



LOCATION MAP

LATITUDE: 41°19'15" LONGITUDE: 80°43'58"



STATE OF OHIO DEPARTMENT OF TRANSPORTATION

D04-LG-FY2025 (EAST)

ASHTABULA, MAHONING & TRUMBULL COUNTIES

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FEDERAL PROJECT NUMBER

NON-FEDERAL

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

2-YEAR LIGHTING MAINTENANCE AND REPAIR CONTRACT ALONG VARIOUS ROUTES IN ASHTABULA, MAHONING, AND TRUMBULL COUNTIES. INCLUDES LED UPGRADES.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA: 0.0 ACRES
 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.

2023 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 OF SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

DESIGN DESIGNATION

NHS PROJECT ----- NO

DESIGN EXCEPTIONS

NONE

ADA DESIGN WAIVERS

NONE

UNDERGROUND UTILITIES
 Contact Two Working Days Before You Dig

OHIO 811. 8-1-1, or 1-800-362-2764
 (Non members must be called directly)

PLAN PREPARED BY:
 OHIO DEPARTMENT OF TRANSPORTATION, DISTRICT 4
 2088 SOUTH ARLINGTON ROAD
 AKRON, OHIO 44306

STANDARD CONSTRUCTION DRAWINGS						SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
DM-4.3	1/15/16	HL-60.21	7/20/18	TC-52.10	10/18/13	800-2023	4/19/24
DM-4.4	1/15/16	HL-60.31	7/21/23	TC-52.20	1/15/21	813	7/21/23
						821	4/20/12
HL-10.11	7/21/23	MT-95.30	7/19/19				
HL-10.12	7/21/23	MT-95.31	7/19/19			832	7/21/23
HL-10.13	1/20/23	MT-95.32	4/19/19			921	4/20/12
HL-10.31	7/15/22	MT-97.10	4/19/19				
HL-20.11	7/21/23	MT-98.10	1/17/20				
HL-20.14	4/17/20	MT-98.11	1/17/20				
HL-20.21	1/15/21	MT-98.20	4/19/19				
HL-30.11	7/21/23	MT-98.22	1/17/20				
HL-30.21	4/17/20	MT-98.28	1/17/20				
HL-30.22	1/15/21	MT-105.10	1/17/20				
HL-40.10	7/21/23						
HL-60.11	7/21/17	TC-41.20	10/18/13				
HL-60.12	7/21/23	TC-42.20	10/18/13				

Arthur G. Noiro Jr.
 Arthur G. Noiro Jr., P.E.
 District 04 Deputy Director

Jack Marchbanks
 Jack Marchbanks, PhD
 Director, Department of Transportation

ENGINEER'S SEAL:

Date: 2024.05.20
 13:59:31 -04'00'

DESIGN AGENCY	
DESIGNER	KMK
REVIEWER	RMM
PROJECT ID	3/8/24
	115548
SHEET	TOTAL
P.1	16

SHEET NUM.												PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
												01/NFP/21	ITEM	EXT	TOTAL			
												1,000	832	30000	1,000	EACH	EROSION CONTROL	
																	LIGHTING	
												50	625	02501	50	EACH	TRANSFORMER BASE, TYPE AT-A, AS PER PLAN	10
												1	625	02601	1	EACH	TRANSFORMER BASE, TYPE AT-C, AS PER PLAN	10
												1	625	10490	1	EACH	LIGHT POLE, CONVENTIONAL: DESIGN AT12B41.7	10
												1	625	10490	1	EACH	LIGHT POLE, CONVENTIONAL: DESIGN AT18B51.7	10
												1	625	10500	1	EACH	LIGHT POLE, MISC.: [725.21] 33.5 FT HEIGHT [41.7 M.H.]	10
												10	625	10500	10	EACH	LIGHT POLE, MISC.: 29.5 FT HEIGHT [34.5 M.H.]	10
												5	625	10503	5	EACH	LIGHT POLE (INSTALLATION ONLY), AS PER PLAN	10
												35	625	10505	35	EACH	ERECTING REUSABLE DOWNED LIGHT POLE, AS PER PLAN	10
												2	625	14401	2	EACH	LIGHT POLE FOUNDATION REPAIR, AS PER PLAN	10
												1	625	18101	1	EACH	BRACKET ARM, 12', AS PER PLAN	10
												5	625	18201	5	EACH	BRACKET ARM, 15', AS PER PLAN	10
												1	625	18301	1	EACH	BRACKET ARM, 18', AS PER PLAN	10
												5	625	18600	5	EACH	BRACKET ARM, MISC.: INSTALLATION ONLY	10
												20	625	19101	20	EACH	BALLAST FOR TOWER LIGHT FIXTURE, AS PER PLAN: 1000W	10
												50	625	19101	50	EACH	BALLAST FOR TOWER LIGHT FIXTURE, AS PER PLAN: 400W	10
												2,500	625	23201	2,500	FT	NO. 4 AWG 2400 VOLT DISTRIBUTION CABLE, AS PER PLAN	10
												500	625	23301	500	FT	NO. 2 AWG 2400 VOLT DISTRIBUTION CABLE, AS PER PLAN	10
												4,000	625	23401	4,000	FT	NO. 10 AWG POLE AND BRACKET CABLE, AS PER PLAN	10
												500	625	24101	500	FT	1-1/2" DUCT CABLE WITH TWO NO. 4 AWG 2400 VOLT CABLES, AS PER PLAN	10
												50	625	24301	50	FT	1-1/2" DUCT CABLE WITH TWO NO. 2 AWG 2400 VOLT CABLES, AS PER PLAN	10
												10	625	25500	10	FT	CONDUIT, 3" 725.04	10
												5	625	26251	5	EACH	LUMINAIRE, CONVENTIONAL, AS PER PLAN: STYLE B, TYPE II OR III, 200W HPS [725.11], 240 V Deleted	10
												100	625	26251	100	EACH	LUMINAIRE, CONVENTIONAL, AS PER PLAN: STYLE B, TYPE II OR III, 200W HPS [725.11], 480 V	10
												25	625	26251	25	EACH	LUMINAIRE, CONVENTIONAL, AS PER PLAN: STYLE B, TYPE II OR III, 250W HPS [725.11], 480 V Deleted	10
												15	625	26251	15	EACH	LUMINAIRE, CONVENTIONAL, AS PER PLAN: STYLE C, TYPE II OR III, 310W HPS [725.11], 480 V	10
												2	625	26251	2	EACH	LUMINAIRE, CONVENTIONAL, AS PER PLAN: STYLE C, TYPE II OR III, 400W HPS [725.11], 480 V	10
												5	625	26253	5	EACH	LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER PLAN, 115, 120, 130 OR 133 WATT, 240V	10
												10	625	26253	10	EACH	LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER PLAN, 115, 120, 130 OR 133 WATT, 480V	12
												15	625	26253	15	EACH	LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), AS PER PLAN, 204, 210 OR 215 WATT, 480V	12
												1	625	26261	1	EACH	LUMINAIRE, HIGH MAST, AS PER PLAN, TYPE V, SYMMETRIC, 400W HPS 480V Deleted	12
												10	625	26262	10	EACH	LUMINAIRE, HIGH MAST, SOLID STATE (LED) ASSYMMETRICAL	10
												15	625	26262	15	EACH	LUMINAIRE, HIGH MAST, SOLID STATE (LED) SYMMETRICAL	10
												3	625	27501	3	EACH	LUMINAIRE, UNDERPASS, AS PER PLAN, 100W HPS [725.13], 480V Deleted	10
												2	625	27502	2	EACH	LUMINAIRE, UNDERPASS, SOLID STATE (LED) (100 WATT EQUIVALENT)	10
												10	625	27521	10	EACH	REMOVAL OF LUMINAIRE AND REERECTION, AS PER PLAN	12
												48	625	27700	48	FXMT	LUMINAIRE, MISC.: TUNNEL SOLID STATE, IES III-M, 3000-3300	12
												5,640	625	27700	5,640	FXMT	LUMINAIRE, MISC.: CONVENTIONAL, SOLID STATE (LED) 115, 120, 130 OR 133 WATT	12
												2,688	625	27700	2,688	FXMT	LUMINAIRE, MISC.: CONVENTIONAL, SOLID STATE (LED) 204, 210 OR 215 WATT	4
												4,584	625	27700	4,584	FXMT	LUMINAIRE, MISC.: CONVENTIONAL, STYLE B, TYPE II OR III, 200W HPS FIXTURE, 725.11	4
												2,640	625	27700	2,640	FXMT	LUMINAIRE, MISC.: CONVENTIONAL, STYLE B, TYPE II OR III, 250W HPS FIXTURE, 725.11	8&9
												960	625	27700	960	FXMT	LUMINAIRE, MISC.: CONVENTIONAL, STYLE C, TYPE III, 310W HPS FIXTURE 725.11	8&10
												9,912	625	27700	9,912	FXMT	LUMINAIRE, MISC.: HIGH MAST SOLID STATE (LED) ASSYMMETRIC	8&11
												29,472	625	27700	29,472	FXMT	LUMINAIRE, MISC.: HIGH MAST SOLID STATE (LED) SYMMETRIC	8&12
												312	625	27700	312	FXMT	LUMINAIRE, MISC.: POST TOP SOLID STATE LED 5300-8500 LUMENS	12
												1,176	625	27700	1,176	FXMT	LUMINAIRE, MISC.: UNDERPASS SOLID STATE (LED)	8&9
												600	625	27700	600	FXMT	LUMINAIRE, MISC.: UNDERPASS, 100W HPS FIXTURE, 725.11	8&9
												1,450	625	29000	1,450	FT	TRENCH	
												10	625	30701	10	EACH	PULL BOX, 725.08, 18", AS PER PLAN	10
												2	625	34001	2	EACH	POWER SERVICE, AS PER PLAN	10
												5	625	35521	5	EACH	REMOVE AND REERECT BRACKET ARM, AS PER PLAN	11
												450	625	36011	450	FT	UNDERGROUND WARNING/MARKING TAPE, AS PER PLAN	12
												10	625	36201	10	FT	POWER CABLE FOR LIGHT TOWER, AS PER PLAN	11
												60	625	50000	60	EACH	REPAIRING UNDERGROUND BREAK OF CABLE IN DUCT OR CONDUIT	11
												200	625	50100	200	EACH	TROUBLESHOOTING UNDERGROUND AND ABOVE GROUND CIRCUITRY PROBLEM	11
												1	625	50400	1	EACH	REPAIR INTEGRAL LUMINAIRE LOWERING MECHANISM OF TOWER LIGHTING FIXTURE	11
												50	SPECIAL	62550500	50	EACH	EMERGENCY RESPONSE-KNOCKDOWN, ROADWAY HAZARD AND/OR LIVE EXPOSED WIRE	11
												3	625	70001	3	EACH	LIGHTING CONTACTOR, AS PER PLAN: 60 AMP	11

GENERAL SUMMARY

DESIGN AGENCY



DESIGNER
KMK

REVIEWER
RMM 3/8/24

PROJECT ID
115548

SHEET TOTAL
P.15 16