

STATE OF OHIO DEPARTMENT OF TRANSPORTATION

FAI-37-06.10

WALNUT TOWNSHIP
(FAIRFIELD COUNTY)

FEDERAL PROJECT NUMBER

E191 (296)

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

THIS PROJECT INCLUDES THE WIDENING OF 1.2 MILES OF ROADWAY AT THE SR-37 AND SR-256 INTERSECTION BY PROVIDING A LEFT-TURN LANE ON EACH APPROACH AND RECONSTRUCTION OF THE EXISTING TRAFFIC SIGNALS.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA: 6.86 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA: 0.25 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA: 7.11 ACRES

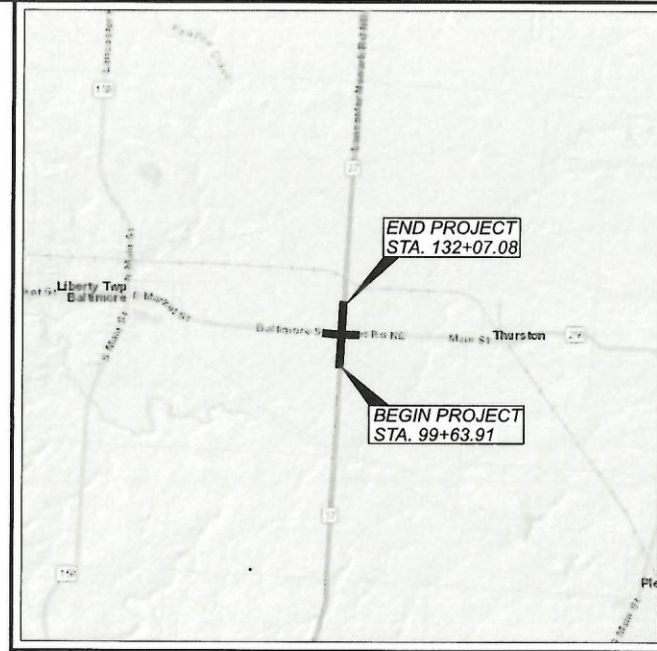
2019 SPECIFICATIONS

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 HERBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL REQUIRE THE CLOSING OF NORTHBOUND SR-37 AND EASTBOUND SR-256 TO TRAFFIC AND THAT DETOURS WILL BE PROVIDED AS INDICATED ON SHEETS P.013 THROUGH P.019.

APPROVED Juan Z. Suroz
DATE 10/1/2021 DISTRICT DEPUTY DIRECTOR

APPROVED Jack Marchbanks
DATE 11-22-21 DIRECTOR, DEPARTMENT OF TRANSPORTATION



LOCATION MAP

LATITUDE: 39°50'27" LONGITUDE: 82°34'07"



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

DESIGN DESIGNATION

| | SR-37 | SR-256 |
|-----------------------------------|----------------------|--|
| CURRENT ADT (2020) | 8,990 | 3,200 |
| DESIGN YEAR ADT (2040) | 12,590 | 3,200 |
| DESIGN HOURLY VOLUME (2040) | 1,260 | 320 |
| DIRECTIONAL DISTRIBUTION | 54% | 58% |
| TRUCKS (24 HOUR B&C) | 9% | 7% |
| DESIGN SPEED | 60 MPH | 60 MPH |
| LEGAL SPEED | 55 MPH | 55 MPH |
| DESIGN FUNCTIONAL CLASSIFICATION: | RURAL MINOR ARTERIAL | RURAL MINOR ARTERIAL (WEST) / MAJOR COLLECTOR (EAST) |
| NHS PROJECT | NO | NO |

DESIGN EXCEPTIONS

| DESIGN FEATURE | DATE | SEE SHEETS |
|-----------------------|-----------|------------|
| GRADED SHOULDER WIDTH | 1-31-2020 | 3-5 |

ADA DESIGN WAIVER
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)

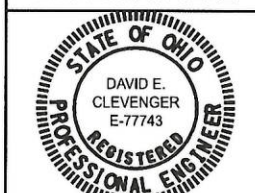
PLAN PREPARED BY:

TRC 1382 WEST 9TH STREET
SUITE 400
CLEVELAND, OHIO 44113

INDEX OF SHEETS:

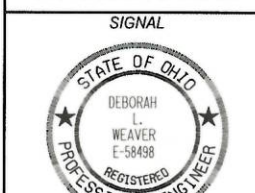
| | |
|---------------------------------|---------------------------------------|
| TITLE SHEET | P.001 |
| SCHEMATIC PLAN | P.002 |
| TYPICAL SECTIONS | P.003 - P.005 |
| GENERAL NOTES | P.006 - P.007, P.007A - P.007B |
| MAINTENANCE OF TRAFFIC | P.008 - P.056, P.009A, P.009B, P.009C |
| GENERAL SUMMARY | P.057 - P.059 |
| SUBSUMMARIES | P.060 - P.063, P.061A |
| PROJECT SITE PLAN | P.064 |
| PLAN AND PROFILE SR-37 | P.065 - P.071 |
| PLAN AND PROFILE SR-256 | P.072 - P.078 |
| CROSS SECTIONS SR-37 | P.079 - P.101 |
| CROSS SECTIONS SR-256 | P.102 - P.122, P.122A |
| INTERSECTION DETAILS | P.123 |
| DRIVE DETAILS | P.124 |
| DRIVE PROFILES | P.125 - P.129 |
| STORM SEWER PROFILES | P.130 - P.130-A |
| CULVERT DETAILS | P.131 - P.131A |
| SIGN AND PAVEMENT MARKING PLANS | P.132 - P.141 |
| SIGNAL PLANS | P.142 - P.152 |
| RIGHT-OF-WAY PLANS | P.153 - P.189 |
| SOIL PROFILES | P.190 - P.201 |

ENGINEER'S SEAL:



SIGNED: David E. Clevenger
DATE: 9/20/2021

ENGINEER'S SEAL:



SIGNED: Deborah L. Weaver
DATE: 9/20/2021

| STANDARD CONSTRUCTION DRAWINGS | | | | | | | | SUPPLEMENTAL SPECIFICATIONS | | SPECIAL PROVISIONS | |
|--------------------------------|---------|----------|---------|-----------|----------|----------|----------|-----------------------------|----------|----------------------|--|
| BP-3.1 | 1/17/20 | DM-4.1 | 7/17/20 | MT-99.20 | 4/19/19 | TC-61.10 | 1/17/20 | 800-2019 | 10/15/21 | Village of Baltimore | |
| BP-4.1 | 7/19/13 | DM-4.3 | 1/15/16 | MT-99.30 | 1/17/20 | TC-64.10 | 7/16/21 | 808 | 1/18/19 | Water Line | |
| BP-5.1 | 7/16/21 | DM-4.4 | 1/15/16 | MT-101.60 | 1/17/20 | TC-65.10 | 1/17/14 | 809 | 1/15/21 | Standard Drawings | |
| | | | | MT-101.70 | 1/17/20 | TC-65.11 | 7/21/17 | 816 | 10/18/19 | 1/2006 | |
| | | RM-1.1 | 1/15/21 | MT-101.75 | 1/17/20 | TC-71.10 | 7/16/21 | 832 | 10/19/18 | | |
| CB-2-2A, 2-2B, 2-2C | 7/16/21 | RM-4.2 | 4/17/20 | MT-101.90 | 7/17/20 | TC-81.11 | 7/16/21 | 878 | 4/16/21 | Asbestos Survey | |
| CB-2-3, 2-4 | 7/16/21 | | | MT-105.10 | 1/17/20 | TC-83.10 | 1/17/20 | | | Report | |
| CB-3 | 7/16/21 | HL-30.11 | 1/15/21 | | | TC-83.20 | 7/21/17 | 902 | 7/19/19 | 12/09/2021 | |
| CB-3A | 7/16/21 | HL-30.22 | 1/15/21 | TC-21.21 | 7/16/21 | TC-84.20 | 10/18/13 | | | | |
| HW-2.2 | 7/20/18 | MT-95.31 | 7/19/19 | TC-41.30 | 10/18/13 | TC-85.21 | 7/16/21 | | | | |
| | | MT-95.41 | 1/17/20 | TC-41.41 | 7/19/19 | TC-85.22 | 1/19/18 | | | | |
| MH-3 | 7/16/21 | MT-95.45 | 1/17/20 | TC-42.10 | 10/18/13 | | | | | | |
| | | MT-95.61 | 4/19/19 | TC-42.20 | 10/18/13 | | | | | | |
| DM-1.1 | 7/17/20 | MT-97.10 | 4/19/19 | TC-52.10 | 10/18/13 | | | | | | |
| DM-1.2 | 7/16/21 | MT-97.12 | 1/20/17 | TC-52.20 | 1/15/21 | | | | | | |

TITLE SHEET

DESIGN AGENCY



DESIGNER

AEM

REVIEWER

WAA 07/04/21

PROJECT ID

110412

SHEET TOTAL

P.001 201

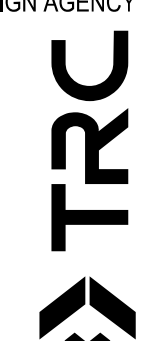
FAI - SR 37-06.10
220007 PID - 110412
Dist 5 1/13/2022

Contract Proposal available @ 01.90-23-1A1
www.contracts.dot.state.oh.us

MODEL: Sheet PAPER: 34x22 (in.) DATE: 9/20/2021 TIME: 10:51:40 AM USER: AMichian
p:\itrc\pwbentley.com\trc-pw-01\Documents\5 - Projects\Ohio Department of Transportation\0001\34x22\42 - FAI-37-06.104 - CAD_Desig\110412\12400-Eng\in

| REF NO. | SHEET NO. | STATION TO STATION | | 618 | 618 | 621 | 621 | 621 | 621 | | | | | | | 644 | 644 | 644 | 644 | 644 | 644 | 644 |
|--|-----------|--------------------|-----------|--|--|--------------------|----------------------------|------------------------|--------------------------------|--|--|--|--|--|------|------|---------------|-------------|-----------------------|-----------|--------------------------|------------|
| | | | | RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE) | RUMBLE STRIPES, CENTER LINE (ASPHALT CONCRETE) | RPM (1-WAY, WHITE) | RPM (2-WAY, YELLOW-YELLOW) | RPM (2-WAY, WHITE-RED) | RAISED PAVEMENT MARKER REMOVED | RPM SPACING | | | | | | | EDGE LINE, 6" | CENTER LINE | CHANNELIZING LINE, 8" | STOP LINE | TRANSVERSE/DIAGONAL LINE | LANE ARROW |
| | | | | FT | FT | EACH | EACH | EACH | EACH | | | | | | | MILE | MILE | FT | FT | FT | EACH | EACH |
| EW1 | P.134 | 99+63.91 | 117+00.51 | | | | | | | | | | | | | 0.24 | | | | | | |
| EW1 | P.138 | 200+90.22 | 217+35.53 | | | 16 | | 16 | 40/80 * | * AS PER STOP APPROACH DETAIL TC-65.11 | | | | | | 0.30 | | | | | | |
| EW2 | P.134 | 99+63.91 | 117+01.41 | | | 16 | | 16 | 40/80 * | | | | | | 0.33 | | | | | | | |
| EW2 | | 218+69.72 | 233+00.00 | | | | | | | | | | | | 0.27 | | | | | | | |
| EW3 | P.138 | 200+90.22 | 217+85.82 | | | | | | | | | | | | 0.33 | | | | | | | |
| EW3 | P.135 | 117+85.30 | 132+07.08 | | | 16 | | 16 | 40/80 * | | | | | | 0.27 | | | | | | | |
| EW4 | P.135 | 117+36.66 | 132+07.08 | | | | | | | | | | | | 0.28 | | | | | | | |
| EW4 | | 218+71.52 | 233+00.00 | | | 16 | | 16 | 40/80 * | | | | | | 0.27 | | | | | | | |
| CL1 | P.134 | 99+63.91 | 116+41.30 | | 1677 | | 21 | 21 | 80 | | | | | | | 0.32 | | | | | | |
| CL2 | P.134 | 105+15.02 | 112+65.00 | | | | 10 | | 80 | | | | | | | 0.14 | | | | | | |
| CL3 | P.135 | 118+10.10 | 132+07.08 | | 1397 | | 18 | 18 | 80 | | | | | | | 0.26 | | | | | | |
| CL4 | P.136 | 122+62.00 | 129+22.01 | | | | 9 | | 80 | | | | | | | 0.13 | | | | | | |
| CL5 | P.138 | 200+90.22 | 217+31.58 | | | | 21 | 21 | 80 | | | | | | | 0.31 | | | | | | |
| CL6 | P.138 | 206+30.00 | 214+40.00 | | | | 11 | | 80 | | | | | | | 0.15 | | | | | | |
| CL7 | P.139 | 218+75.00 | 233+00.00 | | | | 18 | 18 | 80 | | | | | | | 0.27 | | | | | | |
| CL8 | | 222+20.00 | 228+80.00 | | | | 9 | | 80 | | | | | | | 0.13 | | | | | | |
| YT1 | P.134 | 104+55.00 | 112+65.00 | | | | | | | | | | | | | | | | 211 | | | |
| A1 | P.135 | 113+47.30 | | | | | | | | | | | | | | | | | | | 1 | |
| A2 | P.135 | 114+35.30 | | | | | | | | | | | | | | | | | | | 1 | |
| W1 | P.135 | 115+23.30 | | | | | | | | | | | | | | | | | | | | 1 |
| A3 | P.135 | 116+11.30 | | | | | | | | | | | | | | | | | | | 1 | |
| SL1 | P.135 | 116+11.30 | | | | | | | | | | | | | | | | | 11 | | | |
| SL2 | P.135 | 116+70.50 | | | | | | | | | | | | | | | | | 11 | | | |
| SL3 | P.135 | 117+66.00 | | | | | | | | | | | | | | | | | 16 | | | |
| SL4 | P.135 | 118+10.10 | | | | | | | | | | | | | | | | | 11 | | | |
| A4 | P.135 | 118+40.10 | | | | | | | | | | | | | | | | | | | 1 | |
| W2 | P.135 | 119+28.10 | | | | | | | | | | | | | | | | | | | | 1 |
| CH1 | P.135 | 112+65.00 | 116+70.50 | | | | 11 | | 40 | | | | | | | | 406 | | | | | |
| CH2 | P.135 | 117+66.00 | 122+62.00 | | | | 13 | | 40 | | | | | | | | 496 | | | | | |
| A5 | P.136 | 120+16.10 | | | | | | | | | | | | | | | | | | | 1 | |
| W3 | P.136 | 121+04.10 | | | | | | | | | | | | | | | | | | | | 1 |
| A6 | P.136 | 121+92.10 | | | | | | | | | | | | | | | | | | | 1 | |
| YT2 | P.136 | 122+62.00 | 129+22.00 | | | | | | | | | | | | | | | | | 137 | | |
| YT3 | P.138 | 206+30.00 | 214+40.00 | | | | | | | | | | | | | | | | | | | 212 |
| CH3 | P.139 | 214+40.00 | 217+55.50 | | | | 8 | | 40 | | | | | | | | | 316 | | | | |
| A7 | P.139 | 215+25.60 | | | | | | | | | | | | | | | | | | | 1 | |
| W4 | P.139 | 216+13.60 | | | | | | | | | | | | | | | | | | | | 1 |
| A8 | P.139 | 217+01.60 | | | | | | | | | | | | | | | | | | | 1 | |
| SL5 | P.139 | 217+31.60 | | | | | | | | | | | | | | | | | 11 | | | |
| SL6 | P.139 | 217+55.50 | | | | | | | | | | | | | | | | | 16 | | | |
| SL7 | P.139 | 218+50.60 | | | | | | | | | | | | | | | | | 17 | | | |
| SL8 | P.139 | 218+75.00 | | | | | | | | | | | | | | | | | 11 | | | |
| A9 | P.139 | 219+05.00 | | | | | | | | | | | | | | | | | | | | |
| W5 | P.139 | 219+93.00 | | | | | | | | | | | | | | | | | | | | 1 |
| CH4 | P.139 | 218+50.60 | 222+20.00 | | | | 10 | | 40 | | | | | | | | | | | | | 369 |
| A10 | P.139 | 220+31.00 | | | | | | | | | | | | | | | | | | | | 1 |
| A11 | P.139 | 221+69.00 | | | | | | | | | | | | | | | | | | | | 1 |
| YT4 | P.139 | 222+20.00 | 228+80.00 | | | | | | | | | | | | | | | | | | | 136 |
| | | 223+20.00 | 228+80.02 | 560 | | | | | | | | | | | | | | | | | | |
| SUBTOTAL | | | | 560 | 3074 | 64 | 117 | 42 | 142 | | | | | | | 2.29 | 1.71 | 1587 | 104 | 696 | 10 | 5 |
| TOTALS CARRIED TO GENERAL SUMMARY | | | | 560 | 3074 | 64 | 117 | 42 | 142 | | | | | | | 2.29 | 1.71 | 1587 | 104 | 696 | 10 | 5 |

PAVEMENT MARKING SUB-SUMMARY

DESIGN AGENCY

 DESIGNER
 JGB
 REVIEWER
 WAA 07/04/21
 PROJECT ID
 110412
 SHEET TOTAL
 P.133 201