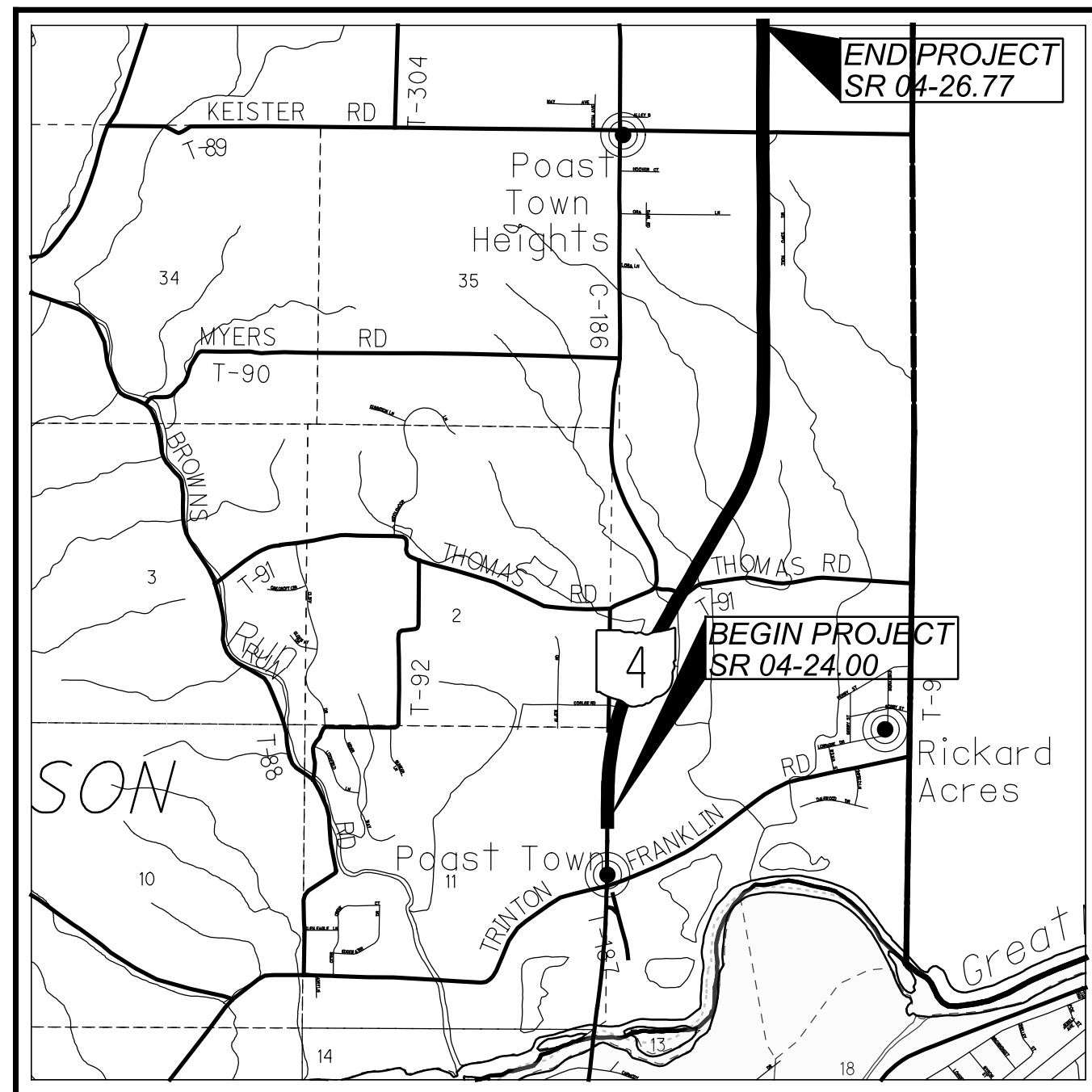


# STATE OF OHIO DEPARTMENT OF TRANSPORTATION

## BUT-SR 4-24.00

MADISON TOWNSHIP  
BUTLER COUNTY



**LOCATION MAP**

LATITUDE: 39°32'24" LONGITUDE: -84°23'02"



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

DESIGN DESIGNATION	23.0-24.44	24.44-24.49	24.49-26.77
CURRENT ADT (2024)	11,500	7,000	7,300
DESIGN YEAR ADT (2036)	12,000	7,600	8,800
DESIGN HOURLY VOLUME (2036)	1,400	900	1,000
DIRECTIONAL DISTRIBUTION	61.5%	60.2%	58.6%
TRUCKS (24 HOUR B&C)	4.0%	3.0%	3.0%
DESIGN SPEED	55	55	55
LEGAL SPEED	55	55	55
DESIGN FUNCTIONAL CLASSIFICATION:			
03 URBAN PRINCIPAL ARTERIAL OTHER			03 RURAL PRINCIPAL ARTERIAL OTHER
NHS PROJECT	YES	YES	YES

**DESIGN EXCEPTIONS**

NONE

**ADA DESIGN WAIVERS**

NONE

**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 8 ENGINEERING DEPARTMENT  
505 S S.R. 741  
LEBANON, OH 45036

**INDEX OF SHEETS:**

TITLE SHEET	1
PROJECT LOCATION	2
TYPICAL SECTIONS	3
GENERAL NOTES	4
MAINTENANCE OF TRAFFIC	5
GENERAL SUMMARY	6
PAVEMENT QUANTITIES	7
PAVEMENT MARKINGS	8
DRIVEWAY SUBSUMMARY	9
GUARDRAIL QUANTITIES	10

STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
BP-3.1	1/21/22	MT-97.10	4/19/19	800-2023	1/20/23
BP-4.1	7/19/13	MT-97.12	1/20/17	832	7/15/22
		MT-99.20	4/19/19	872	1/21/22
		MT-101.90	7/17/20	874	4/17/20
		MT-105.10	1/17/20	875	1/18/19
MGS-1.1	7/16/21	TC-61.30	7/19/19		
MGS-2.1	1/19/18	TC-64.10	1/20/23		
MGS-4.2	7/19/13	TC-65.10	1/17/14		
MGS-4.3	1/18/13	TC-65.11	7/15/22		
MGS-5.3	7/15/16	TC-71.10	7/15/22		

**FEDERAL PROJECT NUMBER**

E191(414)

**RAILROAD INVOLVEMENT**

NONE

**PROJECT DESCRIPTION**

RESURFACING ON A PORTION OF SR4 IN BUTLER COUNTY FROM NORTH OF MIDDLETOWN, CATALINA CT., TO THE SOUTHERN MONTGOMERY COUNTY LINE.

**EARTH DISTURBED AREAS**

PROJECT EARTH DISTURBED AREA:	0.86 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	0.0 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	0.86 ACRES
MAINTENANCE PROJECT NOI NOT REQUIRED*	

**2023 SPECIFICATIONS**

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS, CHANGES LISTED IN THE PROPOSAL, AND THE SUPPLEMENTAL SPECIFICATION 800 VERSION INDICATED ON THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

DISTRICT DEPUTY DIRECTOR

*Terry K Campbell*

DIRECTOR, DEPARTMENT OF TRANSPORTATION

*Justin M. ...*

ENGINEER'S SEAL



TITLE SHEET

DESIGN AGENCY



DESIGNER  
GAT

REVIEWER  
KSD 02-12-23

PROJECT ID  
107580

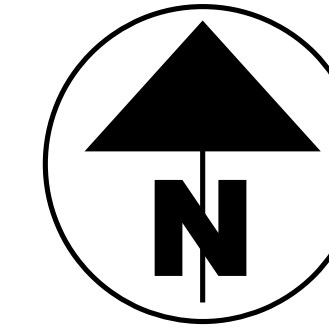
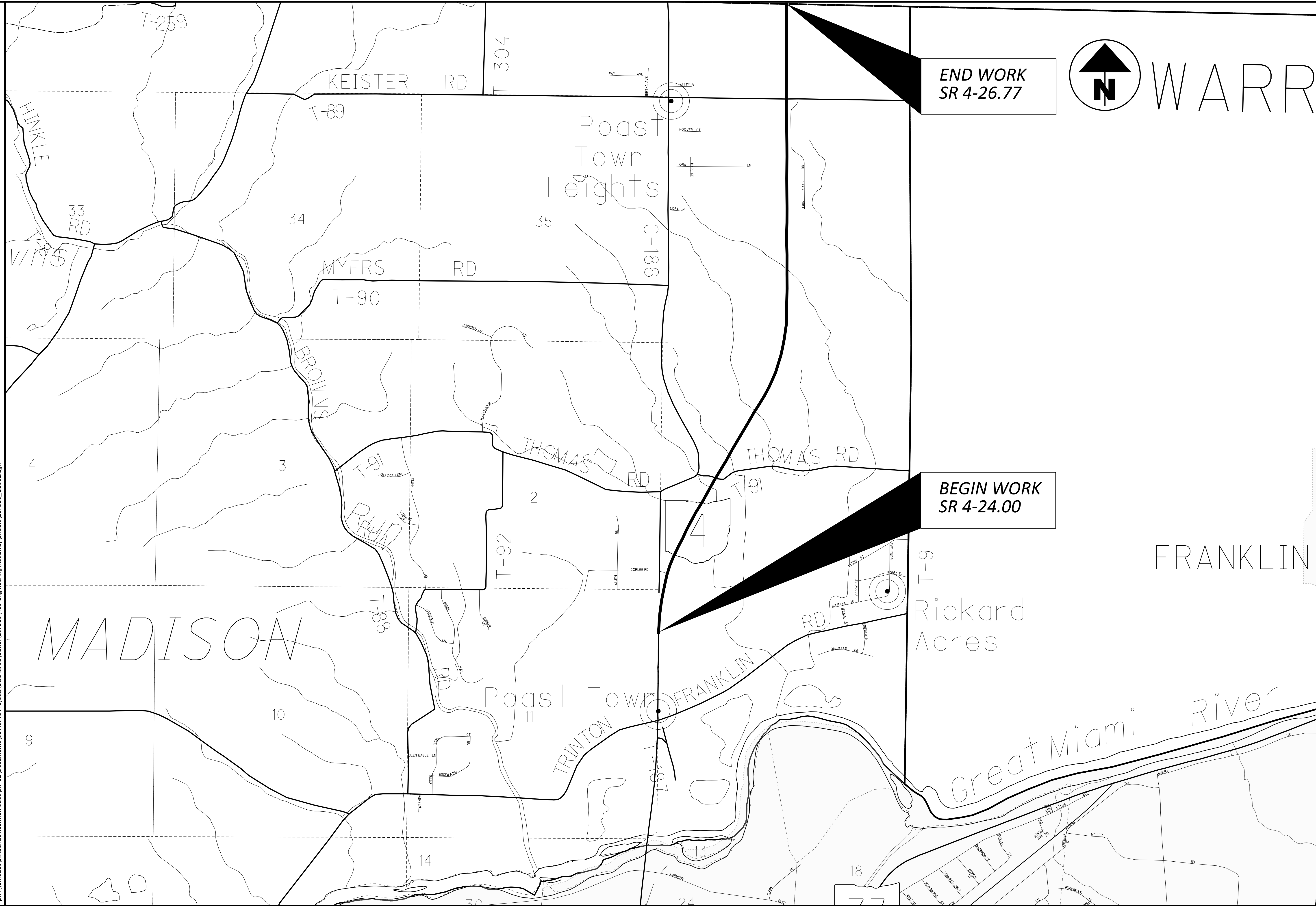
SHEET	TOTAL
1	10

BUT-SR4-24.00

MODEL: Sheet PAPER: 34x22 (in.) DATE: 2/21/2023 TIME: 3:31:19 PM USER: gkout pvc:\ohiodot-pw-bentley.com\ohiodot-pw-02\Documents\01 Active Projects\District 08\Butler\107580\400-Engineering\Roadway\Sheets\107580\_GTO01.dgn

BUT-04-24.00

MODEL SHEET PAPER SIZE: 34x22 (in.) DATE: 2/21/2023 TIME: 3:31:28 PM USER: grout  
pw:\ohiodot-pw-bentley.com\ohiodot-pw-02\Documents\01 Active Projects\District 08\Butler\107580\100-Engineering\Roadway\Sheets\107580\_GB003.dgn



WARR

END WORK  
SR 4-26.77

BEGIN WORK  
SR 4-24.00

WORK LOCATION

MADISON

FRANKLIN

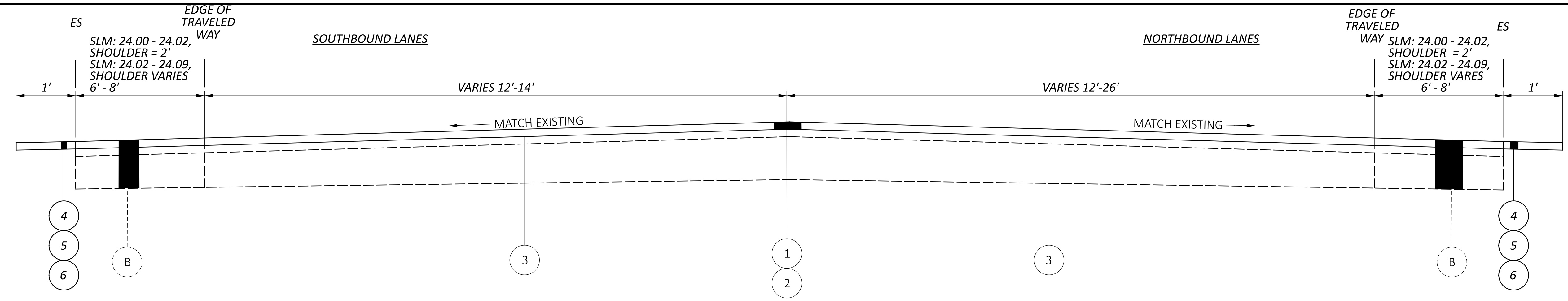
Rickard Acres

Great Miami River

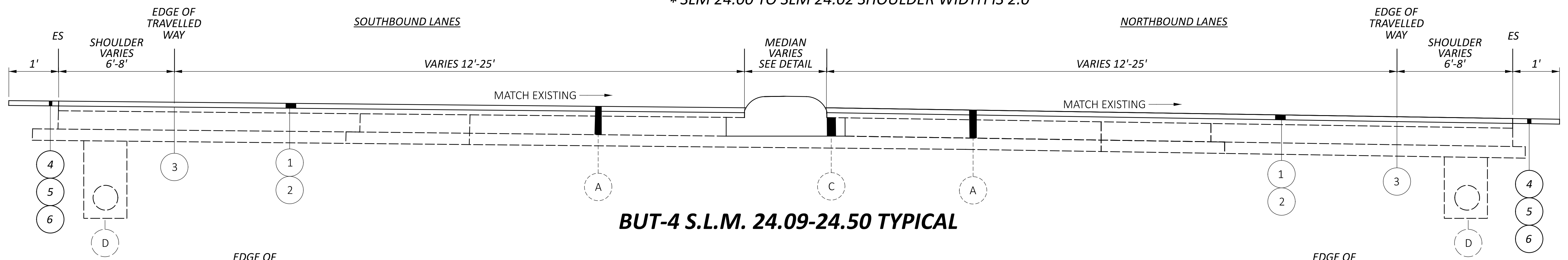
DESIGN AGENCY



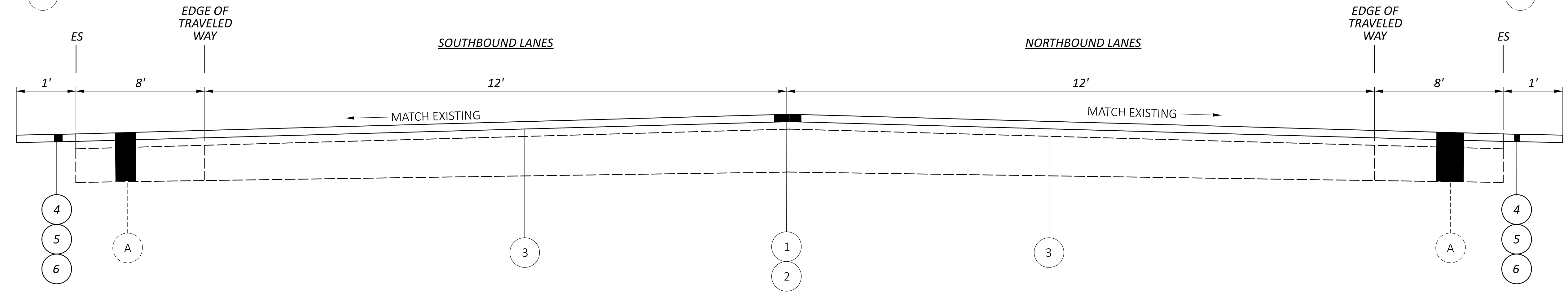
DESIGNER	GAT
REVIEWER	KSD
PROJECT ID	107580
SHEET	TOTAL
2	10



**BUT-4 S.L.M. 24.00-24.09 TYPICAL**  
 \* SLM 24.00 TO SLM 24.02 SHOULDER WIDTH IS 2.0'



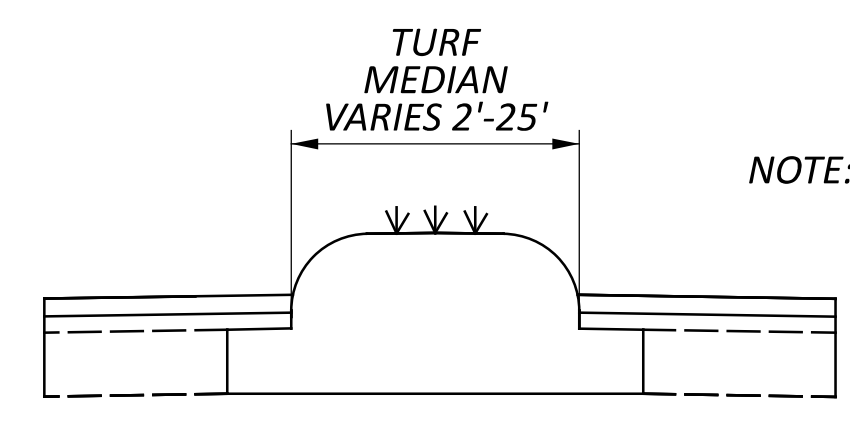
**BUT-4 S.L.M. 24.09-24.50 TYPICAL**



**BUT-4 S.L.M. 24.50-26.77 TYPICAL**

**LEGEND**

- (A) EXISTING FLEXIBLE PAVEMENT
- (B) EXISTING COMPOSITE PAVEMENT
- (C) EXISTING CONCRETE CURB WITH CONCRETE MEDIAN AND GRASS MEDIAN
- (D) EXISTING UNDERDRAIN
- (1) ITEM 441 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (448), PG64-22
- (2) ITEM 254 - 1 1/2" PAVEMENT PLANNING ASPHALT CONCRETE
- (3) ITEM 407- NON TRACKING TACK COAT (RATE 0.09 GAL/SY)
- (4) ITEM 617- SHOULDER PREPARATION
- (5) ITEM 617- 1 1/2" COMPACTED AGGREGATE, TYPE A
- (6) ITEM 617- WATER



**BUT-4 S.L.M. 24.15-24.43 TYPICAL MEDIAN DETAIL**

**CONTINGENCY QUANTITIES**

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK LISTED IN THE GENERAL SUMMARY 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 USED AT THE ENGINEER'S DIRECTION SHALL BE MADE A MATTER OF RECORD BY INCORPORATION INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THE PROJECT.

**PERMANENT PAVEMENT MARKINGS**

THE CONTRACTOR SHALL REFERENCE ALL PAVEMENT MARKINGS INCLUDING AUXILIARY PAVEMENT MARKINGS BEFORE THE START OF THE RESURFACING OPERATION. THIS WILL BE NECESSARY TO ASSURE THE CORRECT PLACEMENT OF MARKINGS IN ORIGINAL LOCATIONS. FOR CENTER LINE MARKINGS, THE CONTRACTOR SHALL INSTALL THE PASSING/NO PASSING ZONE MARKINGS ACCORDING TO THE CURRENT CENTER LINE LOGS AVAILABLE AT <http://www.dot.state.oh.us/Divisions/Operations/Traffic/miscellaneous/Pages/CenterlinePassingandNoPassingZoneLogs.aspx> PAYMENT FOR THIS OPERATION SHALL BE INCLUDED WITH EACH RESPECTIVE PAVEMENT MARKING ITEM.

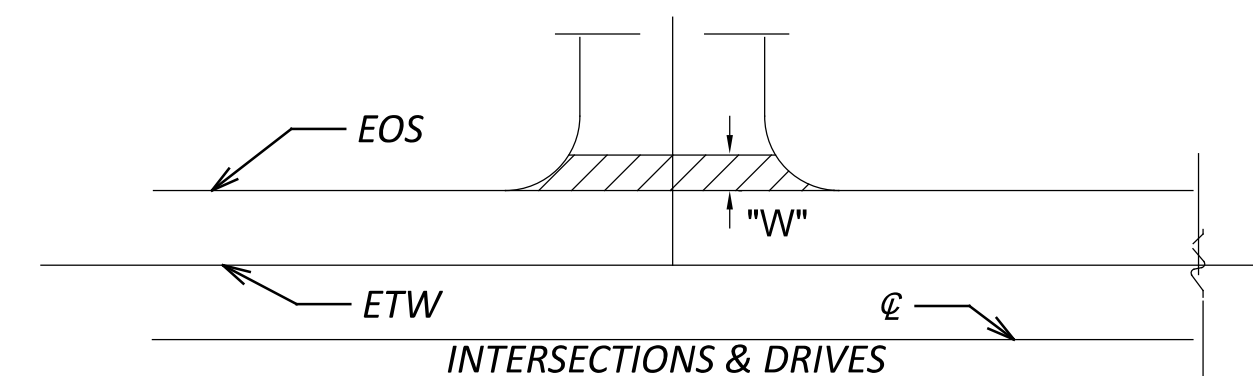
**ITEM 623- CONSTRUCTION LAYOUT STAKES, AS PER PLAN**

PRIOR TO THE START OF ROADWAY OPERATION, THE CONTRACTOR SHALL REFERENCE THE LENGTH OF THE PROJECT ON BOTH SIDES OF THE ROADWAY, IN A MANNER SATISFACTORY TO THE ENGINEER. THE PAVEMENT SHALL BE REFERENCED IN 1000' FEET INCREMENTS, OR IN INCREMENTS ACCEPTABLE TO THE ENGINEER, IN A SEMIPERMANENT CONDITION.

**ITEM 254- PAVEMENT PLANING, ASPHALT CONCRETE**

THE PLANING SHALL BE SCHEDULED TO BE COVERED BY THE SURFACE COURSE PRIOR TO REOPENING THE LANE TO TRAFFIC, EXCEPT THE CONTRACTOR IS PERMITTED TO MILL AHEAD 1000 FEET BEYOND THE PLACED SURFACE COURSE. THE MILLED AHEAD SURFACE SHALL BE COVERED BY THE SURFACE COURSE ASPHALT WITHIN 72 HOURS OF BEING OPEN TO TRAFFIC. ADDITIONALLY, THE MILLED AHEAD SURFACE SHALL NOT BE LOCATED WITHIN AN INTERSECTION OR RAMP. THE MILLED AHEAD SURFACE SHALL BE SMOOTH, FREE OF DEBRIS, AND FREE OF POTHOLES. A DISINCENTIVE IN THE AMOUNT OF \$3,600 SHALL BE ASSESSED FOR EACH DAY THE CONTRACTOR FAILS TO MEET ANY OF THESE REQUIREMENTS.

**INTERSECTIONS AND DRIVES**

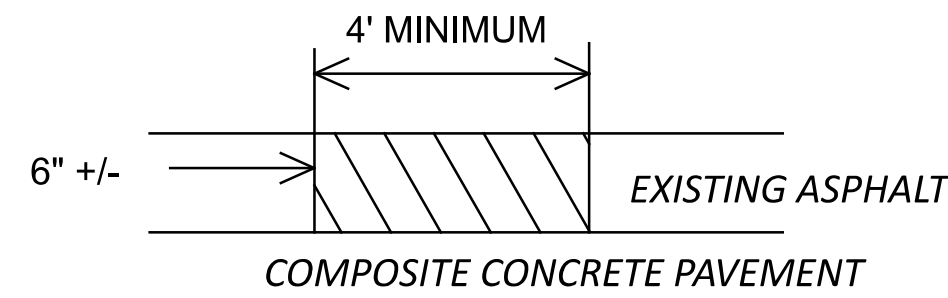


INTERSECTION AND DRIVES QUANTITIES ARE INCLUDED IN THE ASPHALT CONCRETE QUANTITIES. INTERSECTION QUANTITIES HAVE BEEN ESTIMATED AT 15' MEASURED FROM EDGE OF PAVED SHOULDER, DRIVE QUANTITIES HAVE BEEN ESTIMATED AT 3' "W" MEASURED FROM EDGE OF PAVED SHOULDER.

PERFORM WORK PER SPECIFIED OFFSET LIMITS UNLESS THERE IS AN EXISTING JOINT LOCATED CLOSER TO THE EDGE OF PAVED SHOULDER, IN WHICH CASE END WORK AT SAID JOINT.

**ITEM 253- PAVEMENT REPAIR (A)**

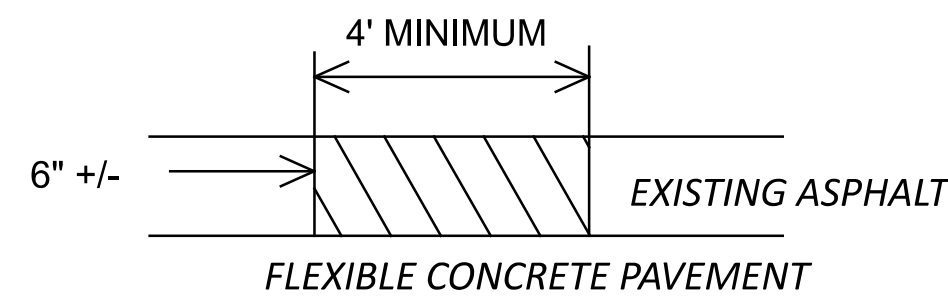
AN ESTIMATED QUANTITY OF 58 CY OF ITEM 253- PAVEMENT REPAIR HAS BEEN CARRIED TO THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER. THIS OPERATION SHALL BE PERFORMED BEFORE PAVEMENT PLANNING OF ROADWAY.



EXISTING DETERIORATED ASPHALT SHALL BE REMOVED TO A MAXIMUM DEPTH OF 5" OR TOP OF CONCRETE PAVEMENT IF LESS, OR DIRECTED BY THE ENGINEER AND REPLACED WITH ITEM 301. ASPHALT CONCRETE BASE SHALL BE COMPACTED AS PER 401.15 AND IN APPROXIMATELY EQUAL LAYERS. THE LOCATIONS AND SIZE OF THE REPAIRS SHALL BE DETERMINED BY THE ENGINEER.

**ITEM 253- PAVEMENT REPAIR (B)**

AN ESTIMATED QUANTITY OF 705 CY OF ITEM 253- PAVEMENT REPAIR HAS BEEN CARRIED TO THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER. THIS OPERATION SHALL BE PERFORMED BEFORE PAVEMENT PLANNING OF ROADWAY.



EXISTING DETERIORATED ASPHALT SHALL BE REMOVED TO A MAXIMUM DEPTH OF 5" OR TOP OF CONCRETE PAVEMENT IF LESS, OR DIRECTED BY THE ENGINEER AND REPLACED WITH ITEM 301. ASPHALT CONCRETE BASE SHALL BE COMPACTED AS PER 401.15 AND IN APPROXIMATELY EQUAL LAYERS. THE LOCATIONS AND SIZE OF THE REPAIRS SHALL BE DETERMINED BY THE ENGINEER.

**ITEM 621- RAISED PAVEMENT MARKERS**

ITEM 621- RPM, W/R	119 EA.
ITEM 621- RPM, V/Y	285 EA.
THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:	
ITEM 621- RPM	404 EA.
ITEM 621- RPM REMOVED	404 EA.

**ITEM 611 - CATCH BASIN ADJUSTED TO GRADE**

THIS WORK SHALL CONSIST OF ADJUSTING CATCH BASINS TO GRADE PRIOR TO THE APPLICATION OF THE SURFACE COURSE AS DIRECTED BY THE ENGINEER. THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 611 - CATCH BASIN ADJUSTED TO GRADE	3 EA.
--	-------

**AIRWAY/HIGHWAY CLEARANCE FOR AIRPORTS AND HELIPORTS**

THIS PROJECT HAS BEEN IDENTIFIED AS BEING WITHIN THE INFLUENCE AREA OF A PUBLIC USE AIRPORT OR HELIPORT. NO TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT AT MAXIMUM OPERATING HEIGHT SHALL EXCEED A HEIGHT OF 25 FT. IF ANY TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT WILL EXCEED THIS HEIGHT, FURTHER COORDINATION WITH THE FEDERAL AVIATION ADMINISTRATION (FAA), AND ODOT OFFICE OF AVIATION, WILL BE NECESSARY PRIOR TO ERECTING SUCH TEMPORARY STRUCTURES OR OPERATING SUCH EQUIPMENT ON THE PROJECT. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT FORM 7460-1 TO THE FAA. NOTIFY THE ODOT OFFICE OF AVIATION WHEN SUBMITTING FAA FORM 7460-1.

NO TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT SHALL EXCEED THE PERMISSIBLE HEIGHT, UNTIL A COPY OF THE FAA APPROVAL AND THE ODOT OFFICE OF AVIATION PERMIT HAS BEEN FURNISHED TO THE PROJECT ENGINEER.

FEDERAL AVIATION ADMINISTRATION  
SOUTHWEST REGIONAL OFFICE  
OBSTRUCTION EVALUATION GROUP  
10101 HILLWOOD PARKWAY  
FORT WORTH, TX 76177  
FAX: (817) 222-5920  
HTTP://CEAAA.FAA.GOV

OHIO DEPARTMENT OF TRANSPORTATION  
OFFICE OF AVIATION  
2829 WEST DUBLIN-GRANVILLE ROAD  
COLUMBUS, OHIO 43235  
OHIO.AIRPORT.PROTECTION@DOT.OHIO.GOV

MIDDLETOWN REGIONAL AIRPORT, HOOK FIELD  
CITY OF MIDDLETOWN  
1 DONHAM PLAZA  
MIDDLETOWN, OH 45042  
PHONE: (513) 425-7845

**ITEM 606 - ANCHOR ASSEMBLY, MGS TYPE E**

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING ANY OF THE GUARDRAIL END TERMINALS FOR TYPE MGS GUARDRAIL AS LISTED ON ROADWAY ENGINEERING'S WEB PAGE UNDER ROADSIDE SAFETY DEVICES FOR APPROVED GUARDRAIL END TREATMENTS. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

THE FACE OF THE TYPE E IMPACT HEAD SHALL BE COVERED WITH A SHEET OF TYPE G REFLECTIVE SHEETING, PER CMS

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. 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.

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.

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 180-12, EXCEPT THE BEAM WASHERS ARE NOT TO BE USED. PAYMENT SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE RESPECTIVE GUARDRAIL ITEMS.

**GUARDRAIL POST**

THIS PROJECT REQUIRES THE INSTALLATION OF NEW GUARDRAIL POSTS. SURVEY WORK HAS NOT BEEN PERFORMED ON THIS PROJECT, NOR HAVE THE UTILITY LOCATIONS BEEN CONFIRMED IN THE FIELD. IN ADDITION TO CMS 105.07, IF, DURING THE COURSE OF INSTALLING ANY NEW GUARDRAIL COMPONENT, IT IS DETERMINED THAT A UTILITY CONFLICT MAY RESULT, THE CONTRACTOR IS TO NOTIFY THE PROJECT ENGINEER IMMEDIATELY. UTILITIES ARE NOT BE RELOCATED AS A RESULT OF THIS OPERATION. ADJUSTMENTS TO THE PROPOSED GUARDRAIL WILL ACCOMMODATE THE EXISTING UTILITY. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING THE GUARDRAIL VIA MEANS THAT WOULD BE COMPLIANT WITH THE IMPACTED UTILITY'S SAFETY GUIDELINES AS WELL AS STILL MEETING ODOT'S DESIGN CRITERIA. ANY MINOR ADJUSTMENTS MADE TO THE PROPOSED GUARDRAIL INSTALLATIONS SHALL BE INCIDENTAL TO PAY ITEM 606.

**GUARDRAIL REPLACEMENT**

NO HAZARD SHALL BE LEFT UNPROTECTED EXCEPT FOR THE ACTUAL TIME NECESSARY TO REMOVE THE EXISTING GUARDRAIL, PREPARE THE SITE, AND INSTALL THE NEW GUARDRAIL/BARRIER IN A CONTINUOUS OPERATION. THE REMOVAL OF ALL THE GUARDRAIL/BARRIER SHALL AT ALL TIMES BE AS DIRECTED BY THE ENGINEER. NO GUARDRAIL/BARRIER 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.

**SOLE SOURCE AQUIFER**

THIS PROJECT IS LOCATED WITHIN THE GREAT MIAMI SOLE SOURCE AQUIFER FROM SLM 23.23 TO SLM 24.91 AND WITHIN THE SOURCE WATER PROTECTION AREA, MIDDLETOWN CITY PWS, FROM SLM 23.23 TO SLM 25.09. USE PROPER CONTAINMENT AND DIKING IN REFUELING AREAS. DO NOT STORE FUELS, TOXIC/HAZARDOUS MATERIALS, AND CHEMICALS NEAR DRAINAGE WAYS, DITCHES, OR STREAMS. MAINTAIN A SPILL KIT ON-SITE THROUGHOUT CONSTRUCTION ACTIVITIES. IMMEDIATELY MITIGATE ANY EVENT, SUCH AS A SPILL OF FUELS, OILS, OR CHEMICALS, THAT COULD THREATEN TO CONTAMINATE THE DRINKING WATER SUPPLY. REPORT ALL SPILLS OR EVENTS TO THE MIDDLETOWN WATER TREATMENT PLANT (513)-425-7781. IF THE SPILL IS A REPORTABLE AMOUNT (PER OHIO EPA'S RELEASE REPORTING REQUIREMENTS), CONTACT THE MADISON TOWNSHIP FIRE DEPARTMENT, STATION 152, (513)-424-3384 OR THE OHIO EPA'S SPILLS HOTLINE 1-800-282-9378 FOR CLEAN UP IF THE SPILL.

DESIGN AGENCY



DESIGNER	GAT
REVIEWER	KSD
PROJECT ID	02-12-23
	107580
SHEET	TOTAL
4	10

**MAINTENANCE OF TRAFFIC**

**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 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 & 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 CALENDAR 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		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.

CONTACT THE FOLLOWING:  
 DISTRICT PUBLIC INFORMATION OFFICER BY EMAIL AT DOT.D08.PIO@DOT.OHIO.GOV  
 DISTRICT PERMIT SECTION BY EMAIL AT D08.PERMITS@DOT.OHIO.GOV  
 CENTRAL OFFICE SPECIAL HAUL PERMITS SECTION BY EMAIL AT HAULING.PERMITS@DOT.OHIO.GOV

**ITEM 614 - MAINTAINING TRAFFIC**

A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES, EXCEPT ONE LANE OF TWO-WAY TRAFFIC USING FLAGGERS MAY BE MAINTAINED PER THE LANE VALUE CONTRACT TABLE, BY USE OF THE EXISTING PAVEMENT.

LANE VALUE CONTRACT TABLE			
DESCRIPTION OF CRITICAL LANE TO BE MAINTAINED	RESTRICTED TIME PERIOD	TIME UNIT	UNIT
S.R. 4 - SOUTH OF THOMAS RD ALL LANES OPEN TO TRAFFIC	FROM 4:00 PM TO 7:00 PM	1 MINUTE	\$100
S.R. 4 - NORTH OF THOMAS RD ALL LANES OPEN TO TRAFFIC	NO RESTRICTION	1 MINUTE	\$60

NO WORK SHALL BE PERFORMED AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS OR EVENTS:

CHRISTMAS                      FOURTH OF JULY  
 NEW YEARS                      LABOR DAY  
 MEMORIAL DAY                      THANKSGIVING  
 EASTER

THE PERIOD OF TIME THAT THE LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR EVENTS FALL. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD:  
 DAY OF THE HOLIDAYS OR EVENT TIME  
 ALL LANES MUST BE OPEN TO TRAFFIC

SUNDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY
MONDAY	12:00N FRIDAY THROUGH 6:00 AM TUESDAY
TUESDAY	12:00N MONDAY THROUGH 6:00 AM WEDNESDAY
WEDNESDAY	12:00N TUESDAY THROUGH 6:00 AM THURSDAY
THURSDAY	12:00N WEDNESDAY THROUGH 6:00 AM FRIDAY
THURSDAY	6:00 AM WEDNESDAY THROUGH (THANKSGIVING ONLY) 6:00 AM MONDAY
FRIDAY	12:00N THURSDAY THROUGH 6:00 AM MONDAY
SATURDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE IN THE AMOUNT OF \$100 FOR EACH MINUTE THE ABOVE DESCRIBED LANE CLOSURE RESTRICTIONS ARE VIOLATED.

**ITEM 614- WORK ZONE MARKINGS**

THE CONTRACTOR SHALL PLACE WORK ZONE PAVEMENT MARKINGS UPON COMPLETION OF THE ASPHALT INTERMEDIATE AND SURFACE COURSE PRIOR TO OPENING THE ROADWAY TO TRAFFIC.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AT LOCATIONS IDENTIFIED BY THE ENGINEER FOR WORK ZONE PAVEMENT MARKINGS PER THE REQUIREMENTS OF PER C&MS 614.11.

**SURFACE COURSE**

ITEM 614-WORK ZONE	
EDGE LINE 6", CLASS III, 642 PAINT	3.2 MILES
CENTER LINE, CLASS III, 642 PAINT	2.34 MILES
CHANNELIZING LINE 12", CLASS III, 642 PAINT	1,553 FT
ARROW, CLASS III, 642 PAINT	2 EACH

DESIGN AGENCY



DESIGNER  
GAT

REVIEWER  
KSD 02-12-23

PROJECT ID  
107580

SHEET TOTAL  
5 | 10



PLAN SPLIT	COUNTY-ROUTE	LOG POINT (MILE)		LENGTH		PAVEMENT AREA (Micro-Station Generated Area)	PAVEMENT AREA	254		407	441		618	617		618	874	NOTES			
		FROM	TO	MILES	FT			SQ FT	SQ YD	PAVEMENT PLANING ASPHALT CONCRETE		NON TRACKING TACK COAT @ 0.09 GAL/SQ YD	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE 1 (448), PG64-22		CENTER LINE, RUMBLE STRIPE (ASPHALT CONCRETE)	COMPACTED AGGREGATE, 1.5" DEPTH, 12" WIDTH	SHOULDER PREPARATION		WATER @ 20 GAL/CU YD	EDGE LINE, RUMBLE STRIPE (ASPHALT CONCRETE)	LONGITUDINAL JOINT PREPARATION
										DEPTH			THICK-NESS								
		INCHES	SQ YD	SQ YD	GAL			INCHES	CU YD	MILES	CU YD	SQ YD	MGAL	MILES	MILES						
01/NHS/05	BUT-4	24.00	24.50	0.50	2640	185613	20624	1.50	20623.7	207	1856.1	1.50	859.3		24.44	586.7	0.5				
01/NHS/05	BUT-4	24.50	25.00	0.50	2640	111438	12382	1.50	12382.0	124	1114.4	1.50	515.9	0.50	24.4	586.7	0.5	1.00	0.50		
01/NHS/05	BUT-4	25.00	25.50	0.50	2640	105916	11768	1.50	11768.4	118	1059.2	1.50	490.4	0.50	24.4	586.7	0.5	1.00	0.50		
01/NHS/05	BUT-4	25.50	26.00	0.50	2640	104098	11566	1.50	11566.4	116	1041.0	1.50	481.9	0.50	24.4	586.7	0.5	1.00	0.50		
01/NHS/05	BUT-4	26.00	26.50	0.50	2640	107769	11974	1.50	11974.3	120	1077.7	1.50	498.9	0.50	24.4	586.7	0.5	1.00	0.50		
01/NHS/05	BUT-4	26.50	26.77	0.27	1426	57237	6360	1.50	6359.7	64	572.4	1.50	265.0	0.27	13.2	316.8	0.3	0.54	0.27		
TOTALS CARRIED TO GENERAL SUMMARY									74675	749	6721		3112	2.27	135	3250	3	4.54	2.27		

PAVEMENT SUB-SUMMARY

DESIGN AGENCY



DESIGNER

GAT

REVIEWER

KSD 02-12-23

PROJECT ID

107580

SHEET

7

TOTAL

10

PART	COUNTY-ROUTE	LOG POINT (MILE)		TOTAL MILE	644								REMARKS		
					EDGE LINE 6"		CENTER LINE		12" CHANNEL-IZING LINE	24" TRANSVERSE LINE	LANE MARKINGS				
					WHITE	YELLOW	DASHED	DOUBLE SOLID			TURN ARROWS				
					MILE	MILE	MILE	MILE	WHITE	YELLOW	LEFT EACH	RIGHT EACH			
01/NHS/05	BUT-4	24.00	24.09	0.09	0.18				0.26						
01/NHS/05	BUT-4	24.09	24.43	0.34	0.68	0.40			0.13	250	1404	2			INTERSECTION AT SLM 24.32
01/NHS/05	BUT-4	24.43	26.77	2.34	4.68			1.27	1.07	200	593				INTERSECTION AT SLM 24.76 & 26.37
TOTALS CARRIED TO GENERAL SUMMARY					5.94		2.73		450	2582	2				

PAVEMENT MARKING SUB-SUMMARY

DESIGN AGENCY



DESIGNER  
GAT

REVIEWER  
KSD 02-12-23


PROJECT ID  
107580

SHEET TOTAL  
8 10



STATION RANGE	TYPICAL SECTION	SIDE	DISTANCE (D)	AVERAGE WIDTH (W)	SURFACE AREA (A) A=DxW/9	CADD GENERATED AREA	441	407	254											
			FT	FT	SY	SY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), (DRIVEWAYS)	NON-TRACKING TACK COAT	PAVEMENT PLANING, ASPHALT CONCRETE											
<b>SR 4 DRIVEWAY RESURFACING</b>																				
SLM																				
24.00		LT				25	0.12	2.15	25											
24.33		RT				20	0.09	1.73	20											
25.36		LT				11	0.05	0.95	11											
<b>SUBTOTALS</b>								0.26	4.83	57										
<b>TOTALS CARRIED TO GENERAL SUMMARY</b>								1.00	5	57										

DRIVEWAY QUANTITIES

DESIGN AGENCY  
  
 DESIGNER  
 GAT  
 REVIEWER  
 KSD 02-12-23  
 PROJECT ID  
 107580  
 SHEET TOTAL  
 9 10

PART CODE	COUNTY	ROUTE	LOG POINT (MILE)		SIDE	ITEM 202			ITEM 606			ITEM 626	NOTES	
						GUARDRAIL REMOVED	ANCHOR ASSEMBLY REMOVED, TYPE E	ANCHOR ASSEMBLY REMOVED, TYPE T	GUARDRAIL TYPE MGS WITH LONG POSTS	ANCHOR ASSEMBLY, MGS TYPE E	ANCHOR ASSEMBLY, MGS TYPE T	BARRIER REFLECTOR, TYPE 2 (BIDIRECTIONAL)		
			FROM	TO		FT	EACH	EACH	FT	EACH	EACH	EACH		
01/NHS/05	BUT	4	24.67	24.76	RIGHT	500.0		1	500.0		1		5	REPLACE A PORTION OF THE GUARDRAIL RUN. TIE INTO THE EXISTING GUARDRAIL ON THE NORTH END ALONG THE RADIUS AT THOMAS ROAD. MATCH EXISTING FOOTPRINT.
01/NHS/05	BUT	4	24.78	24.93	RIGHT	512.5	3		512.5	2			5	REPLACE A PORTION OF THE GUARDRAIL RUN. TIE INTO THE EXISTING GUARDRAIL ON THE SOUTH END ALONG THE RADIUS AT THOMAS ROAD. MATCH EXISTING FOOTPRINT.
01/NHS/05	BUT	4	25.02	25.12	RIGHT	487.5	2		487.5	2			5	REPLACE THE ENTIRE GUARDRAIL WITH LONG POST MGS GUARDRAIL. MATCH EXISTING FOOTPRINT
01/NHS/05	BUT	4	25.62	25.89	RIGHT	1362.5	2		1362.5	2			14	REPLACE THE ENTIRE GUARDRAIL WITH LONG POST MGS GUARDRAIL. MATCH EXISTING FOOTPRINT.
01/NHS/05	BUT	4	26.04	26.12	RIGHT	437.5	2		437.5	2			4	REPLACE THE ENTIRE GUARDRAIL WITH LONG POST MGS GUARDRAIL. MATCH EXISTING FOOTPRINT.
TOTALS CARRIED TO GENERAL SUMMARY						3300	9	1	3300	8	1		33	

GUARDRAIL QUANTITIES

DESIGN AGENCY



DESIGNER  
GAT

REVIEWER  
KSD 02-12-23

PROJECT ID  
107580

SHEET TOTAL  
10 10