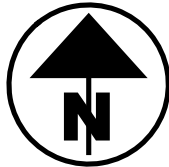


LOCATION MAP

LATITUDE: N 41°25'50" LONGITUDE: W 81°36'10"



| | | |
|-------------------------|-------|-------|
| PORTION TO BE IMPROVED | _____ | ===== |
| INTERSTATE HIGHWAY | _____ | ===== |
| FEDERAL ROUTES | _____ | ===== |
| STATE ROUTES | _____ | ===== |
| COUNTY & TOWNSHIP ROADS | _____ | ===== |
| OTHER ROADS | _____ | ===== |

DESIGN DESIGNATION

| ROUTE | ADT (2026) | ADTT (2026) | ADT (2046) | ADTT (2046) | D | DESIGN SPEED | LEGAL SPEED | DESIGN FUNC. CLASS | NHS ROUTE? |
|-------------------------|------------|-------------|------------|-------------|------|--------------|-------------|---------------------------------|------------|
| S.R. 14 (BROADWAY AVE.) | 18500 | 1295 | 19000 | 1330 | 0.51 | 35 | 35 | 03 - PRINCIPAL ARTERIAL (URBAN) | Y |
| C.R. 240 (HENRY ST.) | 7000 | 630 | 7500 | 675 | 0.54 | 25 | 25 | 07 - LOCAL (URBAN) | N |
| CHAINCRAFT RD. | | | | | | 25 | | 07 - LOCAL (URBAN) | N |

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:

AECOM

564 WHITE POND DRIVE AKRON, OHIO 44320-1100
(330) 836-9111

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

CUY-14-6.93

RECONSTRUCTION OF THE EXISTING GRADE-SEPARATED
CROSSING WITH THE NORFOLK SOUTHERN RAILROAD
AND WHEELING AND LAKE ERIE RAILROAD

CITY OF GARFIELD HEIGHTS
CUYAHOGA COUNTY

INDEX OF SHEETS:

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| BRIDGE NO. CUY-CR00240-00.610 | P.308 - P.321 |
| MSE WALLS | P.322 - P.328, P.328A, P.328B, P.329 - P.346 |
| SOIL PROFILE | P.347 - P.399 |

| STANDARD CONSTRUCTION DRAWINGS | | | | | | | | | | | | SUPPLEMENTAL SPECIFICATIONS | | SPECIAL PROVISIONS | |
|--------------------------------|---------|---------|---------|----------|---------|----------|----------|-----------|---------|----------|---------|-----------------------------|---------|-------------------------------|--|
| BP-2.2 | 1/15/21 | CB-2-2B | 7/19/24 | WQ-1.2 | 1/15/16 | TC-41.20 | 10/18/13 | MT-95.31 | 7/19/19 | AS-1-15 | 1/20/23 | 800 | 7/19/24 | WATERWAY PERMIT 03/07/2025 | |
| BP-3.1 | 1/19/24 | CB-2-3 | 7/19/24 | | | TC-41.30 | 4/21/23 | MT-95.41 | 7/21/23 | AS-2-15 | 1/20/23 | 809 | 7/19/24 | | |
| BP-3.2 | 1/18/19 | CB-3 | 7/19/24 | HL-10.11 | 7/21/23 | TC-41.40 | 10/18/13 | MT-95.50 | 7/21/17 | BR-2-15 | 7/19/24 | 813 | 7/21/23 | | |
| BP-4.1 | 7/19/13 | CB-3A | 7/19/24 | HL-10.12 | 7/21/23 | TC-42.20 | 10/18/13 | MT-96.11 | 7/21/23 | EXJ-4-87 | 1/19/24 | 825 | 7/19/24 | | |
| BP-5.1 | 7/15/22 | | | HL-10.13 | 1/20/23 | TC-52.10 | 10/18/13 | MT-96.20 | 7/21/23 | GSD-1-19 | 7/19/24 | 832 | 7/19/24 | | |
| BP-7.1 | 7/19/24 | DM-1.1 | 7/17/20 | HL-20.11 | 7/21/23 | TC-52.20 | 1/15/21 | MT-97.10 | 4/19/19 | PCB-91 | 7/17/20 | 836 | 1/19/24 | | |
| | | DM-1.2 | 7/16/21 | HL-20.14 | 4/17/20 | TC-71.10 | 4/21/23 | MT-97.11 | 1/20/17 | VPF-1-24 | 7/19/24 | 840 | 7/19/24 | | |
| RM-1.1 | 1/20/23 | DM-4.2 | 7/20/12 | HL-30.11 | 7/21/23 | TC-74.10 | 7/21/23 | MT-101.60 | 4/21/23 | | | 867 | 4/15/22 | | |
| RM-4.2 | 4/17/20 | DM-4.3 | 1/15/16 | HL-30.21 | 4/17/20 | TC-81.11 | 1/19/24 | MT-101.70 | 7/19/24 | | | 895 | 4/18/14 | | |
| RM-4.5 | 1/17/25 | DM-4.4 | 1/15/16 | HL-30.22 | 1/15/21 | TC-81.22 | 7/21/23 | MT-101.75 | 7/21/23 | | | 909 | 7/19/24 | | |
| RM-4.6 | 7/19/24 | | | HL-30.31 | 7/19/24 | TC-83.10 | 1/17/20 | MT-103.10 | 1/21/22 | | | 913 | 4/16/21 | | |
| | | HW-2.1 | 7/15/22 | HL-40.20 | 7/19/24 | TC-83.20 | 7/19/24 | MT-105.10 | 1/17/20 | | | 961 | 4/17/20 | | |
| MH-1 | 7/15/22 | HW-2.2 | 7/20/18 | HL-50.11 | 1/16/15 | TC-85.10 | 1/19/24 | MT-110.10 | 7/19/13 | | | 995 | 7/17/15 | | |
| MH-2 | 7/19/24 | | | HL-50.21 | 7/15/22 | TC-85.20 | 4/21/23 | | | | | | | | |
| MH-3 | 7/19/24 | | | HL-60.11 | 7/21/17 | | | | | | | | | | |
| MH-5 | 7/19/24 | | | HL-60.31 | 7/19/24 | | | | | | | | | | |

FEDERAL PROJECT NUMBER

E190 (250)

RAILROAD INVOLVEMENT

NORFOLK SOUTHERN AND WHEELING AND LAKE ERIE

PROJECT DESCRIPTION

REPLACE THE WHITEHOUSE CROSSING BRIDGE (SR-14) OVER THE NORFOLK AND SOUTHERN RAILROAD ON A NEW ALIGNMENT. WORK INCLUDES NEW PAVEMENT, CURBS, WALKS, STORM DRAINAGE, 22'X7' AND 8'X4' CULVERTS, MSE WALLS, WATERLINE AND SANITARY RELOCATIONS, TRAFFIC SIGNAL, SIGNING AND PAVEMENT MARKINGS, AND LIGHTING.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA: 7.72 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA: 1.00 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA: 8.72 ACRES

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 EXCEPT FOR THE SIDE ROADS AS DESCRIBED ON SHEET P.25 AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

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

Pamela Boratyn
Director, Department of Transportation

| ENGINEER'S SEAL | ENGINEER'S SEAL |
|------------------------|--------------------------|
| FOR SHEETS P.1 - P.208 | FOR SHEETS P.209 - P.399 |
| | |

DESIGN AGENCY

AECOM

564 White Pond Drive
Akron, OH 44320
(330) 836-9111
www.aecom.com

DESIGNER

RJJ

REVIEWER

WFS 08/05/24

PROJECT ID

104132

SHEET

P.1

TOTAL

399

| SEQUENCE OF CONSTRUCTION AND INTERIM COMPLETION DATE TABLE | CONSTRUCTION PHASE | PHASE 1 | | | | |
|--|-------------------------|---|---|--|--|---|
| PROJECT LOCATION | CONSTRUCTION SUB-PHASE | STEP 1 | STEP 2 | STEP 3 | STEP 4 | STEP 5 |
| | BEGIN DATE (SEE NOTE 1) | APRIL 22, 2025 (ANTICIPATED NOTICE TO PROCEED) | (SEE NOTE 5) | OCTOBER 1, 2026 (SEE NOTE 5) | (SEE NOTE 5) | OCTOBER 1, 2027 (SEE NOTE 5) |
| | END DATE (SEE NOTE 1) | (SEE NOTE 5) | ICD#1= SEPTEMBER 30, 2026 (SEE NOTE 2) | (SEE NOTE 5) | ICD#2= SEPTEMBER 30, 2027 (SEE NOTE 2) | ICD#3 = OCTOBER 31, 2027 (SEE NOTES 2 & 5) |
| NORTH OF RAILROAD PROPERTIES | SR 14 | MAINTAIN EXISTING TRAFFIC PATTERN (SEE NOTE 3); COMPLETE ALL GROUND IMPROVEMENTS FOR PROPOSED FORWARD ABUTMENT, WALL 3, AND WALL 4, AND GROUND IMPROVEMENTS FOR WALL 6 FROM PROPOSED FORWARD ABUTMENT TO STA 381+30; REMOVE EXISTING FORWARD ABUTMENT TO PHASE 1 LIMITS SHOWN ON PLANS | MAINTAIN EXISTING TRAFFIC PATTERN (SEE NOTE 6); COMPLETE WALL 4; CONSTRUCT WALL 3 AS NEEDED FOR OLD BROADWAY CONSTRUCTION BUT NOT TO IMPEDE DETOURED TRAFFIC OR PROPOSED FORWARD ABUTMENT CONSTRUCTION | MAINTAIN ONE LANE EACH WAY ON EXISTING EASTBOUND LANES; COMPLETE PROPOSED FORWARD ABUTMENT; COMPLETE WALL 3; CONSTRUCT WALL 6 FULL HEIGHT FOR A MINIMUM OF 75 FEET BEGINNING AT THE PROPOSED FORWARD ABUTMENT AND MEASURED ALONG SR14 CENTERLINE | COMPLETE ALL OTHER PHASE 1 WORK FROM PROPOSED FORWARD ABUTMENT TO END PROJECT EXCEPT FOR FINAL PAVING/STRIPING/SIGNING | COMPLETE PAVING REQUIRED TO IMPLEMENT PHASE 2 MOT, ALONG WITH STRIPING, SIGNING |
| | OLD BROADWAY | CONSTRUCT TEMPORARY DRIVE, THEN MAINTAIN EXISTING OLD BROADWAY TRAFFIC AS IS AND ON TEMPORARY DRIVE TO COMPLETE THE FOLLOWING: ALL GROUND IMPROVEMENTS FOR FORWARD ABUTMENT AND APPROACHES, ALL RMR REMEDIATION; AND ALL UTILITY RELOCATIONS IMPACTED BY THIS WORK. CONSTRUCT OLD BROADWAY DETOUR AFTER ABOVE WORK IS COMPLETED, THEN MOVE OLD BROADWAY TRAFFIC TO THE DETOUR; (SEE NOTE 3) | MAINTAIN DETOUR; COMPLETE CONSTRUCTION OF PROPOSED OLD BROADWAY, EXCEPT FOR FINAL PAVING/STRIPING/SIGNING, WHICH INCLUDES SANITARY SEWER RELOCATION, STORM SEWER, AND ALL DOWNSTREAM STORM SEWER, BMP, MANHOLES, AND HEADWALL; THEN MOVE OLD BROADWAY TRAFFIC TO NEW CONSTRUCTION, INCLUDING TEMPORARY DRIVES | MAINTAIN TRAFFIC ON COMPLETED CONSTRUCTION | MAINTAIN TRAFFIC ON COMPLETED CONSTRUCTION | MAINTAIN TRAFFIC ON COMPLETED CONSTRUCTION |
| THROUGH AND ADJACENT TO RAILROAD PROPERTIES | SR 14 | MAINTAIN EXISTING TRAFFIC PATTERN; BEGIN CONSTRUCTION OF ALL PILE DRIVING, FOOTINGS, STEMS, ETC., FOR PIER 1 (SEE NOTE 3) | MAINTAIN EXISTING TRAFFIC PATTERN (SEE NOTE 6); COMPLETE CONSTRUCTION OF ALL PILE DRIVING, FOOTINGS, STEMS, ETC., FOR PIER 1 AND PIER 2 | MAINTAIN ONE LANE EACH WAY ON EXISTING EASTBOUND LANES | COMPLETE ENTIRE SUPERSTRUCTURE OF PROPOSED BRIDGE EXCEPT FOR STRIPING | COMPLETE STRIPING REQUIRED FOR PHASE 2 MOT |
| SOUTH OF RAILROAD PROPERTIES | SR 14 | MAINTAIN EXISTING TRAFFIC PATTERN; (SEE NOTE 3) | MAINTAIN EXISTING TRAFFIC PATTERN (SEE NOTE 6) | MAINTAIN ONE LANE EACH WAY ON EXISTING EASTBOUND LANES; REMOVE EXISTING WESTBOUND SUPERSTRUCTURE AND SUBSTRUCTURE OF CONCRETE SPANS TO LIMITS SHOWN ON PLANS; INSTALL TEMPORARY SIGNAL AT HENRY STREET AND REMOVE EXISTING SIGNAL; COMPLETE CONSTRUCTION OF ALL PILE DRIVING, FOOTING, STEM, ETC., FOR REAR ABUTMENT | COMPLETE WALL 1 AND WALL 2; COMPLETE ALL OTHER PHASE 1 WORK FROM BEGIN PROJECT TO REAR ABUTMENT EXCEPT FOR FINAL PAVING/STRIPING/SIGNING | COMPLETE PAVING REQUIRED TO IMPLEMENT PHASE 2 MOT, ALONG WITH STRIPING, SIGNING |
| | HENRY STREET | MAINTAIN EXISTING TRAFFIC PATTERN; (SEE NOTE 3) | MAINTAIN EXISTING TRAFFIC PATTERN | MAINTAIN EXISTING TRAFFIC PATTERN; INSTALL TEMPORARY SIGNAL AT SR 14 AND REMOVE EXISTING SIGNAL | MAINTAIN EXISTING TRAFFIC PATTERN USING TEMPORARY SIGNAL | MAINTAIN EXISTING TRAFFIC PATTERN USING TEMPORARY SIGNAL UNTIL SR 14 TRAFFIC IS SWITCHED OVER TO THE NEW CONSTRUCTION |
| | CHAINCRAFT ROAD | REDUCE TO ONE LANE OF TWO-WAY TRAFFIC ON EXISTING EASTBOUND LANE WITH TEMPORARY SIGNAL PER MT-96.11 TO ALLOW PIER 1 CONSTRUCTION AND TO COMPLETE PROPOSED MASONRY COLLAR AND 4X6 CULVERT REPLACEMENT, AND COMPLETE SANITARY SEWER RELOCATION; (ALSO SEE NOTE 3) | SWITCH TO MAINTAIN ONE LANE OF TWO-WAY TRAFFIC WITH TEMPORARY SIGNAL ON EXISTING WESTBOUND LANE PER MT-96.11 TO COMPLETE 4X6 CULVERT REPLACEMENT, CHAINCRAFT STORM SEWER AND MANHOLE, JUNCTION CHAMBER #1, AND 4x8 CULVERT RELOCATION TO THE DOWNSTREAM TEMPORARY TIE-IN TO THE 22x7 MILL CREEK CULVERT (SEE NOTE 4) | KEEP ONE LANE OF TWO-WAY TRAFFIC WITH TEMPORARY SIGNAL ON EXISTING WESTBOUND LANE PER MT-96.11 TO ALLOW REAR ABUTMENT CONSTRUCTION | PROVIDE ONE LANE IN EACH DIRECTION | PROVIDE ONE LANE IN EACH DIRECTION |

NOTES:

- THE BEGIN AND END DATES SHOWN IN EACH COLUMN ARE THE LAST DATES TO BEGIN AND END THE PHYSICAL CONSTRUCTION WORK SHOWN. IF A DATE IS POPULATED, THAT DATE IS CONSIDERED A CONTRACTURAL INTERIM COMPLETION DATE.
- ICD# = INTERIM COMPLETION DATES. ALL WORK LISTED IN THESE COLUMNS MUST BE COMPLETED NO LATER THAN THESE DATES.
- COORDINATE AND COOPERATE WITH ANY REMAINING PRIVATE UTILITY RELOCATIONS TO BE COMPLETED IN THIS TIMEFRAME PER THE UTILITY NOTE.
- MAINTAIN FLOW FROM THE EXISTING 4' X 6' CULVERT COMING FROM THE NORFOLK SOUTHERN PROPERTY TO MILL CREEK AT ALL TIMES.
- FOR SCHEDULING PURPOSES, ASSUME NO FOULING OF NORFOLK SOUTHERN TRACKS WILL BE ALLOWED EACH YEAR BETWEEN OCTOBER 1 AND FEBRUARY 1.
- WITH ENGINEER APPROVAL, CONTRACTOR MAY IMPLEMENT REDUCING TRAFFIC TO ONE LANE IN EACH DIRECTION ON SR 14 PRIOR TO PHASE 1 STEP 3 TO BEGIN DEMO OF EXISTING WESTBOUND CONCRETE SPANS.
- THE MAXIMUM DETOUR DURATION OF HENRY STREET MUST NOT EXCEED 274 DAYS.

MAINTENANCE OF TRAFFIC
GENERAL NOTES

DESIGN AGENCY

AECOM

564 White Pond Drive
Akron, OH 44320
(330) 836-9111
www.aecom.com

DESIGNER
RJJ

REVIEWER
WFS 08/05/24

PROJECT ID
104132

SHEET TOTAL
P.19 399

| SEQUENCE OF CONSTRUCTION AND INTERIM COMPLETION DATE TABLE | CONSTRUCTION PHASE | PHASE 2 | | PHASE 3 |
|--|-------------------------|--|--|---|
| PROJECT LOCATION | CONSTRUCTION SUB-PHASE | STEP 1 | STEP 2 | STEP 1 |
| | BEGIN DATE (SEE NOTE 1) | NOVEMBER 1, 2027 (SEE NOTES 5 & 7) | FEBRUARY 2, 2028 | AUGUST 1, 2028 |
| | END DATE (SEE NOTE 1) | ICD#4 = FEBRUARY 1, 2028 (SEE NOTES 2 & 5) | ICD#5 = JULY 31, 2028 (SEE NOTES 2 & 7) | ICD#6 = SEPTEMBER 30, 2028 (SEE NOTE 2) |
| NORTH OF RAILROAD PROPERTIES | SR 14 | MAINTAIN ONE LANE EACH WAY ON COMPLETED CONSTRUCTION; REMOVE REMAINING SUPERSTRUCTURE AND SUBSTRUCTURE OF EXISTING CONCRETE SPANS; COMPLETE REMAINING GROUND IMPROVEMENTS FOR WALL 6 FROM STA 381+30 TO END OF WALL | COMPLETE WALL 6 AND ALL OTHER PHASE 2 WORK FROM PROPOSED FORWARD ABUTMENT TO END PROJECT, EXCEPT FOR FINAL PAVING/STRIPING/SIGNING | COMPLETE ALL FINAL PAVING/STRIPING/SIGNING AND PLACE TRAFFIC IN COMPLETED LANES |
| | OLD BROADWAY | MAINTAIN TRAFFIC ON COMPLETED CONSTRUCTION | MAINTAIN TRAFFIC ON COMPLETED CONSTRUCTION | COMPLETE ALL FINAL PAVING/STRIPING/SIGNING AND PLACE TRAFFIC IN COMPLETED LANES |
| THROUGH AND ADJACENT TO RAILROAD PROPERTIES | SR 14 | MAINTAIN ONE LANE EACH WAY ON COMPLETED CONSTRUCTION | COMPLETE DEMOLITION OF EXISTING SR 14 BRIDGE OVER TRACKS | COMPLETE FINAL STRIPING AND PLACE TRAFFIC IN COMPLETED LANES |
| SOUTH OF RAILROAD PROPERTIES | SR 14 | MAINTAIN ONE LANE EACH WAY ON COMPLETED CONSTRUCTION; REMOVE REMAINING SUPERSTRUCTURE AND SUBSTRUCTURE OF EXISTING CONCRETE SPANS | COMPLETE WALL 5 AND ALL OTHER PHASE 2 WORK FROM BEGIN PROJECT TO REAR ABUTMENT, EXCEPT FOR FINAL PAVING/STRIPING/SIGNING | COMPLETE ALL FINAL PAVING/STRIPING/SIGNING AND PLACE TRAFFIC IN COMPLETED LANES |
| | HENRY STREET | IMPLEMENT HENRY STREET DETOUR; REMOVE SUPERSTRUCTURE AND SUBSTRUCTURE OF ALL EXISTING CONCRETE SPANS; AND PERFORM REMOVAL OF OLD AND INSTALLATION OF NEW 22' X 7' CULVERT AND JUNCTION CHAMBER #3 (IF NEEDED) | COMPLETE REMOVAL OF OLD AND INSTALLATION OF NEW 22' X 7' CULVERT AND JUNCTION CHAMBER #3 (IF NEEDED); COMPLETE WALL 7 AND ALL OTHER PHASE 2 WORK, EXCEPT FOR FINAL PAVING/STRIPING/SIGNING; REMOVE HENRY STREET DETOUR | MAINTAIN FINAL TRAFFIC PATTERN; COMPLETE ALL FINAL PAVING/STRIPING/SIGNING AND PLACE TRAFFIC IN COMPLETED LANES |
| | CHAINCRAFT ROAD | REDUCE TO ONE LANE OF TWO-WAY TRAFFIC WITH TEMPORARY SIGNAL ON EXISTING WESTBOUND LANE PER MT-96.11, AND PERFORM REMOVAL OF OLD 22' X 7' CULVERT AND INSTALLATION OF NEW 22' X 7' CULVERT AND JUNCTION CHAMBER #2 (SEE NOTE 4) | KEEP ONE LANE OF TWO-WAY TRAFFIC WITH TEMPORARY SIGNAL ON EXISTING WESTBOUND LANE PER MT-96.11 TO COMPLETE CONSTRUCTION OF NEW 22' X 7' CULVERT AND JUNCTION CHAMBER #2 (SEE NOTE 4); SWITCH UPSTREAM FLOW TO NEW CULVERT; COMPLETE ALL FINAL PAVING/STRIPING/SIGNING FOR EASTBOUND LANE | SWITCH TO MAINTAIN ONE LANE OF TWO-WAY TRAFFIC WITH TEMPORARY SIGNAL ON EASTBOUND LANE PER MT-96.11 TO COMPLETE ALL FINAL PAVING/STRIPING/SIGNING FOR WESTBOUND LANE; THEN PLACE TRAFFIC IN COMPLETED LANES |

NOTES:

- THE BEGIN AND END DATES SHOWN IN EACH COLUMN ARE THE LAST DATES TO BEGIN AND END THE PHYSICAL CONSTRUCTION WORK SHOWN. IF A DATE IS POPULATED, THAT DATE IS CONSIDERED A CONTRACTURAL INTERIM COMPLETION DATE.
- ICD# = INTERIM COMPLETION DATES. ALL WORK LISTED IN THESE COLUMNS MUST BE COMPLETED NO LATER THAN THESE DATES.
- COORDINATE AND COOPERATE WITH ANY REMAINING PRIVATE UTILITY RELOCATIONS TO BE COMPLETED IN THIS TIMEFRAME PER THE UTILITY NOTE.
- MAINTAIN FLOW FROM THE EXISTING 4' X 6' CULVERT COMING FROM THE NORFOLK SOUTHERN PROPERTY TO MILL CREEK AT ALL TIMES.
- FOR SCHEDULING PURPOSES, ASSUME NO FOULING OF NORFOLK SOUTHERN TRACKS WILL BE ALLOWED EACH YEAR BETWEEN OCTOBER 1 AND FEBRUARY 1.
- WITH ENGINEER APPROVAL, CONTRACTOR MAY IMPLEMENT REDUCING TRAFFIC TO ONE LANE IN EACH DIRECTION ON SR 14 PRIOR TO PHASE 1 STEP 3 TO BEGIN DEMO OF EXISTING WESTBOUND CONCRETE SPANS.
- THE MAXIMUM DETOUR DURATION OF HENRY STREET MUST NOT EXCEED 274 DAYS.

MAINTENANCE OF TRAFFIC
GENERAL NOTES

DESIGN AGENCY

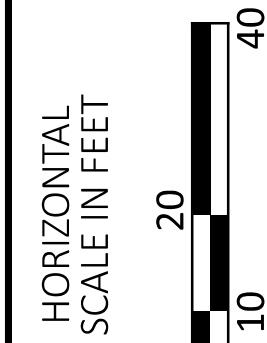
AECOM
564 White Pond Drive
Akron, OH 44320
(330) 836-9111
www.aecom.com

DESIGNER
RJJ

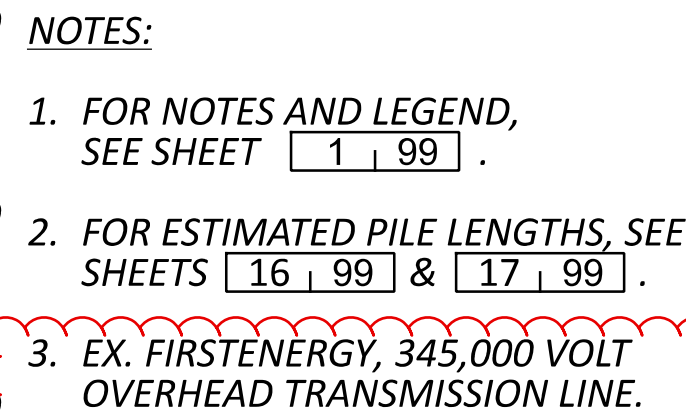
REVIEWER
WFS 08/05/24

PROJECT ID
104132

| | |
|---------------|--------------|
| SHEET P.20 | TOTAL 399 |
|---------------|--------------|



| | | | |
|---|--|---------|--|
| SFN | | 1801806 | |
| DESIGN AGENCY | | | |
| AECOM 564 White Pond Drive Akron, OH 44320 (330) 836-9111 www.aecom.com | | | |
| DESIGNER | | CHECKER | |
| JDM | | GAD | |
| REVIEWER | | | |
| MRW 08/05/2 | | | |
| PROJECT ID | | | |
| 104132 | | | |
| SUBSET | | TOTAL | |
| 2 | | 99 | |
| SHEET | | TOTAL | |
| P.210 | | 399 | |



ITEM 611 - CONDUIT, MISC.: PRECAST 4'x6' CONDUIT, TYPE A, 706.05

THE MASONRY COLLAR USED TO JOIN THE END OF THE EXISTING 4'X6' CULVERT TO THE PROPOSED 4'X6' CULVERT SHALL BE INCLUDED IN THE UNIT PRICE FOR ITEM 611 - CONDUIT, MISC.: PRECAST 4'x6' CONDUIT, TYPE A, 706.05.

REFER TO ODOT STANDARD DM 1.1 FOR MORE DETAILS ABOUT THE MASONRY COLLAR.

ABBREVIATIONS:

THE FOLLOWING ABBREVIATIONS HAVE BEEN USED THROUGHOUT THE CULVERT DETAILS:

A.P.P. - AS PER PLAN
BTM. - BOTTOM
C.I.P. - CAST IN PLACE
CL - CENTERLINE
CLR. - CLEAR
CONST. JT. - CONSTRUCTION JOINT
DND - DO NOT DISTURB
E.F. - EACH FACE
EX. - EXISTING
EL. - ELEVATION
F.F. - FAR FACE
INV. - INVERT
J.C. - JUNCTION CHAMBER
LSM - LOW STRENGTH MORTAR
MAX. - MAXIMUM
MH - MANHOLE
MIN. - MINIMUM
N.F. - NEAR FACE
PROP. - PROPOSED
REF. - REFERENCE
SPA. - SPACE(D) OR SPACING
STA. - STATION
TEMP. - TEMPORARY
TYP. - TYPICAL
U.N.O. - UNLESS NOTED OTHERWISE

| ESTIMATED QUANTITIES | | | | | | CALCULATED BY: HER |
|----------------------|-------|---------------|--------|---------|--|------------------------|
| | | | | | | CHECKED BY: JTH |
| ITEM ODOT | EXT. | PARTICIPATION | TOTAL | UNIT | DESCRIPTION | REF. SHEET |
| 202 | 11201 | LS | LS | LS | PORTIONS OF STRUCTURE REMOVED, AS PER PLAN | 3 14, 5 14, 7 14 |
| 503 | 11100 | LS | LS | LS | COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN | 3 14 |
| 503 | 21301 | 1,244 | 1,244 | CY | UNCLASSIFIED EXCAVATION, AS PER PLAN | 3 14, 9 14 |
| 509 | 10000 | 30,281 | 30,281 | LB | EPOXY COATED STEEL REINFORCEMENT | |
| 510 | 10000 | 136 | 136 | EACH | DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT | |
| 511 | 53012 | 92 | 92 | CU. YD. | CLASS QC2 CONCRETE, MISC.: CAST IN PLACE SECTIONS | |
| 512 | 33000 | 1,163 | 1,163 | SQ. YD. | TYPE 2 WATERPROOFING, AS PER PLAN | 3 14 |
| 512 | 33010 | 254 | 254 | SQ. YD. | TYPE 3 WATERPROOFING | |
| 611 | 97400 | 55 | 55 | FT | CONDUIT, MISC.: PRECAST 4'x6' CONDUIT, TYPE A, 706.05 | 4 14 |
| 611 | 94800 | 156 | 156 | FT | 8' X 4' CONDUIT, TYPE A, 706.05 | |
| 611 | 99731 | 1 | 1 | EACH | JUNCTION CHAMBER, AS PER PLAN | 3 14, 8 14 |
| 611 | 97400 | 140 | 140 | FT | CONDUIT, MISC.: 22'x7', TYPE A, PRECAST REINFORCED CONCRETE BOX CULVERT, 706.05, 2'-0" ESTIMATED SLAB THICKNESS, AS PER PLAN OR APPROVED ALTERNATIVE | 3 14, 9 14 |
| 611 | 99621 | 1 | 1 | EACH | MANHOLE, NO. 5, AS PER PLAN | 3 14, 11 14 |
| 867 | 00100 | 1 | 1 | LS | TEMPORARY WIRE FACED MECHANICALLY STABILIZED EARTH WALL | |

CULVERT GENERAL NOTES AND ESTIMATED QUANTITIES (PRECAST AND CAST-IN-PLACE)

BRIDGE NO. CUY-CR00240-00.610

HENRY STREET (C.R. 240) OVER MILL CREEK

SFN1834038

DESIGN AGENCY

AECOM

564 White Pond Drive
Akron, OH 44320
(330) 836-9111
www.aecom.com

DESIGNER

CHECKER

HER

JTH

REVIEWER

MRW08/05/24

PROJECT ID

104132

SUBSET

TOTAL

4

14

SHEET

TOTAL

P.311

399

MODEL: Sheet PAPER: 34x22 (in.) DATE: 3/11/2025 TIME: 3:46:35 PM USER: michael.j.thompson
pw:\aecom-na-pw.bentley.com\AECOM_DS20_NA_2019\Documents\60581303-CUY-14-6.93\104132\400-Engineering\RW\Sheets\104132_RS001.dgn

| | | | | | |
|-------------------|-------------------------------------|--|--|--|--|
| TOTAL NUMBER OF : | | NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE | | GRANTEE: | |
| 8 OWNERSHIPS | 1 TOTAL TAKES | NET TAKE = GROSS TAKE - PRO IN TAKE | | ALL RIGHT OF WAY ACQUIRED IN THE NAME OF | |
| 33 PARCELS | 3 OWNERSHIPS W/ STRUCTURES INVOLVED | | | <u>STATE OF OHIO, DEPARTMENT OF TRANSPORTATION</u> | |
| | | | | UNLESS OTHERWISE SHOWN. | |
| | | (C) = CALCULATED AREA ALL AREAS IN ACRES | | | |

| PARCEL NO. | OWNER | SHEET NO. | OWNERS RECORD | | AUDITOR'S PARCEL | RECORD AREA | TOTAL P.R.O. | GROSS TAKE | P.R.O. IN TAKE | NET TAKE | STRUC-TURE | NET RESIDUE | | REMARKS |
|------------|--------------------------------------|------------|------------------------------------|------|------------------|-------------|--------------|------------|----------------|----------|------------|-------------|---------|--|
| | | | BOOK | PAGE | | | | | | | | LEFT | RIGHT | |
| 1-9 | NOT USED | | | | | | | | | | | | | |
| 10-SH1 | CITY OF CLEVELAND | 9-14 | DV 592, PG 587; DV 606,PG 98 | | 544-29-001 | 176.710 | 1.495 | 1.058 | 0.000 | 1.058 | YES | 0.414 | 173.119 | EX. WALL (TBR) 95 LF, (1) TREE |
| 10-SH2 | CITY OF CLEVELAND | 9-12,15-16 | DV 592, PG 587; DV 606,PG 98 | | 544-29-001 | 176.710 | 1.495 | 0.989 | 0.165 | 0.824 | | 0.414 | 173.119 | (4) TREES, * EX SIGN (DND) |
| 10-SH3 | CITY OF CLEVELAND | 13-14 | DV 592, PG 587; DV 606,PG 98 | | 544-29-001 | 176.710 | 1.495 | 0.214 | 0.000 | 0.214 | YES | 0.414 | 173.119 | EX. WALL (TBR) 47 LF |
| 10-U1 | CITY OF CLEVELAND | 13-14 | DV 592, PG 587; DV 606,PG 98 | | 544-29-001 | 176.710 | 1.495 | 0.037 | 0.000 | 0.037 | | 0.414 | 173.119 | ELECTRIC RELOCATION |
| 10-T | CITY OF CLEVELAND | 11-14 | DV 592, PG 587; DV 606,PG 98 | | 544-29-001 | 176.710 | 1.495 | 0.081 | 0.000 | 0.081 | | | | GRADING, (1) TREE |
| 10-U2 | CITY OF CLEVELAND | 13-14 | DV 592, PG 587; DV 606,PG 98 | | 544-29-001 | 176.710 | 1.495 | 0.010 | 0.000 | 0.010 | | | | ELECTRIC RELOCATION |
| 11-SH1 | NORFOLK SOUTHERN RAILWAY COMPANY | 15-16,21 | AFN 200208200162 | | 546-01-006 | 3.420 (C) | 0.000 | 0.049 | 0.000 | 0.049 | | 3.081 | | |
| 11-SH2 | NORFOLK SOUTHERN RAILWAY COMPANY | 15-16,21 | AFN 200208200162 | | 546-01-006 | 3.420 (C) | 0.000 | 0.014 | 0.000 | 0.014 | | 3.081 | | |
| 11-A | NORFOLK SOUTHERN RAILWAY COMPANY | 15-16,21 | AFN 200208200162 | | 546-01-006 | 3.420 (C) | 0.000 | 0.276 | 0.000 | 0.276 | | 3.081 | | |
| 11-T1 | NORFOLK SOUTHERN RAILWAY COMPANY | 15-16,21 | AFN 200208200162 | | 546-01-006 | 3.420 (C) | 0.000 | 0.045 | 0.000 | 0.045 | | | | BRIDGE CONSTRUCTION |
| 11-T2 | NORFOLK SOUTHERN RAILWAY COMPANY | 15-16,21 | AFN 200208200162 | | 546-01-006 | 3.420 (C) | 0.000 | 0.054 | 0.000 | 0.054 | | | | BRIDGE CONSTRUCTION |
| 12-SH1 | WHEELING & LAKE ERIE RAILWAY COMPANY | 15-18,21 | DV 11003, PG 28 | | 546-29-005 | 4.430 (C) | 0.000 | 0.218 | 0.000 | 0.218 | | 3.957 | | |
| 12-SH2 | WHEELING & LAKE ERIE RAILWAY COMPANY | 15-18,21 | DV 11003, PG 28 | | 546-29-005 | 4.430 (C) | 0.000 | 0.031 | 0.000 | 0.031 | | 3.9577 | | |
| 12-A | WHEELING & LAKE ERIE RAILWAY COMPANY | 15-18,21 | DV 11003, PG 28 | | 546-29-005 | 4.430 (C) | 0.000 | 0.224 | 0.000 | 0.224 | | 3.9577 | | |
| 12-SW | WHEELING & LAKE ERIE RAILWAY COMPANY | 15-18,21 | DV 11003, PG 28 | | 546-29-005 | 4.430 (C) | 0.000 | 0.013 | 0.000 | 0.013 | | | | |
| 12-T1 | WHEELING & LAKE ERIE RAILWAY COMPANY | 15-18,21 | DV 11003, PG 28 | | 546-29-005 | 4.430 (C) | 0.000 | 0.044 | 0.000 | 0.044 | | | | BRIDGE CONSTRUCTION |
| 12-T2 | WHEELING & LAKE ERIE RAILWAY COMPANY | 15-18,21 | DV 11003, PG 28 | | 546-29-005 | 4.430 (C) | 0.000 | 0.050 | 0.000 | 0.050 | | | | BRIDGE CONSTRUCTION |
| 12-T3 | WHEELING & LAKE ERIE RAILWAY COMPANY | 15-18,21 | DV 11003, PG 28 | | 546-29-005 | 4.430 (C) | 0.000 | 0.110 | 0.000 | 0.110 | | | | CROSS ACCESS |
| 12-T4 | WHEELING & LAKE ERIE RAILWAY COMPANY | 15-18,21 | DV 11003, PG 28 | | 546-29-005 | 4.430 (C) | 0.000 | 0.014 | 0.000 | 0.014 | | | | BRIDGE CONSTRUCTION |
| 12-T5 | WHEELING & LAKE ERIE RAILWAY COMPANY | 15-16,21 | DV 11003, PG 28 | | 546-29-005 | 4.430 (C) | 0.000 | 0.100 | 0.000 | 0.100 | | | | BRIDGE CONSTRUCTION |
| 13-WD | FILLING DEVELOPMENT, LLC | 17-18 | AFN 201712110405 | | 546-05-010 | 32.070 | 0.235 | 0.374 | 0.043 | 0.331 | | 31.504 | | |
| 13-T | FILLING DEVELOPMENT, LLC | 17-18 | AFN 201712110405 | | 546-05-010 | 32.070 | 0.235 | 0.063 | 0.000 | 0.063 | | | | GRADING & DRIVE CONSTRUCTION |
| 14-WD | GARFIELD ALLOYS, INC. | 15-18 | DV 12525, PG 821; DV 12525, PG 831 | | 546-03-004 | 3.370 | 0.408 | 0.718 | 0.408 | 0.310 | | 2.652 | | EX. FENCE (TBR) 50 LF* INCL. GATE*+24LF*, (5) TRUCK TRAILERS (TBR) (*2 OF 5 ARE ENCROACHMENTS) |
| 14-SW | GARFIELD ALLOYS, INC. | 15-16 | DV 12525, PG 821; DV 12525, PG 831 | | 546-03-004 | 3.370 | 0.408 | 0.043 | 0.000 | 0.043 | | | | EX. FENCE (TBR) 43 LF |
| 14-U | GARFIELD ALLOYS, INC. | 15-16 | DV 12525, PG 821; DV 12525, PG 831 | | 546-03-004 | 3.370 | 0.408 | 0.047 | 0.000 | 0.047 | | | | ELECTRIC RELOCATION, EX. FENCE (TBR) 47 LF |

TYPES OF TITLE LEGEND:
WD = WARRANTY DEED
SH = STANDARD HIGHWAY EASEMENT
T = TEMPORARY EASEMENT
SW = SEWER EASEMENT
A = AERIAL EASEMENT
U = UTILITY EASEMENT

NOTE: ALL ORIGINAL TEMPORARY PARCELS ARE TO BE OF 18 MONTH DURATION. ALL TEMPORARY PARCELS RECEIVED A 36 MONTH EXTENSION.

NOTE: UNDER NO CIRCUMSTANCES ARE TEMPORARY EASEMENTS TO BE USED FOR STORAGE OF MATERIAL OR EQUIPMENT BY THE CONTRACTOR UNLESS NOTED OTHERWISE.

STATE JOB NUMBER: 527431
FEDERAL PROJECT NUMBER: E190250

| | | | |
|-----------------------|---------|--|----------------|
| | | | |
| MJT | 3/11/25 | REV. PARCEL DURATION NOTE | |
| JPV | 8/8/24 | ADD 12-T4 & 12-T5 | |
| JPV | 5/17/24 | REV. 10-WD1/2/3 TO 10-SH1/2/3, OWNER 12 DEED | |
| REV. BY | DATE | DESCRIPTION | |
| FIELD REVIEW BY | | JPV | DATE: 12/16/22 |
| OWNERSHIP VERIFIED BY | | JPV | DATE: 1/5/23 |
| DATE COMPLETED | | 08/22/2023 | |

SUMMARY OF ADDITIONAL RIGHT OF WAY (PARCELS 1 - 14)

DESIGN AGENCY

AECOM

DESIGNER
MJT

REVIEWER
JPV 08/07/24

PROJECT ID
104132

SUBSET TOTAL

SHEET TOTAL
RW.7 21

