PERFORM THE ABOVE DESCRIBED WORK.

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

2 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

		SECONDA	RY ROUTE: ST	ATE ROUTE 29	
_		NO CLOSU	RES ALLOWED	DETOUR RO	UTES
RAMP	MOVEMENT	MON-FRI	SAT-SUN	PRIMARY ROUTE	SECONDARY ROUTE
А	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)
В	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
С	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 PER-MITTED AT PROJECT COST. LEOS SHOULD NOT BE USED WHERE THE OMUTCD INTENDS THAT FLAGGERS BE USED.

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

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

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

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

FOR LANE CLOSURES: DURING INITIAL SET-UP PERIODS. TEAR DOWN PERIODS. SUBSTANTIAL SHIFTS OF A CLOSURE POINT OR WHEN NEW LANE CLOSURE ARRANGEMENTS ARE INITIATED FOR LONG-TERM LANE CLOSURES/SHIFTS (FOR THE FIRST AND LAST DAY OF MAJOR CHANGES IN TRAFFIC CONTROL SETUP). 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 PLACE-MENT, 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 RE-TURNED TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT.

LEOS (WITH PATROL CAR) REQUIRED BY THE TRAFFIC MAINT-ENANCE 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.

			, ,		SHEET	NOM.	<u> </u>		PART 01/IMS/I	J тт⊨м	ITEM	GRAND	UNIT	DESCRIPTION	S SH
5	6	13	14	16	46	48			R		EXT	TOTAL			l l
														DOADWAY	
2\LS									LS	201	11000	LS		ROADWAY CLEARING AND GRUBBING	-+
6						-			6	201	21800	6	EACH	TREE REMOVED, 18"	
1									1	201	23000	1	EACH	TREE REMOVED, 30"	
1										201	24800	1 1		TREE REMOVED, 48"	-
<u> </u>		1,1,528				 			1,528	_	23000	1,528		PAVEMENT REMOVED	$\overline{}$
		1							.,,===	1		1,122			
		512							512	202	23001	512	SY	PAVEMENT REMOVED, AS PER PLAN	
		184							184	202	32000	184	FT	CURB REMOVED	
		150							150	202	38000	150	FT	GUARDRAIL REMOVED	
		2							2	202	42050	2		ANCHOR ASSEMBLY REMOVED, TYPE B	
		4							4	202	47000	4	EACH	BRIDGE TERMINAL ASSEMBLY REMOVED	
	247								247	SPECIAL	20270110	247		PIPE CLEANOUT, 24" AND UNDER	
	314	405							314	SPECIAL	20270120	314		PIPE CLEANOUT, 27" TO 48"	
		105							105	203	10000	105		EXCAVATION EMBANKMENT	
		42	2,332		1	1			2,332	203 204	20000 10000	42 2,332	CY SY	SUBGRADE COMPACTION	-+
			2,332						2,332	204	10000	2,332	31	SUBGRADE COMPACTION	
		2,383				 			2,383	209	10000	2,383	FT	DITCH CLEANOUT	-
		125				1			125	606	15050	125		GUARDRAIL, TYPE MGS	
		2				1			2	606	26050	2		ANCHOR ASSEMBLY, MGS TYPE B	
		4							4	606	35002	4		MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1	
														,	
														EROSION CONTROL	
		14							14	601	21060	14	SY	TIED CONCRETE BLOCK MAT WITH TYPE 2 UNDERLAYMENT	
1									1	659	00100	1	EACH	SOIL ANALYSIS TEST	
90									90	659	00300	90	CY	TOPSOIL	
811									811	659	10000	811	SY	SEEDING AND MULCHING	
41									41	659	14000	41	SY	REPAIR SEEDING AND MULCHING	
0.40									0.40	050	20000	0.40	TON	COMMERCIAL FERTUZER	
0.12						-			0.12	659	20000	0.12		COMMERCIAL FERTILIZER LIME	
0.17 6					1	 			0.17	659 659	31000 35000	0.17 6	ACRE MGAL	WATER	-+
0						10			10	670	00500	10	SY	SLOPE EROSION PROTECTION	
				1,785		10			1,785	670	00700	1,785	SY	DITCH EROSION PROTECTION	
				1,700		1			1,100	+ 373	00/00	1,700	<u> </u>	Eller Ellesien i ne les ilen	
									25,000	832	30000	25,000	EACH	EROSION CONTROL	
														DRAINAGE	
20									20	605	13300	20		6" UNCLASSIFIED PIPE UNDERDRAINS	
		710							710	605	14000	710		6" BASE PIPE UNDERDRAINS	
		54							54	605	31100	54	FT	AGGREGATE DRAINS	
						 				4		.		DAVEMENT	
			22						22	252	04500	22		PAVEMENT	
			32 32			 			32	252 255	01500 20000	32 32		FULL DEPTH PAVEMENT SAWING FULL DEPTH PAVEMENT SAWING	
			451						451	301	46000	451		ASPHALT CONCRETE BASE, PG64-22	
			447			 			447	304	20000	447		AGGREGATE BASE	-
			285					+	285	407	20000	285		NON-TRACKING TACK COAT	
						1				1		1 200	0,12	INCH INVIOLING INTOK SOM	
			16						16	441	50000	16	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22	
			138						138	442	00100	138	CY	ANT-SEGREGATION EQUIPMENT	
			64						64	442	10001	64	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN (PG76-22M)	
			74						74	442	10100	74	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446)	
			64						64	SPECIAL	45131000	64	FT	PRESSURE RELIEF JOINT, TYPE B	
			315						315	452	13060	315		9.5" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	
		27							27	609	24510	27		CURB, TYPE 4-C	
		151							151	609	26000	151	FT	CURB, TYPE 6	
		1								1	00400	 	E 4 6 1 1	TRAFFIC CONTROL 4	
		1			5				5	621	00100	5		RPM (2-WAY, YELLOW)	-+
		26		00./26./00	/ / // // // // // // // // // // // //) TDAFFTO	CONTROL ITES	AS ON CHEET	/	621	00100	1 26		RPM (2-WAY, RED/YELLOW) BARRIER REFLECTOR, TYPE 1 (BIDIRECTIONAL)	$\overline{}$
		26 4				202E23011	CONTROL ITEM	13 UN SHEEL	26	626 626	00102 00110	26 4		BARRIER REFLECTOR, TYPE 1 (BIDIRECTIONAL) BARRIER REFLECTOR, TYPE 2 (BIDIRECTIONAL)	-+
		+				202E23011 1 201E11000 /			1	632	90400	1		SIGNALIZATION, MISC.: RWIS SENSOR, VX21-2	
	1			00/11/20	1/4\ I LIVI -				<u>'</u>	1	1 20.00	 			
	1			09/15/20	1TFM	202F23000), 202E23001,	8 202F23011							

					SHEET	NUM.	<u>.</u>				PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET
3	7	8	13	46	50						01/IMS/B R	11611	EXT	TOTAL	ONT	DESCRIPTION	NO.
																TRAFFIC CONTROL (CONTINUED)	
				0.03							0.03	644	00104	0.03	MILE	TRAFFIC CONTROL (CONTINUED) EDGE LINE, 6"	-
				0.03			-				0.03	644	00300	0.03		CENTER LINE	+-
				0.49			+				0.49	646	10010	0.49		EDGE LINE, 6"	+-
_				0.13					- 		0.13	646	10200	0.13		CENTER LINE	-+
				0.10							0.10	010	10200	0.10	WILL		
				140							140	831	00100	140	FT	LONGITUDINAL CHANNELIZING DEVICE	-
				140							140	831	00500	140		REMOVAL OF LONGITUDINAL CHANNELIZING DEVICE	
																STRUCTURE OVER 20 FOOT SPAN (MAD-29-1061)	
					LS						LS	202	11203	LS		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN	61
					176						176	202	22900	176		APPROACH SLAB REMOVED	
					163						163	503	21100	163		UNCLASSIFIED EXCAVATION	
					172,799						172,799	509	10000	172,799		EPOXY COATED REINFORCING STEEL	
					272						272	510	10000	272	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	
			ļ									544	22504		EAGU.	SENI INTEGRAL BIARUPAGNI GUIDE AG DER BLAN	
					8 697						8 697	511 511	33501 34447	8 697	EACH CY	SEMI-INTEGRAL DIAPHRAGM GUIDE, AS PER PLAN CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK, AS PER PLAN	69 49
				+	178						178	511	34450	178		CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK, AS FER FLAIN	- 43
					23		+				23	511	44110	23		CLASS QC2 CONCRETE, ABUTMENT NOT INCLUDING FOOTING	+-
					1,756		- +			/2_	1,756	512	10050	1,756		SEALING OF CONCRETE SURFACES (NON-EPOXY)	+-
					1,700						1,700	012	10000	1,700	01	CENTENTO OF CONTOUR CONTOUR (NOTE IN CONTO)	+-
					4,080						4,080	513	20001	4,080	EACH	WELDED STUD SHEAR CONNECTORS, AS PER PLAN	62
					1,782					4/1	1,782	513	90000	1,782	LB	STRUCTURAL STEEL, MISC.: ADDITIONAL INTERMEDIATE BRACING MEMBERS	49
					LS					/	LS	513	95020	LS		STRUCTURAL STEEL, MISC.: FIELD DRILLED HOLES IN EXISTING GIRDERS	61
					56,262						56,262	514	00050	56,262	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL	
					56,262						56,262	514	00056	56,262	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT	
					57,327						57.327	514	00060	57,327	SF	 FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT	
					57,327						57,327	514	00066	57,327		FIELD PAINTING STRUCTURAL STEEL, FINISH COAT	+
					45						45	514	00504	45		GRINDING FINS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL	
					26						26	514	10000	26		FINAL INSPECTION REPAIR	_
					129						129	516	10010	129	FT	ARMORLESS PREFORMED JOINT SEAL	
					126						126	516	13600	126		1" PREFORMED EXPANSION JOINT FILLER	
					210						210	516	13900	210		2" PREFORMED EXPANSION JOINT FILLER	
					388						388	516	25000	388	SF	NYLON REINFORCED NEOPRENE SHEETING	
					15						15	516	44201	15	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN	64
																(22" x 26" x 3.80" WITH 23" x 27" x 1.5" PLATE)	-
					10		+				10	516	44401	10	EACH	LELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN	64
					10						10	310	77701	10	LAGIT	(17.5" x 17.5" x 5.70" WITH 23" x 20" x 1.5" PLATE)	
					10						10	516	46501	10	EACH	BEARING, PTFE (TEFLON), AS PER PLAN	64
					LS						LS	516	47001	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	49
					68						68	518	21200	68	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	
					222						222	519	11101	222		PATCHING CONCRETE STRUCTURE, AS PER PLAN	49
					217						217	526	30010	217		REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=17")	
					129						129	526	90030	129		TYPE C INSTALLATION	
					1,074						1,074	607	39900	1,074	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC	\longrightarrow
																MAINTENANCE OF TRAFFIC	+
		500					+				500	614	11110	500	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	+
		1									1	614	12380	1		WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL) 5	+-
	LS										LS	614	12420	LS		DETOUR SIGNING	
	10										10	614	13000	10	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC.	
		12									12	614	13310	12	EACH	BARRIER REFLECTOR, TYPE 1, ONE WAY 5	
		4									4	614	13350	4		OBJECT MARKER, ONE WAY 5	\bot
		18									18	614	18600	18		PORTABLE CHANGEABLE MESSAGE SIGN	
	1	1		1							2	616	10000	2		WATER	
-		200									200	622	41100	200	FT	PORTABLE BARRIER, UNANCHORED /5	
		<u> </u>	GF	09/26/20	∕s\ 614E12	380, 614E1	3310.614E	13350 & 622	E41100				 			INCIDENTALS	+
								M 513E9000			LS	103	05000	LS		PREMIUM FOR CONTRACT PERFORMANCE BOND AND FOR PAYMENT BOND	
			GF	09/18/20	<u>∕</u> 3 526E3	0000 CHAN	NGED TO 5:	26E30010			LS	614	11000	LS		MAINTAINING TRAFFIC	
								M 511E44110			18	619	16010	18		FIELD OFFICE, TYPE B	
					<u> </u>			M 513E9000	0		LS	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
			1	DATE	i ——	DEC	CRIPTION		1		LS	624	10000	LS		MOBILIZATION	

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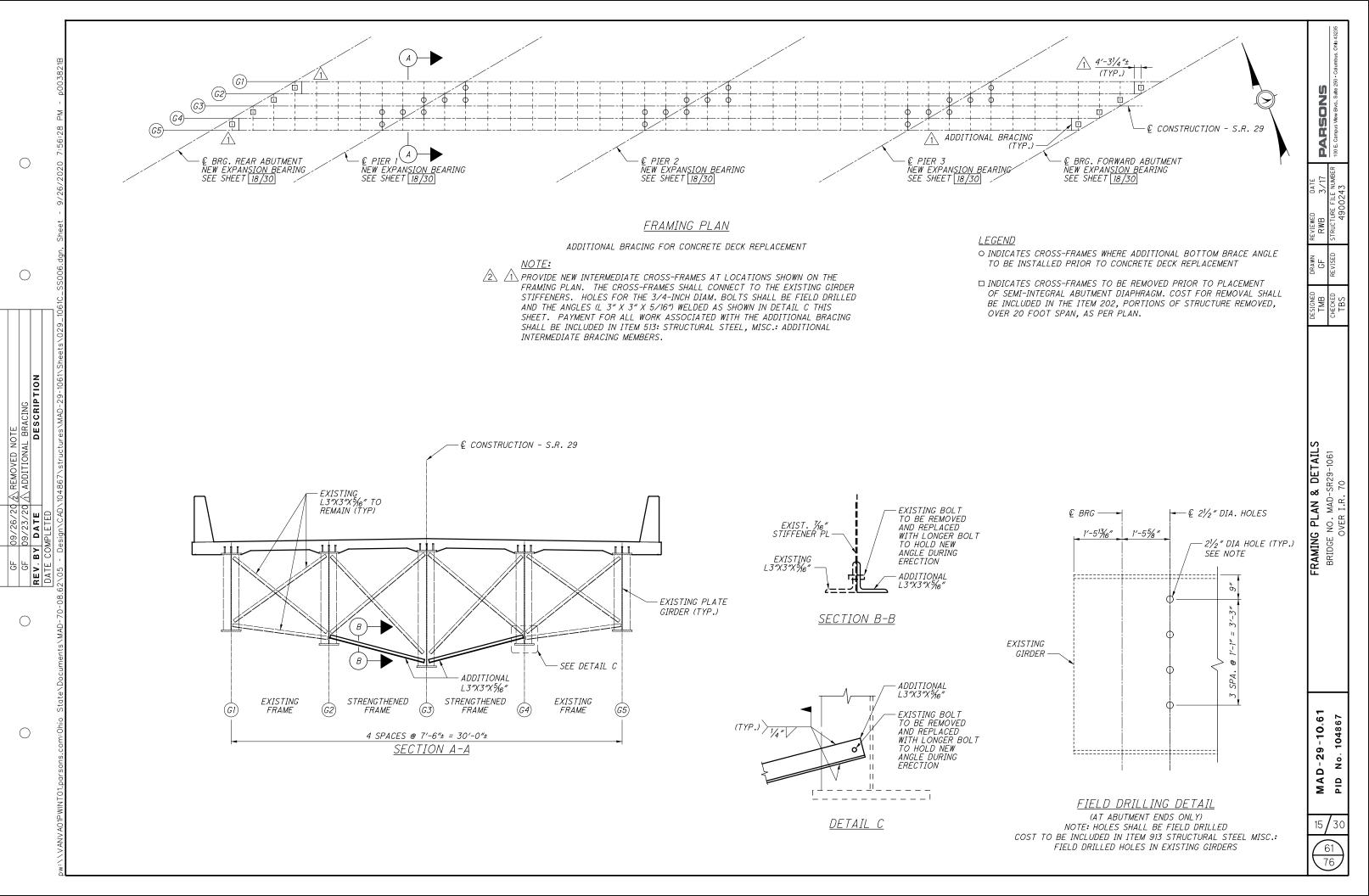
PARSONS
100 E. Campus Vlew Bivd., Sulte 250

				ESTIMATED QUANTITES					
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				137 30
503	21100	163	CY	UNCLASSIFIED EXCAVATION		163			
509	10000	172799	LB	EPOXY COATED REINFORCING STEEL		1360		171439	
303	70000	112133	LD	LI ONT CONTENT ONCING STELL		1300		111433	
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)		14		164	3, 30
511	44110	23	CY	CLASS QCI CONCRETE, ABUTMENT NOT INCLUDING FOOTING	/2				
	10050	1750	614				701	1077	
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			4\1		3/30
<i>513</i>	95020	1	LS	STRUCTURAL STEEL, MISC.: FIELD DRILLED HOLES IN EXISTING GIRDERS				1	15/30
514	00050	56262	SF	CUREACE PREPARATION OF EVICTING CTRUCTURAL CTEF				56262	
514 514	00056	56262	SF SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT				56262	
514 514	00050	57327	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, FRIME COAT FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT				57327	
514	00066	57327	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT				57327	
514	00504	45	MNHR	GRINDING FINS, 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	I" PREFORMED EXPANSION JOINT FILLER		126			
<i>516</i>	13900	210	SF	2" PREFORMED EXPANSION JOINT FILLER		210			
<i>516</i>	25000	388	SF	NYLON REINFORCED NEOPRENE SHEETING		388	1/-		10 (70
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		10			18/30
				(17.5" × 17.5" × 5.70" WITH 23" × 20" × 1.5" PLATE)					
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			
510	21200	00	U/	I ONOUS DAGNITEL WITH GEOTENTILE FADRIC		00			
519	11101	222	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN		82	140		3/30
526	30010	217	SY	DEINEODOED CONODETE ADDROACH SLADS WITH OC /OA /T-17/0	217				
526 526	90030	129	SY FT	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=17") TYPE C INSTALLATION	129				
520	30030	ILU	1 1	THE O THOTALLATION	12.5				
607	39900	1074	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC				1074	

DATE CO		DESCRIPTION
REV. BY	DATE	DESCRIPTION
GF	09/09/20	⚠ QUANTITY CHANGE FOR ITEM 513E90000
GF	09/18/20	QUANTITY CHANGE FOR ITEM 511E44110
		<u>★</u> 526E30000 CHANGED TO 526E30010
GF	09/23/20	⚠ QUANTITY CHANGE FOR ITEM 513E90000







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