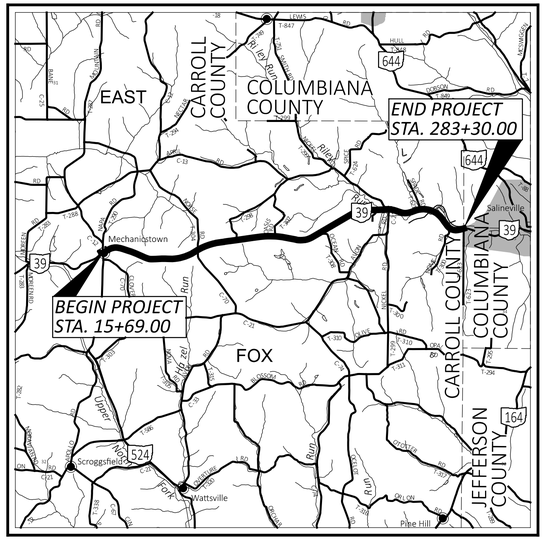
STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

CAR-39-23.34

FOX TOWNSHIP

CARROLL COUNTY



LOCATION MAP

LATITUDE: N40°37'15" LONGITUDE: W80°54'20"

N

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

DESIGN DESIGNATION

	S.R. 39 SLM 23.34 - 23.59	S.R. 39 SLM 23.59 - 28.42
CURRENT ADT (2025)	1,100	1,100
DESIGN YEAR ADT (2045)	1,200	1,200
DESIGN HOURLY VOLUME (2045)	150	150
DIRECTIONAL DISTRIBUTION	57.1%	57.1%
TRUCKS (24 HOUR B&C)	13%	13%
DESIGN SPEED	35 MPH	60 MPH
LEGAL SPEED	35 MPH	55 MPH
DESIGN FUNCTIONAL CLASSIFICATION: 04 - MINOR ARTERIAL (RURAL)		
NHS PROJECT	NO	NO

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:
ODOT DISTRICT 11
ENGINEERING
NEW PHILADELPHIA, OHIO

INDEX OF SHEETS:

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S.R. 39 PLAN	P.14 - P.24
S.R. 39 PROFILE DATA	P.25
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TRAFFIC CONTROL	P.32
STRUCTURES	
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STANDARD CONSTRUCTION DRAWINGS

				SUPPLEMENTAL SPECIFICATIONS		SPECIAL PROVISIONS
BP-3.1	1/19/24	MT-97.10	7/18/25	800-2023	7/18/25	SUBGRADE EXPLORATION 05/14/2025
BP-3.2	1/18/19	MT-99.20	4/19/19	827	7/18/25	
BP-4.1	7/19/13	MT-101.60	1/17/25	832	7/18/25	
		MT-101.90	7/17/20	846	4/17/15	
DM-4.3	1/15/16	MT-105.10	1/17/20			
DM-4.4	1/15/16					
		TC-41.20	10/18/13			
MGS-2.1	7/18/25	TC-42.20	10/18/13			
MGS-4.1	7/18/25	TC-52.10	10/18/13			
MGS-4.2	7/18/25	TC-52.20	1/15/21			
MGS-4.3	7/18/25	TC-61.30	7/19/24			
MGS-5.2	7/15/16	TC-65.10	1/17/14			
MGS-5.3	7/15/16	TC-65.11	1/17/25			

FEDERAL PROJECT NUMBER

E251(184)

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

IMPROVEMENT OF 5.08 MILES OF S.R. 39 IN CARROLL COUNTY BY MILLING, FULL DEPTH RECLAMATION TREATMENT OF THE ROADWAY BASE, AND NEW ASPHALT PAVEMENT. INCLUDES MINOR WORK ON BRIDGE CAR-39-27.300, AND BRIDGE CAR-39-28.000 GUARDRAIL REPLACEMENT, AND PAVEMENT MARKINGS.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	2.5 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	1.0 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	N/A (NOI NOT REQUIRED)*

* ROUTINE MAINTENANCE PROJECT

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 AND THAT DETOURS WILL BE PROVIDED AS INDICATED ON SHEETS P.10 - P.11 .

Thomas D. Corey
District 11 Deputy Director

Pamela Boratyn
Director, Department of Transportation

ENGINEER'S SEAL

STATE OF OHIO
BROCK S. HOVANICK
E-86725
REGISTERED
PROFESSIONAL ENGINEER

Digitally signed by bhovanic
Date: 2026.01.23 09:51:25-05'00'

TITLE SHEET

DESIGN AGENCY

DESIGNER DAB
REVIEWER BSH 02/20/25
PROJECT ID 105259
SHEET P.01 TOTAL 38

CAR-39-23.34

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 10/23/2025 TIME: 9:37:30 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Drew.Bigler@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 105259 PRODUCT: OpenRoadsDesigner 24.00.00.205
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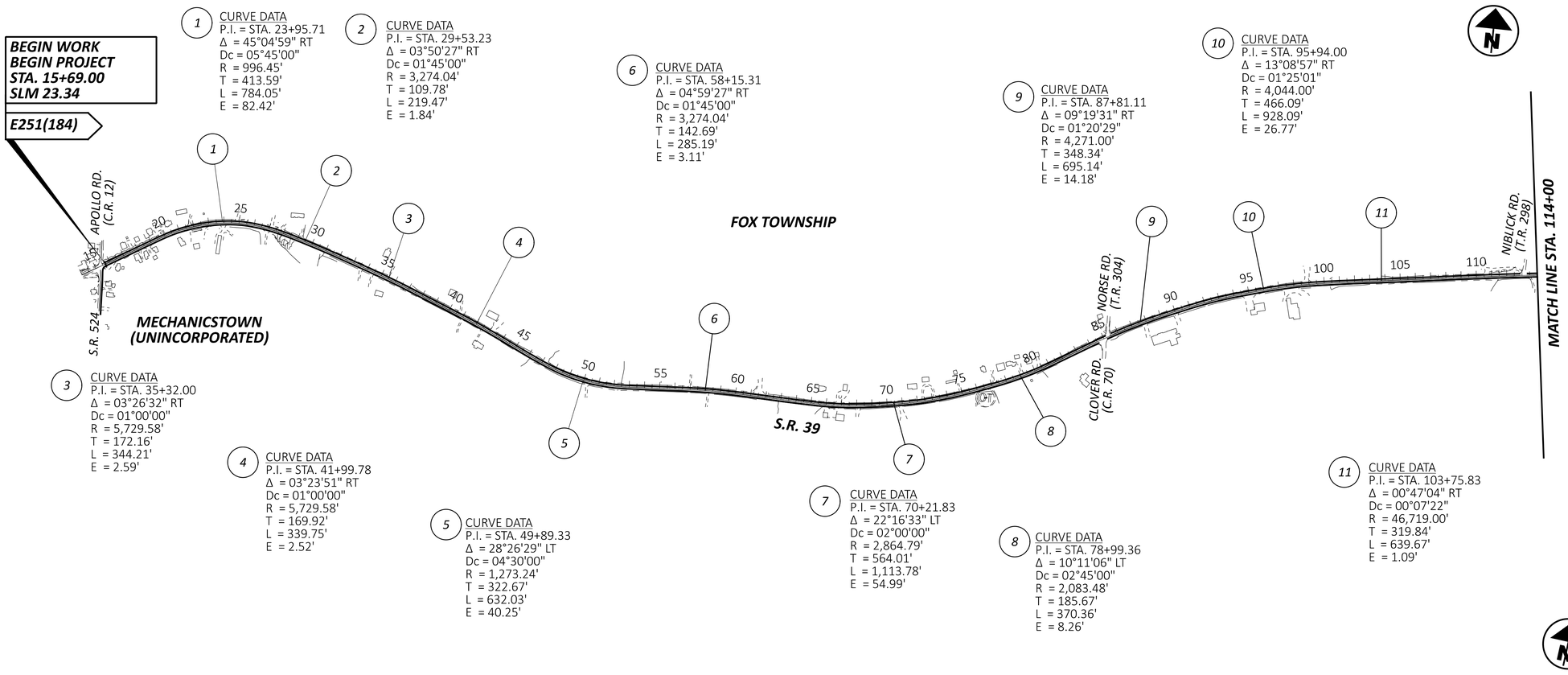

NOTE:

THERE ARE NO EXISTING LANDSCAPED AREAS WITHIN THE WORK LIMITS

FOR PROJECT CONTROL, SEE SHEET P.07

HORIZONTAL SCALE IN FEET
0 200 400 800

SCHEMATIC PLAN
S.R. 39

DESIGN AGENCY

DESIGNER: DAB
REVIEWER: BSH 02/20/25
PROJECT ID: 105259
SHEET: P.02 TOTAL: 38

CAR-39-23.34

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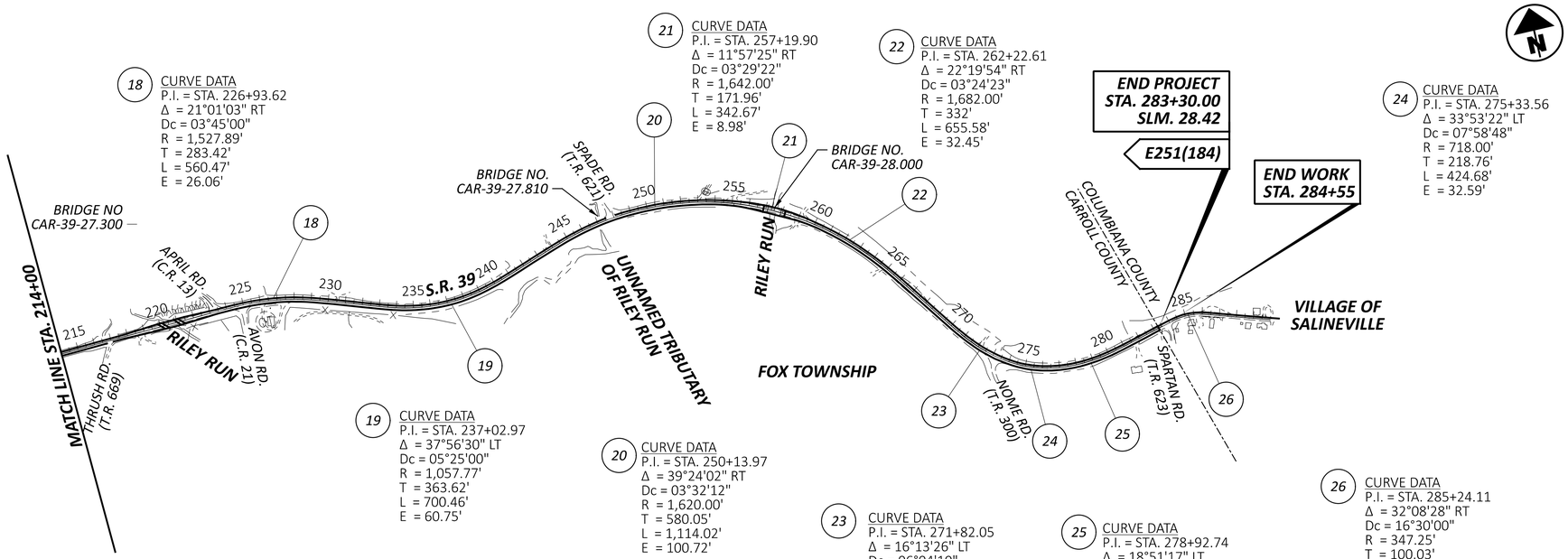

18 CURVE DATA
P.I. = STA. 226+93.62
Δ = 21°01'03" RT
Dc = 03°45'00"
R = 1,527.89'
T = 283.42'
L = 560.47'
E = 26.06'

19 CURVE DATA
P.I. = STA. 237+02.97
Δ = 37°56'30" LT
Dc = 05°25'00"
R = 1,057.77'
T = 363.62'
L = 700.46'
E = 60.75'

20 CURVE DATA
P.I. = STA. 250+13.97
Δ = 39°24'02" RT
Dc = 03°32'12"
R = 1,620.00'
T = 580.05'
L = 1,114.02'
E = 100.72'

21 CURVE DATA
P.I. = STA. 257+19.90
Δ = 11°57'25" RT
Dc = 03°29'22"
R = 1,642.00'
T = 171.96'
L = 342.67'
E = 8.98'

22 CURVE DATA
P.I. = STA. 262+22.61
Δ = 22°19'54" RT
Dc = 03°24'23"
R = 1,682.00'
T = 332'
L = 655.58'
E = 32.45'

23 CURVE DATA
P.I. = STA. 271+82.05
Δ = 16°13'26" LT
Dc = 06°04'10"
R = 944.00'
T = 134.55'
L = 267.30'
E = 9.54'

24 CURVE DATA
P.I. = STA. 275+33.56
Δ = 33°53'22" LT
Dc = 07°58'48"
R = 718.00'
T = 218.76'
L = 424.68'
E = 32.59'

25 CURVE DATA
P.I. = STA. 278+92.74
Δ = 18°51'17" LT
Dc = 06°12'27"
R = 923.00'
T = 153.25'
L = 303.74'
E = 12.64'

26 CURVE DATA
P.I. = STA. 285+24.11
Δ = 32°08'28" RT
Dc = 16°30'00"
R = 347.25'
T = 100.03'
L = 194.79'
E = 14.12'

NOTE:

THERE ARE NO EXISTING LANDSCAPED AREAS WITHIN THE WORK LIMITS

FOR PROJECT CONTROLS, SEE SHEET P.07

HORIZONTAL SCALE IN FEET
0 200 400 800

SCHEMATIC PLAN
S.R. 39

DESIGN AGENCY

DESIGNER
DAB

REVIEWER
BSH 02/20/25

PROJECT ID
105259

SHEET P.03 TOTAL 38

CAR-39-23.34

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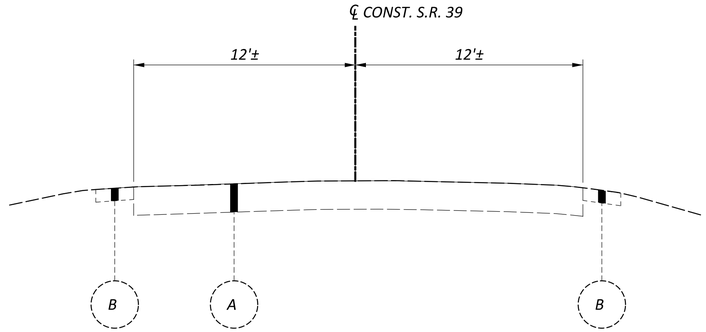
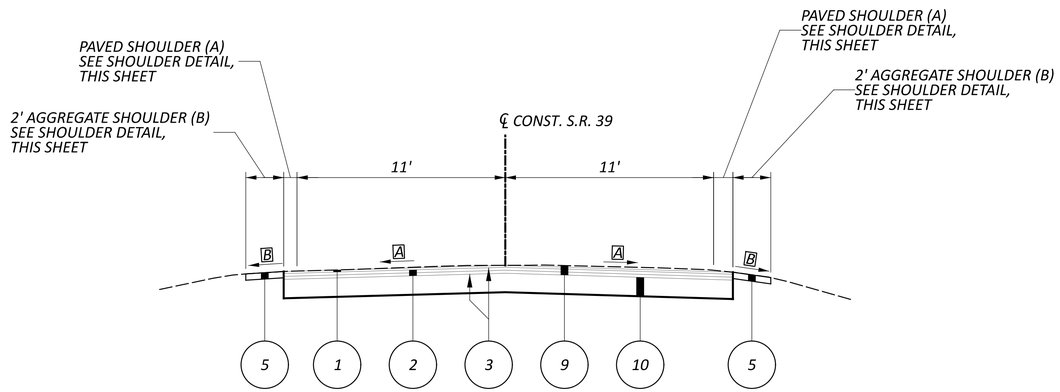
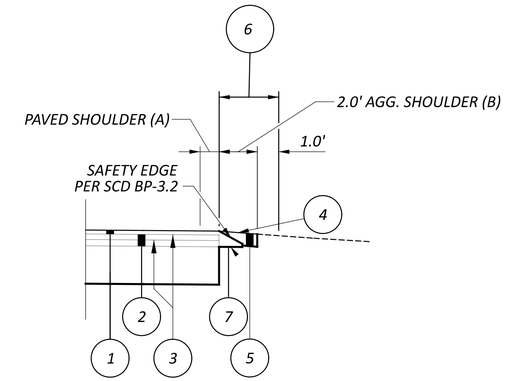


EXISTING SECTION



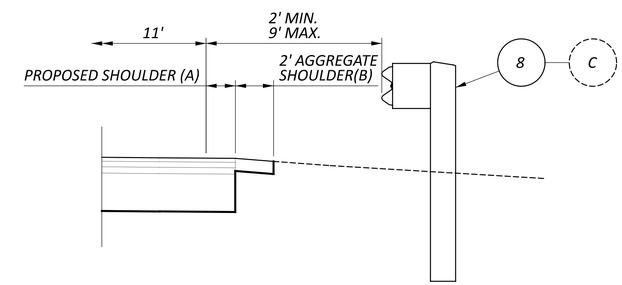
TYPICAL SECTION

STA. 15+69.00 TO STA. 283+30.00



SHOULDER DETAIL

SEE SHEET P.28 FOR DATA



GUARDRAIL OFFSET DETAIL

SEE SHEET P.26 FOR STATIONING OF GUARDRAIL RUNS

PROPOSED LEGEND

- 1 — ITEM 441 - 1¼" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (446), PG70-22M
- 2 — ITEM 441 -3¾" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (446)
- 3 — ITEM 407 - TACK COAT
- 4 — ITEM 408 - PRIME COAT, AS PER PLAN
- 5 — ITEM 617 - 4" COMPACTED AGGREGATE, AS PER PLAN (2' WIDE)
- 6 — ITEM 209 - LINEAR GRADING (3' WIDE)
- 7 — ITEM 209 - PREPARING SUBGRADE FOR SHOULDER PAVING, AS PER PLAN
- 8 — ITEM 606 - GUARDRAIL, TYPE MGS
- 9 — ITEM 827 - PAVEMENT REMOVED, AS PER PLAN (DEPTH PER SUPPLEMENTAL SPECIFICATION 827.06)
- 10 — ITEM 827 - 12" FULL DEPTH RECLAIMED BASE COURSE
  - ITEM 827 - MIXTURE DESIGN FOR FULL DEPTH RECLAIMED BASE COURSE
  - ITEM 827 - CURING COAT
  - ITEM 827 - CEMENT
  - ITEM 827 - CORRECTIVE MATERIAL
  - ITEM 827 - COVER AGGREGATE

EXISTING LEGEND

- A — 16"± EXISTING ASPHALT CONCRETE
- B — EXISTING AGGREGATE SHOULDER
- C — EXISTING GUARDRAIL

NOTES

A MATCH EXISTING

B 0.08 MAX

TYPICAL SECTIONS

DESIGN AGENCY

DESIGNER DAB

REVIEWER BSH 02/20/25

PROJECT ID 105259

SHEET P.04 TOTAL 38

CAR-39-23.34

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UTILITIES

THERE ARE NO UNDERGROUND UTILITIES SHOWN ON THIS PLAN. THE NATURE OF THE WORK REQUIRED BY THIS PROJECT WILL NOT AFFECT ANY KNOWN UNDERGROUND UTILITIES THAT EXIST UNDER, OR ADJACENT TO, THE WORK AREA.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

CLEARING AND GRUBBING, AS PER PLAN

ALTHOUGH THERE ARE NO TREES OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT, A LUMP SUM QUANTITY IS INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201, CLEARING AND GRUBBING, AS PER PLAN. ALL TREES, STUMPS, AND VEGETATION UNDERNEATH AND WITHIN 20 FEET OF THE STURCTURE SHALL BE REMOVED AS DIRECTED BY THE ENGINEER. ALL PROVISIONS AS SET FORTH IN THE SPECIFICATION UNDER THIS ITEM ARE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201 - CLEARING AND GRUBBING, AS PER PLAN.

EXISTING PLANS

THE FOLLOWING EXISTING PLANS ARE AVAILABLE FOR REFERENCE AT THE DISTRICT 11 OFFICE OF THE OHIO DEPARTMENT OF TRANSPORTATION, 2201 REISER AVE. S.E., NEW PHILADELPHIA, OHIO, 44663:

CAR-39-23.41 (RESURFACING) 2009 (PID 84163)
CAR-39-23.41 (CHIP SEAL) 2016 (PID 100463)

IN ADDITION, THE EXISTING PLANS CAN BE FOUND ON THE DEPARTMENT'S WEBSITE AT THE FOLLOWING ADDRESS:
https://ftp.dot.state.oh.us/pub/Contracts/Attach

PROFILE AND ALIGNMENT

PLACE THE PROPOSED PAVEMENT TO FOLLOW THE ALIGNMENT OF THE EXISTING PAVEMENT. PLACE THE PROPOSED ASPHALT CONCRETE OVERLAY AS SHOWN ON THE TYPICAL SECTIONS.

COOPERATION BETWEEN CONTRACTORS

THE CONTRACTOR IS HEREBY ADVISED THAT PROJECT CAR/VAR-164-VAR, PID 105290, AND COL-164-1.66, PID 117357 MAY BE UNDER CONSTRUCTION DURING THE SAME PERIOD THIS PROJECT IS BEING CONSTRUCTED. UPON AWARD OF THIS CONTRACT, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND THE OTHER CONTRACTORS OF THE EFFECTS OF THIS CONTRACT UPON THE CAR/VAR-164-VAR AND COL-164-1.66 PROJECTS. THE CONTRACTOR SHALL COOPERATE WITH THE OTHER CONTRACTORS IN ACCORDANCE WITH SEC. 105.08 AND ARRANGE A MUTUALLY ACCEPTABLE WORK SCHEDULE, SUBJECT TO THE APPROVAL OF THE ENGINEER. ANY CONFLICTS BETWEEN CONTRACTORS INVOLVING WORK SCHEDULES, WORK AREAS OR COOPERATION WILL BE RESOLVED BY THE ENGINEER.

SEEDING AND MULCHING

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

ITEM 659 - SOIL ANALYSIS TEST **2 EACH**
18,000 S.Y. X 1 TEST/ 48,400 S.Y.= 0.37
(MIN. OF 2 EACH)

ITEM 659 - SEEDING AND MULCHING **18,000 SQ. YD.**
3 FT X 2 SIDES X 26,761 FT / 9 = 17,840.67 S.Y.
USE 18,000 S.Y.

ITEM 659 - REPAIR SEEDING AND MULCHING **900 SQ. YD.**
18,000 S.Y. X 0.05 = 900

ITEM 659 - COMMERCIAL FERTILIZER **2.43 TON**
18,000 S.Y. X 9 X 30 LBS/1000 S.F. / 2000LB./TON = 2.43

ITEM 659 - LIME **3.72 ACRES**
18,000 S.Y. X (9 S.F/S.Y.) / (43,560 S.F./ACRE) = 3.72

ITEM 659 - WATER **100 M. GAL.**
18,000 S.Y. X 9 X 300 GAL/1000 S.F. X 2 APP./1000 S.F. = 97.20

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

GUARDRAIL PLAN INSERT SHEET/ARCHIVED STANDARD DRAWINGS

CERTAIN GUARDRAIL LOCATIONS MAY REQUIRE DETAILS PROVIDED IN THE FORM OF PLAN INSERT SHEETS ADMINISTERED BY THE OFFICE OF ROADWAY ENGINEERING. THE FOLLOWING PLAN INSERT SHEETS CAN BE FOUND ON THE ROADWAY ENGINEER'S PLAN INSERT SHEETS WEB PAGE:

http://www.dot.state.oh.us/divisions/engineering/roadway/designstandards/roadway/pages

GR-1.1 GUARDRAIL DETAILS
GR-2.1 GUARDRAIL TYPE 5 & 5A
GR-3.4 BRIDGE TERMINAL ASSEMBLY, TYPE 4

ITEM 408 - PRIME COAT, AS PER PLAN

THIS ITEM OF WORK SHALL BE PERFORMED IN ACCORDANCE WITH C&MS "ITEM 408 - PRIME COAT", EXCEPT THE CONTRACTOR SHALL APPLY "MC-70" AT A RATE OF 0.4 GALLONS PER SQUARE YARD, OR AS DETERMINED BY THE ENGINEER, TO THE COMPLETED COMPACTED AGGREGATE SHOULDER, AS PER PLAN.

ITEM 209 - LINEAR GRADING

GRADED SHOULDERS SHALL BE RESHAPED AS DIRECTED BY THE ENGINEER TO ENSURE A SMOOTH DRAINABLE SURFACE THAT IS FREE OF ALL IRREGULARITIES. VEGETATION, MATERIAL BUILDUP, AND COLLECTED DEBRIS ON THE SHOULDER OR WITHIN THE LINEAR GRADING LIMITS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AS SPECIFIED IN SECTION 209.01, OR WASTED OVER FILL SLOPES AT THE DIRECTION OF THE ENGINEER.

THIS ITEM SHALL MEET THE REQUIREMENTS OF ITEM 209 LINEAR GRADING EXCEPT AS FOLLOWS:

THE CONTRACTOR SHALL USE THE GRINDINGS FROM THE PROJECT IN LIEU OF ITEM - 617 COMPACTED AGGREGATE. SEE NOTE 'ITEM 617, COMPACTED AGGREGATE, AS PER PLAN'.

ALL EQUIPMENT, MATERIALS AND LABOR REQUIRED TO PERFORM THE WORK OUTLINED ABOVE SHALL BE INCLUDED FOR PAYMENT UNDER ITEM 209, LINEAR GRADING.

ITEM 617 - COMPACTED AGGREGATE, AS PER PLAN

GRADED SHOULDERS SHALL BE RESHAPED AS PER THE REQUIREMENTS OF ITEM 617, COMPACTED AGGREGATE. COMPACTED AGGREGATE MUST BE COMPACTED FLUSH WITH ROADWAY AND TAPERED TO MEET EXISTING SHOULDER SLOPE. GRINDINGS SHALL BE USED IN LIEU OF ITEM 617, COMPACTED AGGREGATE. IF THE AMOUNT OF GRINDINGS ARE NOT SUFFICIENT TO COVER THE COMPACTED AGGREGATE QUANTITY REQUIRED FOR THIS PLAN, THEN ADDITIONAL MATERIAL MEETING SPECIFICATION 617 SHALL BE PROCURED AND USED BY THE CONTRACTOR. ALL GRINDINGS SHALL ADHERE TO THE SPECIFICATIONS STATED IN C&MS 617 AND MEET GRADATIONS CONFORMING TO C&MS 703.18. THE COST FOR STORING THE GRINDINGS ON THE PROJECT AND PLACING THE GRINDINGS SHALL ALSO BE INCLUDED IN THIS ITEM.

ITEM 827 - PAVEMENT REMOVED, AS PER PLAN

IN ADDITION TO SUPPLEMENTAL SPEC. 827, THIS ITEM SHALL INCLUDE HAULING THE ASPHALT GRINDINGS FROM THE PAVEMENT REMOVAL TO THE ADDRESS LISTED BELOW AND STOCKPILING THE MATERIAL IN A MANNER ACCEPTABLE TO THE ENGINEER. CONTINUOUS END DUMPING WILL NOT BE PERMITTED

ALL PARTS: 1000 TOTAL TONS DELIVERED TO:

CONTACT: VINCE CARTER - (330)-308-6530
ADDRESS: 3009 KENSINGTON RD. NE, CARROLLTON, OH 44615

ALL LABOR, EQUIPMENT, AND INCIDENTALS NECESSARY TO COMPLETE THE ABOVE WORK SHALL BE INCLUDED IN THE SQUARE YARD BID PRICE FOR ITEM 827 - PAVEMENT REMOVED, AS PER PLAN

ITEM 209 - PREPARING SUBGRADE FOR SHOULDER PAVING, AS PER PLAN

THIS ITEM OF WORK CONSISTS OF PREPARING THE SHOULDER TO ACCEPT THE SAFETY EDGE. THE PREPARATION SHALL BE CONSISTENT IN BOTH THICKNESS AND WIDTH.

PRIOR TO PAVING THE SAFETY EDGE, THE CONTRACTOR SHALL GRADE AN AREA 10 INCHES WIDE BEGINNING AT THE EDGE OF THE PAVED ROADWAY TO PROVIDE A LEVEL SURFACE FREE FROM VEGETATION FOR CONSTRUCTION OF THE SAFETY EDGE. THE CONTRACTOR SHALL EXCAVATE THE GRADED AREA TO A DEPTH NECESSARY TO CONSTRUCT THE SAFETY EDGE, AND COMPACT THE GRADED SHOULDER ACCORDING TO C&MS 617.05, OR AS DIRECTED BY THE ENGINEER.

EXTRA FOR WIDENING (PAVEMENT AREA)

AN ADDITIONAL QUANTITY HAS BEEN ADDED TO THE PAVEMENT DATA SHEETS TO BE USED, AS DIRECTED BY THE ENGINEER, TO COVER AREAS THAT HAVE BEEN WIDENED EITHER ON CURVES, OR ON PREVIOUS MAINTENANCE ACTIVITIES BEYOND THE AVERAGE PAVEMENT WIDTH INDICATED IN THE PLANS.

MAILBOX APPROACHES

A QUANTITY OF ASPHALT CONCRETE HAS BEEN PROVIDED IN THE PLAN TO COVER MAILBOX APPROACHES. PAVING SHALL EXTEND TO MATCH THE EXISTING LIMITS OF THE APPROACH.

ANY EXTRA GRADING OF THE SHOULDER, PRIME OR TACK COAT, MATERIALS, LABOR, EQUIPMENT, TOOLS AND INCIDENTALS NECESSARY TO COMPLETE MAILBOX APPROACHES SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE ITEMS AND LOCATIONS LISTED ON SHEET P.29.

RECLAMATION WIDTH

IT IS THE INTENT OF THIS PROJECT TO COMPLETE FULL DEPTH RECLAMATION TREATMENT OVER THE ENTIRE WIDTH OF THE EXISTING MAINLINE PAVEMENT, INCLUDING LOCATIONS OF WIDENED PAVED SHOULDER SUCH AS BRIDGE APPROACHES. THIS DOES NOT APPLY TO INTERSECTING ROAD AND DRIVE APRONS, AND MAILBOX APPROACHES WHICH SHALL BE TREATED PER THE "MAILBOX APPROACHES" NOTE, ON THIS SHEET.

ITEM 606 - GUARDRAIL, MISC.: RAIL PANEL REPLACEMENT

THE CONTRACTOR SHALL REMOVE THE EXISTING W-BEAM RAIL PANELS FROM THE EXISTING TUBING ACROSS THE BRIDGE AND FURNISH AND ERECT NEW W-BEAM RAIL PANELS.

PAYMENT FOR ITEM 606 - GUARDRAIL, MISC.: RAIL PANEL REPLACEMENT SHALL INCLUDE THE REMOVAL, DISPOSAL, AND REPLACEMENT OF NEW W-BEAM RAIL COMPONENTS, LABOR, EQUIPMENT, AND MATERIAL NECESSARY TO COMPLETE THE WORK.

ITEM 606 - BRIDGE TERMINAL ASSEMBLY, TYPE 4

CONSTRUCTION OF AND PAYMENT FOR THIS ITEM SHALL BE PER PLAN INSERT SHEET GR-3.4. STARTING AT THE END OF THE BRIDGE TERMINAL ASSEMBLY, ADJUST THE HEIGHT TO THE REQUIRED MGS HEIGHT PER SCD MGS-4.3. IN AS SHORT DISTANCE AS POSSIBLE

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 10/23/2025 TIME: 9:38:05 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Drew.Bigler@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 105259 PRODUCT: OpenRoadsDesigner 24.00.00.205
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DESIGN AGENCY

DESIGNER
DAB

REVIEWER
BSH 02/20/25

PROJECT ID
105259

ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), (DRIVEWAYS), AS PER PLAN

THE PAVING OPERATION FOR INTERSECTING PUBLIC ROADS (NON-MAINLINE), AND DRIVEWAYS SHALL CONSIST OF AN AVERAGE THICKNESS EQUAL TO THE ADJACENT SURFACE COURSE FOR AN APPROXIMATE DISTANCE FROM THE EDGE OF PAVEMENT OR PAVED SHOULDERS, WHICHEVER IS APPLICABLE, UNLESS OTHERWISE DIRECTED BY THE ENGINEER AS FOLLOWS:

PUBLIC ROADS: 10' SURFACE COURSE WITH
10' WEARING COURSE REMOVED
DRIVES: 4' UNLESS SHOWN OTHERWISE IN PLAN

UP-HILL DRIVEWAYS SHALL ONLY BE PAVED TO THE BEGINNING OF THE UPSLOPE OF THE DRIVEWAY, OR AS DIRECTED BY THE ENGINEER. CONCRETE DRIVEWAYS WITH LESS THAN 10 FT OF ASPHALT CONCRETE APRON SHALL BE TREATED TO THE EDGE OF THE ASPHALT, OR AS DIRECTED BY THE ENGINEER.

ALL GRADING, TACK COAT, PRIME COAT, TOOLS, EQUIPMENT, AND INCIDENTALS REQUIRED TO LAYOUT AND PAVE THE DRIVEWAYS AND INTERSECTING PUBLIC ROADS SHALL BE INCLUDED IN THE CU. YD. PRICE BID FOR ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), (DRIVEWAYS), AS PER PLAN.

THE CONTRACTOR SHALL ADHERE TO THE PROVISIONS SET FORTH IN C&MS 107.10 CONCERNING THE PROTECTION AND RESTORATION OF ALL PUBLIC AND PRIVATE PROPERTY IMPACTED BY CONSTRUCTION OPERATIONS.

ALL DRIVEWAYS SHALL BE PAVED WITHIN (5) WORKING DAYS AFTER PLACING THE SURFACE COURSE ON THE MAINLINE PAVEMENT.

ITEM 606 - ANCHOR ASSEMBLY, MGS TYPE B

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING ANY OF THE MASH 2016 TYPE B FLARED END TREATMENTS FOR TYPE MGS GUARDRAIL AS LISTED UNDER "PRODUCTS ACCEPTED FOR NEW INSTALLATIONS" ON THE ROADWAY APPROVED PRODUCTS LIST POSTED ON ROADWAY ENGINEERING'S WEB PAGE. INSTALLATION SHALL BE ATTHE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. REFER TO THE POSTED SHOP DRAWINGS FOR THE MOST CURRENT APPROVED PRODUCT MODELS.

REFER TO THE MANUFACTURER'S INSTRUCTIONS REGARDING THE INSTALLATION OF, AND THE GRADING AROUND, THE FOUNDATION TUBES AND GROUND STRUT. THE TOP OF ANY FOUNDATION TUBE SHOULD BE LESS THAN 4 INCHES ABOVE THE GROUND. ON-SITE GRADING IS REQUIRED IF THE TOP OF THE FOUNDATION TUBES OR TOP OF THE GROUND STRUT DOES PROJECT MORE THAN 4 INCHES ABOVE THE GROUND LINE.THE PLACEMENT OF THE FOUNDATION TUBES SHOULD BE AN APPROPRIATE DEPTH BELOW THE LEVEL LINE IN ORDER TO MAINTAIN THE FINISHED GUARDRAIL HEIGHT OF 31 INCHES FROM THE EDGE OF THE SHOULDER.

THE FACE OF THE TYPE B IMPACT HEAD SHALL BE COVERED WITH SOLID FLUORESCENT YELLOW REBOUNDABLE RETROREFLECTIVE SHEETING, PER CMS 730.191.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 606, ANCHOR ASSEMBLY, MGS TYPE B, EACH, AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL ANCHOR ASSEMBLY SYSTEM, INCLUDING REFLECTIVE SHEETING AND ALL RELATED HARDWARE, GRADING, EMBANKMENT AND EXCAVATION NOT SEPARATELY SPECIFIED, AS REQUIRED BY

ITEM 606 - ANCHOR ASSEMBLY, MGS TYPE E

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING ANY OF THE MASH 2016 TYPE E TANGENETIAL END TREATMENTS FOR TYPE MGS GUARDRAIL AS LISTED UNDER "PRODUCTS ACCEPTED FOR NEW INSTALLATIONS" ON THE ROADWAY APPROVED PRODUCTS LIST POSTED ON ROADWAY ENGINEERING'S WEB PAGE. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. REFER TO THE POSTED SHOP DRAWINGS FOR THE MOST CURRENT APPROVED PRODUCT MODELS.

REFER TO THE MANUFACTURER'S INSTRUCTIONS REGARDING THE INSTALLATION OF, AND THE GRADING AROUND THE FOUNDATION TUBES AND GROUND STRUT. THE TOP OF ANY FOUNDATION TUBE SHOULD BE LESS THAN 4 INCHES ABOVE THE GROUND. ON-SITE GRADING IS REQUIRED IF THE TOP OF THE FOUNDATION TUBES OR TOP OF THE GROUND STRUT DOES PROJECT MORE THAN 4 INCHES ABOVE THE GROUND LINE. THE PLACEMENT OF THE FOUNDATION TUBES SHOULD BE AN APPROPRIATE DEPTH BELOW THE LEVEL LINE IN ORDER TO MAINTAIN THE FINISHED GUARDRAIL HEIGHT OF 31 INCHES FROM THE EDGE OF THE SHOULDER.

THE FACE OF THE TYPE E IMPACT HEAD SHALL BE COVERED WITH SOLID FLUORESCENT YELLOW REBOUNDABLE RETROREFLECTIVE SHEETING, PER CMS 730.191.

WHEN THE FACE OF THE ADJACENT (ATTACHED) GUARDRAIL IS LESS THAN 4' OFFSET FROM THE PROPOSED EDGE LINE, AND PERMITTING SITE CONDITIONS EXIST: THE PROPOSED TYPE E ANCHOR ASSEMBLY SHALL BE INSTALLED AT A CONSISTENT FLARE RATE THROUGH THE FULL LENGTH OF THE SYSTEM. THE FLARE RATE SHALL BE A MAXIMUM OF 25:1 (RESULTING IN A 2' OFFSET). THE INSTALLATION SHALL BE IN ACCORDANCE WITH THE SHOP DRAWINGS, PRODUCT INSTALLATION MANUAL/GUIDANCE, AND AS DIRECTED BY THE ENGINEER.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 606, ANCHOR ASSEMBLY, MGS TYPE E, EACH, AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL ANCHOR ASSEMBLY SYSTEM, INCLUDING ALL RELATED TRANSITIONS, REFLECTIVE SHEETING, HARDWARE, GRADING, EMBANKMENT AND EXCAVATION NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

CONNECTION BETWEEN EXISTING AND PROPOSED GUARDRAIL

WHEN IT IS NECESSARY TO SPLICE PROPOSED GUARDRAIL TO EXISTING GUARDRAIL, ONLY THE EXISTING GUARDRAIL SHALL BE CUT, DRILLED, OR PUNCHED. THE CONNECTION SHALL BE MADE USING A W-BEAM, BEAM SPLICE AS SHOWN IN AASHTO M 180, EXCEPT THE BEAM WASHERS ARE NOT TO BE USED. PAYMENT SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE RESPECTIVE GUARDRAIL ITEMS.

GUARDRAIL REPLACEMENT

NO HAZARD SHALL BE LEFT UNPROTECTED EXCEPT FOR THE ACTUAL TIME NECESSARY TO REMOVE THE EXISTING GUARDRAIL, PREPARE THE SITE, AND INSTALL NEW GUARDRAIL IN A CONTINUOUS OPERATION. THE REMOVAL OF ALL GUARDRAIL SHALL AT ALL TIMES BE AS DIRECTED BY THE ENGINEER. NO GUARDRAIL SHALL BE REMOVED UNTIL THE REPLACEMENT MATERIAL IS ON SITE, READY FOR INSTALLATION. FAILURE TO COMPLY WITH THIS REQUIREMENT SHALL BE DEEMED SUFFICIENT CAUSE TO ORDER WORK SUSPENDED UNTIL SUCH TIME AS THE ENGINEER IS ASSURED OF COMPLIANCE.

ITEM 203 - EMBANKMENT, AS PER PLAN

THIS ITEM SHALL BE USED FOR GRADING AROUND ANCHOR ASSEMBLIES AS SHOWN PER THE DETAILS IN SCD MGS-5.3 (TYPE E), IN SCD MGS-5.2 (TYPE B), AND AS DIRECTED BY THE ENGINEER. ALL THE REQUIREMENTS FOR ITEM 203 EMBANKMENT SHALL BE MET EXCEPT THE TOP 2 FEET OF PROPOSED EMBANKMENT SHALL NOT CONTAIN ANY GRANULAR MATERIAL. THIS APPLIES TO ALL AREAS OUTSIDE OF THE EXISTING TREATED PAVEMENT. EXISTING SOD MUST BE SCALPED ACCORDING TO 201.04, PRIOR TO PLACEMENT OF ANY EMBANKMENT MATERIAL. THE COST OF SCALPING SHALL BE INCIDENTAL TO ITEM 203, EMBANKMENT, AS PER PLAN.

QUANTITIES USED AS DIRECTED BY THE ENGINEER

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR ITEMS DESIGNATED BY PLAN NOTE TO BE USED "AS DIRECTED BY THE ENGINEER" UNLESS AUTHORIZED BY THE ENGINEER. THE ACTUAL WORK LOCATIONS AND QUANTITIES FOR SUCH ITEMS SHALL BE INCORPORATED INTO THE DESIGNATED LINE ITEMS OR ADDED VIA CHANGE ORDER.

ITEM 621 - RAISED PAVEMENT MARKER REMOVED

EXISTING RAISED PAVEMENT MARKERS SHALL BECOME THE PROPERTY OF THE CONTRACTOR FOR DISPOSAL OFF THE PROJECT. THE REQUIREMENT TO FILL THE DEPRESSIONS SHALL BE WAIVED.

SHIELD

THE CONTRACTOR SHALL PROVIDE A SHIELD TO PREVENT THE SPRAYING OR DRIFTING OF LIQUID BITUMINOUS MATERIAL ONTO THE EDGE OF THE PAVEMENT OR EDGELINE. THE CONTRACTOR SHALL ADHERE TO THE PROVISIONS SET FORTH IN C&MS 107.10 CONCERNING THE PROTECTION AND RESTORATION OF ALL PUBLIC AND PRIVATE PROPERTY IMPACTED BY CONSTRUCTION OPERATIONS.

ITEM 646 - EPOXY PAVEMENT MARKING

THE CONTRACTOR SHALL REPLACE THE EXISTING PAVEMENT MARKINGS WITHIN THE PROJECT LIMITS WITH NEW PAVEMENT MARKINGS AT THE SAME LOCATIONS AS PER C&MS 641.06. SEE SCD TC-71.10 FOR PAVEMENT MARKING DETAILS.

WATERS OF THE US

WATERS OF THE US HAVE BEEN IDENTIFIED WITHIN THE PROJECT AREA. THE CONTRACTOR SHALL EXERCISE CAUTION TO ENSURE THAT NO IMPACTS OCCUR TO WATERS OF THE US. NO TEMPORARY OR PERMANENT FILL OF ANY TYPE MAY BE PLACED IN ANY STREAM OR WETLAND AS PART OF THIS PROJECT. ANY ACTIVITIES OCCURRING IN STREAMS OR WETLANDS WOULD REQUIRE PERMITS FROM THE US ARMY CORPS OF ENGINEERS AND/OR THE OHIO EPA.

ANY OTHER SITE PROPOSED BY THE CONTRACTOR FOR OFF PROJECT ANCILLARY CONSTRUCTION (STAGING AREAS, WASTE LOCATIONS, AND/OR BORROW LOCATIONS) MUST MEET THE REQUIREMENTS OF CMS 105.16.

446 DENSITY ACCEPTANCE WITH FLAGGER CLOSING OF A 2-LANE HIGHWAY FOR PAVING OPERATIONS

THIS PLAN NOTE APPLIES ONLY TO A FLAGGER CLOSURE OF ONE LANE OF A 2-LANE HIGHWAY DURING PAVING OPERATIONS WHEN USING STANDARD CONSTRUCTION DRAWING MT-97.11 OR MT-97.12, AND ALLOWS A PAVING OPERATION TO PROCEED CONCURRENTLY WITH THE MARKING AND CUTTING OF CORES REQUIRED FOR 446 DENSITY ACCEPTANCE.

IN ALL CASES THE CONTRACTOR SHOULD LENGTHEN THEIR LANE CLOSURES TO THE MAXIMUM PERMISSIBLE LENGTH DETAILED IN THE ABOVE REFERENCED STANDARD CONSTRUCTION DRAWINGS TO ALLOW THE ENGINEER ADEQUATE TIME TO MARK THE REQUIRED CORE LOCATIONS AND FOR CORE CUTTING OPERATIONS.

THE CONTRACTOR WILL PROVIDE TO THE ENGINEER THE PLANNED QUANTITY THAT WILL BE PLACED FOR THE DAY'S PRODUCTION. EACH DAY'S PRODUCTION WILL BE CONSIDERED ONE LOT AND INCLUDES SHOULDERS. TEN CORES WILL BE OBTAINED BY THE CONTRACTOR FOR EACH LOT AT RANDOM LOCATIONS DETERMINED BY THE ENGINEER. THE ENGINEER WILL DIVIDE A LOT INTO FIVE EQUAL SUBLOTS AND CALCULATE TWO RANDOM CORE LOCATIONS IN EACH SUBLOT AS DESCRIBED IN C&MS 446.05.

THE ENGINEER WILL MARK THE CORE LOCATIONS AFTER THE PAVING OPERATION (INCLUDING THE FINISH ROLLER) HAS COMPLETELY PASSED THE RANDOMLY SELECTED CORE LOCATION. THE CORE DRILL OPERATION CAN BEGIN CUTTING CORES WHEN THE NEWLY PLACED SURFACE TEMPERATURE IS LESS THAN 140°F. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE LANE CLOSURE DURING ALL PAVING, MARKING, AND CORING OPERATIONS PER THE REQUIREMENTS OF THE STANDARD CONSTRUCTION DRAWING USED FOR THE PAVING OPERATION.

SURFACE COURSE COMPLETION REQUIREMENTS

ANY GIVEN LENGTH OF WORK ON WHICH RESURFACING OPERATIONS HAVE BEEN STARTED IN A CONSTRUCTION SEASON SHALL HAVE THE SURFACE COURSE PLACED THAT SAME SEASON.

UNSTABLE OR UNSUITABLE SOILS FOR PAVEMENT STABILIZATION

IF FIELD OBSERVATIONS REVEAL UNSTABLE AND/OR UNSUITABLE SUBGRADE, UNDERCUTS MAY NEED TO BE PERFORMED. THE ENTIRE SURFACE AREA OF THE AGGREGATE BASE PLACED FOR UNDERCUTS SHALL BE WRAPPED IN GEOTEXTILE FABRIC.

THE FOLLOWING ITEMS AND QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER TO ADDRESS UNSTABLE OR UNSUITABLE SOILS:

ITEM 204 - EXCAVATION OF SUBGRADE	**- - 1,333 CU. YD.**
ITEM 304 - AGGREGATE BASE	**- - 1,333 CU. YD.**
ITEM 204 - GEOTEXTILE FABRIC	**- - 2,000 SQ. YD.**

GENERAL NOTES

DESIGN AGENCY

DESIGNER DAB
REVIEWER BSH 02/20/25
PROJECT ID 105259
SHEET P.06 TOTAL 38

MODEL: 105259_GN002 PAPERSIZE: 34x22 (in.) DATE: 10/23/2025 TIME: 9:38:06 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Drew.Bigler@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 105259 PRODUCT: OpenRoadsDesigner 24.00.00.205
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 11\Carroll\105259\400-Engineering\Roadway\Sheets\105259_GN001.dgn

SURVEY PAPRAMETERS - OHIO COUNTY COORDINATE SYSTEM (OCCS)

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE THIS SHEET FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION.

USE THE FOLLOWING PROJECT CONTROL, VERTICAL POSITIONING, AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING:

PROJECT CONTROL

POSITIONING METHOD: OHIO REAL TIME NETWORK (2011), STATIC GNSS, RTK, AND DIFFERENTIAL LEVELING MONUMENT TYPE: TYPE A AND B

VERTICAL POSTIONING

ORTHOMETRIC HEIGHT DATUM: NAVD 88
GEOID: GEOID 18

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD 83 (2011 ADJ, 2010.0)
ELLIPSOID: GRS 1980
MAP PROJECTION: TRANSVERSE MERCATOR
COORDINATE SYSTEM: OHIO COUNTY COORDINATE SYSTEM CARROLL LDP
SCALE FACTOR: 1.000043
ORIGIN LATIITUDE: N 39° 15' 00"
ORIGIN LONGTITUDE: E 278° 45' 00"
FALSE NORTHING (m): 0
FALSE EASTING (m): 50000

*THE LOW DISTORTION PROJECTION (LDP) IS A LOCAL COUNTY PROJECTION DEVELOPED BY ODOT. THE DISTORTION BETWEEN GROUND AND GRID IS SO MINIMAL THAT THERE IS NO NEED FOR A SCALE FACTOR TO ADJUST BETWEEN GRID AND GROUND COORDINATES. CONTACT THE DISTRICT SURVEY DEPARTMENT FOR FURTHER INFORMATION OR QUESTIONS.

USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH CMS 623.

UNITS ARE IN U.S. SURVEY FEET

PROJECT CONTROL - CAR-39-23.34 PID 105259

POINT ID	NORTHING	EASTING	ELEVATION	CODE	DESCRIPTION	STATION	OFFSET	ALIGNMENT
CP01	350705.029	2398446.808	1243.92	CMONS	Leveled	16+18.01	16.30 LT	CL_CONST_SR39
CP02	350975.091	2399087.378	1269.71	CMONS	Leveled	23+21.58	26.71 RT	CL_CONST_SR39
CP03	350260.884	2402123.384	1256.89	CMONS	Leveled	55+08.15	31.93 LT	CL_CONST_SR39
CP04	351032.453	2405423.157	1257.95	CMONS	Leveled	89+73.71	38.65 RT	CL_CONST_SR39
CP05	351760.374	2409391.760	1239.22	CMONS	Leveled	130+30.93	21.10 RT	CL_CONST_SR39
CP06	351573.808	2412356.297	1235.72	CMONS	Leveled	160+24.87	21.93 LT	CL_CONST_SR39
CP07	352747.408	2414728.742	1200.44	CMONS	Leveled	186+93.85	25.59 RT	CL_CONST_SR39
CP08	353626.063	2418610.634	1002.38	CMONS	Leveled	228+10.28	23.15 RT	CL_CONST_SR39
CP09	353056.221	2421961.168	981.17	CMONS	Leveled	264+49.74	40.46 RT	CL_CONST_SR39
CP10	352289.944	2423471.069	978.70	CMONS	Leveled	282+94.47	49.55 RT	CL_CONST_SR39
CP20	350402.021	2398000.965	1226.48	CNPT	Iron pin set w/ ODOT cap Leveled	10+81.41	26.17 LT	CL_CONST_SR39
CP21	350948.565	2399785.661	1244.88	CNPT	Iron pin set w/ ODOT cap Leveled	30+30.06	27.59 LT	CL_CONST_SR39
CP22	350217.766	2403387.620	1262.67	CNPT	Iron pin set w/ ODOT cap Leveled	67+68.97	26.66 RT	CL_CONST_SR39
CP23	351364.240	2406229.337	1251.16	CNPT	Iron pin set w/ ODOT cap Leveled	98+45.27	30.46 LT	CL_CONST_SR39
CP24	351665.320	2408403.917	1238.92	CNPT	Iron pin set w/ ODOT cap Leveled	120+38.80	16.42 LT	CL_CONST_SR39
CP25	351839.497	2410345.743	1229.55	CNPT	Iron pin set w/ ODOT cap Leveled	139+87.43	27.61 LT	CL_CONST_SR39
CP26	351624.611	2411717.335	1244.74	CNPT	Iron pin set w/ ODOT cap Leveled	153+73.40	26.29 LT	CL_CONST_SR39
CP27	352246.553	2413856.027	1214.30	CNPT	Iron pin set w/ ODOT cap Leveled	176+87.67	16.54 RT	CL_CONST_SR39
CP28	353298.917	2415578.052	1141.73	CNPT	Iron pin set w/ ODOT cap Leveled	197+05.45	20.89 LT	CL_CONST_SR39
CP29	353665.338	2416594.250	1075.32	CNPT	Iron pin set w/ ODOT cap Leveled	207+86.26	40.69 LT	CL_CONST_SR39
CP30	353402.105	2419459.274	993.92	CNPT	Iron pin set w/ ODOT cap Leveled	236+86.04	26.76 RT	CL_CONST_SR39
CP31	352380.417	2422598.579	968.30	CNPT	Iron pin set w/ ODOT cap Leveled	273+89.30	24.82 LT	CL_CONST_SR39
CP32	352292.962	2423071.172	983.68	CNPT	Iron pin set w/ ODOT cap Leveled	279+00.78	42.08 LT	CL_CONST_SR39
CL1	350327.572	2397958.889	N/A	POT	N/A	10+00.00	CL	CL_CONST_SR39
CL2	350479.540	2398123.550	N/A	PC	N/A	12+24.07	CL	CL_CONST_SR39
CL3	350540.360	2398204.656	N/A	PT	N/A	13+25.62	CL	CL_CONST_SR39
CL4	350878.734	2398767.229	N/A	PC	N/A	19+82.12	CL	CL_CONST_SR39
CL5	350991.452	2399522.851	N/A	PT	N/A	27+66.17	CL	CL_CONST_SR39
CL6	350972.680	2399597.822	N/A	PC	N/A	28+43.46	CL	CL_CONST_SR39
CL7	350912.280	2399808.773	N/A	PT	N/A	30+62.92	CL	CL_CONST_SR39
CL8	350821.032	2400091.321	N/A	PC	N/A	33+59.84	CL	CL_CONST_SR39
CL9	350705.476	2400415.500	N/A	PT	N/A	37+04.05	CL	CL_CONST_SR39
CL10	350586.916	2400718.965	N/A	PC	N/A	40+29.85	CL	CL_CONST_SR39
CL11	350453.974	2401031.569	N/A	PT	N/A	43+69.60	CL	CL_CONST_SR39
CL12	350329.668	2401301.366	N/A	PC	N/A	46+66.66	CL	CL_CONST_SR39
CL13	350215.489	2401916.418	N/A	PT	N/A	52+98.69	CL	CL_CONST_SR39
CL14	350239.645	2402289.572	N/A	PC	N/A	56+72.62	CL	CL_CONST_SR39
CL15	350245.658	2402574.612	N/A	PT	N/A	59+57.82	CL	CL_CONST_SR39
CL16	350234.428	2403074.482	N/A	PC	N/A	64+57.81	CL	CL_CONST_SR39
CL17	350423.781	2404164.947	N/A	PT	N/A	75+71.60	CL	CL_CONST_SR39
CL18	350474.675	2404297.610	N/A	PC	N/A	77+13.69	CL	CL_CONST_SR39
CL19	350637.289	2404629.822	N/A	PT	N/A	80+84.05	CL	CL_CONST_SR39
CL20	350817.797	2404928.185	N/A	PC	N/A	84+32.77	CL	CL_CONST_SR39
CL21	351127.744	2405549.543	N/A	PCC	N/A	91+27.91	CL	CL_CONST_SR39
CL22	351371.695	2406442.885	N/A	PCC	N/A	100+56.00	CL	CL_CONST_SR39
CL23	351464.110	2407075.838	N/A	PT	N/A	106+95.66	CL	CL_CONST_SR39
CL24	351740.948	2409067.165	N/A	PC	N/A	127+06.14	CL	CL_CONST_SR39
CL25	351786.433	2409435.791	N/A	PCC	N/A	130+77.58	CL	CL_CONST_SR39
CL26	351704.425	2411193.066	N/A	PT	N/A	148+43.74	CL	CL_CONST_SR39
CL27	351580.208	2411803.752	N/A	PC	N/A	154+66.93	CL	CL_CONST_SR39
CL28	351542.723	2412124.044	N/A	PCC	N/A	157+89.79	CL	CL_CONST_SR39
CL29	351766.185	2413003.463	N/A	PT	N/A	167+09.23	CL	CL_CONST_SR39
CL30	353406.169	2415802.422	N/A	PC	N/A	199+53.25	CL	CL_CONST_SR39
CL31	353550.158	2416119.464	N/A	PCC	N/A	203+02.09	CL	CL_CONST_SR39
CL32	353621.495	2416511.203	N/A	PT	N/A	207+01.62	CL	CL_CONST_SR39
CL33	353685.796	2418218.575	N/A	PC	N/A	224+10.20	CL	CL_CONST_SR39
CL34	353604.842	2418769.993	N/A	PT	N/A	229+70.67	CL	CL_CONST_SR39
CL35	353485.659	2419118.879	N/A	PC	N/A	233+39.35	CL	CL_CONST_SR39
CL36	353486.982	2419806.613	N/A	PT	N/A	240+39.81	CL	CL_CONST_SR39
CL37	353615.817	2420179.062	N/A	PC	N/A	244+33.91	CL	CL_CONST_SR39
CL38	353604.014	2421271.202	N/A	PCC	N/A	255+47.94	CL	CL_CONST_SR39
CL39	353452.474	2421577.846	N/A	PCC	N/A	258+90.61	CL	CL_CONST_SR39
CL40	353004.532	2422050.833	N/A	PT	N/A	265+46.18	CL	CL_CONST_SR39
CL41	352595.851	2422341.180	N/A	PC	N/A	270+47.50	CL	CL_CONST_SR39
CL42	352402.615	2422524.579	N/A	PCC	N/A	273+14.81	CL	CL_CONST_SR39
CL43	352249.638	2422914.139	N/A	PCC	N/A	277+39.49	CL	CL_CONST_SR39
CL44	352275.637	2423215.388	N/A	PT	N/A	280+43.23	CL	CL_CONST_SR39
CL45	352370.093	2423584.340	N/A	PC	N/A	284+24.08	CL	CL_CONST_SR39
CL46	352364.354	2423776.504	N/A	PT	N/A	286+18.87	CL	CL_CONST_SR39
CL47	352248.997	2424136.204	N/A	POT	N/A	289+96.62	CL	CL_CONST_SR39

GENERAL NOTES

DESIGN AGENCY

DESIGNER
DAB

REVIEWER
BSH 02/20/25

PROJECT ID
105259

SHEET P.07 TOTAL 38

CAR-39-23.34

MODEL: 105259_GN003 PAPERSIZE: 34x22 (in.) DATE: 10/23/2025 TIME: 9:38:07 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Drew.Bigler@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 105259 PRODUCT: OpenRoadsDesigner 24.00.00.205
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 11\Carroll\105259\400-Engineering\Roadway\Sheets\105259_GN001.dgn

ITEM 614 - MAINTAINING TRAFFIC

A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES, EXCEPT FOR A PERIOD NOT TO EXCEED 75 CONSECUTIVE CALENDAR DAYS, WHEN THROUGH TRAFFIC MAY BE DETOURED AS SHOWN ON SHEETS P.10 - P.11. A DISINCENTIVE SHALL BE ASSESSED IN THE AMOUNT OF $8,000 PER DAY FOR EACH CALENDAR DAY THE ROADWAY REMAINS CLOSED TO TRAFFIC BEYOND THE SPECIFIED LIMIT.

THE 75 DAY DETOUR ON S.R. 39 SHALL BE PERFORMED BETWEEN JUNE 1ST AND AUGUST 15TH, WHEN LOCAL SCHOOLS ARE NOT IN SESSION.

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

NOTICE OF CLOSURE SIGNS (W20-H13) SHALL BE ERECTED BY THE CONTRACTOR PRIOR TO THE SCHEDULED ROAD CLOSURE IN ACCORDANCE WITH THE NOTICE OF CLOSURE TIME TABLE BELOW.

THE SIGNS SHALL BE ERECTED ON THE RIGHT-HAND SIDE OF THE ROAD FACING TRAFFIC. THEY SHALL BE PLACED SO AS NOT TO INTERFERE WITH THE VISIBILITY OF ANY OTHER TRAFFIC CONTROL SIGNS. ON ROADWAYS, THEY SHOULD BE ERECTED AT OR NEAR THE POINT OF CLOSURE. THE SIGNS MAY BE ERECTED ANYWHERE ON RAMPS AS LONG AS THEY ARE VISIBLE TO THE MOTORISTS USING THE RAMP. ON ENTRANCE RAMPS, THE SIGN SHALL BE ERECTED WELL IN ADVANCE OF THE MERGE AREA TO AVOID DISTRACTING MOTORISTS.

NOTIFICATION OF CLOSURE SIGN TIME TABLE

ITEM	DURATION OF CLOSURE	SIGN DISPLAYED TO PUBLIC
RAMP & ROAD CLOSURES	>= 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS & < 2 WEEKS	7 CALENDAR DAYS PRIOR TO CLOSURE
	<= 12 HOURS	2 BUSINESS DAYS PRIOR TO CLOSURE

THE SIGN SHALL DISPLAY THE DATE OF THE CLOSURE IN MM-DD FORMAT AND THE NUMBER OF DAYS OF THE CLOSURE. THE LAST LINE OF THE W20-H13 SIGN LISTS A PHONE NUMBER WHICH A MOTORIST MAY CALL FOR ADDITIONAL INFORMATION.

SR 39 WILL BE
CLOSED MMM-DD
FOR 75 DAYS
INFO: (330) 339-6633

W20-H13-60

- CONTRACTOR TO PROVIDE DATE

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DETERMINED BY THE ENGINEER FOR THE MAINTENANCE OF TRAFFIC

ITEM 410, TRAFFIC COMPACTED SURFACE, TYPE A OR B	**- 50 CU. YD.**
ITEM 614, ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	**- 200 CU. YD.**
ITEM 616, WATER	**- 50 M. GAL.**

(CONTINUED...)

ITEM 614 - MAINTAINING TRAFFIC

(CONTINUED...)

THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN STANDARD 48 X 30 INCH ROAD CLOSED SIGNS, SIGN SUPPORTS, BARRICADES AND LIGHTS, AS DETAILED IN SCD MT-101.60 AT THE LOCATIONS SHOWN ON SHEETS P.10 - P.11 DURING PERIODS IN WHICH THE AFFECTED ROADS ARE CLOSED TO TRAFFIC.

THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN SIGNS AND SIGN SUPPORTS, AS DETAILED IN THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, AND TYPE III BARRICADES OF THE TYPE AND LOCATION AS SHOWN IN THE PLANS.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

NOTIFICATION OF TRAFFIC RESTRICTIONS

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE PROJECT ENGINEER TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM THE SPECIAL HAULING PERMITS SECTION (HAULING.PERMITS@DOT.OHIO.GOV) AND THE DISTRICT PUBLIC INFORMATION OFFICE (PIO). THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

NOTIFICATION TIME TABLE

ITEM	DURATION OF CLOSURE	NOTICE DUE TO PERMITS AND PIO
RAMP & ROAD CLOSURES	>= 2 WEEKS	21 CALENDAR DAYS PRIOR TO CLOSURE
	>12 HOURS & < 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	<= 12 HOURS	4 BUSINESS DAYS PRIOR TO CLOSURE
LANE CLOSURES & RESTRICTIONS	>= 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 2 WEEKS	5 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONSTRUCTION & TRAFFIC PATTERN CHANGES	N/A	14 CALENDAR DAYS PRIOR TO IMPLEMENTATION

ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE PROJECT ENGINEER USING THE NOTIFICATION TIME TABLE.

PROPERTY ACCESS DURING CONSTRUCTION

THE CONTRACTOR SHALL MAINTAIN ACCESS TO EACH PROPERTY WITHIN THE PROJECT LIMITS AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY EACH PROPERTY OWNER WITHIN THE WORK ZONE OF THE MAINTENANCE OF TRAFFIC SEQUENCES AND ACCESSING THEIR PROPERTY.

DUST CONTROL

THE CONTRACTOR SHALL FURNISH AND APPLY WATER FOR DUST CONTROL AS DIRECTED BY THE ENGINEER. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED FOR DUST CONTROL PURPOSES:

ITEM 616, WATER - 150 M. GAL.

MAINTENANCE OF TRAFFIC NOTES

DESIGN AGENCY

DESIGNER DAB

REVIEWER BSH 02/20/25

PROJECT ID 105259

SHEET P.08 TOTAL 38

CAR-39-23.34

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 10/23/2025 TIME: 9:38:13 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Drew.Bigler@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 105259 PRODUCT: OpenRoadsDesigner 24.00.00.205
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ITEM 614 - PORTABLE CHANGEABLE MESSAGE SIGNS, AS PER PLAN

THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND REMOVE, WHEN NO LONGER NEEDED, A CHANGEABLE MESSAGE SIGN. THE SIGN SHALL BE OF A TYPE SHOWN ON A LIST OF APPROVED PCMS UNITS AVAILABLE ON THE OFFICE OF MATERIALS MANAGEMENT WEB PAGE. THE LIST CONTAINS CLASS A AND B UNITS WITH MINIMUM LEGIBILITY DISTANCES OF 800 FEET AND 650 FEET, RESPECTIVELY.

EACH SIGN SHALL BE TRAILER-MOUNTED AND EQUIPPED WITH A FUNCTIONAL DIMMING MECHANISM, TO DIM THE SIGN DURING DARKNESS, AND A TAMPER AND VANDAL PROOF ENCLOSURE. EACH SIGN SHALL BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION INSTRUCTIONS TO ENABLE ON-SITE PERSONNEL TO OPERATE AND TROUBLESHOOT THE UNIT. THE SIGN SHALL ALSO BE CAPABLE OF BEING POWERED BY AN ELECTRICAL SERVICE DROP FROM A LOCAL UTILITY COMPANY. THE PCMS SHALL BE DELINEATED IN ACCORDANCE WITH C&MS 614.03.

THE PROBABLE PCMS LOCATIONS AND WORK LIMITS FOR THOSE LOCATIONS ARE SHOWN ON SHEETS P.10 - P.11 OF THE PLAN. PLACEMENT, OPERATION, MAINTENANCE AND ALL ACTIVATION OF THE SIGNS BY THE CONTRACTOR SHALL BE AS DIRECTED BY THE ENGINEER. THE PCMS SHALL BE LOCATED IN A HIGHLY VISIBLE POSITION YET PROTECTED FROM TRAFFIC. THE CONTRACTOR SHALL, AT THE DIRECTION OF THE ENGINEER, RELOCATE THE PCMS TO IMPROVE VISIBILITY OR ACCOMMODATE CHANGED CONDITIONS. WHEN NOT IN USE, THE PCMS SHALL BE TURNED OFF. ADDITIONALLY, WHEN NOT IN USE FOR EXTENDED PERIODS OF TIME, THE PCMS SHALL BE TURNED AWAY FROM ALL TRAFFIC.

THE ENGINEER SHALL BE PROVIDED ACCESS TO EACH SIGN UNIT AND SHALL BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION INSTRUCTIONS TO ENABLE ODOT PERSONNEL TO OPERATE AND TROUBLESHOOT THE UNIT, AND TO REVISE SIGN MESSAGES, IF NECESSARY.

ALL MESSAGES TO BE DISPLAYED ON THE SIGN WILL BE PROVIDED BY THE ENGINEER. A LIST OF ALL REQUIRED PRE-PROGRAMMED MESSAGES WILL BE GIVEN TO THE CONTRACTOR AT THE PROJECT PRECONSTRUCTION CONFERENCE. THE SIGN SHALL HAVE THE CAPABILITY TO STORE UP TO 99 MESSAGES. MESSAGE MEMORY OR PRE-PROGRAMMED DISPLAYS SHALL NOT BE LOST AS A RESULT OF POWER FAILURES TO THE ON-BOARD COMPUTER. THE SIGN LEGEND SHALL BE CAPABLE OF BEING CHANGED IN THE FIELD. THREE-LINE PRESENTATION FORMATS WITH UP TO SIX MESSAGE PHASES SHALL BE SUPPORTED. PCMS FORMAT SHALL PERMIT THE COMPLETE MESSAGE FOR EACH PHASE TO BE READ AT LEAST TWICE.

THE PCMS SHALL CONTAIN AN ACCURATE CLOCK AND PROGRAMMING LOGIC WHICH WILL ALLOW THE SIGN TO BE ACTIVATED, DEACTIVATED OR MESSAGES CHANGED AUTOMATICALLY AT DIFFERENT TIMES OF THE DAY FOR DIFFERENT DAYS OF THE WEEK.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR 24-HOUR-PER- DAY OPERATION AND MAINTENANCE OF THESE SIGNS ON THE PROJECT FOR THE DURATION OF THE PHASES WHEN THE PLAN REQUIRES THEIR USE.

PAYMENT FOR THE ABOVE DESCRIBED ITEM SHALL BE AT THE CONTRACT UNIT PRICE. PAYMENT SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, FUELS, LUBRICATING OILS, SOFTWARE, HARDWARE AND INCIDENTALS TO PERFORM THE ABOVE DESCRIBED WORK.

ITEM 614, PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN **- - 12 SIGN MONTH**

ASSUMING 4 PCMS SIGN(S) FOR 3 MONTHS

LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS

USE OF LAW ENFORCEMENT OFFICERS (LEOS) BY CONTRACTORS OTHER THAN THE USES SPECIFIED BELOW SHALL NOT BE PERMITTED AT PROJECT COST NOR TIME COMPENSATION. LEOS SHOULD NOT BE USED WHERE THE OMUTCD INTENDS THAT FLAGGERS BE USED.

IN ADDITION TO THE REQUIREMENTS OF C&MS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHALL BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS:

- DURING THE ENTIRE ADVANCE PREPARATION AND CLOSURE SEQUENCE WHERE COMPLETE BLOCKAGE OF TRAFFIC IS REQUIRED.
- DURING A TRAFFIC SIGNAL INSTALLATION WHEN IMPACTING THE NORMAL FUNCTION OF THE SIGNAL OR THE FLOW OF TRAFFIC, OR WHEN TRAFFIC NEEDS TO BE DIRECTED THROUGH AN ENERGIZED TRAFFIC SIGNAL CONTRARY TO THE SIGNAL DISPLAY (E.G., DIRECTING MOTORISTS THROUGH A RED LIGHT).
- DURING PERIODS WHERE TRAFFIC NEEDS TO BE DIRECTED CONTRARY TO A TRAFFIC CONTROL DEVICE (FLAGGER, SIGN [E.G. STOP SIGN, STREET OR HIGHWAY SIGNS, ETC], SIGNAL OR OTHER DEVICE USED TO REGULATE, WARN OR GUIDE TRAFFIC). TRAFFIC IN THIS INSTANCE INCLUDES VEHICULAR, PEDESTRIAN AND/OR SHARED USE PATH USERS.

IN ADDITION TO THE REQUIREMENT OF C&MS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHOULD BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS AS APPROVED BY THE ENGINEER:

- FOR LANE CLOSURES THAT MEET ALL OF THE CRITERIA LISTED BELOW: DURING INITIAL SET-UP PERIODS, TEAR DOWN PERIODS, SUBSTANTIAL SHIFTS OF A CLOSURE POINT OR WHEN NEW LANE CLOSURE ARRANGEMENTS ARE INITIATED FOR LONG-TERM LANE CLOSURES/SHIFTS (FOR THE FIRST AND LAST DAY OF MAJOR CHANGES IN TRAFFIC CONTROL SETUP).
  - CRITERIA"
    - ON A MULTI-LANE DIVIDED INTERSTATE, OTHER FREEWAY OR EXPRESSWAY; AND,
    - AN AUTHORIZED SPEED LIMIT OF 45 MPH OR GREATER THAT IS IN EFFECT AT THE TIME OF THE OPERATION; AND,
    - AADT OF 50,000 (OR AADT OF 30,000 WITH 25% OR HIGHER PERCENT TRUCKS)

IN GENERAL, LEOS SHOULD BE POSITIONED IN ADVANCE OF AND ON THE SAME SIDE AS THE LANE RESTRICTION (OR AT THE POINT OF ROAD CLOSURE), AND TO MANUALLY CONTROL TRAFFIC MOVEMENTS THROUGH SIGNALIZED INTERSECTIONS AND/OR IN CONTRARY TO OTHER TRAFFIC CONTROL DEVICES IN WORK ZONES.

LEOS SHOULD NOT FORGO THEIR TRAFFIC CONTROL RESPONSIBILITIES TO APPREHEND MOTORISTS FOR ROUTINE TRAFFIC VIOLATIONS. HOWEVER, IF A MOTORIST'S ACTIONS ARE CONSIDERED TO BE RECKLESS, THEN PURSUIT OF THE MOTORIST IS APPROPRIATE.

THE LEOS WORK AT THE DIRECTION OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR SECURING THE SERVICES OF THE LEOS WITH THE APPROPRIATE AGENCIES AND COMMUNICATING THE INTENTIONS OF THE PLANS WITH RESPECT TO DUTIES OF THE LEOS. THE ENGINEER SHALL HAVE FINAL CONTROL OVER THE LEOS' DUTIES AND PLACEMENT, AND WILL RESOLVE ANY ISSUES THAT MAY ARISE BETWEEN THE TWO PARTIES.

(CONTINUED...)

LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS

(CONTINUED...)

ENSURE PROVIDED LEOS HAVE BEEN TRAINED APPROPRIATE TO THE JOB DECISIONS THEY ARE REQUIRED TO MAKE WHILE ON THE PROJECT, IN ACCORDANCE WITH C&MS 614.03.

THE LEO SHALL REPORT IN TO THE CONTRACTOR PRIOR TO THE START OF THE SHIFT, IN ORDER TO RECEIVE INSTRUCTIONS REGARDING SPECIFIC WORK ASSIGNMENTS DURING HIS/HER SHIFT. THE SHIFT DURATION SHALL NOT BE LESS THAN THE LEOS MINIMUM SHOW-UP TIME REQUIRED BY THEIR LAW ENFORCEMENT AGENCY.THE LEO IS EXPECTED TO STAY AT THE PROJECT SITE FOR THE ENTIRE DURATION OF HIS/HER SHIFT. THE LEO SHALL REPORT TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT. SHOULD IT BE NECESSARY TO LEAVE THE PROJECT SITE, THE LEO SHALL NOTIFY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE THE LEO WITH A TWO-WAY COMMUNICATION DEVICE THAT SHALL BE RETURNED TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT.

LEOS (WITH PATROL CAR) REQUIRED BY THE TRAFFIC MAINTENANCE TASKS ABOVE SHALL BE PAID FOR ON A UNIT PRICE (HOURLY) BASIS UNDER ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY.

ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE **- - 2000 HOURS**

THE HOURS PAID SHALL INCLUDE ANY MINIMUM SHOW-UP TIME REQUIRED BY THE LAW ENFORCEMENT AGENCY INVOLVED.

ANY ADDITIONAL COSTS (ADMINISTRATIVE OR OTHERWISE) INCURRED BY THE CONTRACTOR TO OBTAIN THE SERVICES OF AN LEO ARE INCLUDED WITH THE BID UNIT PRICE FOR ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE.

CAR-39-23.34
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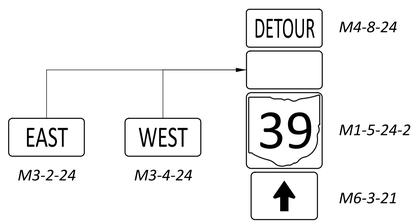
ITEM 614, DETOUR SIGNING

THE FOLLOWING DETOUR SIGNS SHALL BE ERECTED ALONG THE DESIGNATED OFFICIAL DETOUR ROUTE AND SHALL BE ASSEMBLED AS SHOWN ON SHEET P.11. ALL DETOUR SIGNING SHALL BE INSTALLED BEFORE COMMENCING ANY OF THE PROPOSED WORK REQUIRING THE DETOUR.

EACH SIGN ASSEMBLY SHALL BE PLACED 100 FT (OR AS DIRECTED) IN ADVANCE OF THE IMPENDING CHANGE OF ROUTE. OFFSET SHALL BE AS PER STANDARD CONSTRUCTION DRAWING TC-42.20.

IN ADDITION TO THE SIGNS LISTED IN THIS NOTE AND SHOWN ON THE, INTERSECTION MAPS, PLACE THE FOLLOWING SIGN ASSEMBLIES AT INTERVALS NOT TO EXCEED 2 MILES IN RURAL AREAS AND AT INTERVALS NOT TO EXCEED 2 BLOCKS WITHIN URBAN AREAS. IT IS RECOMMENDED THAT AN ASSEMBLY BE PLACED JUST PAST EACH SIGNIFICANT INTERSECTION WHEN THE DETOUR CONTINUES IN AN UN-ALTERED DIRECTION. IT IS ANTICIPATED THAT 10 SIGN ASSEMBLIES WILL BE REQUIRED TO MEET THIS MAXIMUM SPACING. SEE SHEET P.11 FOR A MAP SHOWING THE ENTIRE OFFICIAL DETOUR ROUTE.



ITEM 614, DETOUR SIGNING (CONTINUED)

ALL ANTICIPATED QUANTITIES ARE SHOWN IN THE TABLE BELOW AND ARE PROVIDED FOR INFORMATION ONLY.

SIGN CODE	NO. OF SIGNS
R11-3A-60	2
R11-3-66	2
M4-10R-48	2
M4-10L-48	2
M4-8-24	26
M4-8A-24	2
M3-2-24	11
M3-4-24	14
M5-1L-21	2
M6-1L-21	2
M5-1R--21	3
M6-1R-21	3
M6-3-21	10
W20-2-36	3
M1-5-24-2	26

PAYMENT FOR ALL LABOR, EQUIPMENT & MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, DETOUR SIGNING, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

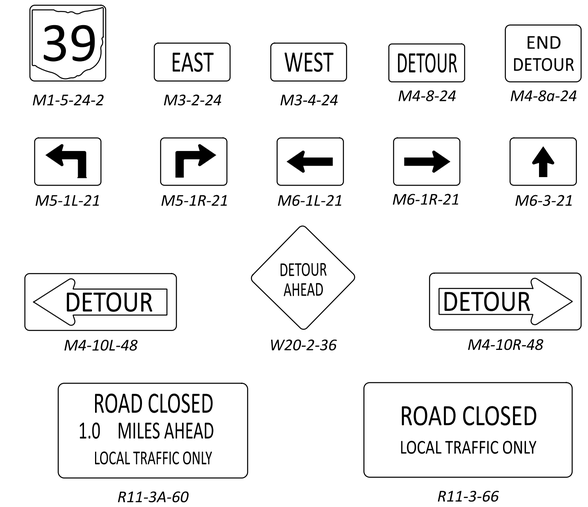
DESIGNATED LOCAL DETOUR ROUTE

IN ADDITION TO THE OFFICIAL, SIGNED DETOUR ROUTE, LOCAL ROUTES HAVE BEEN DETERMINED TO BE THE SECONDARY, UNSIGNED DETOUR ROUTES OR "DESIGNATED LOCAL DETOUR ROUTES." THESE ROUTES ARE SHOWN ON SHEET P.11. DURING THE TIME THAT TRAFFIC IS DETOURED, THE CONTRACTOR SHALL MAINTAIN THESE ROUTES IN A CONDITION WHICH IS REASONABLY SMOOTH AND FREE FROM HOLES, RUTS, RIDGES, BUMPS, DUST AND STANDING WATER. ONCE THE DETOURS ARE REMOVED AND TRAFFIC RETURNED TO ITS NORMAL PATTERN, THE DESIGNATED LOCAL DETOUR ROUTES SHALL BE RESTORED TO A CONDITION THAT IS EQUIVALENT TO THAT WHICH EXISTED PRIOR TO THEIR USE FOR THIS PURPOSE. ALL SUCH WORK SHALL BE PERFORMED WHEN AND AS DETERMINED BY THE ENGINEER.

THE FOLLOWING ESTIMATED QUANTITIES ARE PROVIDED FOR USE AS DETERMINED BY THE ENGINEER TO MAINTAIN AND SUBSEQUENTLY RESTORE THE DESIGNATED LOCAL DETOUR ROUTES.

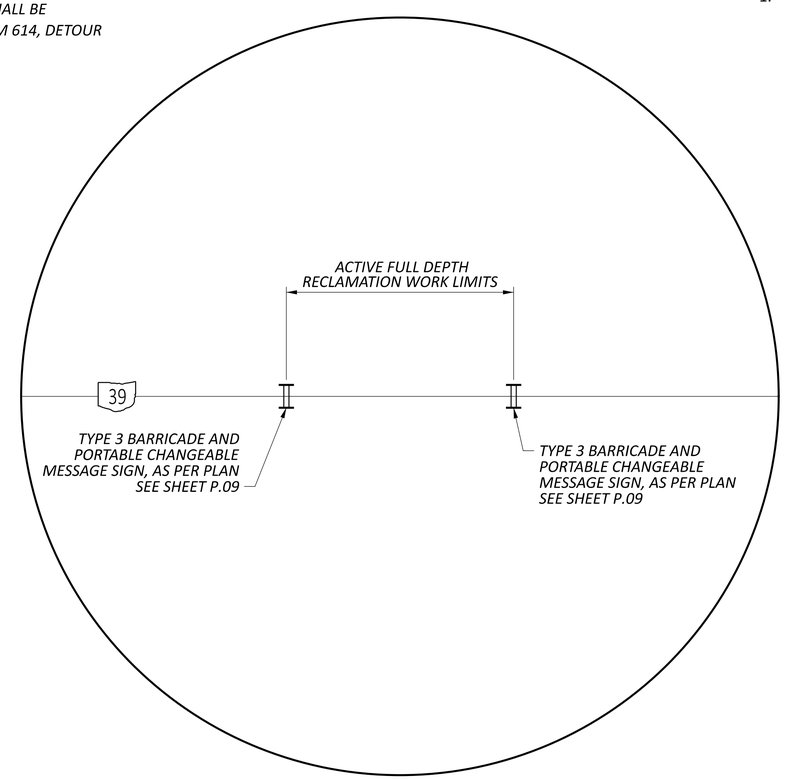
ITEM 614, ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	**-100 CU. YD.**
ITEM 407, TACK COAT	**- - 245 GAL.**
ITEM 411, STABILIZED CRUSHED AGGREGATE,	**- - 100 CU. YD.**

SIGN LEGEND



NOTE

1. FOR ADDITIONAL SIGNING DETAILS, SEE SCD MT-101.60



FULL DEPTH RECLAMATION WORK AREA DETAIL

DETOUR NOTES

DESIGN AGENCY

DESIGNER DAB

REVIEWER BSH 02/20/25

PROJECT ID 105259

SHEET P.10 TOTAL 38

CAR-39-23.34

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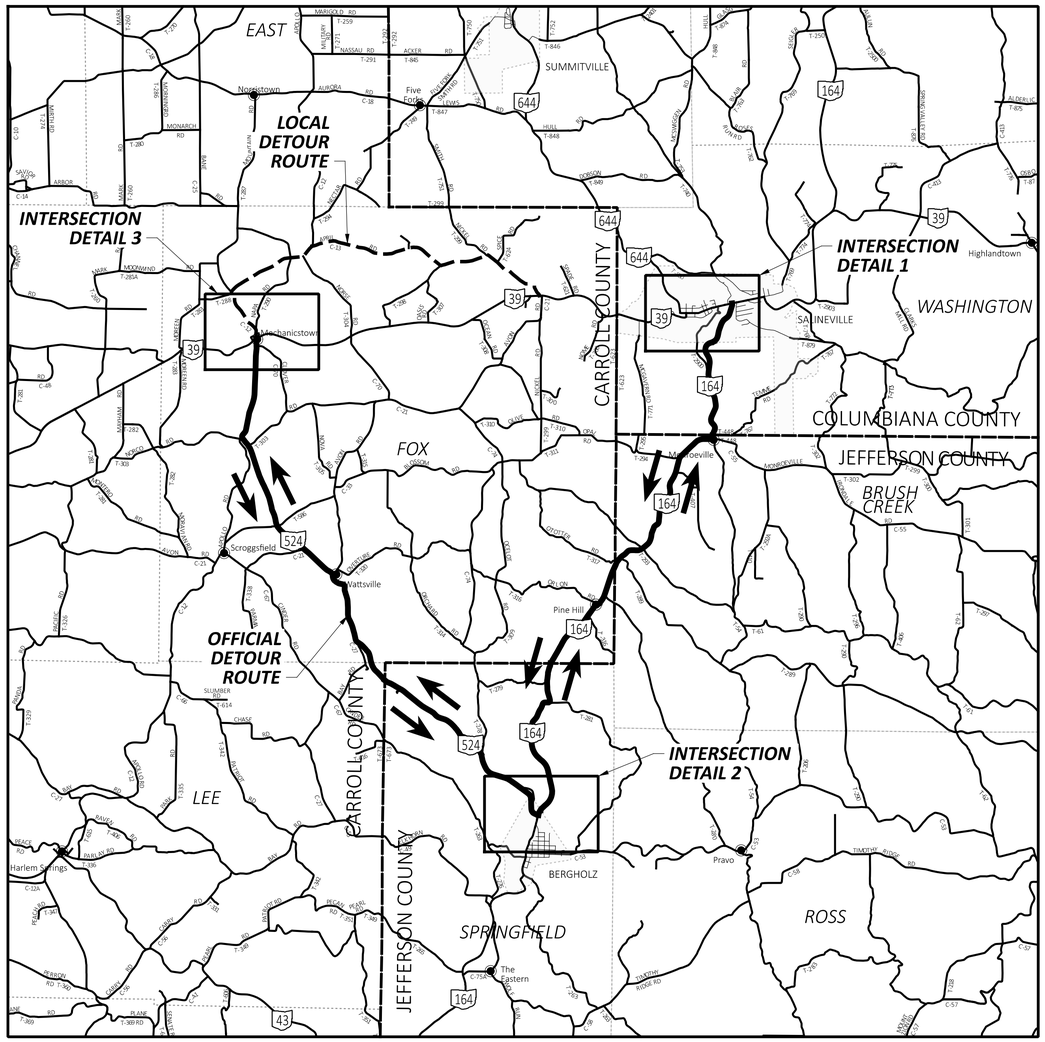
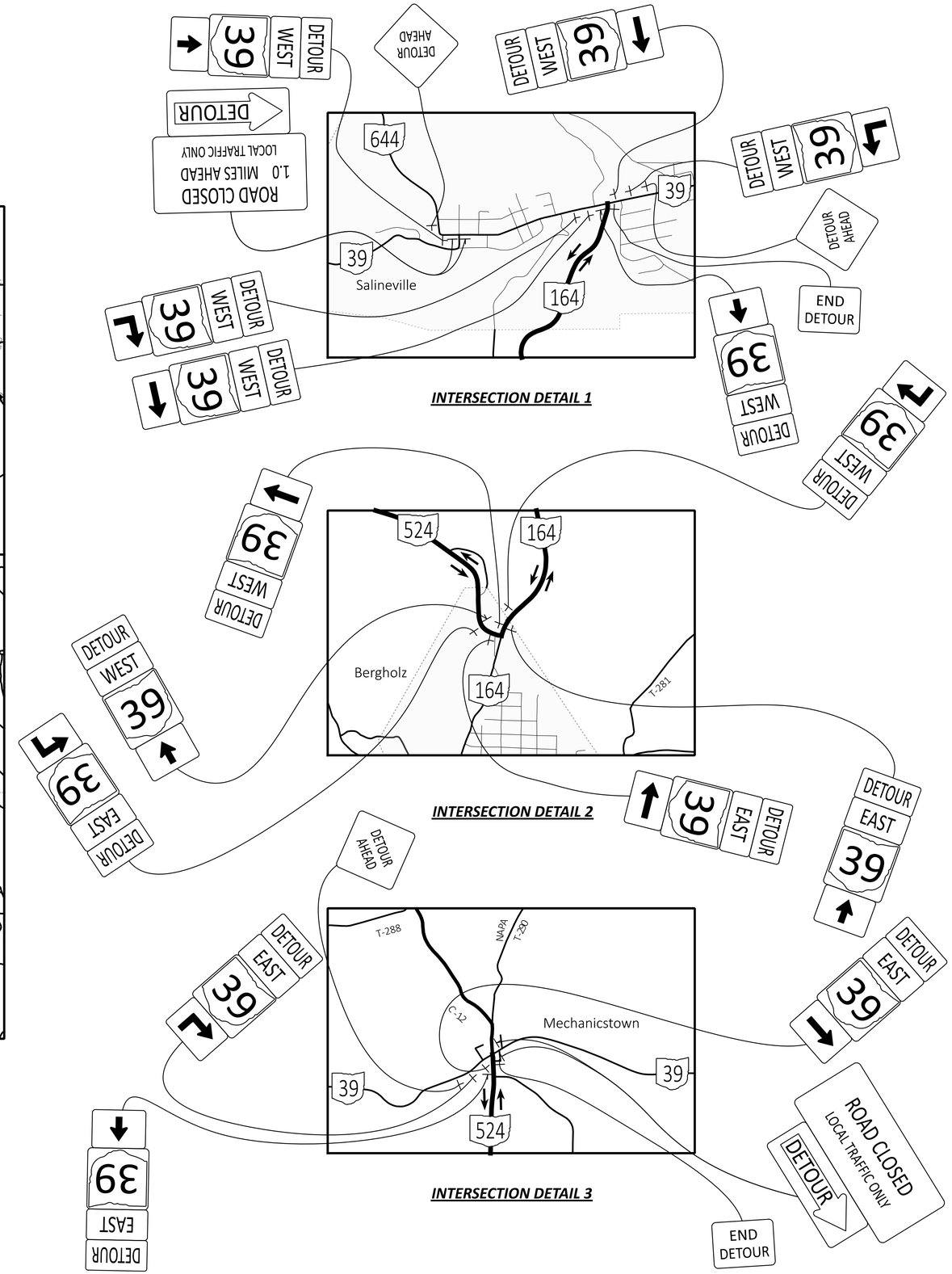


DETOUR MAP
NOT TO SCALE

N

OFFICIAL DETOUR ROUTE

DESIGNATED LOCAL DETOUR ROUTE



MAINTENANCE OF TRAFFIC DETOUR PLAN

DESIGN AGENCY

DESIGNER
DAB

REVIEWER
BSH 02/20/25

PROJECT ID
105259

SHEET P.11 TOTAL 38

CAR-39-23.34

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SHEET NUMBER													PART.	ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
P.05	P.06			P.10	P.26	P.27	P.28	P.29	P.31				01/STR						
																		ROADWAY	
LS													LS	201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN	P.05
								3,200					3,200	202	23500	3,200	SY	WEARING COURSE REMOVED	
					8,525								8,525	202	38000	8,525	FT	GUARDRAIL REMOVED	
					119								119	203	20001	119	CY	EMBANKMENT, AS PER PLAN	P.06
	1,333												1,333	204	13000	1,333	CY	EXCAVATION OF SUBGRADE	
	2,000												2,000	204	50000	2,000	SY	GEOTEXTILE FABRIC	
							10.2						10.2	209	60500	10.2	MILE	LINEAR GRADING	
							10.2						10.2	209	72051	10.2	MILE	PREPARING SUBGRADE FOR SHOULDER PAVING, AS PER PLAN	P.05
					200								200	606	13000	200	FT	GUARDRAIL, TYPE 5	
					5,881.25								5,881.25	606	15050	5,881.25	FT	GUARDRAIL, TYPE MGS	
					175								175	606	15200	175	FT	GUARDRAIL, TYPE MGS HALF POST SPACING WITH LONG POSTS	
					3								3	606	25550	3	EACH	ANCHOR ASSEMBLY, MGS TYPE A	
					34								34	606	26150	34	EACH	ANCHOR ASSEMBLY, MGS TYPE E	
					13								13	606	26050	13	EACH	ANCHOR ASSEMBLY, MGS TYPE B	
					8								8	606	26550	8	EACH	ANCHOR ASSEMBLY, MGS TYPE T	
					8								8	606	35140	8	EACH	BRIDGE TERMINAL ASSEMBLY, TYPE 4	
					337.5								337.5	606	98000	337.5	FT	GUARDRAIL, MISC.: RAIL PANEL REPLACEMENT	P.05
					2								2	625	32000	2	EACH	GROUND ROD	
																		EROSION CONTROL	
2													2	659	00100	2	EACH	SOIL ANALYSIS TEST	
18,000													18,000	659	10000	18,000	SY	SEEDING AND MULCHING	
900													900	659	14000	900	SY	REPAIR SEEDING AND MULCHING	
2.43													2.43	659	20000	2.43	TON	COMMERCIAL FERTILIZER	
3.72													3.72	659	31000	3.72	ACRE	LIME	
100													100	659	35000	100	MGAL	WATER	
													10,000	832	30000	10,000	EACH	EROSION CONTROL	
																		PAVEMENT	
									703				703	253	90100	703	SY	PAVEMENT REPAIR, MISC.: SHOULDER REBUILT	P.31
	1,333												1,333	304	20000	1,333	CY	AGGREGATE BASE	
				245		8,350	796						9,391	407	10000	9,391	GAL	TACK COAT	
							4,730						4,730	408	10001	4,730	GAL	PRIME COAT, AS PER PLAN	P.05
				100									100	411	10000	100	CY	STABILIZED CRUSHED AGGREGATE	
						2,544	359						2,903	441	10100	2,903	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (446), PG70-22M	
						7,565	755						8,320	441	10200	8,320	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (446)	
						67	12						79	441	70300	79	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)	
								118					118	441	70501	118	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), (DRIVEWAYS), AS PER PLAN	P.06
							1,313						1,313	617	10101	1,313	CY	COMPACTED AGGREGATE, AS PER PLAN	P.05
						71,933	7,232						79,165	827	10001	79,165	SY	PAVEMENT REMOVED, AS PER PLAN	P.05
						2,526	260						2,786	827	11000	2,786	TON	CEMENT	
						71,933	7,232						79,165	827	12000	79,165	SY	CURING COAT	
						71,933	7,232						79,165	827	20000	79,165	SY	FULL DEPTH RECLAIMED BASE COURSE, 12" DEEP	
													LS	827	21000	LS		MIXTURE DESIGN FOR FULL DEPTH RECLAIMED BASE	
						359	42						401	827	22000	401	TON	CORRECTIVE MATERIAL	
						539	59						598	827	23000	598	TON	COVER AGGREGATE	
													LS	827	30000	LS		JUST-IN-TIME TRAINING	

GENERAL SUMMARY

DESIGN AGENCY

DESIGNER
DAB

REVIEWER
BSH 02/20/25

PROJECT ID
105259

SHEET P.12 TOTAL 38

CAR-39-23.34

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 1/23/2026 TIME: 9:37:51 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Brock.Hovanick@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 105259 PRODUCT: OpenRoadsDesigner 24.00.00.205
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SHEET NUMBER													PART.	ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
		P.08	P.09	P.10	P.26					P.32	P.33		01/STR						
																		TRAFFIC CONTROL	
										670			670	621	00100	670	EACH	RPM	
										670			670	621	54000	670	EACH	RAISED PAVEMENT MARKER REMOVED	
					148								148	626	00110	148	EACH	BARRIER REFLECTOR, TYPE 2 (BI-DIRECTIONAL)	
										54			54	630	02100	54	FT	GROUND MOUNTED SUPPORT, NO. 2 POST	
										6			6	630	80100	6	SF	SIGN, FLAT SHEET	
										10.14			10.14	646	10010	10.14	MILE	EDGE LINE, 6"	
										5.07			5.07	646	10200	5.07	MILE	CENTER LINE	
																		STRUCTURE REPAIR (CAR-39-27.300) (SFN: 1000640))	
											47		47	846	00110	47	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM	
																		MAINTENANCE OF TRAFFIC	
		50											50	410	12000	50	CY	TRAFFIC COMPACTED SURFACE, TYPE A OR B	
			2,000										2,000	614	11110	2,000	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
				LS									LS	614	12420	LS		DETOUR SIGNING	
		200		100									300	614	13000	300	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	
			12										12	614	18601	12	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	P.09
		200											200	616	10000	200	MGAL	WATER	
																		INCIDENTALS	
		LS											LS	614	11000	LS		MAINTAINING TRAFFIC	
													6	619	16020	6	MNTH	FIELD OFFICE, TYPE C	
													LS	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
													LS	624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

DESIGN AGENCY

DESIGNER
DAB

REVIEWER
BSH 02/20/25

PROJECT ID
105259

SHEET P.13 TOTAL 38

CAR-39-23.34

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 10/23/2025 TIME: 9:38:32 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Drew.Bigler@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 105259 PRODUCT: OpenRoadsDesigner 24.00.00.205
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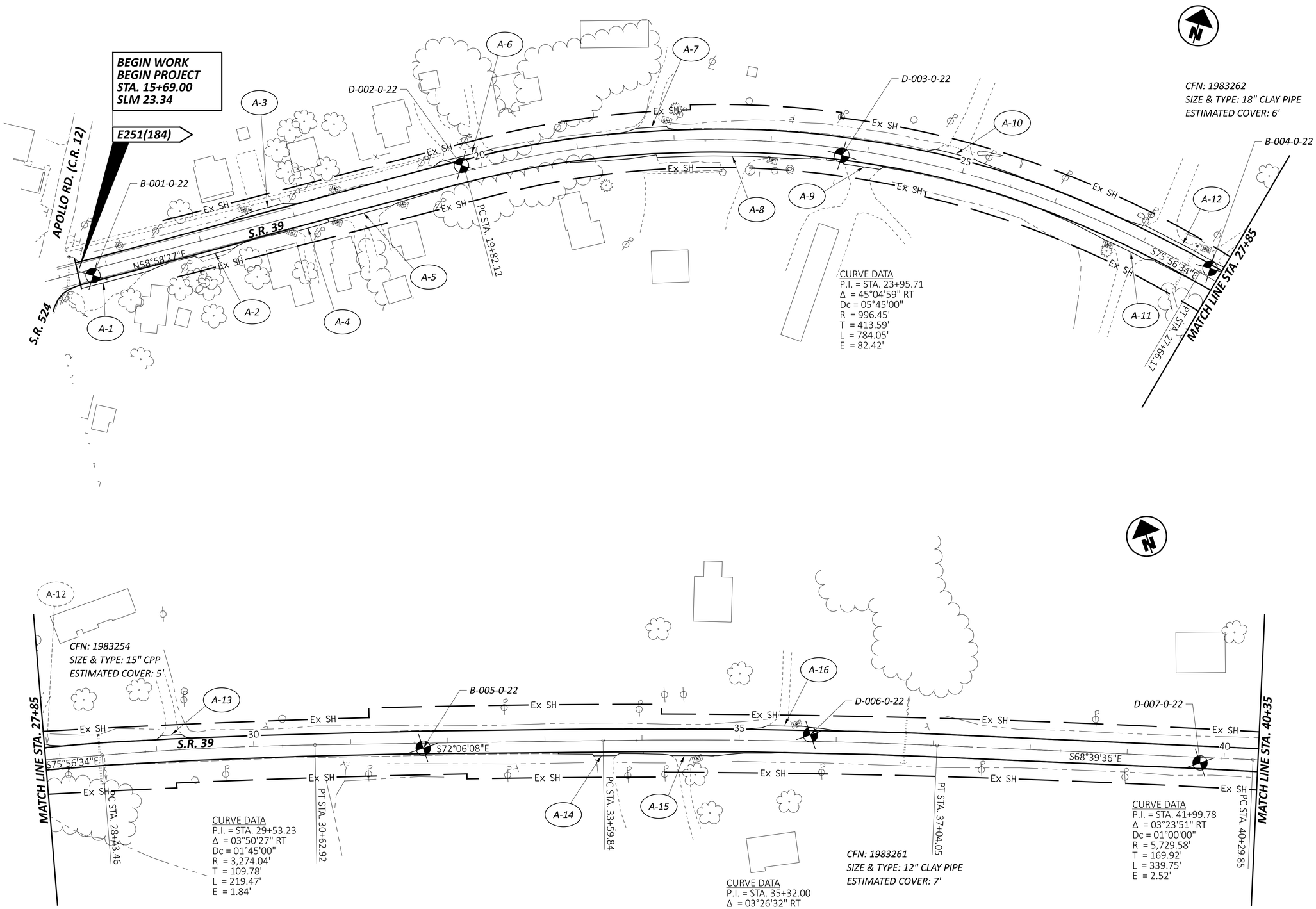

NOTES:
FOR PROFILE DATA, SEE SHEET P.25
FOR ROADWAY ESTIMATED QUANTITIES, SEE SHEET P.26
FOR PAVEMENT ESTIMATED QUANTITIES, SEE SHEETS P.27-P.28
FOR DRIVES, SIDE ROADS, AND MAILBOX PULLOFF ESTIMATED QUANTITIES, SEE SHEET P.29
FOR TRAFFIC CONTROL QUANTITIES, SEE SHEET P.32

S.R. 39 - PLAN SHEET
STA. 15+69.00 TO STA. 40+35

DESIGN AGENCY

DESIGNER: DAB
REVIEWER: BSH 02/20/25
PROJECT ID: 105259
SHEET: P.14 TOTAL: 38

CAR-39-23.34

MODEL: CL_CONST_SR39 - Plan 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/23/2025 TIME: 9:38:42 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Drew.Bigler@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 105259 PRODUCT: OpenRoadsDesigner 24.00.00.205
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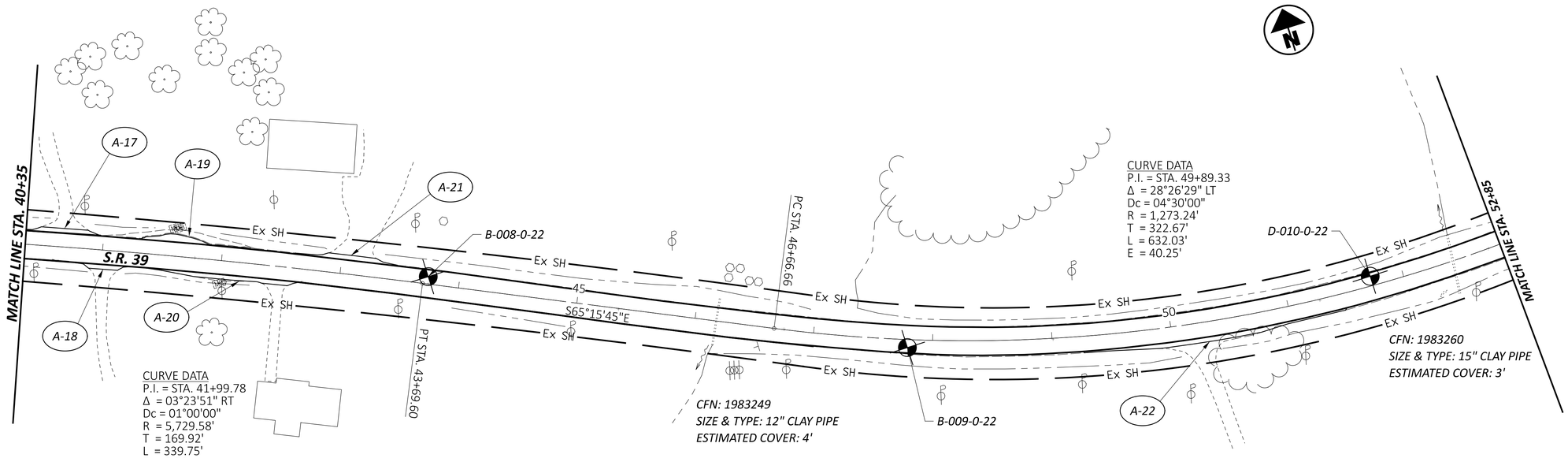

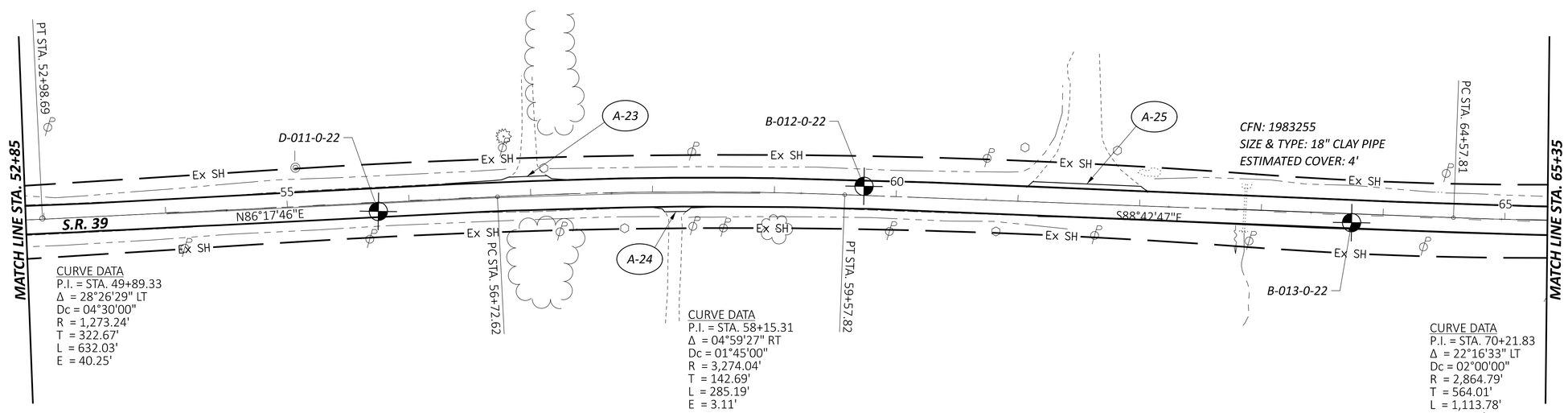

NOTES:
FOR PROFILE DATA, SEE SHEET P.25
FOR ROADWAY ESTIMATED QUANTITIES, SEE SHEET P.26
FOR PAVEMENT ESTIMATED QUANTITIES, SEE SHEETS P.27-P.28
FOR DRIVES, SIDE ROADS, AND MAILBOX PULLOFF ESTIMATED QUANTITIES, SEE SHEET P.29
FOR TRAFFIC CONTROL QUANTITIES, SEE SHEET P.32

HORIZONTAL SCALE IN FEET
0 25 50 100

S.R. 39 - PLAN SHEET
STA. 40+35.00 TO ST. 65+35.00

DESIGN AGENCY

DESIGNER: DAB
REVIEWER: BSH 02/20/25
PROJECT ID: 105259
SHEET: P.15 TOTAL: 38

CAR-39-23.34

MODEL: CL_CONST_SR39 - Plan 3 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/23/2025 TIME: 9:38:44 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Drew.Bigler@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 105259 PRODUCT: OpenRoadsDesigner 24.00.00.205
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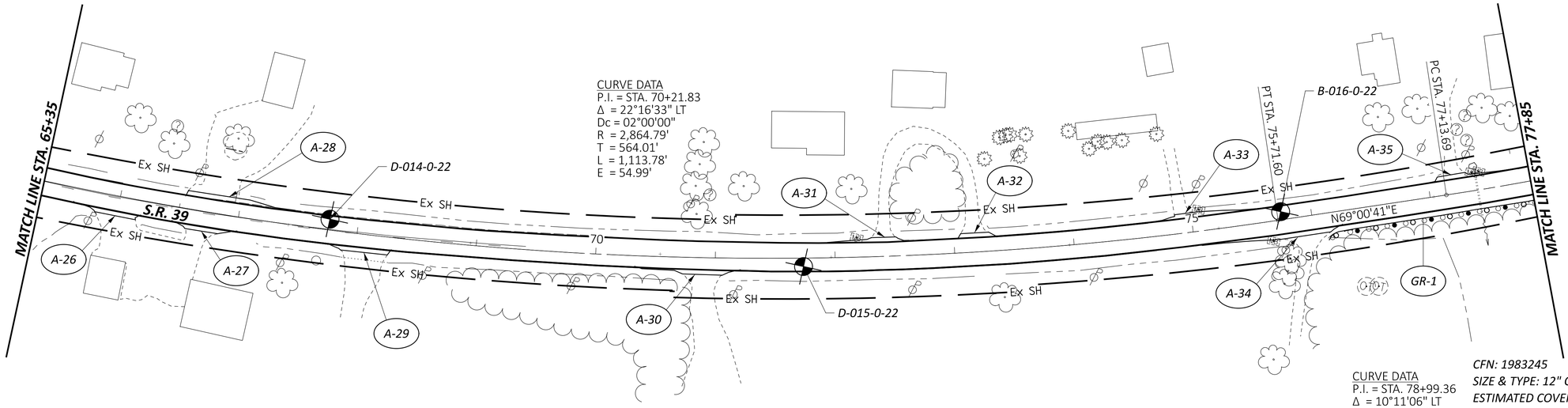

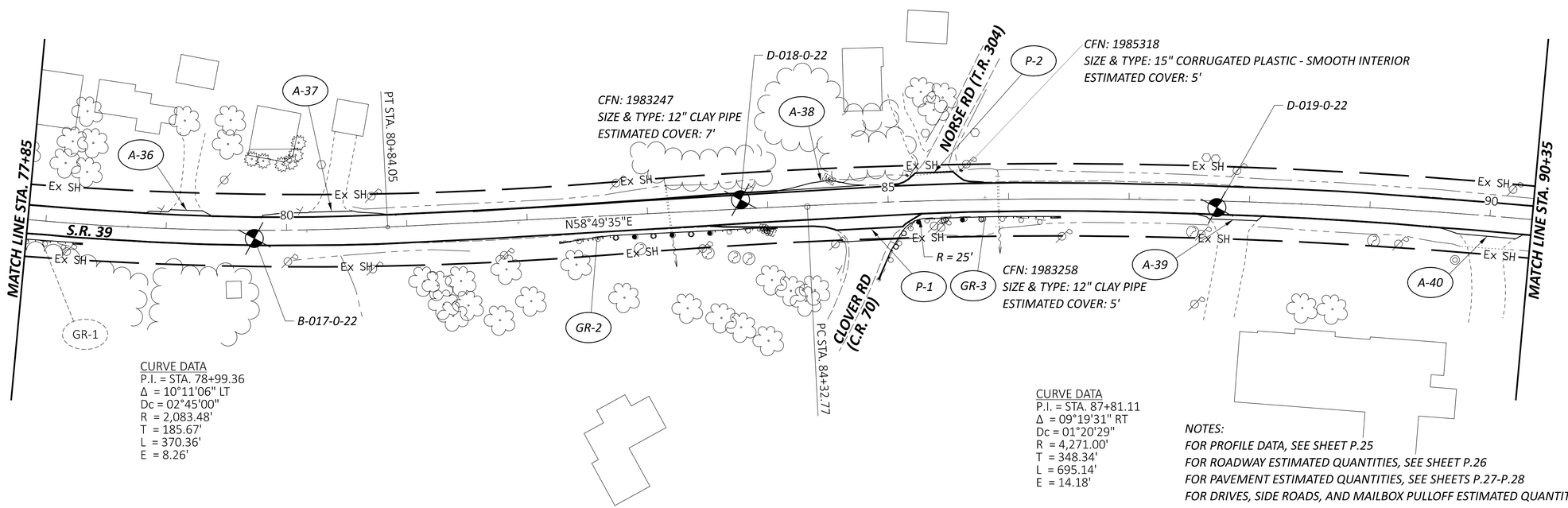

NOTES:
FOR PROFILE DATA, SEE SHEET P.25
FOR ROADWAY ESTIMATED QUANTITIES, SEE SHEET P.26
FOR PAVEMENT ESTIMATED QUANTITIES, SEE SHEETS P.27-P.28
FOR DRIVES, SIDE ROADS, AND MAILBOX PULLOFF ESTIMATED QUANTITIES, SEE SHEET P.29
FOR TRAFFIC CONTROL QUANTITIES, SEE SHEET P.32

HORIZONTAL SCALE IN FEET
0 25 50 100

S.R. 39 - PLAN SHEET
STA. 65+35.00 TO STA. 90+35.00

DESIGN AGENCY

DESIGNER
DAB

REVIEWER
BSH 02/20/25

PROJECT ID
105259

SHEET P.16 TOTAL 38

CAR-39-23.34

MODEL: CL_CONST_SR39 - Plan 5 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/23/2025 TIME: 9:38:44 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Drew.Bigler@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 105259 PRODUCT: OpenRoadsDesigner 24.00.00.205
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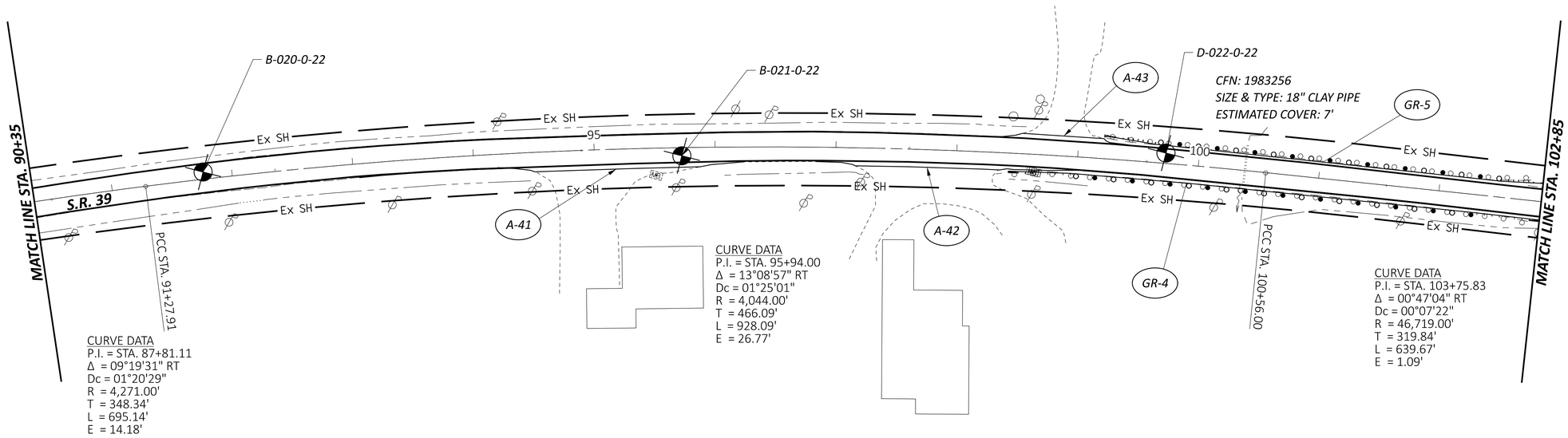

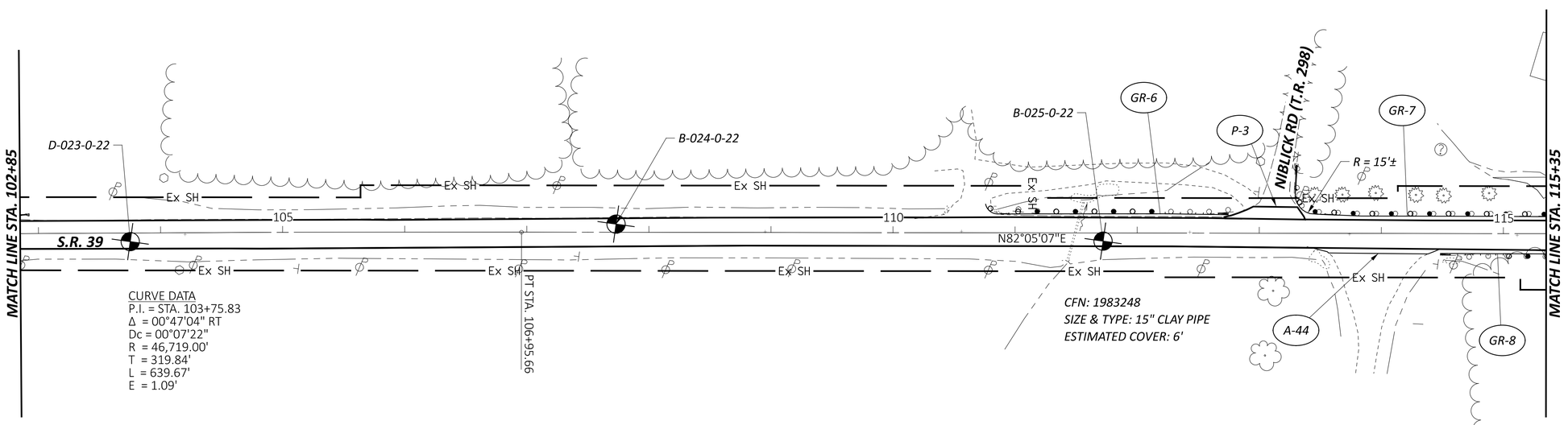

NOTES:
FOR PROFILE DATA, SEE SHEET P.25
FOR ROADWAY ESTIMATED QUANTITIES, SEE SHEET P.26
FOR PAVEMENT ESTIMATED QUANTITIES, SEE SHEETS P.27-P.28
FOR DRIVES, SIDE ROADS, AND MAILBOX PULLOFF ESTIMATED QUANTITIES, SEE SHEET P.29
FOR TRAFFIC CONTROL QUANTITIES, SEE SHEET P.32

HORIZONTAL SCALE IN FEET
0 25 50 100

S.R. 39 - PLAN SHEET
STA. 90+35.00 TO STA. 115+35.00

DESIGN AGENCY

DESIGNER: DAB
REVIEWER: BSH 02/20/25
PROJECT ID: 105259
SHEET: P.17 TOTAL: 38

CAR-39-23.34

MODEL: CL_CONST_SR39 - Plan 7 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/23/2025 TIME: 9:38:45 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Drew.Bigler@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 105259 PRODUCT: OpenRoadsDesigner 24.00.00.205
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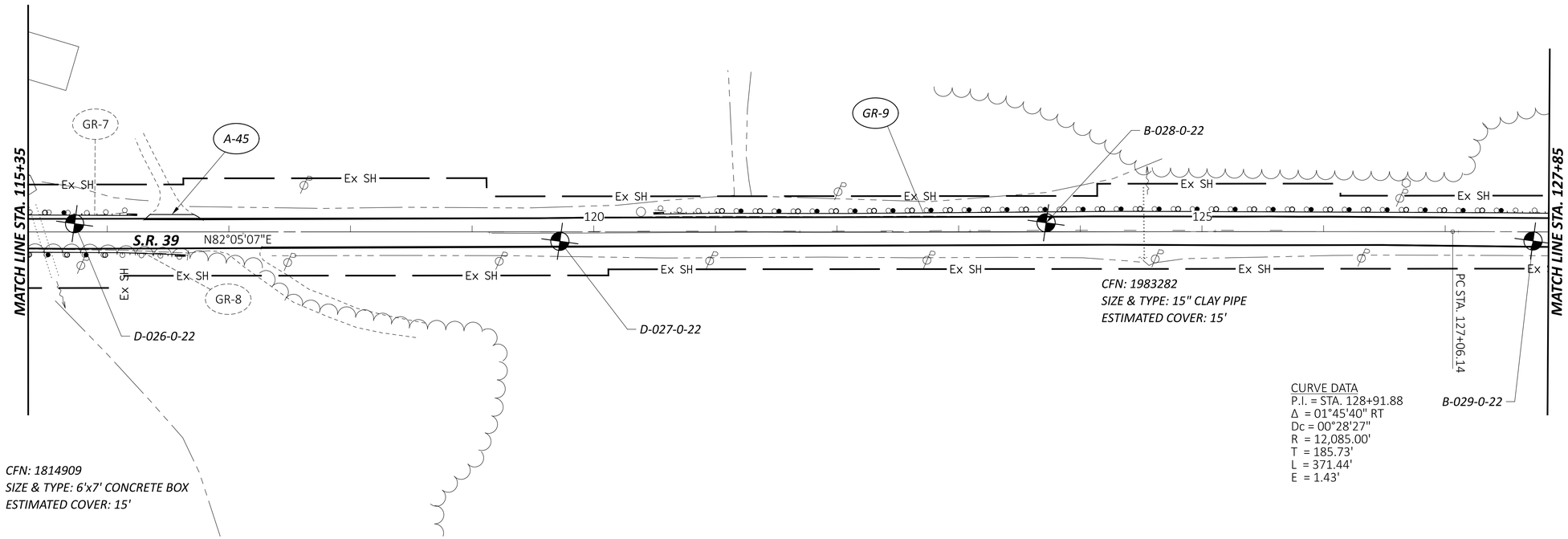

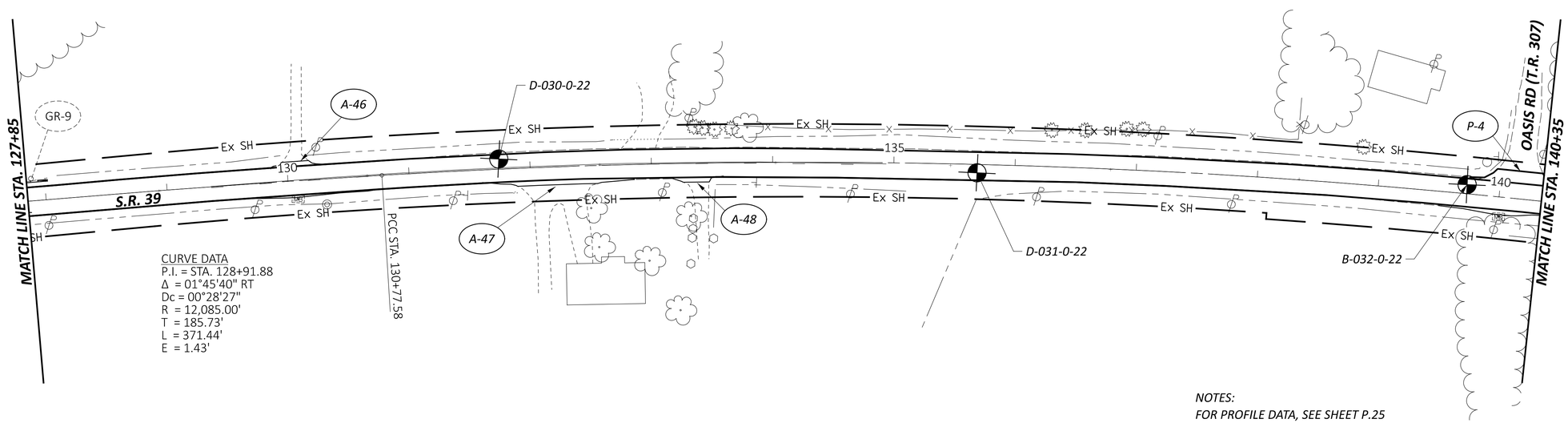

NOTES:
FOR PROFILE DATA, SEE SHEET P.25
FOR ROADWAY ESTIMATED QUANTITIES, SEE SHEET P.26
FOR PAVEMENT ESTIMATED QUANTITIES, SEE SHEETS P.27-P.28
FOR DRIVES, SIDE ROADS, AND MAILBOX PULLOFF ESTIMATED QUANTITIES, SEE SHEET P.29
FOR TRAFFIC CONTROL QUANTITIES, SEE SHEET P.32

HORIZONTAL SCALE IN FEET
0 25 50 100

S.R. 39 - PLAN SHEET
STA. 115+35.00 TO STA. 140+35.00

DESIGN AGENCY

DESIGNER
DAB

REVIEWER
BSH 02/20/25

PROJECT ID
105259

SHEET P.18 TOTAL 38

CAR-39-23.34

MODEL: CL_CONST_SR39 - Plan 9 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/23/2025 TIME: 9:38:46 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Drew.Bigler@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 105259 PRODUCT: OpenRoadsDesigner 24.00.00.205
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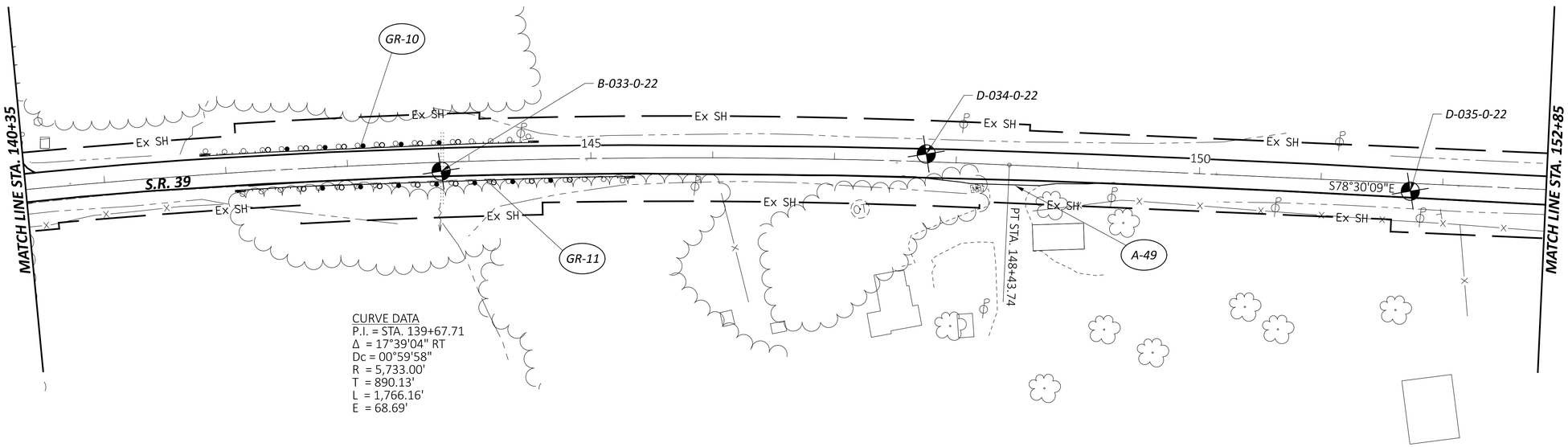

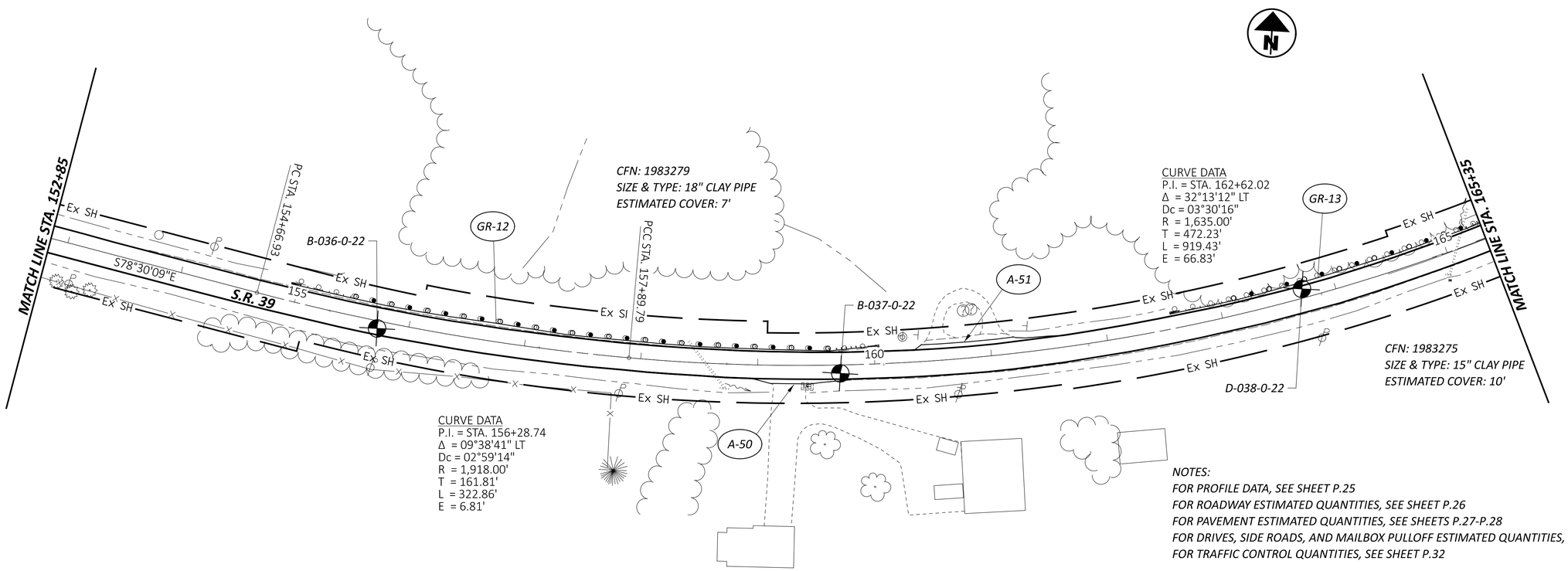

NOTES:
FOR PROFILE DATA, SEE SHEET P.25
FOR ROADWAY ESTIMATED QUANTITIES, SEE SHEET P.26
FOR PAVEMENT ESTIMATED QUANTITIES, SEE SHEETS P.27-P.28
FOR DRIVES, SIDE ROADS, AND MAILBOX PULLOFF ESTIMATED QUANTITIES, SEE SHEET P.29
FOR TRAFFIC CONTROL QUANTITIES, SEE SHEET P.32

HORIZONTAL SCALE IN FEET
0 25 50 100

S.R. 39 - PLAN SHEET
STA. 140+35.00 TO STA. 165+35.00

DESIGN AGENCY

DESIGNER: DAB
REVIEWER: BSH 02/20/25
PROJECT ID: 105259
SHEET: P.19 TOTAL: 38

CAR-39-23.34

MODEL: CL_CONST_SR39 - Plan 11 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/23/2025 TIME: 9:38:46 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Drew.Bigler@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 105259 PRODUCT: OpenRoadsDesigner 24.00.00.205
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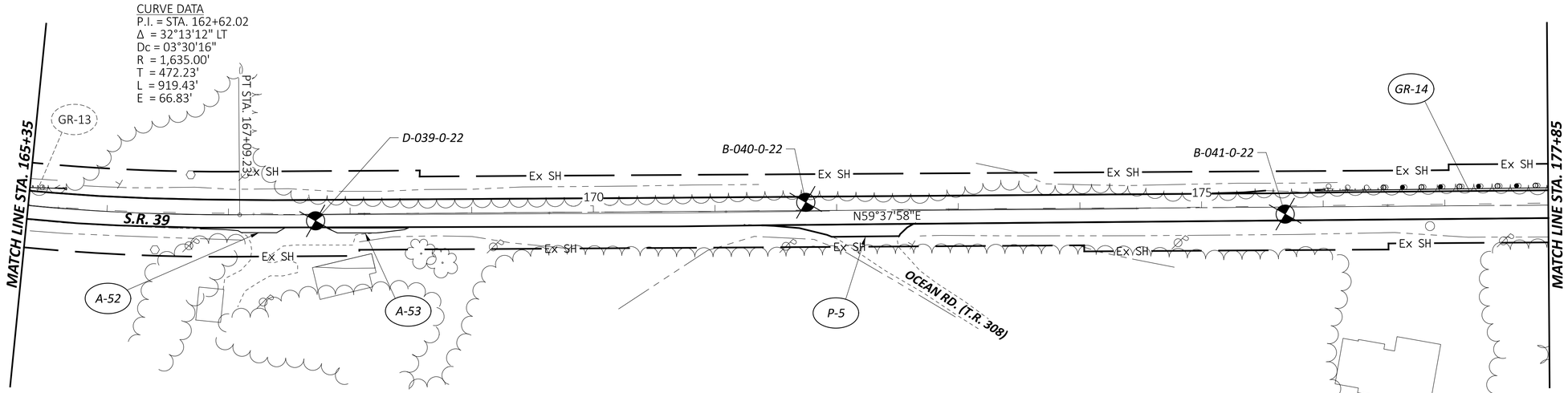

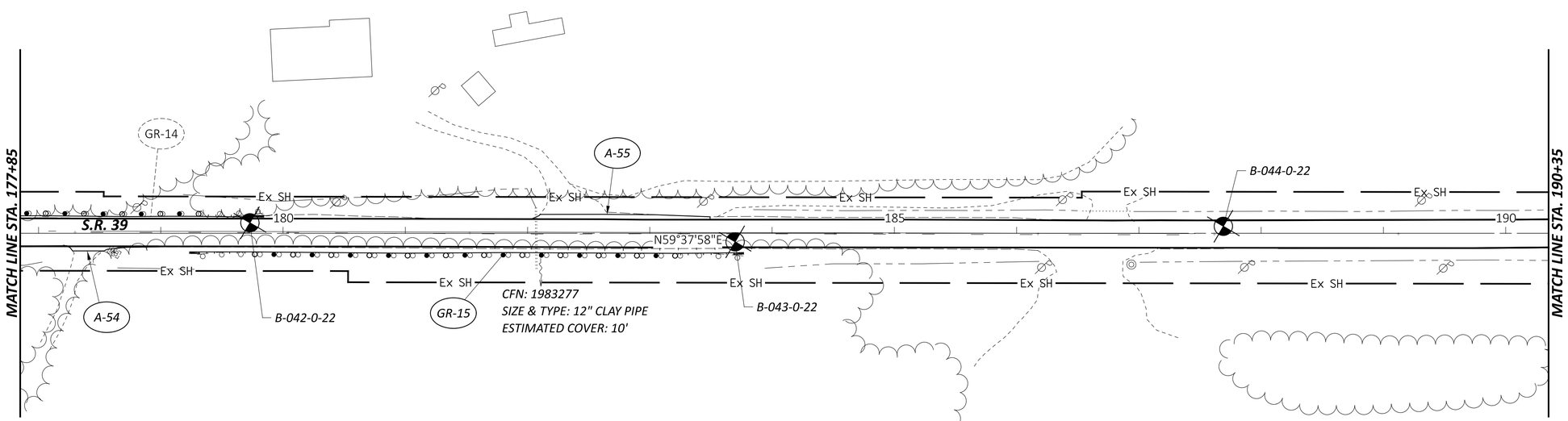

NOTES:
FOR PROFILE DATA, SEE SHEET P.25
FOR ROADWAY ESTIMATED QUANTITIES, SEE SHEET P.26
FOR PAVEMENT ESTIMATED QUANTITIES, SEE SHEETS P.27-P.28
FOR DRIVES, SIDE ROADS, AND MAILBOX PULLOFF ESTIMATED QUANTITIES, SEE SHEET P.29
FOR TRAFFIC CONTROL QUANTITIES, SEE SHEET P.32

HORIZONTAL SCALE IN FEET
0 25 50 100

S.R. 39 - PLAN SHEET
STA. 165+35.00 TO STA. 190+35.00

DESIGN AGENCY

DESIGNER
DAB

REVIEWER
BSH 02/20/25

PROJECT ID
105259

SHEET P.20 TOTAL 38

CAR-39-23.34

MODEL: CL_CONST_SR39 - Plan 13 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/23/2025 TIME: 9:38:47 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Drew.Bigler@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 105259 PRODUCT: OpenRoadsDesigner 24.00.00.205
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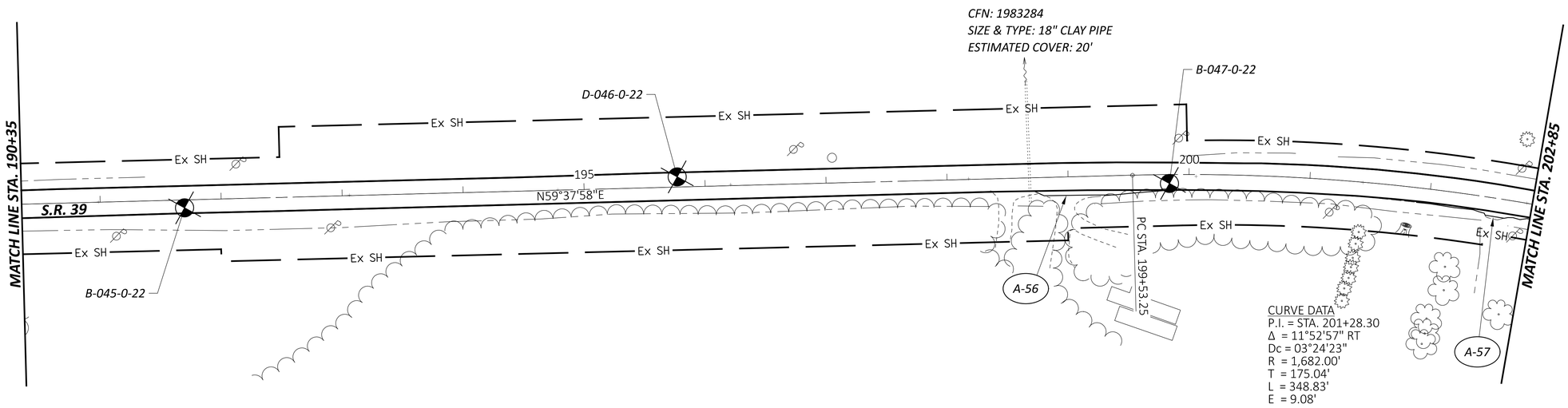

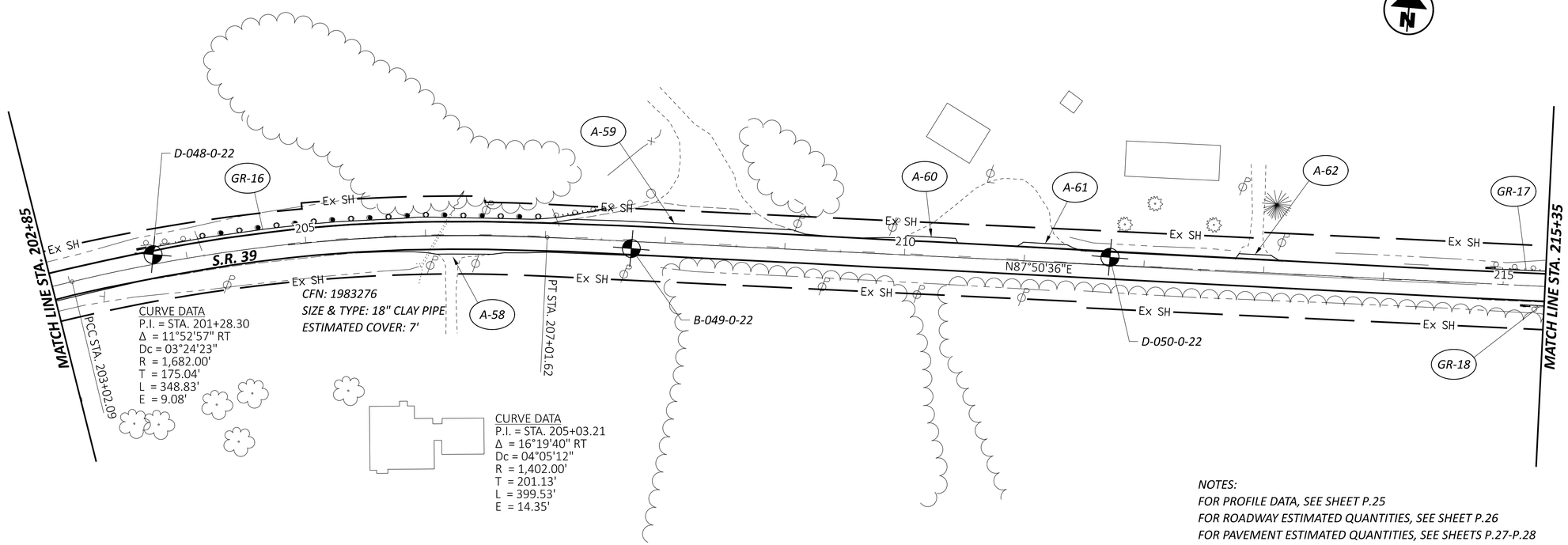

NOTES:
FOR PROFILE DATA, SEE SHEET P.25
FOR ROADWAY ESTIMATED QUANTITIES, SEE SHEET P.26
FOR PAVEMENT ESTIMATED QUANTITIES, SEE SHEETS P.27-P.28
FOR DRIVES, SIDE ROADS, AND MAILBOX PULLOFF ESTIMATED QUANTITIES, SEE SHEET P.29
FOR TRAFFIC CONTROL QUANTITIES, SEE SHEET P.32

HORIZONTAL SCALE IN FEET
0 25 50 100

S.R. 39 - PLAN SHEET
STA. 190+35.00 TO STA. 215+35.00

DESIGN AGENCY

DESIGNER: DAB
REVIEWER: BSH 02/20/25
PROJECT ID: 105259
SHEET: P.21 TOTAL: 38

CAR-39-23.34

MODEL: CL_CONST_SR39 - Plan 15 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/23/2025 TIME: 9:38:47 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Drew.Bigler@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 105259 PRODUCT: OpenRoadsDesigner 24.00.00.205
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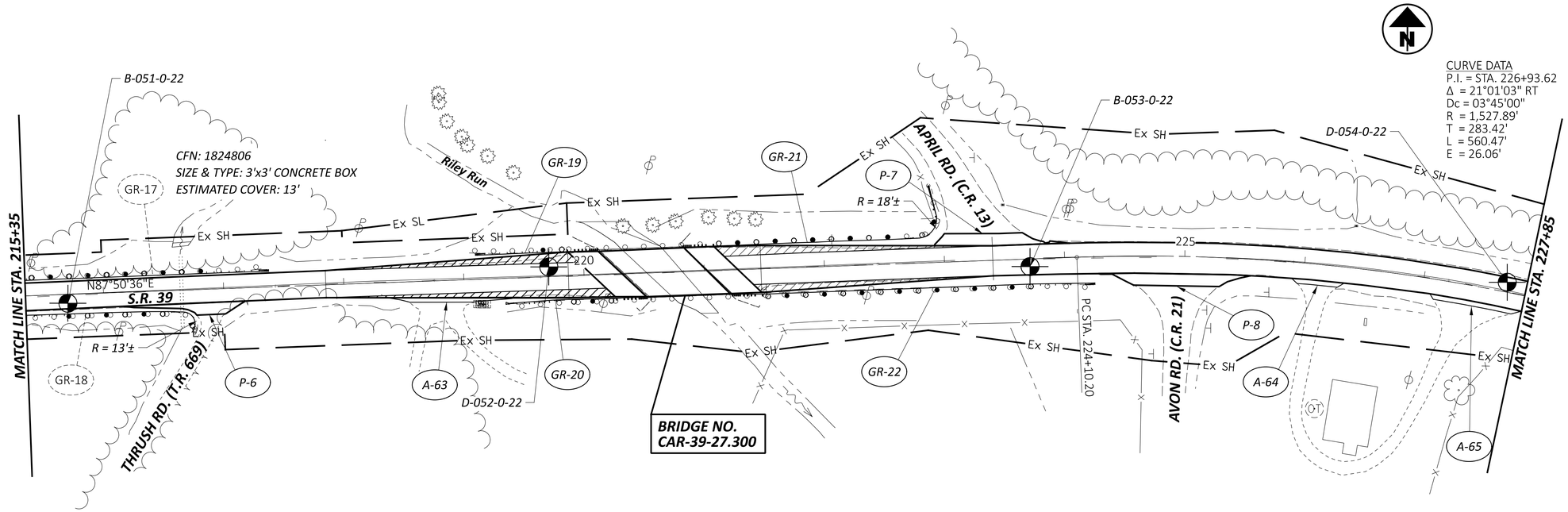
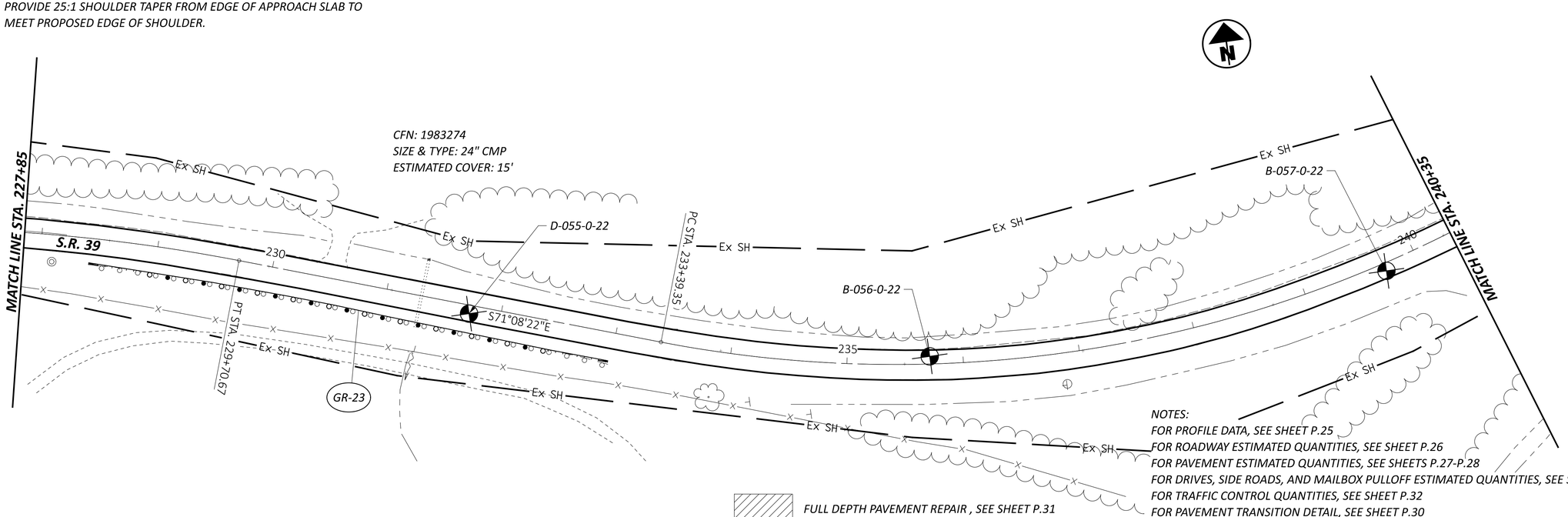


BRIDGE TREATMENT

BRIDGE NO. CAR-39-27.300, SFN: 1000640

PROVIDE PAVEMENT TRANSITION SHOWN ON P.30. PLACE 1.25" SURFACE COURSE AND 1.75" INTERMEDIATE COURSE ACROSS DECK AND APPROACH SLABS. PROVIDE A NEW PMAEJS AT JOINT BETWEEN DECK AND ABUTMENT BACKWALL.

PROVIDE 25:1 SHOULDER TAPER FROM EDGE OF APPROACH SLAB TO MEET PROPOSED EDGE OF SHOULDER.



FULL DEPTH PAVEMENT REPAIR , SEE SHEET P.31

NOTES:
FOR PROFILE DATA, SEE SHEET P.25
FOR ROADWAY ESTIMATED QUANTITIES, SEE SHEET P.26
FOR PAVEMENT ESTIMATED QUANTITIES, SEE SHEETS P.27-P.28
FOR DRIVES, SIDE ROADS, AND MAILBOX PULLOFF ESTIMATED QUANTITIES, SEE SHEET P.29
FOR TRAFFIC CONTROL QUANTITIES, SEE SHEET P.32
FOR PAVEMENT TRANSITION DETAIL, SEE SHEET P.30
FOR PMEJS DETAIL, SEE SHEET P.33

HORIZONTAL SCALE IN FEET 0 25 50 100

S.R. 39 - PLAN SHEET
STA. 215+35.00 TO STA. 240+35.00

DESIGN AGENCY

DESIGNER DAB
REVIEWER BSH 02/20/25
PROJECT ID 105259
SHEET P.22 TOTAL 38

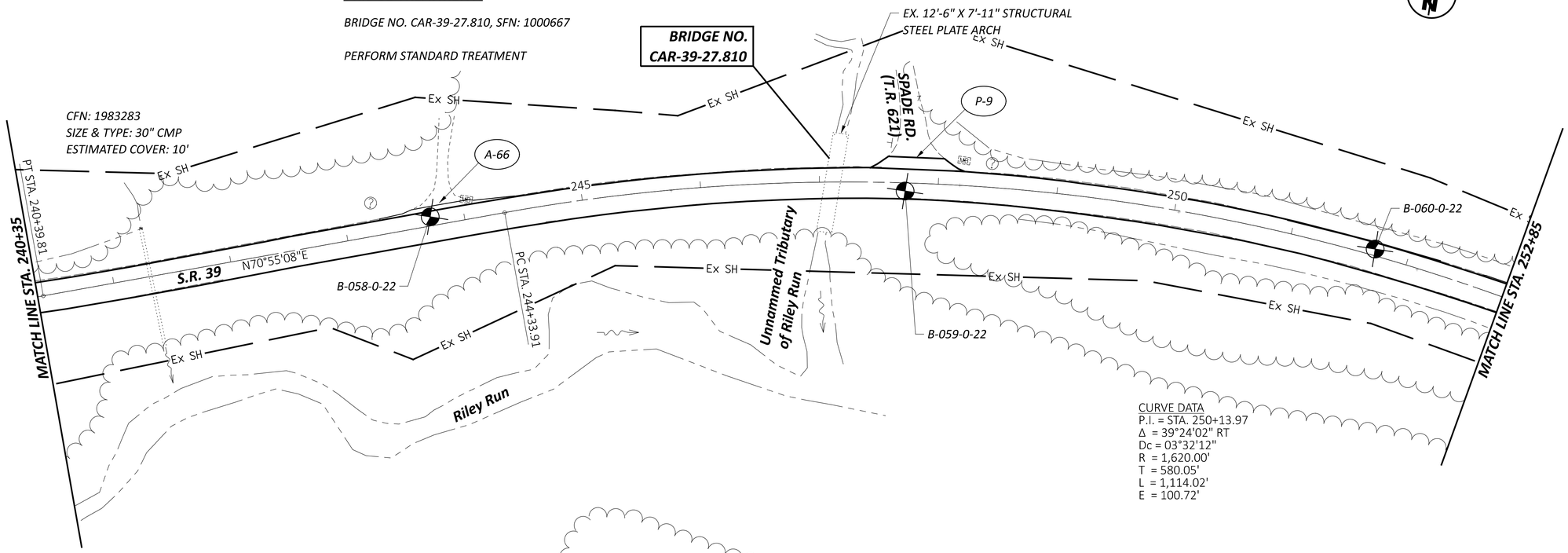
CAR-39-23.34

MODEL: CL_CONST_SR39 - Plan 17 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/23/2025 TIME: 9:38:48 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Drew.Bigler@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 105259 PRODUCT: OpenRoadsDesigner 24.00.00.205
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 11\Carroll\105259\400-Engineering\Roadway\Sheets\105259_GP000.dgn

BRIDGE TREATMENT:

BRIDGE NO. CAR-39-27.810, SFN: 1000667

PERFORM STANDARD TREATMENT

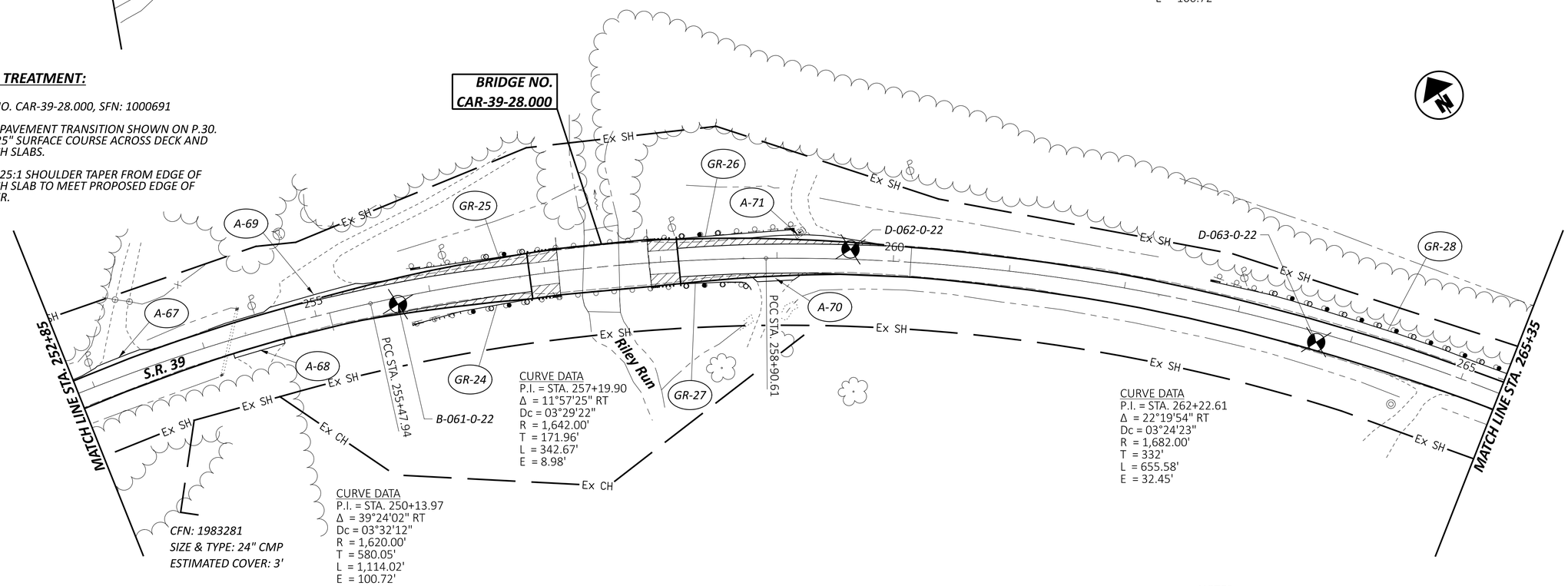


BRIDGE TREATMENT:

BRIDGE NO. CAR-39-28.000, SFN: 1000691

PROVIDE PAVEMENT TRANSITION SHOWN ON P.30.
PLACE 1.25" SURFACE COURSE ACROSS DECK AND APPROACH SLABS.

PROVIDE 25:1 SHOULDER TAPER FROM EDGE OF APPROACH SLAB TO MEET PROPOSED EDGE OF SHOULDER.



FULL DEPTH PAVEMENT REPAIR, SEE SHEET P.31

NOTES:
FOR PROFILE DATA, SEE SHEET P.25
FOR ROADWAY ESTIMATED QUANTITIES, SEE SHEET P.26
FOR PAVEMENT ESTIMATED QUANTITIES, SEE SHEETS P.27-P.28
FOR DRIVES, SIDE ROADS, AND MAILBOX PULLOFF ESTIMATED QUANTITIES, SEE SHEET P.29
FOR TRAFFIC CONTROL QUANTITIES, SEE SHEET P.32
FOR PAVEMENT TRANSITION DETAIL SEE SHEET P.30

HORIZONTAL SCALE IN FEET 0 25 50 100

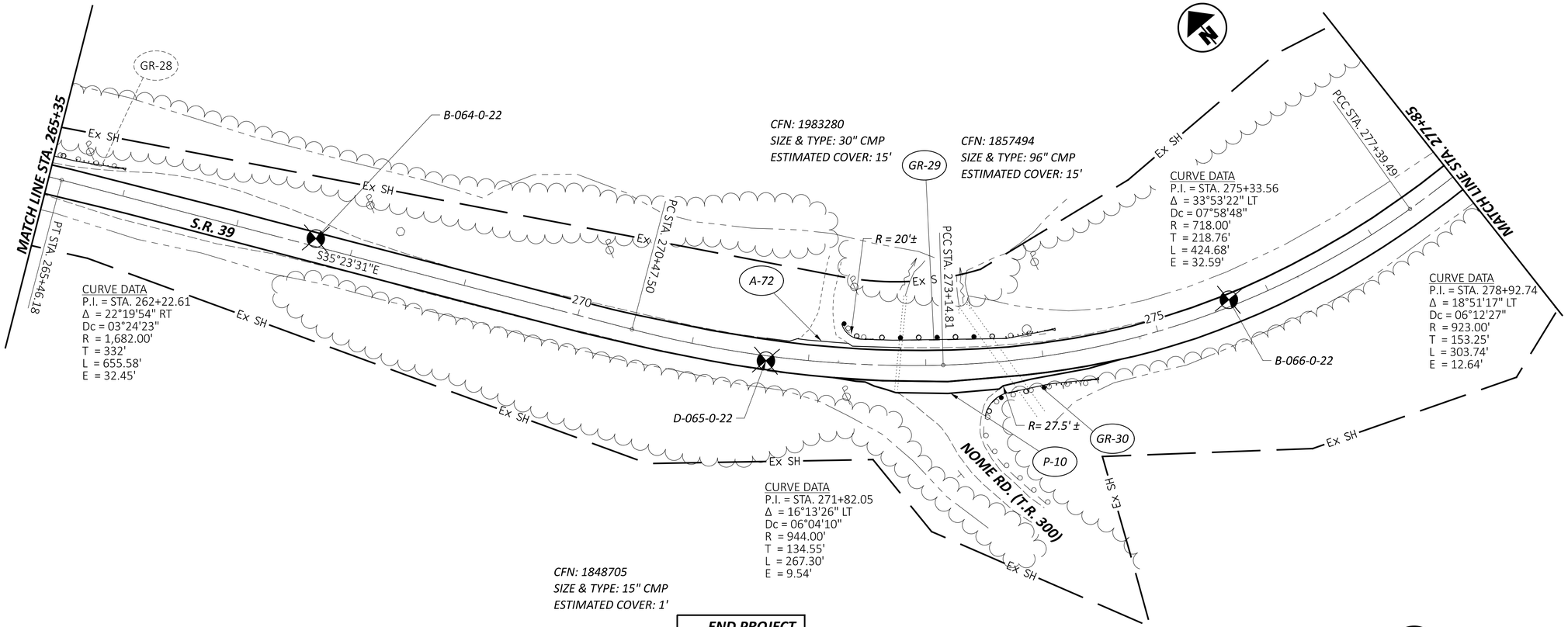
S.R. 39 - PLAN SHEET
STA. 240+35.00 TO STA. 265+35.00

DESIGN AGENCY

DESIGNER DAB
REVIEWER BSH 02/20/25
PROJECT ID 105259
SHEET P.23 TOTAL 38

CAR-39-23.34

MODEL: CL_CONST_SR39 - Plan 19 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/23/2025 TIME: 9:38:49 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Drew.Bigler@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 105259 PRODUCT: OpenRoadsDesigner 24.00.00.205
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 11\Carroll\105259\400-Engineering\Roadway\Sheets\105259_GP000.dgn



HORIZONTAL SCALE IN FEET
0 25 50 100

NOTES:
FOR PROFILE DATA, SEE SHEET P.25
FOR ROADWAY ESTIMATED QUANTITIES, SEE SHEET P.26
FOR PAVEMENT ESTIMATED QUANTITIES, SEE SHEETS P.27-P.28
FOR DRIVES, SIDE ROADS, AND MAILBOX PULLOFF ESTIMATED QUANTITIES, SEE SHEET P.29
FOR TRAFFIC CONTROL QUANTITIES, SEE SHEET P.32

S.R. 39 - PLAN SHEET
STA. 265+35.00 TO STA. 289+00.00

DESIGN AGENCY

DESIGNER: DAB
REVIEWER: BSH 02/20/25
PROJECT ID: 105259
SHEET: P.24 TOTAL: 38

CAR-39-23.34

MODEL: CL_CONST_SR39 - Plan 21 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/23/2025 TIME: 9:38:49 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Drew.Bigler@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 105259 PRODUCT: OpenRoadsDesigner 24.00.00.205
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 11\Carroll\105259\400-Engineering\Roadway\Sheets\105259_GP000.dgn

S.R. 39 STATION	CL ELEV.	S.R. 39 STATION	CL ELEV.	S.R. 39 STATION	CL ELEV.	S.R. 39 STATION	CL ELEV.	S.R. 39 STATION	CL ELEV.	S.R. 39 STATION	CL ELEV.	S.R. 39 STATION	CL ELEV.
14+00.00	1238.89	53+00.00	1253.75	92+50.00	1258.05	132+00.00	1245.40	171+50.00	1222.54	211+00.00	1056.97	248+50.00	979.65
14+50.00	1240.15	53+50.00	1254.55	93+00.00	1257.63	132+50.00	1246.05	172+00.00	1221.83	211+50.00	1053.46	249+00.00	979.28
15+00.00	1241.02	54+00.00	1256.52	93+50.00	1257.22	133+00.00	1246.70	172+50.00	1221.13	212+00.00	1049.95	249+50.00	978.91
15+50.00	1241.95	54+50.00	1256.12	94+00.00	1256.80	133+50.00	1247.35	173+00.00	1220.42	212+50.00	1046.44	250+00.00	978.54
15+69.00	1242.46	55+00.00	1253.66	94+50.00	1256.39	134+00.00	1247.64	173+50.00	1219.72	213+00.00	1042.94	250+50.00	978.17
16+00.00	1243.70	55+50.00	1257.23	95+00.00	1255.97	134+50.00	1247.69	174+00.00	1219.01	213+50.00	1039.43	251+00.00	977.80
16+50.00	1245.77	56+00.00	1257.74	95+50.00	1255.56	135+00.00	1247.85	174+50.00	1218.31	214+00.00	1035.92	251+50.00	977.43
17+00.00	1248.36	56+50.00	1258.25	96+00.00	1255.15	135+50.00	1247.48	175+00.00	1217.59	214+50.00	1032.42	252+00.00	977.06
17+50.00	1251.50	57+00.00	1258.75	96+50.00	1254.65	136+00.00	1247.03	175+50.00	1216.89	215+00.00	1028.91	252+50.00	976.69
18+00.00	1254.80	57+50.00	1259.16	97+00.00	1253.98	136+50.00	1246.21	176+00.00	1216.19	215+50.00	1025.40	253+00.00	976.32
18+50.00	1258.13	58+00.00	1259.42	97+50.00	1253.04	137+00.00	1244.86	176+50.00	1215.48	216+00.00	1021.89	253+50.00	975.95
19+00.00	1261.68	58+50.00	1259.48	98+00.00	1251.89	137+50.00	1242.99	177+00.00	1214.78	216+50.00	1018.39	254+00.00	975.02
19+50.00	1265.62	59+00.00	1259.46	98+50.00	1250.80	138+00.00	1240.77	177+50.00	1214.07	217+00.00	1014.88	254+50.00	974.62
20+00.00	1269.08	59+50.00	1259.31	99+00.00	1249.79	138+50.00	1238.34	178+00.00	1213.37	217+50.00	1011.37	254+74.94	974.48
20+50.00	1271.98	60+00.00	1259.05	99+50.00	1249.00	139+00.00	1235.42	178+50.00	1212.66	217+85.06	1008.90	255+00.00	974.42
21+00.00	1273.97	60+50.00	1258.88	100+00.00	1248.40	139+50.00	1232.25	179+00.00	1211.96	218+00.00	1007.86	255+50.00	974.23
21+50.00	1274.97	61+00.00	1258.33	100+50.00	1247.92	140+00.00	1229.07	179+50.00	1211.25	218+50.00	1004.47	256+00.00	974.02
22+00.00	1275.08	61+50.00	1257.97	101+00.00	1248.13	140+50.00	1225.89	180+00.00	1210.55	219+00.00	1001.38	256+50.00	973.83
22+50.00	1274.35	62+00.00	1257.72	101+50.00	1248.70	141+00.00	1222.71	180+50.00	1209.84	219+50.00	998.67	256+86.86	973.64
23+00.00	1272.84	62+50.00	1257.62	102+00.00	1249.82	141+50.00	1219.83	181+00.00	1208.79	220+06.77	996.04	257+11.86	973.36
23+50.00	1270.65	63+00.00	1257.67	102+50.00	1251.66	142+00.00	1217.34	181+50.00	1208.43	220+31.80	995.11	257+50.00	973.43
24+00.00	1267.74	63+50.00	1257.96	103+00.00	1253.52	142+50.00	1215.27	182+00.00	1207.73	220+50.00	994.69	257+90.38	973.52
24+50.00	1264.40	64+00.00	1258.47	103+50.00	1255.56	143+00.00	1213.82	182+50.00	1207.02	221+03.31	993.45	258+00.00	973.68
25+00.00	1261.12	64+50.00	1259.17	104+00.00	1257.82	143+50.00	1213.24	183+00.00	1206.32	221+28.30	993.10	258+15.38	973.97
25+50.00	1257.40	65+00.00	1259.96	104+50.00	1260.34	144+00.00	1213.98	183+50.00	1205.61	221+50.00	993.08	258+50.00	974.29
26+00.00	1253.68	65+50.00	1260.61	105+00.00	1263.05	144+50.00	1215.62	184+00.00	1204.91	222+00.00	993.43	259+00.00	974.63
26+50.00	1250.23	66+00.00	1261.55	105+50.00	1265.73	145+00.00	1217.50	184+50.00	1204.20	222+50.00	993.86	259+50.00	975.04
27+00.00	1247.08	66+50.00	1262.35	106+00.00	1267.91	145+50.00	1220.24	185+00.00	1203.50	223+00.00	994.87	260+15.00	975.74
27+50.00	1244.44	67+00.00	1263.18	106+50.00	1269.58	146+00.00	1223.08	185+50.00	1202.94	223+40.26	996.03	260+50.00	976.36
28+00.00	1242.39	67+50.00	1263.94	107+00.00	1270.67	146+50.00	1225.91	186+00.00	1202.16	223+50.00	996.19	261+00.00	976.95
28+50.00	1241.32	68+00.00	1264.73	107+50.00	1271.18	147+00.00	1228.73	186+50.00	1201.20	224+00.00	997.42	261+50.00	977.54
29+00.00	1241.18	68+50.00	1265.53	108+00.00	1271.05	147+50.00	1231.47	187+00.00	1200.02	224+50.00	999.14	262+00.00	978.13
29+50.00	1241.70	69+00.00	1266.32	108+50.00	1270.53	148+00.00	1233.93	187+50.00	1198.44	225+00.00	999.89	262+50.00	978.64
30+00.00	1242.26	69+50.00	1267.15	109+00.00	1269.48	148+50.00	1236.04	188+00.00	1196.50	225+50.00	1001.12	263+00.00	979.28
30+50.00	1242.82	70+00.00	1267.73	109+50.00	1267.77	149+00.00	1237.72	188+50.00	1194.28	226+00.00	1002.35	263+50.00	979.75
31+00.00	1243.38	70+50.00	1268.04	110+00.00	1265.29	149+50.00	1239.27	189+00.00	1191.73	226+50.00	1003.18	264+00.00	980.11
31+50.00	1243.96	71+00.00	1268.24	110+50.00	1262.29	150+00.00	1240.81	189+50.00	1188.90	227+00.00	1003.90	264+50.00	980.21
32+00.00	1244.03	71+50.00	1268.38	111+00.00	1258.82	150+50.00	1242.01	190+00.00	1185.76	227+50.00	104.39	265+00.00	980.02
32+50.00	1243.96	72+00.00	1268.47	111+50.00	1255.34	151+00.00	1243.08	190+50.00	1182.30	228+00.00	1004.65	265+50.00	979.64
33+00.00	1243.54	72+50.00	1268.57	112+00.00	1251.86	151+50.00	1243.98	191+00.00	1178.81	228+50.00	1004.84	266+00.00	979.10
33+50.00	1242.99	73+00.00	1268.67	112+50.00	1248.38	152+00.00	1244.76	191+50.00	1175.31	229+00.00	1004.95	266+50.00	978.51
34+00.00	1242.38	73+50.00	1268.77	113+00.00	1244.89	152+50.00	1245.10	192+00.00	1171.76	229+50.00	1004.82	267+00.00	977.80
34+50.00	1241.46	74+00.00	1268.86	113+50.00	1241.96	153+00.00	1245.43	192+50.00	168.49	230+00.00	1004.57	267+50.00	976.80
35+00.00	1240.12	74+50.00	1268.96	114+00.00	1238.77	153+50.00	1245.64	193+00.00	1165.34	230+50.00	1004.25	268+00.00	975.70
35+50.00	1238.75	75+00.00	1269.06	114+50.00	1236.28	154+00.00	1245.74	193+50.00	1162.43	231+00.00	1003.83	268+50.00	974.39
36+00.00	1237.80	75+50.00	1269.16	115+00.00	1234.01	154+50.00	1245.61	194+00.00	1159.58	231+50.00	1003.27	269+00.00	973.07
36+50.00	1237.25	76+00.00	1269.25	115+50.00	1232.34	155+00.00	1245.64	194+50.00	1156.68	232+00.00	1002.57	269+50.00	971.75
37+00.00	1237.21	76+50.00	1269.35	116+00.00	1232.38	155+50.00	1127.07	195+00.00	1153.97	232+50.00	1001.95	270+00.00	970.55
37+50.00	1237.90	77+00.00	1269.43	116+50.00	1232.67	156+00.00	1244.56	195+50.00	1151.40	233+00.00	1001.11	270+50.00	969.78
38+00.00	1239.24	77+50.00	1269.39	117+00.00	1233.45	156+50.00	1243.69	196+00.00	1148.98	233+50.00	1000.31	271+00.00	969.21
38+50.00	1241.15	78+00.00	1269.24	117+50.00	1234.98	157+00.00	1242.99	196+50.00	1146.66	234+00.00	999.46	271+50.00	968.98
39+00.00	1243.39	78+50.00	1269.07	118+00.00	1236.91	157+50.00	1242.28	197+00.00	1144.05	234+50.00	998.48	272+00.00	968.90
39+50.00	1245.63	79+00.00	1268.98	118+50.00	1238.76	158+00.00	1241.58	197+50.00	1142.04	235+00.00	997.50	272+50.00	968.88
40+00.00	1247.42	79+50.00	1268.70	119+00.00	1240.03	158+50.00	1240.87	198+00.00	1139.72	235+50.00	996.52	273+00.00	969.32
40+50.00	1248.94	80+00.00	1268.32	119+50.00	1240.64	159+00.00	1240.17	198+50.00	1137.41	236+00.00	995.54	273+50.00	969.97
41+00.00	1250.18	80+50.00	1267.93	120+00.00	1240.71	159+50.00	1239.46	199+00.00	1135.09	236+50.00	994.55	274+00.00	971.04
41+50.00	1250.87	81+00.00	1267.55	120+50.00	1240.43	160+00.00	1238.75	199+50.00	1132.84	237+00.00	993.57	274+50.00	972.45
42+00.00	1251.01	81+50.00	1267.18	121+00.00	1239.90	160+50.00	1238.05	200+00.00	1130.58	237+50.00	992.59	275+00.00	974.03
42+50.00	1250.63	82+00.00	1266.76	121+50.00	1239.37	161+00.00	1237.34	200+50.00	1127.98	238+00.00	991.61	275+50.00	975.61
43+00.00	1249.70	82+50.00	1266.35	122+00.00	1238.86	161+50.00	1236.64	201+00.00	1125.32	238+50.00	990.62	276+00.00	977.19
43+50.00	1248.58	83+00.00	1265.93	122+50.00	1238.41	162+00.00	1235.93	201+50.00	1122.53	239+00.00	989.64	276+50.00	978.69
44+00.00	1247.12	83+50.00	1265.52	123+00.00	1238.01	162+50.00	1235.23	202+00.00	1119.46	239+50.00	988.66	277+00.00	979.92
44+50.00	1245.62	84+00.00	1265.10	123+50.00	1237.76	163+00.00	1234.52	202+50.00	1116.28	240+00.00	987.62	277+50.00	980.91
45+00.00	1244.26	84+50.00	1264.48	124+00.00	1237.61	163+50.00	1233.82	203+00.00	1112.99	240+50.00	986.64	278+00.00	981.64
45+50.00	1243.59	85+00.00	1264.08	124+50.00	1237.32	164+00.00	1233.11	203+50.00	109.58	241+00.00	985.88	278+50.00	982.05
46+00.00	1243.30	85+50.00	1263.63	125+00.00	1237.29	164+50.00	1232.41	204+00.00	1106.13	241+50.00	985.17	279+00.00	982.16
46+50.00	1243.66	86+00.00	1263.35	125+50.00	1237.51	165+00.00	1231.70	204+50.00	1102.57	242+00.00	984.56	279+50.00	982.01
47+00.00	1244.18	86+50.00	1263.03	126+00.00	1237.87	165+50.00	1231.00	205+00.00	1099.05	242+50.00	984.08	280+00.00	981.54
47+50.00	1244.95	87+00.00	1262.61	126+50.00	1238.30	166+00.00	1230.29	205+50.00	1095.54	243+00.00	983.71	280+50.00	980.93
48+00.00	1245.75	87+50.00	1262.20	127+00.00	1238.92	166+50.00	1229.59	206+00.00	1092.04	243+50.00	983.34	281+00.00	979.98
48+50.00	1246.89	88+00.00	1261.78	127+50.00	1239.57	167+00.00	1228.88	206+50.00	1088.53	244+00.00	982.97	281+50.00	978.88
49+00.00	1247.59	88+50.00	1261.88	128+00.00	1240.21	167+50.00	1228.18	207+00.00	1085.02	244+50.00	982.60	282+00.00	977.67
49+50.00	1248.15	89+00.00	1261.48	128+50.00	1240.86	168+00.00	1227.47	207+50.00	1081.52	245+00.00	982.23	282+50.00	976.29
50+00.00	1248.95	89+50.00	1260.86	129+00.00	1241.51	168+50.00	1226.77	208+00.00	1078.01	245+50.00	981.86	283+00.00	974.74
50+50.00	1249.75	90+00.00	1260.12	129+50.00	1242.16	169+00.00	1226.06	208+50.00	1074.50	246+00.00	981.49	283+30.00	973.8
51+00.00	1250.55	90+50.00	1259.71	130+00.00	1242.81	169+50.00	1225.36	209+00.00	1070.99	246+50.00	981.12	283+50.00	973.21
51+50.00	1251.58	91+00.00	1259.29	130+50.00	1243.45	170+00.00	1224.65	209+50.00	1067.49	247+00.00	980.75	284+00.00	971.75
52+00.00	1252.15	91+50.00	1258.88	131+00.00	1244.10	170+50.00	1223.95	210+00.00	1063.98	247+50.00	980.38	284+50.00	969.51
52+50.00	1253.31	92+00.00	1258.46	131+50.00	1244.75	171+00.00	1223.24	210+50.00	1060.47	248+00.00	980.01	285+00.00	967.51

ALL ELEVATIONS SHOWN SHOULD MATCH EXISTING EXCEPT:

STA. 217+85.06 TO STA. 223+40.26 (BRIDGE CAR-39-27.300 TRANSITION)
(SEE SHEET P.27, P.28, AND P.30 FOR MORE INFORMATION)

STA. 254+74.94 TO STA. 260+15.00 (BRIDGE CAR-39-28.000 TRANSITION)
(SEE SHEET P.27, P.28, AND P.30 FOR MORE INFORMATION)

S.R. 39 - PROFILE DATA
STA. 14+00.00 TO STA. 285+00.00

DESIGN AGENCY

DESIGNER
DAB

REVIEWER
BSH 02/20/25

PROJECT ID
105259

SHEET P.25 TOTAL 38

CAR-39-23.34

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 10/23/2025 TIME: 9:38:58 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Drew.Bigler@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 105259 PRODUCT: OpenRoadsDesigner 24.00.00.205
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 11\Carroll\105259\400-Engineering\Roadway\Sheets\105259_GF001.dgn

GUARDRAIL ESTIMATED QUANTITIES

REF NO.	SHEET NO.	STATION BEGIN	STATION END	SIDE (DIRECTION OF TRAVEL)	202 GUARDRAIL REMOVED	203 EMBANKMENT, AS PER PLAN	CURVED RAIL ELEMENTS (FOR INFO ONLY) LENGTH	CURVED RAIL ELEMENTS (FOR INFO ONLY) RADIUS	606 GUARDRAIL, TYPE MGS	606 GUARDRAIL, TYPE MGS HALF POST SPACING WITH LONG POSTS	606 GUARDRAIL, TYPE 5	606 ANCHOR ASSSEMBLY, MGS TYPE E (MASH 2016)	606 ANCHOR ASSEMBLY, MGS TYPE T	606 ANCHOR ASSEMBLY, MGS TYPE B	606 ANCHOR ASSEMBLY, MGS TYPE A	606 BRIDGE TERMINAL ASSEMBLY, TYPE 4	606 GUARDRAIL, MISC.: RAIL PANEL REPLACEMENT	606 BARRIER REFLECTOR, TYPE 2, (BI-DIRECTIONAL) (WHITE/WHITE)	625 GROUND ROD	FUNDING
					FT	CU YD	FT	FT	FT	FT	FT	EACH	EACH	EACH	EACH	EACH	FT	EACH	EACH	
GR-1	P.16	76+16.90	78+27.55	RT.	212.5	2	12.5	12	162.5			1	1					4		
GR-2	P.16	82+28.76	84+06.76	RT.	175.0	4			87.5			1		1				3		
GR-3	P.16	84+94.07	86+38.38	RT.	162.5	2	25.0	25	87.5			1	1		1			3		
GR-4	P.17	98+43.31	102+84.74	RT.	437.5	4			337.5			2						6		
GR-5	P.17	99+28.10	102+80.57	LT.	350.0	4	12.5	10	312.5					2				6		
GR-6	P.17	110+96.35	112+74.42	LT.	187.5	4	12.5	10	137.5			1		1				4		
GR-7	P.17 - P.18	113+30.50	116+24.36	LT.	325.0	2	25.0	15	237.5			1	1		1			5		
GR-8	P.17 - P.18	114+48.54	116+64.01	RT.	212.5	4			112.5			2						4		
GR-9	P.18	120+49.44	128+02.30	LT.	750.0	4			650.0			2						9		
GR-10	P.19	141+79.76	144+57.05	LT.	275.0	4			175.0			2						4		
GR-11	P.19	142+06.84	145+35.72	RT.	325.0	4			225.0			2						5		
GR-12	P.19	154+93.91	160+00.87	LT.	500.0	4			412.5			1		1				7		
GR-13	P.19 - P.20	162+56.73	165+62.20	LT.	300.0	4			212.5			1		1				5		
GR-14	P.20	175+93.66	179+84.16	LT.	387.5	4			287.5			2						5		
GR-15	P.20	179+23.65	183+76.59	RT.	450.0	4			350.0			2						6		
GR-16	P.21	203+62.04	207+83.80	LT.	425.0	4			300.0			1		1				5		
GR-17	P.21 - P.22	214+84.90	217+37.89	LT.	250.0	4			150.0			2						4		
GR-18	P.21 - P.22	215+15.34	216+58.96	RT.	175.0	2	25.0	10	125.0			1	1					3		
GR-19	P.22	219+10.31	220+11.81	LT.	112.5	2			25.0		25.0	1				1		3	1	
GR-20	P.22	219+50.07	220+51.55	RT.	112.5	2			50.0		25.0			1		1		3	1	
BRIDGE NO. CAR-39-27.300				LT.													81.25	3		
				RT.													81.25	3		
GR-21	P.22	220+83.46	222+36.05	LT.	250.0	25	18.8		181.25		25.0		1		1	1		4		
GR-22	P.22	221+22.95	224+20.82	RT.	300.0	2			225.0		25.0	1				1		5		
GR-23	P.22	228+42.60	232+97.42	RT	450.0	4			350.0			2						6		
GR-24	P.23	255+83.24	257+11.32	RT.	125.0	2			62.5		25.0			1		1		3		
GR-25	P.23	255+87.36	257+12.35	LT.	125.0	2			50.0		25.0	1				1		3		
BRIDGE NO. CAR-39-28.000				LT.													87.5	3		
				RT.													87.5	3		
GR-26	P.23	257+89.87	259+14.62	LT.	125.0	4			50.0		25.0	1		1		1		3		
GR-27	P.23	257+90.94	259+81.25	RT.	87.5		12.5	10	50.0		25.0		1			1		3		
GR-28	P.23 - P.24	262+71.16	265+95.98	LT.	325.0	4			237.5			1		1				5		
GR-29	P.24	272+27.87	274+10.53	LT.	175.0	2	25.0	18	137.5				1	1				4		
GR-30	P.24	273+45.21	274+36.06	RT.	112.5	2	25.0	25	50.0				1	1				2		
GR-31	P.24	281+26.65	284+53.26	LT.	325.0	4			50.0	175.0		2						4		
TOTALS (CARRIED TO GENERAL SUMMARY)					8,525	119			5,881.25	175	200.0	34	8	13	3	8	337.5	148	2	01/STR

ESTIMATED QUANTITIES - GUARDRAIL

DESIGN AGENCY

DESIGNER DAB

REVIEWER BSH 02/20/25

PROJECT ID 105259

SHEET P.26 TOTAL 38

CAR-39-23.34

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 10/23/2025 TIME: 9:39:04 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Drew.Bigler@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 105259 PRODUCT: OpenRoadsDesigner 24.00.00.205
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ESTIMATED QUANTITIES - S.R. 39 MAINLINE PAVEMENT

PAVEMENT DATA

COUNTY	ROUTE	STA. FROM	STA. TO	FEET	AVERAGE WIDTH OF PAVEMENT	EXISTING PAVEMENT TYPE	PAVEMENT AREA	407 TACK COAT 0.055 GAL/SY	407 TACK COAT 0.070 GAL/SY	407 TACK COAT 0.085 GAL/SY	441 IN.	441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (446), PG70-22M	441 IN.	441 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (446)	441 IN.	441 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)	827 FULL DEPTH RECLAIMED BASE COURSE, 12 INCHES DEEP	827 PAVEMENT REMOVED, AS PER PLAN	827 CURING COAT	827 CEMENT 0.0351 TON/SY	827 CORRECTIVE MATERIAL 0.005 TON/SY	827 COVER AGGREGATE 0.0075 TON/SY	COMMENTS	FUNDING
					FT		SQ YD	GAL	GAL	GAL		CU YD		CU YD		CU YD	SQ YD	SQ YD	SQ YD	TON	TON	TON		
CAR	S.R. 39	15+69.00	217+85.06	20,216.06	22	ASPHALT	49,417	5,436			1 ¼	1,716	3 ¾	5,148			49,417	49,417	49,417	1,735	247	371		
CAR	S.R. 39	217+85.06	219+87.06	202.00	22	ASPHALT	494	82			1 ¼	17	3 ¾	51	1 ½ AVG.	21	494	494	494	17	2	4	TRANSITION TO BRIDGE (SEE SHEET P.30)	
CAR	S.R. 39	219+87.06	220+06.80	19.74	22	ASPHALT	447*	74			1 ¼	16	3 ¾	47	3	4	447	447	447	16	2	3	TRANSITION TO BRIDGE (SEE SHEET P.30)	
CAR	S.R. 39	220+06.80	220+31.80	25.00	40	ASPHALT	111	6		9	1 ¼	4	1 ¾	5									REAR APPROACH SLAB	
CAR	S.R. 39	220+31.80	221+03.30	71.50	40	CONCRETE	318	35	22		1 ¼	11	1 ¾	15									BR. NO. CAR-39-27.300	
CAR	S.R. 39	221+03.30	221+28.30	25.00	40	ASPHALT	111	6		9	1 ¼	4	1 ¾	5									FORWARD APPROACH SLAB	
CAR	S.R. 39	221+28.30	221+47.26	18.96	22	ASPHALT	447*	74			1 ¼	16	3 ¾	47	3	4	447	447	447	16	2	3	TRANSITION TO BRIDGE (SEE SHEET P.30)	
CAR	S.R. 39	221+47.26	223+40.26	193.00	22	ASPHALT	472	78			1 ¼	16	3 ¾	49	1 ½ AVG.	20	472	472	472	17	2	4	TRANSITION TO BRIDGE (SEE SHEET P.30)	
CAR	S.R. 39	223+40.26	254+74.94	3,134.68	22	ASPHALT	7,663	843			1 ¼	266	3 ¾	798			7,663	7,663	7,663	269	38	57		
CAR	S.R. 39	254+74.94	256+86.86	211.92	22	ASPHALT	518	85			1 ¼	18	3 ¾	54	⅝ AVG.	9	518	518	518	18	3	4	TRANSITION TO BRIDGE (SEE SHEET P.30)	
CAR	S.R. 39	256+86.86	257+11.86	25.00	20	ASPHALT	56	3		5	1 ¼	2	3 ¾	6									REAR APPROACH SLABS	
CAR	S.R. 39	257+11.86	257+90.38	78.52	40	CONCRETE	349	115	24		1 ¼	12											BR. NO. CAR-39-28.000	
CAR	S.R. 39	257+90.38	258+15.38	25.00	20	ASPHALT	56	3		5	1 ¼	2	3 ¾	6									FORWARD APPROACH SLABS	
CAR	S.R. 39	258+15.38	260+15.00	199.62	22	ASPHALT	488	81			1 ¼	17	3 ¾	51	⅝ AVG.	9	488	488	488	17	3	4	TRANSITION TO BRIDGE (SEE SHEET P.30)	
CAR	S.R. 39	260+15.00	283+30.00	2,315.00	22	ASPHALT	5,659	622			1 ¼	196	3 ¾	589			5,659	5,659	5,659	199	28	42		
EXTRA FOR WIDENING				10%			6,661	733			1 ¼	231	3 ¾	694			6,328	6,328	6,328	222	32	47		
TOTALS (CARRIED TO GENERAL SUMMARY)								**8350**				**2,544**		**7,565**		**67**	**71,933**	**71,933**	**71,933**	**2,526**	**359**	**539**		**01/STR**

* - CADD AREA

DESIGN AGENCY

DESIGNER
DAB

REVIEWER
BSH 02/20/25

PROJECT ID
105259

SHEET P.27 TOTAL 38

CAR-39-23.34

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 10/23/2025 TIME: 9:39:10 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Drew.Bigler@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 105259 PRODUCT: OpenRoadsDesigner 24.00.00.205
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SHOULDER DATA

COUNTY	ROUTE	STATION FROM	STATION TO	FEET	PROPOSED WIDTH (FEET) LEFT A*	LEFT B*	RIGHT A*	RIGHT B*	PAVEMENT AREA SQ YD	209 LINEAR GRADING MI	209 PREPARING SUBGRADE FOR SHOULDER PAVING, AS PER PLAN MI	407 TACK COAT 0.055 GAL/SQ YD GAL	408 PRIME COAT, AS PER PLAN 0.40 GAL/SQ YD GAL	441 IN.	441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (446), PG70-22M CU YD	441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (446), PG70-22M SAFETY EDGE CU YD	441 IN.	441 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (446) CU YD	441 IN.	441 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449) CU YD	617 IN.	617 COMPACTED AGGREGATE, AS PER PLAN CU YD	827 FULL DEPTH RECLAIMED BASE COURSE, 12 INCHES DEEP SQ YD	827 PAVEMENT REMOVED, AS PER PLAN SQ YD	827 CURING COAT SQ YD	827 CEMENT 0.0351 TON/SY TON	827 CORRECTIVE MATERIAL 0.005 TON/SY TON	827 COVER AGGREGATE 0.0075 TON/SY TON	COMMENTS	FUNDING
CAR	S.R. 39	15+69.00	217+85.06	20,216.06	1		1		4,492			494		1 ¼	156	80.86	3 ¾	468					4,492	4,492	4,492	158	23	34		
						2		2	8,985	7.66	7.66		3594								4	998								
CAR	S.R. 39	217+85.06	219+87.06	202.00	1		1		45			5		1 ¼	2	0.81	3 ¾	5	1 ½ AVG	2			45	45	45	2	1	1	TRANSITION TO BRIDGE (SEE SHEET P.30)	
						2		2	90	0.08	0.08		36								4	10								
CAR	S.R. 39	219+87.06	220+06.80	19.74			1		2			1		1 ¼	1	0.08	3 ¾	1	3	1			2	2	2	1	1	1	TRANSITION TO BRIDGE (SEE SHEET P.30)	
						2		2	9	0.02	0.02		4								4	1								
CAR	S.R. 39	220+06.80	220+31.80	25.00					0																				APPROACH SLAB. PAVEMENT QUANTITIES CARRIED ON P.27	
						2		2	11	0.02	0.02		4								4	1								
BRIDGE NO CAR-39-27.300																														
CAR	S.R. 39	221+03.30	221+28.30	25.00					0																				APPROACH SLAB. PAVEMENT QUANTITIES CARRIED ON P.27	
						2		2	11	0.02	0.02		4								4	1								
CAR	S.R. 39	221+28.30	221+47.26	18.96	1				2			1		1 ¼	1	0.08	3 ¾	1	3	1			2	2	2	1	1	1	TRANSITION TO BRIDGE (SEE SHEET P.30)	
						2		2	8	0.02	0.02		3								4	1								
CAR	S.R. 39	221+47.26	223+40.26	193.00	1		3		86			9		1 ¼	3	0.77	3 ¾	9	1 ½ AVG	4			86	86	86	4	1	1	TRANSITION TO BRIDGE (SEE SHEET P.30)	
						2		2	86	0.08	0.08		34								4	10								
CAR	S.R. 39	223+40.26	254+74.94	3,134.68	1		3		1,393			153		1 ¼	48	12.54	3 ¾	145					1,393	1,393	1,393	49	7	11		
						2		2	1,393	1.2	1.2		557								4	155								
CAR	S.R. 39	254+74.94	256+86.86	211.92	1		3		94			10		1 ¼	3	0.85	3 ¾	10	⅝ AVG	2			94	94	94	4	1	1	TRANSITION TO BRIDGE (SEE SHEET P.30)	
						2		2	94	0.1	0.1		38								4	10								
CAR	S.R. 39	256+86.86	257+11.86	25.00					0																				APPROACH SLAB. PAVEMENT QUANTITIES CARRIED ON P.27	
						2		2	11	0.02	0.02		4								4	1								
BRIDGE NO CAR-38-28.000																														
CAR	S.R. 39	257+90.38	258+15.38	25.00					0																				APPROACH SLAB. PAVEMENT QUANTITIES CARRIED ON P.27	
						2		2	11	0.02	0.02		4								4	1								
CAR	S.R. 39	258+15.38	260+15.00	199.62	1		3		89			10		1 ¼	3	0.8	3 ¾	9	⅝ AVG	2			89	89	89	4	1	1	TRANSITION TO BRIDGE (SEE SHEET P.30)	
						2		2	89	0.08	0.08		36								4	10								
CAR	S.R. 39	260+15.00	283+30.00	2,315.00	1		3		1,029			113		1 ¼	36	9.26	3 ¾	107					1,029	1,029	1,029	37	6	8		
						2		2	1,029	0.88	0.88		412								4	114								
TOTALS (CARRIED TO GENERAL SUMMARY)										**10.2**	**10.2**	**796**	**4,730**		**253**	**106**		**755**		**12**		**1,313**	**7,232**	**7,232**	**7,232**	**260**	**42**	**59**		**01/STR**

* SEE SHOULDER DETAIL ON P.04

ESTIMATED QUANTITIES - S.R. 39 SHOULDERS

DESIGN AGENCY

DESIGNER DAB

REVIEWER BSH 02/20/25

PROJECT ID 105259

SHEET P.28 TOTAL 38

CAR-39-23.34

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 10/23/2025 TIME: 9:39:16 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Drew.Bigler@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 105259 PRODUCT: OpenRoadsDesigner 24.00.00.205
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EXTRA PAVEMENT QUANTITIES (TABLE 1)

REF NO.	SHEET NO.	FEATURE	STA. BEGIN	STA. END	SIDE	PAVEMENT AREA SQ YD	202 WEARING COURSE REMOVED SQ YD	441 IN.	441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (449) (DRIVEWAYS), AS PER PLAN CU YD	FUNDING
P-1	P.16	CLOVER RD.	84+85		RT.	120	120	1 ¼	4	
P-2	P.16	NORSE RD.	85+39		LT	53	53	1 ¼	2	
P-3	P.17	NIBLICK RD.	113+14		LT	57	57	1 ¼	2	
P-4	P.18	OASIS RD.	140+15		LT	55	55	1 ¼	2	
P-5	P.20	OCEAN RD.	172+24		RT.	89	89	1 ¼	3	
P-6	P.22	THRUSH RD.	216+88		RT.	57	57	1 ¼	2	
P-7	P.22	APRIL RD.	223+32		LT	90	90	1 ¼	3	
P-8	P.22	AVON RD.	224+94		RT.	102	102	1 ¼	4	
P-9	P.23	SPADE RD.	247+81		LT	69	69	1 ¼	2	
P-10	P.24	NOME RD.	273+16		RT.	158	158	1 ¼	5	
A-1	P.14		16+07		RT.	38	38	1 ¼	1	
A-2	P.14		17+13		RT.	24	24	1 ¼	1	
A-3	P.14		17+74		LT.	25	25	1 ¼	1	
A-4	P.14		18+09		RT.	20	20	1 ¼	1	
A-5	P.14		18+71		RT.	42	42	1 ¼	1	
A-6	P.14		19+89		LT.	28	28	1 ¼	1	
A-7	P.14		21+77		LT.	19	19	1 ¼	1	
A-8	P.14		22+73		RT.	95	95	1 ¼	3	
A-9	P.14		23+97		RT.	25	25	1 ¼	1	
A-10	P.14		24+89		LT.	30	30	1 ¼	1	
A-11	P.14		26+91		RT.	43	43	1 ¼	1	
A-12	P.14		27+49		LT.	49	49	1 ¼	2	
A-13	P.14		29+16		LT.	12	12	1 ¼	1	
A-14	P.14		33+61		RT.	25	25	1 ¼	1	
A-15	P.14		34+42		RT.	42	42	1 ¼	1	
A-16	P.14		35+64		LT.	31	31	1 ¼	1	
A-17	P.15		40+67		LT.	21	21	1 ¼	1	
A-18	P.15		41+02		RT.	15	15	1 ¼	1	
A-19	P.15		41+64		LT.	30	30	1 ¼	1	
A-20	P.15		42+20		RT.	41	41	1 ¼	1	
A-21	P.15		43+10		LT.	25	25	1 ¼	1	
A-22	P.15		50+38		RT.	70	70	1 ¼	2	
A-23	P.15		56+99		LT.	26	26	1 ¼	1	
A-24	P.15		58+18		RT.	12	12	1 ¼	1	
A-25	P.15		61+56		LT.	42	42	1 ¼	1	
A-26	P.16		65+99		RT.	17	17	1 ¼	1	
A-27	P.16		66+71		RT.	16	16	1 ¼	1	
A-28	P.16		66+90		LT.	32	32	1 ¼	1	
A-29	P.16		68+08		RT.	20	20	1 ¼	1	
A-30	P.16		70+83		RT.	23	23	1 ¼	1	
A-31	P.16		72+40		LT.	18	18	1 ¼	1	
A-32	P.16		73+08		LT.	12	12	1 ¼	1	
A-33	P.16		75+02		LT.	22	22	1 ¼	1	
A-34	P.16		75+85		RT.	35	35	1 ¼	1	
A-35	P.16		77+23		LT.	17	17	1 ¼	1	
A-36	P.16		79+17		LT.	18	18	1 ¼	1	
A-37	P.16		80+38		LT.	35	35	1 ¼	1	
A-38	P.16		84+45		LT.	24	24	1 ¼	1	
A-39	P.16		87+87		RT.	21	21	1 ¼	1	
A-40	P.16		89+99		RT.	27	27	1 ¼	1	
A-41	P.17		95+17		RT.	73	73	1 ¼	3	
A-42	P.17		97+76		RT.	75	75	1 ¼	3	
A-43	P.17		98+88		LT.	37	37	1 ¼	1	
TABLE 1 SUBTOTAL (CARRIED TO TABLE 2, THIS SHEET)							**2,202**		**80**	**01/STR**

EXTRA PAVEMENT QUANTITIES (TABLE 2)

REF NO.	SHEET NO.	FEATURE	STA. BEGIN	STA. END	SIDE	PAVEMENT AREA SQ YD	202 WEARING COURSE REMOVED SQ YD	441 IN.	441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (449) (DRIVEWAYS), AS PER PLAN CU YD	FUNDING
A-44	P.17		113+98		RT.	41	41	1 ¼	1	
A-45	P.18		116+53		LT.	19	19	1 ¼	1	
A-46	P.18		130+07		LT.	13	13	1 ¼	1	
A-47	P.18		132+20		RT.	41	41	1 ¼	1	
A-48	P.18		133+38		RT.	12	12	1 ¼	1	
A-49	P.19		148+43		RT.	44	44	1 ¼	2	
A-50	P.19		159+31		RT.	27	27	1 ¼	1	
A-51	P.19		160+78		LT.	44	44	1 ¼	2	
A-52	P.20		167+27		RT.	20	20	1 ¼	1	
A-53	P.20		168+13		RT.	23	23	1 ¼	1	
A-54	P.20		178+40		RT.	19	19	1 ¼	1	
A-55	P.20		182+65		LT.	59	59	1 ¼	2	
A-56	P.21		199+06		RT.	38	38	1 ¼	1	
A-57	P.21		202+55		RT.	30	30	1 ¼	1	
A-58	P.21		206+23		RT.	52	52	1 ¼	2	
A-59	P.21		207+03	209+16	LT.	89	89	1 ¼	3	
A-60	P.21		210+22		LT.	25	25	1 ¼	1	
A-61	P.21		211+17		LT.	20	20	1 ¼	1	
A-62	P.21		212+92		LT.	14	14	1 ¼	1	
A-63	P.22		218+85		RT.	43	43	1 ¼	1	
A-64	P.22		226+12		RT.	17	17	1 ¼	1	
A-65	P.22		227+43		RT.	32	32	1 ¼	1	
A-66	P.23		243+83		LT.	36	36	1 ¼	1	
A-67	P.23		253+28		LT.	28	28	1 ¼	1	
A-68	P.23		254+45		RT.	19	19	1 ¼	1	
A-69	P.23		255+02		LT	49	49	1 ¼	2	
A-70	P.23		258+99		RT.	16	16	1 ¼	1	
A-71	P.23		259+17		LT.	35	35	1 ¼	1	
A-72	P.24		272+09		LT.	35	35	1 ¼	1	
A-73	P.24		281+74		RT.	18	18	1 ¼	1	
A-74	P.24		282+01		LT.	40	40	1 ¼	1	
SUBTOTAL (TABLE 2)							**998**		**38**	
SUBTOTAL (CARRIED FROM TABLE 1)							**2,202**		**80**	
TOTALS (CARRIED TO GENERAL SUMMARY)							**3,200**		**118**	**01/STR**

ESTIMATED QUANTITIES - DRIVE, SIDE ROADS, AND PULLOFFS

DESIGN AGENCY

DESIGNER DAB

REVIEWER BSH 02/20/25

PROJECT ID 105259

SHEET P.29 TOTAL 38

CAR-39-23.34

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 10/23/2025 TIME: 9:39:22 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Drew.Bigler@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 105259 PRODUCT: OpenRoadsDesigner 24.00.00.205
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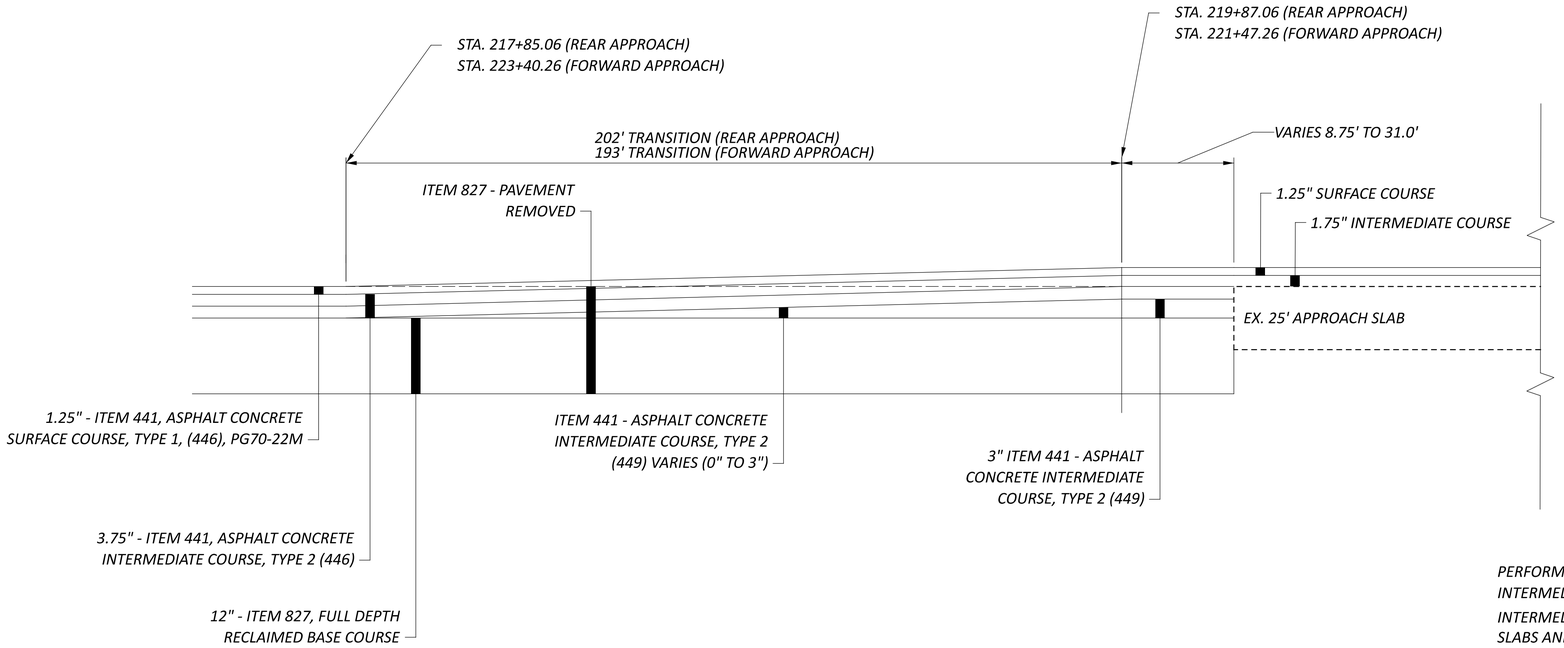
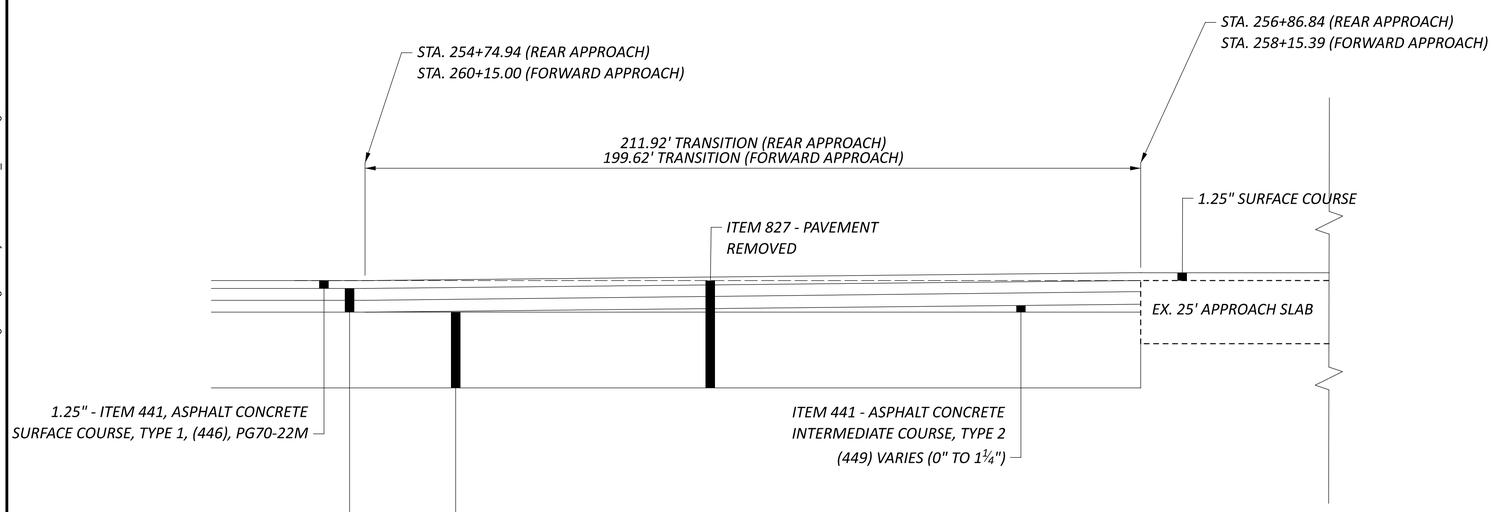


BR. NO. CAR-39-27.300 APPROACH TRANSITION DETAIL

(NOT TO SCALE)

PERFORM ITEM 827 - PAVEMENT REMOVED UP TO THE APPROACH SLAB. PLACE VARIABLE DEPTH INTERMEDIATE COURSE, TYPE 2 (449) TO PROVIDE THE PAVEMENT TRANSITION. THEN PLACE FINAL INTERMEDIATE COURSE IN TWO LIFTS. THE SECOND 1¾" COURSE SHALL BE PAVED ACROSS THE APPROACH SLABS AND BRIDGE DECK FOLLOWED BY THE FINAL SURFACE COURSE.



BR. NO. CAR-39-28.000 APPROACH TRANSITION DETAIL

(NOT TO SCALE)

PERFORM ITEM 827 - PAVEMENT REMOVED UP TO THE APPROACH SLAB. PLACE VARIABLE DEPTH INTERMEDIATE COURSE, TYPE 2 (449) TO PROVIDE THE PAVEMENT TRANSITION. THEN PLACE FINAL INTERMEDIATE COURSE IN TWO LIFTS. THEN THE SURFACE COURSE SHALL BE PAVED ACROSS THE APPROACH SLABS AND BRIDGE DECK.

MISCELLANEOUS DETAILS - PAVEMENT TRANSITIONS

DESIGN AGENCY

DESIGNER DAB

REVIEWER BSH 02/20/25

PROJECT ID 105259

SHEET P.30 TOTAL 38

CAR-39-23.34

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 10/23/2025 TIME: 9:39:27 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Drew.Bigler@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 105259 PRODUCT: OpenRoadsDesigner 24.00.00.205
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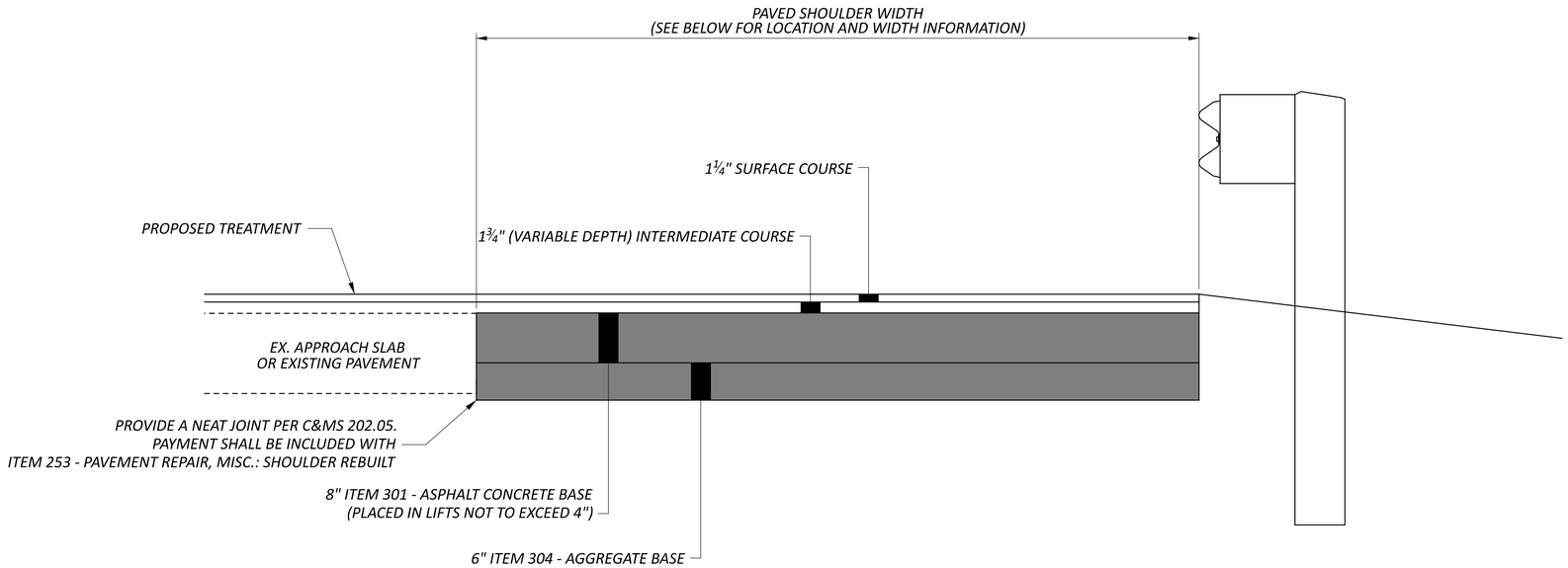

PAVEMENT REPAIR TYPICAL
SECTION B-B

ITEM 253 - PAVEMENT REPAIR, MISC.: SHOULDER REBUILT

THIS ITEM SHALL MEET THE REQUIREMENTS OF ITEM 253 - PAVEMENT REPAIR AND THE ABOVE TYPICAL SECTION.

IN ADDITION, THIS WORK SHALL ALSO INCLUDE ANY AND ALL EXCAVATION AND EMBANKMENT REQUIRED FOR PROVIDING AND MAINTAINING THE PROPOSED SHOULDER ACCORDING TO ITEM 203.

THE LOCATION AND DIMENSIONS FOR THIS REPAIR IS DETAILED ON SHEET P.33 AND P.36. THE ESTIMATED QUANTITIES ARE TO BE CONSIDERED APPROXIMATE. A FINAL FIELD REVIEW WILL BE PERFORMED BY ODOT PRIOR TO CONSTRUCTION AND FINAL LIMITS WILL BE GIVEN TO THE CONTRACTOR PRIOR TO CONSTRUCTION.

ALL PAVEMENT REPAIRS ARE TO BE COMPLETED PRIOR TO THE PAVING OPERATIONS.

THE ESTIMATED QUANTITIES FROM THIS SHEET HAVE BEEN CARRIED TO THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER. THE ENGINEER WILL DETERMINE THE SIZE AND LOCATION OF EACH PAVEMENT REPAIR. FINAL PAYMENT FOR THESE ITEMS SHALL BE FOR THE ACCEPTED QUANTITY COMPLETED IN PLACE.

ESTIMATED QUANTITIES

BR. NO. CAR-39-27.300

NORTHWEST:
0.0' AT STA. 217+85 TO 8.8' AT STA. 219+87
202' x 4.4' AVG. WIDTH / 9 = 98.8 SQ. YD.

SOUTHWEST:
0.0' AT STA. 217+85 TO 7.4' AT STA. 220+25
240' x 3.7' AVG. WIDTH / 9 = 98.7 SQ. YD.

NORTHEAST:
8.4' AT STA. 221+08 TO 0.0' AT STA. 223+40
232' x X.X' AVG. WIDTH / 9 = 108.3 SQ. YD.

SOUTHEAST:
6.8' AT STA. 221+47 TO 0.0' AT STA 223+40
193' x 3.4' AVG. WIDTH / 9 = 72.9 SQ. YD.

SUBTOTAL (BR. NO. CAR-39-27.300) = 379 SQ. YD.

BR. NO. CAR-39-28.000

NORTHWEST:
0.0' AT STA. 254+75 TO 8.3' AT STA. 256+88
213' x 4.2' AVG. WIDTH / 9 = 99.4 SQ. YD.

SOUTHWEST:
0.0' AT STA. 254+75 TO 6.2' AT STA. 256+88
213' x 3.1' AVG. WIDTH / 9 = 73.4 SQ. YD.

NORTHEAST:
7.8' AT STA. 258+15 TO 0.0' AT STA. 260+15
200' x 3.9' AVG. WIDTH / 9 = 86.7 SQ. YD.

SOUTHEAST:
5.7' AT STA. 258+15 TO 0.0' AT STA 260+15
200' x 2.9' AVG. WIDTH / 9 = 64.4 SQ. YD.

SUBTOTAL (BR. NO. CAR-39-28.000) = 324 SQ. YD.

TOTAL = 703 SQ. YD.

(TOTAL CARRIED TO THE GENERAL SUMMARY)

PAVEMENT REPAIR DETAIL

DESIGN AGENCY

DESIGNER
DAB

REVIEWER
MVC 07/02/25

PROJECT ID
105259

SHEET P.31 TOTAL 38

CAR-39-23.34

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 1/23/2026 TIME: 9:29:52 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Brock.Hovanick@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 105259 PRODUCT: OpenRoadsDesigner 24.00.00.205
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STRUCTURE IDENTIFICATION AND OBJECT MARKER SIGNS

A STRUCTURE IDENTIFICATION SIGN (I-H25b) SHALL BE PLACED AT THE APPROACH TO EACH STRUCTURE, ON THE RIGHT SHOULDER, FACING TRAFFIC. ALL I-H25b SIGNS SHALL HAVE A NON-REFLECTIVE WHITE SHEETING BACKGROUND.

MOUNT ALL SIGNS ON NEW NO. 2 POSTS AND INSTALL PER SCD TC-41.20.

POST LENGTHS:

BR. NO. CAR-39-27.300: 9 FT
BR. NO. CAR-39-27.810: 9 FT
BR. NO. CAR-39-28.000: 9 FT

CAR 39 2730 1000640	CAR 39 2781 1000667	CAR 39 2800 1000691
I-H25b (12" x 12")	I-H25b (12" x 12")	I-H25b (12" x 12")

APPROXIMATE LOCATIONS FOR THE SIGNS:

BR. NO. CAR-39-27.300:
STRUCTURE IDENTIFICATION SIGNS: 10' BEFORE THE EXISTING ABUTMENTS

BR. NO. CAR-39-27.810:
STRUCTURE IDENTIFICATION SIGNS: 10' BEFORE THE EXISTING HEADWALLS

BR. NO. HOL-515-03.970:
STRUCTURE IDENTIFICATION SIGNS: 10' BEFORE THE EXISTING ABUTMENTS

THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 630, GROUND MOUNTED SUPPORT, NO. 2 POST - - 54 FT
9 FT. x 6 SIGN LOCATIONS

ITEM 630, SIGN, FLAT SHEET - - 6 SQ FT
1 SQ. FT. x 6 SIGNS = 6 SQ. FT

TRAFFIC CONTROL SUBSUMMARY

PART	COUNTY	ROUTE	STA. FROM	STA. TO	621 RPM SPACING	621 RPM YELLOW/ YELLOW	621 RAISED PAVEMENT MARKER REMOVED	646 EDGE LINE, 6" (WHITE)	646 CENTER LINE	FUNDING
					FT	EACH	EACH	MILE	MILE	
1	CAR	39	15+69.00	283+30.00	40	670	670	10.14	5.07	
TOTALS (CARRIED TO GENERAL SUMMARY)						670	670	10.14	5.07	01/STR

TRAFFIC CONTROL NOTES AND ESTIMATED QUANTITIES

DESIGN AGENCY

DESIGNER DAB
REVIEWER BSH 02/20/25
PROJECT ID 105259
SHEET P.32 TOTAL 38

CAR-39-23.34

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 10/23/2025 TIME: 9:39:39 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Drew.Bigler@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 105259 PRODUCT: OpenRoadsDesigner 24.00.00.205
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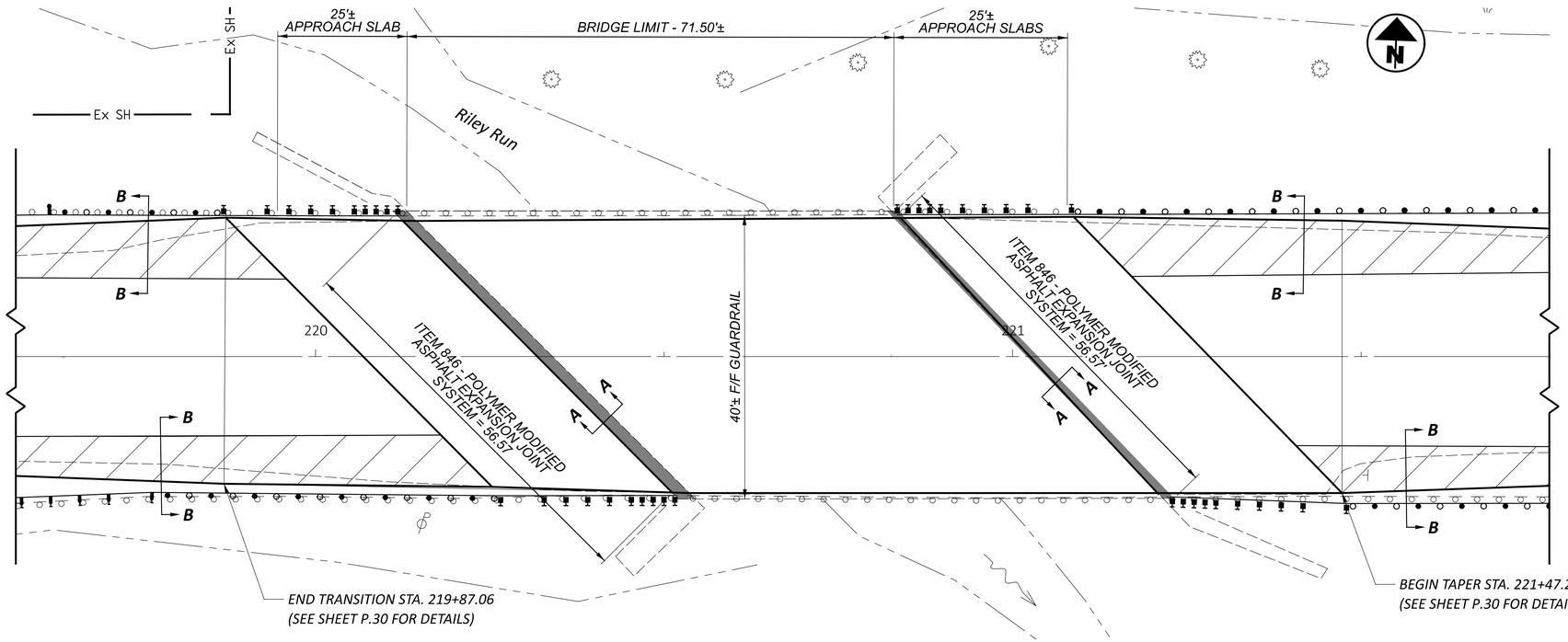


LEGEND:

ITEM 253, PAVEMENT REPAIR, MISC.: SHOULDER REBUILT.
SEE SHEET P.31 FOR DETAILS

NOTES:

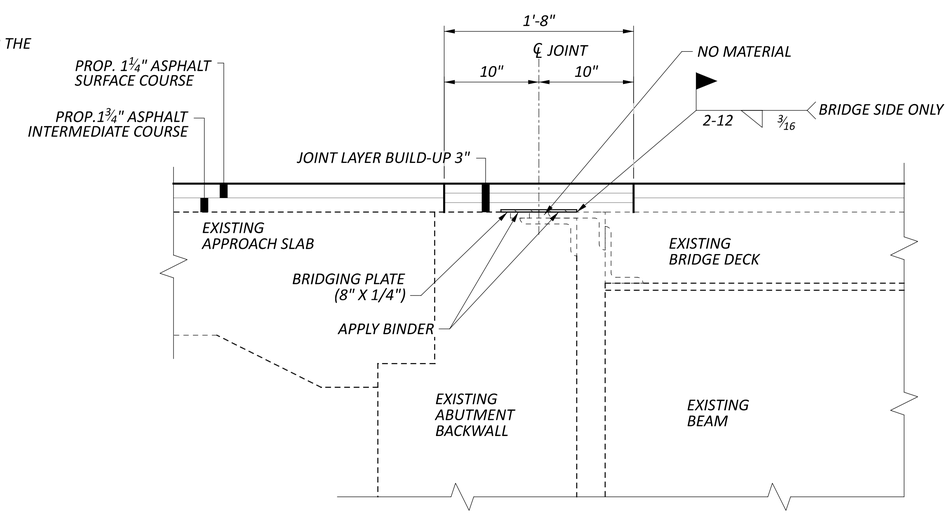
1. FOR SECTION B-B, SEE SHEET P.31.

ITEM 846 - POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM

THE DEPARTMENT WILL MEASURE THE JOINT BY THE NUMBER OF CUBIC FEET AND WILL PAY FOR THE ACCEPTED QUANTITIES AT THE CONTRACT PRICE AS: ITEM 846, POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM, CUBIC FEET.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY

ITEM 846 - POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM **47 C.F.**
LENGTH ACROSS JOINTS: 56.57' + 56.57' = 113.14'
113.14' X (20" / 12) X (3" / 12) = 47.14 C.F.



POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM DETAIL SECTION A-A

EXISTING STRUCTURE

TYPE: SINGLE SPAN COMPOSITE STEEL BEAM WITH REINFORCED CONCRETE DECK AND REINFORCED CONCRETE ABUTMENTS

SPANS: 70'0" ± C/C BEARINGS

ROADWAY: 40'-0"± F/F GUARDRAIL

LOADING: HS-20-44 CASE II AND ALTERNATE MILITARY LOADING

SKEW: 45° R.F. ±

WEARING SURFACE: 1" MONOLITHIC CONCRETE

APPROACH SLABS: 25'-0" ± (AS-1-81)

ALIGNMENT: TANGENT

CROWN: 3/16" ± FT.

STRUCTURE FILE NUMBER: 1000640

DATE BUILT: 1988

DISPOSITION: PROVIDE 3" OVERLAY AND PMEJS

DECK AREA: 3040± SF

COORDINATES: LATITUDE: 40°37'32.89" N
LONGITUDE: 80°52'54.57" W

PROPOSED WORK

1. OVERLAY APPROACH SLABS AND BRIDGE DECK WITH 1.75" INTERMEDIATE COURSE AND 1.25" SURFACE COURSE
2. INSTALL ITEM 846 - POLYMER MODIFIED ASPALT EXPANSION JOINT SYSTEM AS PER SUPPLMENTAL SPECIFICATION 846

SITE PLAN
BRIDGE NO. CAR-39-27.300
OVER RILEY RUN

SFN	1000640
DESIGN AGENCY	
DESIGNER	DAB
CHECKER	BSH
REVIEWER	MVC 07/02/25
PROJECT ID	105259
SUBSET	1
TOTAL	3
SHEET	P.33
TOTAL	38

CAR-39-23.34

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STANDARD DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS

AND TO THE FOLLOWING SUPPLEMENTAL SPECIFICATIONS

800-2023	DATED:	07/18/25
846	DATED:	04/17/15

DESIGN SPECIFICATIONS

THIS STRUCTURE CONFORMS TO " 10TH EDITION STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 2024, AND THE ODOT BRIDGE DESIGN MANUAL, 2024.

EXISTING STRUCTURE VERIFICATION

DETAILS AND DIMENSIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING STRUCTURE HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING STRUCTURE AND FROM FIELD OBSERVATIONS AND MEASUREMENTS. CONSEQUENTLY, THEY ARE INDICATIVE OF THE EXISTING STRUCTURE AND THE PROPOSED WORK BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. THE CONTRACTOR IS REFERRED TO C&MS, SECTIONS 102.05, AND 105.02.

BASE CONTRACT BID PRICES UPON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PREBID EXAMINATION OF THE EXISTING STRUCTURE. HOWEVER, THE DEPARTMENT WILL PAY FOR ALL PROJECT WORK BASED UPON ACTUAL DETAILS AND DIMENSIONS THAT HAVE BEEN VERIFIED IN THE FIELD.

ABBREVIATIONS:

THE FOLLOWING STANDARD ABBREVIATIONS ARE USED THROUGHOUT THE PLANS:

ABUT. - ABUTMENT
BRG. - BEARING
c/c - CENTER TO CENTER
C.J. - CONSTRUCTION JOINT
CONST. - CONSTRUCTION
DIA. - DIAMETER
EL. OR ELEV. - ELEVATION
EX. - EXISTING
EXP. - EXPANSION
F.A. - FORWARD ABUTMENT
FIX. - FIXED
FWD. - FORWARD
HMWM - HIGH MOLECULAR WEIGHT METHACRYLATE
L.F. - LEFT FORWARD
o/o - OUT TO OUT
R.A. - REAR ABUTMENT
STA. - STATION
STD. DWG. OR SCD - STANDARD CONSTRUCTION DRAWING
t/t - TOE TO TOE
TYP. - TYPICAL

STRUCTURE NOTES
BRIDGE NO. CAR-39-27.300
OVER RILEY RUN

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 10/23/2025 TIME: 9:39:54 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Drew.Bigler@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 105259 PRODUCT: OpenRoadsDesigner 24.00.00.205
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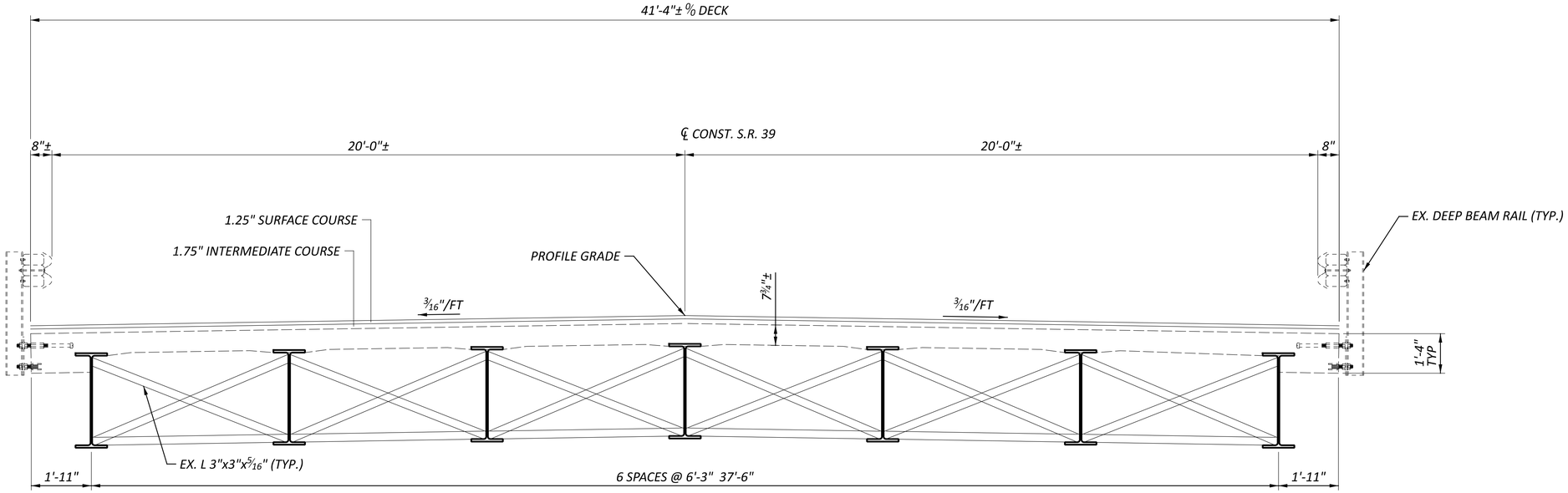

TRANSVERSE SECTION

TRANSVERSE SECTION
BRIDGE NO. CAR-39-27.300
OVER RILEY RUN

SFN
1000640

DESIGN AGENCY

DESIGNER	CHECKER
DAB	BSH

REVIEWER
MVC 07/02/25

PROJECT ID
105259

SUBSET	TOTAL
3	3

SHEET	TOTAL
P.35	38

CAR-39-23.34

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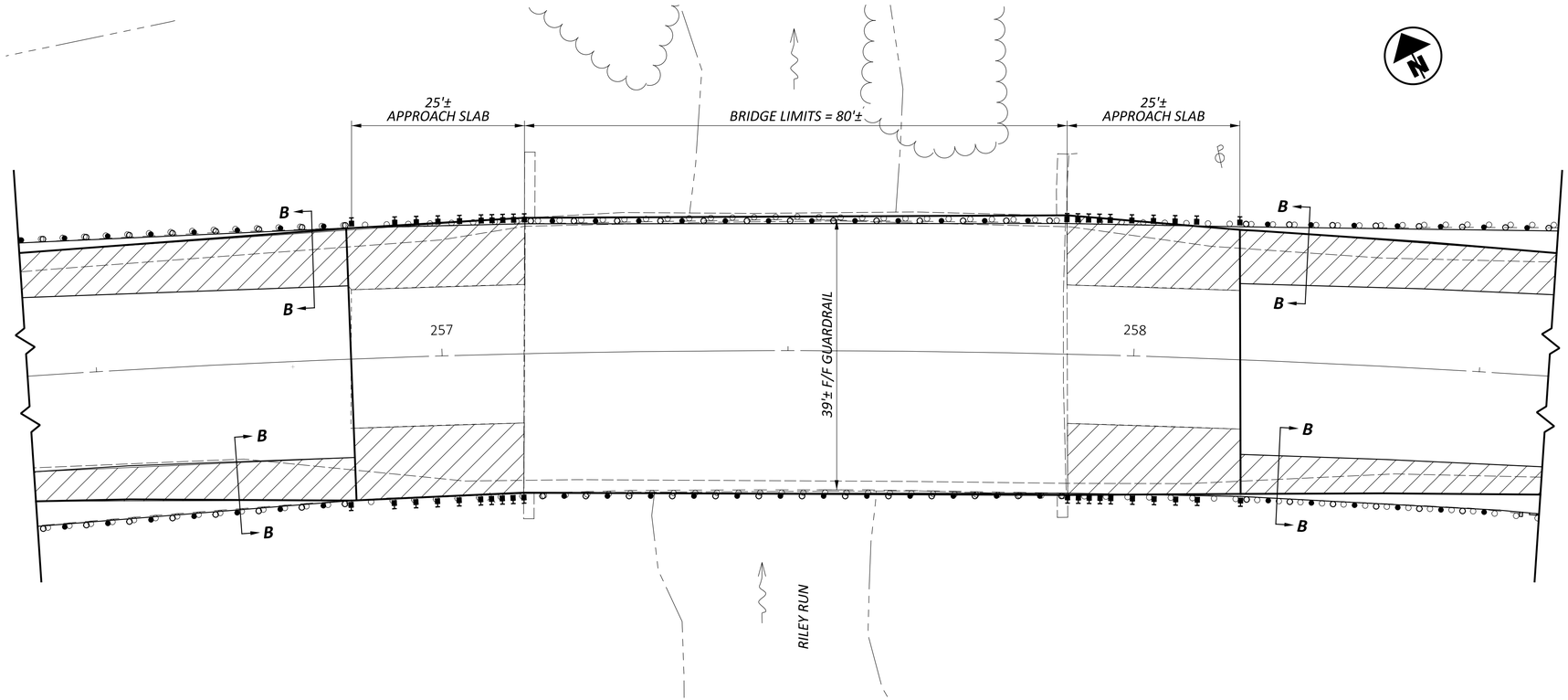

LEGEND:

ITEM 253, PAVEMENT REPAIR, MISC.: SHOULDER REBUILT.
SEE SHEET P.31 FOR DETAILS

NOTES:

1. FOR SECTION B-B, SEE SHEET P.31.

EXISTING STRUCTURE

TYPE: CONTINUOUS REINFORCED CONCRETE SLAB WITH CAPPED PILE ABUTMENTS AND CONCRETE PIERS.

SPANS: 24-30-24 C/C BEARINGS
ROADWAY: 40'-0" F/F GUARDRAIL
LOADING: HL93
SKEW: 0°
WEARING SURFACE: 1.2" CONCRETE OVERLAY
APPROACH SLABS: 25'-0"± (AS-1-54)
ALIGNMENT: 3°-30'
CROWN: SUPERELEVATED 0.058 FT/FT
STRUCTURE FILE NUMBER: 100691
DATE BUILT: 1959
DISPOSITION: PROPOSED OVERLAY AND PMEJS

PROPOSED STRUCTURE

1. OVERLAY APPROACH SLABS AND BRIDGE DECK WITH PROPOSED 1¼" SURFACE TREATMENT.
2. RAIL PANEL REPLACEMENT

SITE PLAN
BRIDGE NO. CAR-39-28.000
OVER RILEY RUN

SFN	1000691
DESIGN AGENCY	
DESIGNER	DAB
CHECKER	BSH
REVIEWER	MVC 07/02/25
PROJECT ID	105259
SUBSET	1
TOTAL	3
SHEET	P.36
TOTAL	38

CAR-39-23.34

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STANDARD DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS

REFER TO THE FOLLOWING SUPPLEMENTAL SPECIFICATIONS
800-2023 DATED: 07/18/25

DESIGN SPECIFICATIONS

THIS STRUCTURE CONFORMS TO " 10TH EDITION STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 2024, AND THE ODOT BRIDGE DESIGN MANUAL, 2024.

DESIGN LOADING:

CF 130(51)

ABBREVIATIONS:

THE FOLLOWING STANDARD ABBREVIATIONS ARE USED THROUGHOUT THE PLANS:

ABUT. - ABUTMENT
BRG. - BEARING
c/c - CENTER TO CENTER
C.J. - CONSTRUCTION JOINT
CONST. - CONSTRUCTION
DIA. - DIAMETER
EL. OR ELEV. - ELEVATION
EX. - EXISTING
EXP. - EXPANSION
F.A. - FORWARD ABUTMENT
FIX. - FIXED
FWD. - FORWARD
HMWM - HIGH MOLECULAR WEIGHT METHACRYLATE
L.F. - LEFT FORWARD
o/o - OUT TO OUT
R.A. - REAR ABUTMENT
STA. - STATION
STD. DWG. OR SCD - STANDARD CONSTRUCTION DRAWING
t/t - TOE TO TOE
TYP. - TYPICAL

STRUCTURE NOTES
BRIDGE NO. CAR-39-28.000
OVER RILEY RUN

MODEL: NOTES BR 28.000 PAPERSIZE: 34x22 (in.) DATE: 10/23/2025 TIME: 9:40:14 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: Drew.Bigler@dot.ohio.gov WORKSPACE: OHDOTCEv02 WORKSET: 105259 PRODUCT: OpenRoadsDesigner 24.00.00.205
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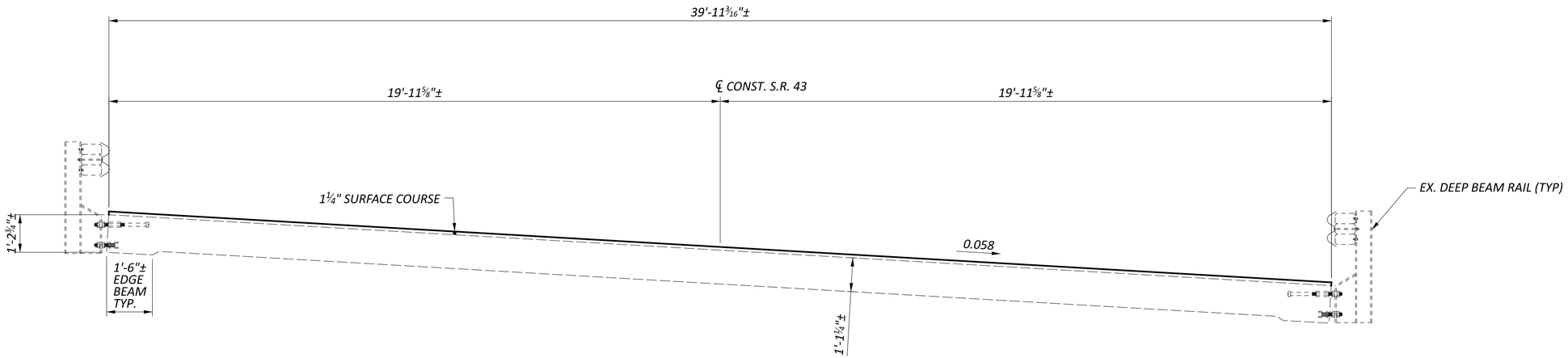

TRANSVERSE SECTION
BRIDGE NO. CAR-39-28.000
OVER RILEY RUN

CAR-39-23.34

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SFN	1000691
DESIGN AGENCY	
DESIGNER	DAB
CHECKER	BSH
REVIEWER	MVC 07/02/25
PROJECT ID	105259
SUBSET	3
TOTAL	3
SHEET	P.38
TOTAL	38