



**LOCATION MAP**

LATITUDE: 40 °07'08" LONGITUDE: 82 °52 '59"

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

**DESIGN DESIGNATION**

CURRENT ADT (2024)	64,716
DESIGN YEAR ADT (2045)	86,550
DESIGN HOURLY VOLUME (2045)	9,080
DIRECTIONAL DISTRIBUTION	50%
TRUCKS (24 HOUR B&C)	8%
DESIGN SPEED	70 MPH
LEGAL SPEED	65 MPH
DESIGN FUNCTIONAL CLASSIFICATION:	
02 OTHER FREEWAY & EXPRESSWAY (URBAN)	
NHS PROJECT	YES

**DESIGN EXCEPTIONS**

NONE REQUIRED

**ADA DESIGN WAIVERS**

NONE REQUIRED

**UNDERGROUND UTILITIES**  
Contact Two Working Days Before You Dig

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

PLAN PREPARED BY:  
ARCADIS - IBI GROUP  
8101 North High Street  
Columbus, OH 43235  
tel 614 818 4900 fax 614 818 4901

# STATE OF OHIO DEPARTMENT OF TRANSPORTATION

## FRA-161-15.80 NOISE ABATEMENT

### CITY OF COLUMBUS AND NEW ALBANY PLAIN TOWNSHIP FRANKLIN COUNTY

**INDEX OF SHEETS:**

TITLE SHEET	P.1
SCHEMATIC PLAN	P.2 - P.5
TYPICAL SECTIONS	P.6 - P.8
GENERAL NOTES	P.9 - P.11
MAINTENANCE OF TRAFFIC	P.12 - P.23
GENERAL SUMMARY	P.24 - P.25
SUBSUMMARIES	P.26 - P.28
PROJECT SITE PLAN	P.29 - P.32
PLAN AND PROFILE - WALL 3 / 81" BARRIER 3	P.33 - P.35
PLAN AND PROFILE - WALL 6 / 81" BARRIER 6	P.36 - P.38
PLAN AND PROFILE - WALL 8	P.39 - P.43
PLAN AND PROFILE - WALL 9	P.44 - P.46
PLAN AND PROFILE - 81" BARRIER 10	P.47 - P.50
PLAN AND PROFILE - WALL 11	P.51 - P.54
PLAN AND PROFILE - WALL 12 / 81" BARRIER 12	P.55 - P.57
PLAN AND PROFILE - WALL 15	P.58 - P.62
CROSS SECTIONS - WALL 3 / 81" BARRIER 3	P.63 - P.75
CROSS SECTIONS - WALL 6 / 81" BARRIER 6	P.76 - P.93
CROSS SECTIONS - WALL 8	P.94 - P.123
CROSS SECTIONS - WALL 9	P.124 - P.139
CROSS SECTIONS - 81" BARRIER 10	P.140 - P.156
CROSS SECTIONS - WALL 11	P.157 - P.173
CROSS SECTIONS - WALL 12 / 81" BARRIER 12	P.174 - P.189
CROSS SECTIONS - WALL 15	P.190 - P.213
NOISE WALL DETAILS	P.214 - P.221
81" SINGLE SLOPE BARRIER DETAILS	P.222 - P.231
SOIL PROFILES	P.232 - P.297

FIRM PANELS: 39049C0203K  
MAP EFFECTIVE DATE: JUNE 17, 2008  
BFE: 957.40  
FLOOD ZONES AE & X

FIRM PANELS: 39049C0204K  
MAP EFFECTIVE DATE: JUNE 17, 2008  
BFE: 974  
FLOOD ZONES AE & X

NO FILL WILL BE ADDED IN THE  
100-YEAR FLOOD PLAIN.

NOTE:  
FOR CITY OF COLUMBUS AND CITY OF NEW ALBANY SIGNATURES, SEE SEPARATE SIGNATURE PAGE

STANDARD CONSTRUCTION DRAWINGS						SUPPLEMENTAL SPECIFICATIONS		SPECIAL PROVISIONS	
BP-3.1	1/19/24	NBS-1-09	7/15/22	TC-41.10	7/19/13	800-2023	1/19/24		
BP-5.1	7/15/22			TC-41.20	10/18/13	821	4/20/12		
		MT-95.30	7/19/19	TC-42.10	10/18/13	832	7/21/23		
DM-1.1	7/17/20	MT-95.40	7/21/23	TC-42.20	10/18/13	878	1/21/22		
DM-1.2	7/16/21	MT-95.45	7/21/23	TC-51.11	1/15/16				
DM-4.1	7/17/20	MT-95.50	7/21/17	TC-61.30	7/19/19	921	4/20/12		
F-1.1	7/19/13	MT-98.10	1/17/20	HL-30.31	1/19/24				
F-3.3	7/19/13	MT-98.11	1/17/20						
F-3.4	7/19/13	MT-98.21	7/21/23	BR-1 REV.	4/03/90				
		MT-98.22	1/17/20						
MGS-1.1	7/16/21			RM-4.3	1/21/22				
MGS-2.1	1/19/18	MT-98.29	1/17/20	RM-4.5	7/21/17				
MGS-3.1	1/19/18	MT-99.20	4/19/19	RM-4.6	7/19/13				
MGS-5.3	7/15/16	MT-101.70	4/21/23						
		MT-101.75	7/21/23						

**FEDERAL PROJECT NUMBER**

NON-FEDERAL

**RAILROAD INVOLVEMENT**

NONE

**PROJECT DESCRIPTION**

INSTALLATION OF 8,406 FEET OF NOISE WALL AND 4,836 FEET OF 81" SINGLE SLOPE BARRIER AT VARIOUS LOCATIONS ALONG STATE ROUTE 161 BETWEEN ULRY ROAD AND US 62. THIS PROJECT SUPPLEMENTS THE FRA-161-15.80 WIDENING PROJECT.

**EARTH DISTURBED AREAS**

PROJECT EARTH DISTURBED AREA:	7.95 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.25 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	8.20 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 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.

*Anthony C. Turowski*

Anthony C. Turowski, P.E.  
District 06 Deputy Director

*Jack Marchbanks*

Jack Marchbanks, PhD  
Director, Department of Transportation

ENGINEER'S SEAL	ENGINEER'S SEAL
	<p>FOR WALL 11</p>

DESIGN AGENCY  
**ARCADIS**  
8101 NORTH HIGH STREET SUITE 100  
COLUMBUS, OHIO 43235  
www.arcadis.com

DESIGNER  
**JMK**

REVIEWER  
**JDH 05-22-24**

PROJECT ID  
**117607**

SHEET TOTAL  
3973-E P.1 | P.297  
DOW#23-107