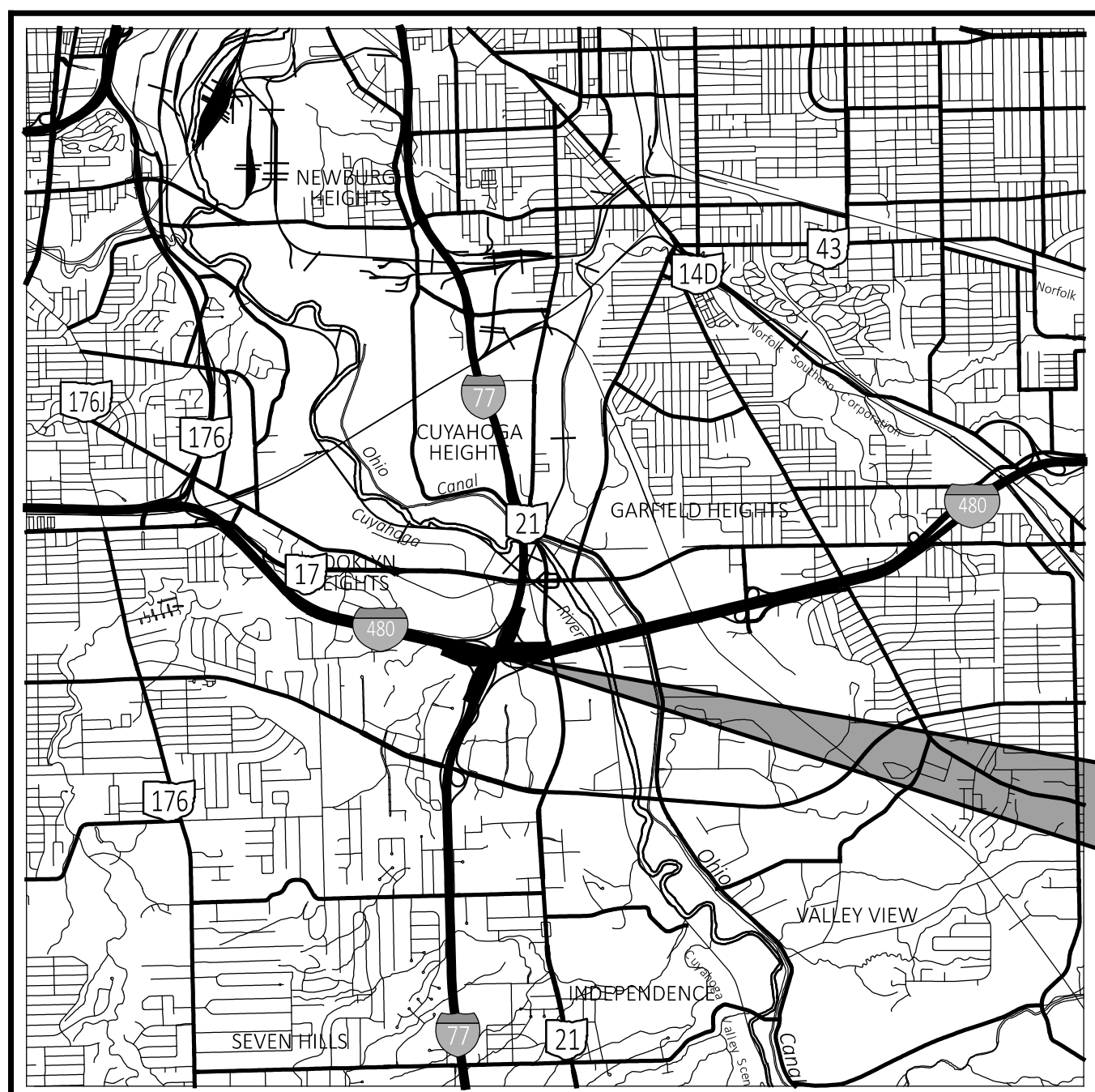


STATE OF OHIO DEPARTMENT OF TRANSPORTATION

CUY IR 480 17.87WN/ 17.90ES DECKS

CITY OF INDEPENDENCE
CUYAHOGA COUNTY



LOCATION MAP

LATITUDE: 41°24'26" N LONGITUDE: 81°38'49" W



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

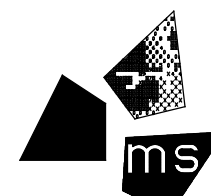
DESIGN DESIGNATION

RAMP ES		RAMP WN	
CURRENT ADT (2026)	14,800	CURRENT ADT (2026)	3,700
DESIGN YEAR ADT (2046)	16,000	DESIGN YEAR ADT (2046)	3,700
DESIGN HOURLY VOLUME (2046)	1,600	DESIGN HOURLY VOLUME (2046)	370
DIRECTIONAL DISTRIBUTION	100%	DIRECTIONAL DISTRIBUTION	100%
TRUCKS (24 HOUR B&C)	5%	TRUCKS (24 HOUR B&C)	9%
Td	4%	Td	5%
DESIGN SPEED	55 MPH	DESIGN SPEED	55 MPH
LEGAL SPEED	55 MPH	LEGAL SPEED	55 MPH
DESIGN FUNCTIONAL CLASSIFICATION:		DESIGN FUNCTIONAL CLASSIFICATION:	
01 - INTERSTATES (URBAN)		01 - INTERSTATES (URBAN)	
NHS PROJECT	YES	NHS PROJECT	YES

ADA DESIGN WAIVERS

N/A

PLAN PREPARED BY:



ms consultants, inc.
ENGINEERS, ARCHITECTS & PLANNERS
333 E. FEDERAL STREET
YOUNGSTOWN, OHIO 44503
PHONE (330) 744-5321



4208 PROSPECT AVE., E
CLEVELAND, OHIO 44103

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)

INDEX OF SHEETS:

TITLE SHEET
SCHEMATIC PLAN
TYPICAL SECTIONS
GENERAL NOTES
MAINTENANCE OF TRAFFIC
GENERAL SUMMARY
ROADWAY SUBSUMMARY
PAVEMENT SUBSUMMARY
PLAN AND PROFILE (RAMPS E-S & W-N)
CROSS SECTIONS (RAMPS E-S & W-N)
SUPERELEVATION TABLES
TRAFFIC CONTROL PLAN
STRUCTURES OVER 20' SPAN
STRUCTURE GENERAL NOTES
CUY-480-1787
CUY-480-1790

DESIGN EXCEPTIONS

P.	DESIGN FEATURE	APPROVAL DATES	SHEET NUMBERS
P.1			
P.2-P.3			
P.4-P.9	VERTICAL CLEARANCE (RAMP E-S)	04/24/2023	P.28, P.38, P.111
P.10-P.11	VERTICAL CLEARANCE (RAMP W-N)	04/05/2023	P.28, P.38, P.64, P.65
P.12-P.20	HORIZONTAL STOPPING SIGHT DISTANCE (RAMP W-N)	05/09/2023	P.37
P.21-P.22			
P.23			
P.24	SUPERELEVATION RATE (RAMP E-S)	05/09/2023	P.27, P.29, P.37, P.38, P.39
P.25-P.40	SUPERELEVATION RATE (RAMP W-N)	04/05/2023	P.27, P.29, P.37, P.38, P.39
P.41-P.50	SHOULDER WIDTH (RAMP E-S)	09/21/2023	P.27, P.29
P.51-P.52	SHOULDER WIDTH (RAMP W-N)	09/21/2023	P.35, P.37
P.53-P.61	DESIGN LOADING STRUCTURAL CAPACITY (RAMP E-S)	09/21/2023	P.111
P.62-P.63	DESIGN LOADING STRUCTURAL CAPACITY (RAMP W-N)	09/21/2023	P.64
P.64-P.110			
P.111-P.158			

FEDERAL PROJECT NUMBER

E240375

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

THE PROJECT CONSISTS OF REPLACING THE DECKS OF THE IR-480 EB & WB RAMP BRIDGES TO IR-77 OVER MAINLINE IR-480 IN THE CITY OF INDEPENDENCE. ADDITIONAL WORK ALSO INCLUDES APPROACH SLABS, EXPANSION JOINTS, FULL DEPTH PAVEMENT AND RESURFACING RAMPS ES AND WN FOR AN APPROXIMATE LENGTH OF 5,550 FEET.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	2.0 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	3.1 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	5.1 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.

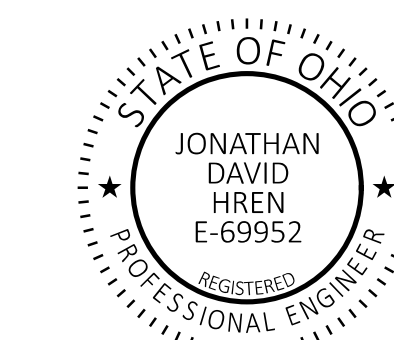
I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY EXCEPT AS NOTED ON SHEETS 16-18, AND THAT DETOURS WILL BE PROVIDED AS INDICATED ON THE PLANS.

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

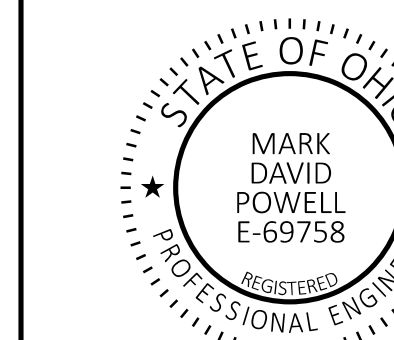
Jack Marchbanks, PhD
Director, Department of Transportation

STANDARD CONSTRUCTION DRAWINGS						SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS	
BP-2.2	1-15-21	TC-41.20	10/18/13	MT-95.30	07/19/19	SS 800	01/19/24	WATERWAY PERMIT 10/25/24
BP-3.1	1-19-24	TC-41.30	04/21/23	MT-95.45	07/21/23	SS 807	01/21/22	
		TC-42.20	10/18/13	MT-98.29	01/17/20	SS 808	01/18/19	
MGS-1.1	7-16-21	TC-52.10	10/18/13	MT-104.10	01/19/24	SS 821	04/20/12	
MGS-3.1	1-19-18	TC-52.20	01/15/21	MT-105.10	01/17/20	SS 832	07/19/24	
MGS-4.2	7-19-13	TC-61.10	04/21/23			SS 850	07/21/23	
MGS-6.1	1-19-18	TC-61.30	07/19/19	AS-1-15	01/20/23	SS 869	10/17/14	
		TC-65.10	01/17/14	AS-2-15	07/21/23	SS 908	10/20/17	
DM-1.1	7-17-20	TC-65.11	01/19/24	EXJ-4-87	07/21/23	SS 921	04/20/12	
DM-1.2	7-16-21	TC-87.10	07/21/23	GSD-1-19	01/15/21			
				SBR-1-20	07/21/23			
				A-1-20	01/21/22			

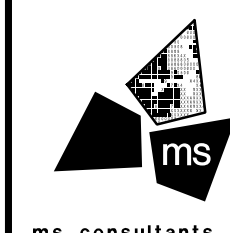
ENGINEER'S SEAL
MS CONSULTANTS, INC.



ENGINEER'S SEAL
DLZ



DESIGN AGENCY



DESIGNER
MSN

REVIEWER
SWG 02/01/24

PROJECT ID
110810

SHEET TOTAL
P.1 158

TITLE SHEET

CUY IR 480 17.87WN/17.90ES DECKS

MODEL: Sheet PAPER: 34x22 (in.) DATE: 10/28/2024 TIME: 11:07:49 AM USER: JPenman N:\01\6008393-00\110810\400-Engineering\Roadway\Sheets\110810_GTO001.dgn