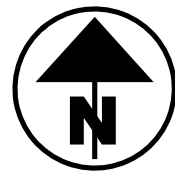


FOR PROJECT LOCATION MAPS,
SEE SHEETS P.2-P.3

LOCATION MAP

FOR PROJECT LOCATION COORDINATES, SEE SHEET P.2



STATE OF OHIO
DEPARTMENT OF TRANSPORTATION
D12 BH FY2026
MISCELLANEOUS

LOCATION	BRIDGE NUMBER	STRUCTURAL FILE NUMBER	CITY/TOWNSHIP
1	CUY-480-1686	1813099	BROOKLYN HEIGHTS
2	GEA-6-1067	2800071	HAMBDEN
3	GEA-166-0219	2801078	HAMBDEN
4	GEA-306-0845	2801264	RUSSELL
5	LAK-90-0243	4303482	WILLOUGHBY
6	CUY-90-0595	1807730	ROCKY RIVER

INDEX OF SHEETS:

TITLE SHEET	P.1	STRUCTURES	
LOCATION MAPS	P.2-P.3	STRUCTURE GENERAL NOTES	P.30-P.32
TYPICAL SECTIONS	P.4-P.5	LOCATION 1	P.33-P.37
GENERAL NOTES	P.6-P.7	LOCATION 2	P.38-P.40
MAINTENANCE OF TRAFFIC		LOCATION 3	P.41-P.48
MOT GENERAL NOTES	P.8-P.11	LOCATION 4	P.49-P.53
MOT SUBSUMMARIES	P.12-P.13	LOCATION 5	P.54-P.55
LOCATION 1	P.14	LOCATION 6	P.56-P.59
LOCATION 2	P.15-P.19		
LOCATION 3	P.20-P.22		
LOCATION 4	P.23-P.25		
LOCATION 5	P.26		
GENERAL SUMMARY	P.27-P.28		
ROADWAY SUBSUMMARY	P.29		

FEDERAL PROJECT NUMBER

E251020

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF VARIOUS REPAIRS INCLUDING WEARING SURFACE REPLACEMENTS, PATCHING AND SEALING OF CONCRETE STRUCTURES, PIER REPAIRS, EXPANSION JOINT REPLACEMENT, APPROACH SLAB REPLACEMENT, AND OTHER MISCELLANEOUS REPAIRS.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	N/A ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	N/A ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	N/A ACRES

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.

FOR LOCATIONS 1, 5 :

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT DETOURS WILL BE PROVIDED AS INDICATED ON SHEETS P.14,P.26.

FOR LOCATIONS 2, 3, 4, 6 :

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.


John Picuri, P.E., P.S.
District 12 Deputy Director


Pamela Boratyn
Director, Department of Transportation

DESIGN EXCEPTIONS

NONE REQUIRED

ADA DESIGN WAIVERS

NONE REQUIRED

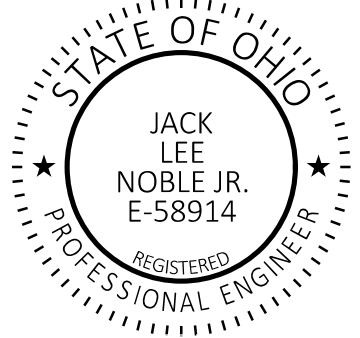
UNDERGROUND UTILITIES
Contact Two Working Days
Before You Dig


OHIO811.org
Before You Dig

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

PLAN PREPARED BY:
THE MARKOSKY ENGINEERING GROUP, INC.
500 MARKET STREET, SUITE 3
STEUBENVILLE, OH 43952

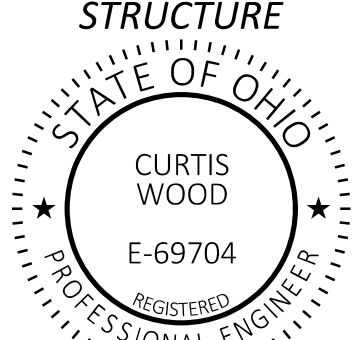
ENGINEER'S SEAL
FOR ENTIRE PLAN SET EXCEPT
LAK-90-0243, GEA-6-1067,
GEA-306-0845



ENGINEER'S SEAL
LAK-90-0243
MAINTENANCE OF TRAFFIC



ENGINEER'S SEAL
LAK-90-0243
STRUCTURE



STANDARD CONSTRUCTION DRAWINGS						SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
BP-3.1	1/19/24	MT-98.29	1/17/20			800-2023 7/18/25 832 7/18/25 848 7/19/24	ASBESTOS REPORT 1/6/2024
MGS-3.3	1/18/13	MT-101.60 MT-101.70 MT-110.10	1/17/25 7/19/24 7/19/13			874 4/17/20 875 1/17/25 921 7/19/24	
RM-4.1	1/17/20						
BR-1-13	1/17/14						
DBR-2-73	7/19/02						
DS-1-92	7/22/25						
EXJ-3-82	1/18/13						
EXJ-4-87	1/19/24						
TST-2-21	1/17/25						
MT-95.30	7/19/19						
MT-96.11	7/21/23						
MT-96.20	1/17/25						

ENGINEER'S SEAL
GEA-6-1067, GEA-306-0845



DESIGN AGENCY


MARKOSKY

500 MARKET STREET, SUITE 3
STEUBENVILLE, OH 43952

DESIGNER

GJK

REVIEWER

SPR 08/18/25

PROJECT ID

117826

SHEET	TOTAL
P.1	59

SHEET NUMBER											PART.			ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
7	8	9	10	11	12	13	42	50	54	57	01/NHS	02/STR	03/S>2		EXT	TOTAL			
							4					4		519	11100	4	SF	STRUCTURE REPAIR (GEA-166-0219 or 2801078) CONT.	
							356					356		848	10000	356	SY	MICRO SILICA MODIFIED CONCRETE OVERLAY USING HYDRODEMOLITION (1 3/4" THICKNESS)	
							356					356		848	20000	356	SY	SURFACE PREPARATION USING HYDRODEMOLITION	
							5					5		848	30000	5	CY	MICRO SILICA MODIFIED CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY	
							65					65		848	50000	65	SY	HAND CHIPPING	
							LS					LS		848	50100	LS		TEST SLAB	
							356					356		848	50321	356	SY	EXISTING CONCRETE OVERLAY REMOVED, AS PER PLAN, (1 3/4" NOMINAL THICKNESS)	31
																		STRUCTURE REPAIR (GEA-306-0845 or 2801264)	
								325					325	202	23501	325	SY	WEARING COURSE REMOVED, AS PER PLAN	52
								106					106	202	38501	106	FT	BRIDGE RAILING REMOVED, AS PER PLAN	52
								36					36	407	10000	36	GAL	TACK COAT	
								33					33	441	70101	33	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), AS PER PLAN, PG70-22M	52
								3					3	512	10100	3	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
								68					68	512	10600	68	FT	CONCRETE REPAIR BY EPOXY INJECTION	
								205					205	512	33010	205	SY	TYPE 3 WATERPROOFING	
								72					72	516	10501	72	FT	STRUCTURAL EXPANSION JOINT INCLUDING ELASTOMERIC COMPRESSION SEAL, AS PER PLAN	30
								106					106	517	72511	106	FT	RAILING (DEEP BEAM RAIL WITH 3 STEEL TUBULAR BACKUPS AND STEEL POSTS), AS PER PLAN	30
								114					114	SPECIAL	51822300	114	FT	STEEL DRIP STRIP	
								236					236	519	11100	236	SF	PATCHING CONCRETE STRUCTURE	
								25					25	SPECIAL	51911600	25	SF	PATCHING CONCRETE STRUCTURE: REPAIR CORRODED REINFORCING USING ZINC	30
																		STRUCTURE REPAIR (LAK-90-0243 or 4303482)	
								LS			LS			202	11201	LS		PORTIONS OF STRUCTURE REMOVED, AS PER PLAN	30
								84			84			512	10600	84	FT	CONCRETE REPAIR BY EPOXY INJECTION	
								603			603			513	90000	603	LB	STRUCTURAL STEEL, MISC.: EXPANSION JOINT COVER PLATE	30
																		STRUCTURE REPAIR (CUY-90-0595 or 1807730)	
										213	213			512	10100	213	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
										25	25			512	10600	25	FT	CONCRETE REPAIR BY EPOXY INJECTION	
										912	912			SPECIAL	51900100	912	SF	COMPOSITE FIBER WRAP SYSTEM	31
										508	508			519	11101	508	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	30
																		MAINTENANCE OF TRAFFIC	
					2,250	846						2,250	846	512	74500	3,096	FT	REMOVAL OF EXISTING PAVEMENT MARKING	
				480							320	80	80	614	11110	480	HO	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
	14											10	4	SPECIAL	61411300	14	EACH	WORK ZONE TRAFFIC SIGNAL	8
					8	4						8	4	614	12380	12	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL)	
		LS									LS			614	12420	LS		DETOUR SIGNING	
					28							28		614	13000	28	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	
					24	11						24	11	614	13310	35	EACH	BARRIER REFLECTOR, TYPE 1, BIDIRECTIONAL	
					24	11						24	11	614	13360	35	EACH	OBJECT MARKER, TWO WAY	
		2									2			614	18601	2	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	9
					0.74							0.74		614	21000	0.74	MILE	WORK ZONE CENTER LINE, CLASS I	
					0.59	0.32						0.59	0.32	614	22000	0.91	MILE	WORK ZONE EDGE LINE, CLASS I, 4"	
					88	48						88	48	614	26000	136	FT	WORK ZONE STOP LINE, CLASS I	
					780	452						780	452	622	41100	1,232	FT	PORTABLE BARRIER, UNANCHORED	
					240							240		622	41110	240	FT	PORTABLE BARRIER, ANCHORED	
			6									4	2	625	98000	6	EACH	LIGHTING, MISC.: SIGNAL SUPPORT MOUNTED	10
																		INCIDENTALS	
	LS										LS	LS	LS	614	11000	LS		MAINTAINING TRAFFIC	
7											4	2	1	619	16011	7	MNTH	FIELD OFFICE, TYPE B, AS PER PLAN	7
											LS	LS	LS	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
											LS	LS	LS	624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

DESIGN AGENCY



MARKOSKY

500 MARKET STREET, SUITE 3
STEUBENVILLE, OH 43952

DESIGNER

RFF

REVIEWER

SPR 08/18/25

PROJECT ID

117826

SHEET

P.28

TOTAL

59

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 11/25/2025 TIME: 1:16:32 PM USER: dbacho
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ESTIMATED QUANTITIES - LOCATION 3
BRIDGE NO: GEA-166-0219
SR166 OVER BATES CREEK

SFN	
2801078	
DESIGN AGENCY	
 MARKOSKY	
500 MARKET STREET, SUITE STUEBENVILLE, OH 43952	
DESIGNER	CHECKER
DMB	BPD
REVIEWER	
JLN 08/18/25	
PROJECT ID	
117826	
SUBSET	TOTAL
2	8
SHEET	TOTAL
P.42	59