D10-GR-FY2022



STATE OF OHIO **DEPARTMENT OF TRANSPORTATION** D10-GR-FY2022

INDEX OF SHEETS:

TITLE SHEET LOCATION MAP GENERAL NOTES 3-4 GENERAL SUMMARY GUARDRAIL SUBSUMMARY 6-10 ROUTE SUBTOTALS PLAN INSERT SHEETS BRIDGE RAIL DETAILS 12A

NHS PROJECT ______YES

DESIGN EXCEPTIONS

NONE

ADA DESIGN WAIVERS



PLAN PREPARED BY: D10 - PLANNING AND ENGINEERING OHIO DEPARTMENT OF ENGINEERING MARIETTA, OHIO

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E-15611	٨
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SIGNED:	- T
DATE: 9/8/2021	_ /

ENGINEERS SEAL:

		STANDAR	•	SPECIFICATIONS				
MGS-1.1	3/16/21	MT-98.20	4/19/19			800-2021	10/15/21	
MGS-2.1	1/19/18	MT-105.10	1/17/20			832	10/19/18	
MGS-2.3	7/18/14							
MGS-3.1	1/19/18	TC-61.30	7/19/19					
MGS-4.1	1/20/17							
MGS-4.2	7/19/13							
MGS-4.3	1/18/13							
MGS-4.5	1/18/13							
MGS-5.2	7/15/16							
MGS-5.3	7/15/16							
MT-95.30	7/19/19							
MT-95.31	7/19/19							
MT-95.32	4/19/19							
MT-97.10	4/19/19							
MT-98.10	1/17/20							

STANDARD CONSTRUCTION DRAWINGS

SUPPLEMENTAL

FEDERAL PROJECT NUMBER

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF UPGRADING AND REPLACING GUARDRAIL IN VARIOUS LOCATIONS OF DISTRIC 10.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA: ESTIMATED CONTRACTOR EARTH DISTURBED AREA: 0.0 ACRES NOTICE OF INTENT EARTH DISTURBED AREA: N/A (NOI NOT REQUIRED)* * ROUTINE MAINTENANCE PROJECT

LIMITED ACCESS

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

2019 SPECIFICATIONS

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

I 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.

Darla Miller DATE 9/8/2021 DISTRICT DEPUTY DIRECTOR

APPROVED_ DATE _ DIRECTOR, DEPARTMENT OF TRANSPORTATION



WBC MRF 08-27-21

102385

		SHEET	NUM.				PART.		ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET	
6	7	8	9	10	12A	01/STR/OT	02/S<2/OT	03/NHS/OT	11614	EXT	TOTAL	ONIT	DESCRIPTION	NO.	
27,650	17,187.5	23,250	27,025	5,637.5		99,862.5	887.5		202	38000	100,750	FT	ROADWAY GUARDRAIL REMOVED		7
21,000	17,107.0	1,862.5	21,020	0,00710		1,862.5	007.0		202	38101	1,862.5	FT	GUARDRAIL REMOVED FOR STORAGE, AS PER PLAN	4	1
	162.5	750	287.5			1,200			202	38500	1,200	FT	BRIDGE RAILING REMOVED		1
				24				24	202	47000	24	EACH	BRIDGE TERMINAL ASSEMBLY REMOVED		
25,275	14,600	22,587.5	23,025	4,887.5		89,662.5	712.5		606	15050	90,375	FT	GUARDRAIL, TYPE MGS		4
			4.075			4.075			000	45400	4.075		MOO CHARRAN TVPE O		-
			1,275 25			1,275 25			606 606	15400 17360	1,275 25	FT FT	MGS GUARDRAIL, TYPE 8 GUARDRAIL, TYPE MGS, LONG-SPAN		-
70	67	42	1			180			606	25550	180	EACH	ANCHOR ASSEMBLY, MGS TYPE A		1
70	6	11	37	7		60	1		606	26050	61	EACH	ANCHOR ASSEMBLY, MGS TYPE B		1
7	8	15	21	11		60	2		606	26150	62	EACH	ANCHOR ASSEMBLY, MGS TYPE E, MASH 2016		1
]
22	10	19	21	5		75	2		606	26550	77	EACH	ANCHOR ASSEMBLY, MGS TYPE T		1
		4				4		24	606	35002 35140	69	EACH EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1 BRIDGE TERMINAL ASSEMBLY, TYPE 4		4
8	11	12	14	24	2	44	\	24	606 606	35140 60022	2	EACH	IMPACT ATTENUATOR, TYPE 2 (UNIDIRECTIONAL)60 MPH/24" WIDE		-
27,650	17 187 5	25,112.5	27 025	5,637,5		101,725	887(5	2				FT		4	1
21,000	17,107.0	20,112.0	21,020	0,007.0		101,120	001/0		SPECIAL	60650000	102,612.5		RESHAPING BERM		1
													TRAFFIC CONTROL		1
615	403	573	606	130		2,305	22		626	00110	2,327	EACH	BARRIER REFLECTOR, TYPE 2, BIDIRECTIONAL		1
															4
		407.5				407.5			F47	70005	407.5		MISCELLANEOUS STRUCTURE	4	-
	162.5	487.5 262.5	287.5			487.5 712.5			517 517	72205 72307	487.5 712.5	FT FT	RAILING (DEEP BEAM RAIL WITH STEEL TUBULAR BACKUP AND TYPE 1 STEEL POSTS), AS PER PLAN RAILING (DEEP BEAM RAIL WITH STEEL TUBULAR BACKUP AND TYPE 2 STEEL POSTS), AS PER PLAN	4	1
	102.5	202.5	207.3					\sim	717	12301	712.5				L
				\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			, , ,	, ,	, , ,	, , ,	, , , ,	\ \	MAINTENANCE OF TRAFFIC	\wedge	\cap
				-	360			360	622	41101	360	FT	PORTABLE BARRIER, UNANCHORED, AS PER PLAN	12A	14
					120			120	622	41111	120	FT	PORTABLE BARRIER, ANCHORED, AS PER PLAN	12A]く
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						LS LS	LS	LS	614	11000 10000	LS LS		MAINTAINING TRAFFIC MOBILIZATION		-
						LS	LS	LS	624	10000	LS		WUBILIZATION		┨
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