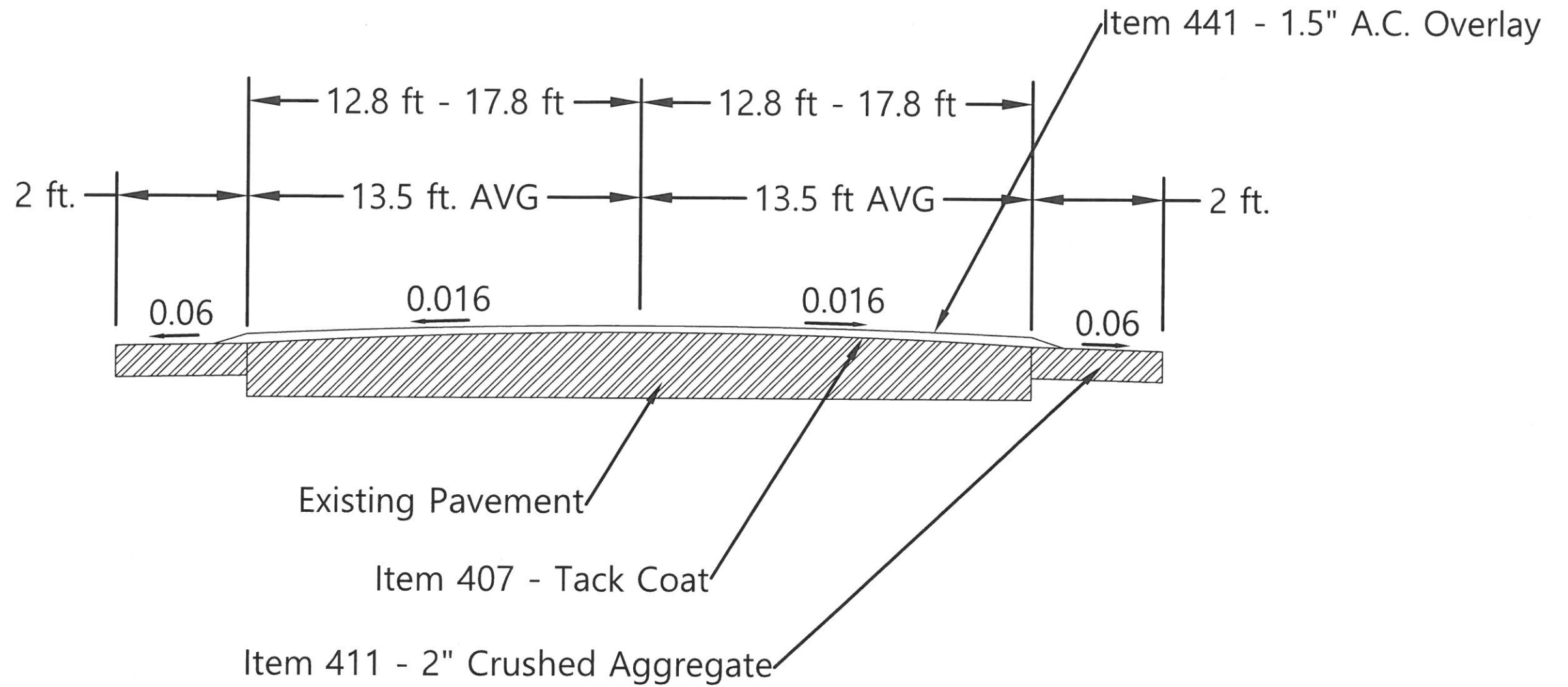


NORMAL SECTION



CALCULATED
CHECKED

TYPICAL SECTIONS

DEF-CR424

ALIGNMENT AND PROFILE:
THE WORK PROPOSED BY THIS PROJECT IS FOR THE RESURFACING OF THE EXISTING PAVEMENT. THE PROPOSED PAVEMENT SURFACE WILL BE APPROXIMATELY 1.5" HIGHER THAN EXISTING. THE GOAL OF THE PAVING IS TO IMPROVE BOTH HORIZONTAL AND LONGITUDINAL GRADES. SPREADING EQUIPMENT WILL HAVE AN AUTOMATIC PROFILE CONTROL DEVICE ADDED TO BE USED WHEN DIRECTED BY THE ENGINEER. THE MINIMUM LENGTH OF THE SKI FOR THIS DEVICE SHALL BE 30 FEET.

ITEM 407 TACK COAT APPLICATION RATES:
THE RATE OF APPLICATION OF 407 TACK COAT SHALL BE SUBJECT TO ADJUSTMENT, AS DIRECTED BY THE ENGINEER. PLAN QUANTITIES INDICATE AN AVERAGE APPLICATION RATE OF 0.075 GALLONS PER SQUARE YARD OF TACK COAT FOR ESTIMATING PURPOSES ONLY.

VOLUME QUANTITIES:
ITEMS 441 AND 411 WILL BE PAID FOR BY THE TON RATHER THAN CUBIC YARD

- ENVIRONMENTAL COMMITMENTS:
- 1. The Contractor shall not discharge toxic or hazardous materials such as sealants, paint, solvents, cleaning agents, earthen materials, waste-water, fuels or debris of any kind to the Maumee River, its tributaries, or drainage ways. If refueling of immobile equipment is necessary within the floodplain or near any tributary drainage ways, ditches, or stream, the contractor shall provide secondary containment with enough capacity to completely contain and collect all potential liquid wastes in the event of a spill.
 - 2. Any and all construction debris, earthen debris, excess asphalt or concrete, wood debris from clearing, excess fill material, and trash should be disposed of at an approved upland site or land fill above FEMA 100-year flood elevations. Disposal of any such materials within 1000 feet of the Maumee River is prohibited.
 - 3. In accordance with ORC 3750.06, reportable spills must be reported to the local fire department (911), the local emergency coordinator (419-782-1130), and the Ohio Spill Line (1-800-282-9378).
 - 4. The Contractor shall keep all idle equipment, fuels, lubricants, and any storage for/of potentially toxic or hazardous materials out of the FEMA designated special flood hazard area and not within 1000 feet of the Maumee River.
 - 5. The Defiance County Engineer shall notify the ODNR Scenic River Manager, Rowan Coburn-Griffis, Rowan.Coburn-Griffis@dnr.ohio.gov, 419-348-6731, one week prior to work commencing and within the first week after the work is finished.
 - 6. The Ohio Department of Natural Resources (ODNR) will be hosting an event at Independence Dam State Park on July 19, 2025. ODNR Scenic Rivers requests the contractor avoids leaving equipment in the parking lots of the Independence Dam State Park the weekend of July 19, 2025.

ITEM 614, MAINTENANCE OF TRAFFIC
THE CONTRACTOR SHALL ESTABLISH SINGLE LANE CLOSURE OF THE ROAD WHERE WORK IS DONE. THE CONTRACTOR MAY NOT CLOSE THE ENTIRE LENGTH OF THE PROJECT FOR THE DURATION OF THE WORK.

PAYMENT FOR PROVIDING, ERECTING, MAINTAINING AND REMOVING SIGN SUPPORTS, BARRICADES, LIGHTS AND SIGNS SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 614.

SHOULD ANY ADDITIONAL SIGNS AND/OR BARRICADES BE REQUIRED TO PROVIDE CLARITY TO THE TRAFFIC CONTROL SCHEMES AS SET FORTH IN THE PLANS OF THE "OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES", OR SHOULD ANY SIGNS AND/OR BARRICADES REQUIRE RELOCATION TO PROVIDE THIS CLARITY, THE WORK SHALL BE INCLUDED IN ITEM 614, MAINTAINING TRAFFIC. THERE SHALL BE NO ADDITIONAL COST TO THE PROJECT FOR THESE ITEMS.

THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL RESIDENCES, AT ALL TIMES.

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.

TEMPORARY CENTERLINES, LANE LINES, STOP LINES, AND LEAD IN TRAFFIC SIGNS ON THE ENDS AND AT THE SIDE APPROACHES WILL BE PAID FOR UNDER MAINTENANCE OF TRAFFIC.

Item Special – Formed Construction Joints
Creation of a Joint conforming to 401.17 by milling at each end of the project and at each adjoining road. To be paid for as Formed Construction Joint –Each

CR424			
ITEM	TOTAL	UNIT	DESCRIPTION
407	5222	Gal	Tack Coat
411	871	Tons	Stabilized Crushed Aggregate, As Per Plan
441	4358	Tons	Asphalt Concrete Surface Course, Type 1 (449), PG 58-28, As Per Plan
643	6.5520	Mile	Edge Line
643	3.2760	Mile	Center Line
Special	4	Each	Formed Construction Joints
614	1	Lump	Maintaining Traffic
624	1	Lump	Mobilization

CALCULATED

CHECKED

GENERAL SUMMARY

DEF--CR424

PAVEMENT								
FROM	TO	AVG WIDTH	LENGTH	AREA		TACK COAT-407 0.1 gal/sy	A.C. SURFACE-441 @ 1.5"	ITEM 411 - BERMING @ 2', EACH SIDE
SLM		FEET		SQ FT		GAL	TONS	TONS
4.2230	4.2430	33	106	3498		40	35	5
4.2430	4.6660	27	2233	60291		670	560	110
4.6660	5.6660	26	5280	137280		1525	1275	265
5.6660	6.4040	27	3897	105219		1170	975	195
6.4040	7.3510	27	5000	135000		1500	1250	250
7.3510	7.4990	29	781	22649		255	210	40
TOTALS						5160	4305	865

PAVEMENT						
	AT	SIDE	AREA		TACK COAT-407 0.1 gal/sy	A.C. SURFACE-441 @ 1.5"
	SLM	L or R	SQ FT		GAL	TONS
MAILBOX AREA 1	4.2980	R	95		1	1
MAILBOX AREA 2	4.3280	R	296		3	3
MAILBOX AREA 3	4.8210	R	209		2	2
MAILBOX AREA 4	5.2680	R	82		1	1
MAILBOX AREA 5	5.2860	R	33		1	1
MAILBOX AREA 6	5.4350	R	173		2	2
MAILBOX AREA 7	6.6120	R	162		2	2
MAILBOX AREA 8	6.9500	R	681		8	6
TOTALS					20	18

PAVEMENT							
FROM	SIDE	AREA		TACK COAT-407 0.1 gal/sy	A.C. SURFACE-441 @ 1.5"	ITEM 411 - BERMING @ 2', EACH SIDE	FORMED CONSTRUCTION JOINT
	L or R	SQ FT		GAL	TONS	TONS	EACH
CR424							1
STATE PARK ENTRANCE	R	1258		14	12	1	1
YOUNG Int.	L	229		3	2	1	
CEMETERY DRIVE	L	490		6	5	1	
OVERLY (W) Int.	L	384		4	4	1	
OVERLY (E) Int.	L	341		4	3	1	
HENRY CO. LINE Int.	L	1010		11	9	1	1
CR424							1
TOTALS				42	35	6	4
TOTALS FROM TABLES ABOVE				5180	4323	865	0
TOTAL TO GEN. SUMMARY				5222	4358	871	4

CALCULATED

CHECKED

PAVEMENT

DEF-CR424

PAVEMENT MARKING						
STATION		DISTANCE		CENTER LINE	EDGE LINE	
SLM		MILES				
4.2230	4.2430	0.0210		0.0200	0.0400	
4.2430	4.6660	0.4230		0.4230	0.8460	
4.6660	5.6660	1.0000		1.0000	2.0000	
5.6660	6.4040	0.7380		0.7380	1.4760	
6.4040	7.3510	0.9470		0.9470	1.8940	
7.3510	7.4990	0.1480		0.1480	0.2960	
PAGE TOTALS				3.2760	6.5520	

CENTERLINE MARKING					
STATION		DISTANCE		TYPE OF CENTER LINE	
FROM	TO				
SLM		FEET			
4.2230	4.2250	8		DOUBLE SOLID	
4.2250	4.2410	83			
4.2410	4.4940	1340		DOUBLE SOLID	
4.4940	4.6660	906		SOLID LEFT - DASHED RIGHT	
4.6660	5.3700	3716		DASHED	
5.3700	5.5400	900		DASHED LEFT - SOLID RIGHT	
5.5400	5.6610	640		DOUBLE SOLID	
5.6610	5.6690	42			
5.6690	6.3230	3449		DOUBLE SOLID	
6.3230	6.3980	397		SOLID LEFT - DASHED RIGHT	
6.3980	6.4090	57			
6.4090	6.5020	493		SOLID LEFT - DASHED RIGHT	
6.5020	6.5600	307		DASHED	
6.5600	6.7300	895		DASHED LEFT - SOLID RIGHT	
6.7300	7.1630	2287		DOUBLE SOLID	
7.1630	7.3300	881		SOLID LEFT - DASHED RIGHT	
7.3300	7.4790	791		DASHED LEFT - SOLID RIGHT	
7.4790	7.4990	101			

N

Henry County Line

7.499 mi

7.484 mi

Overly Rd (E)

6.404 mi

Overly Rd (W)

5.666 mi

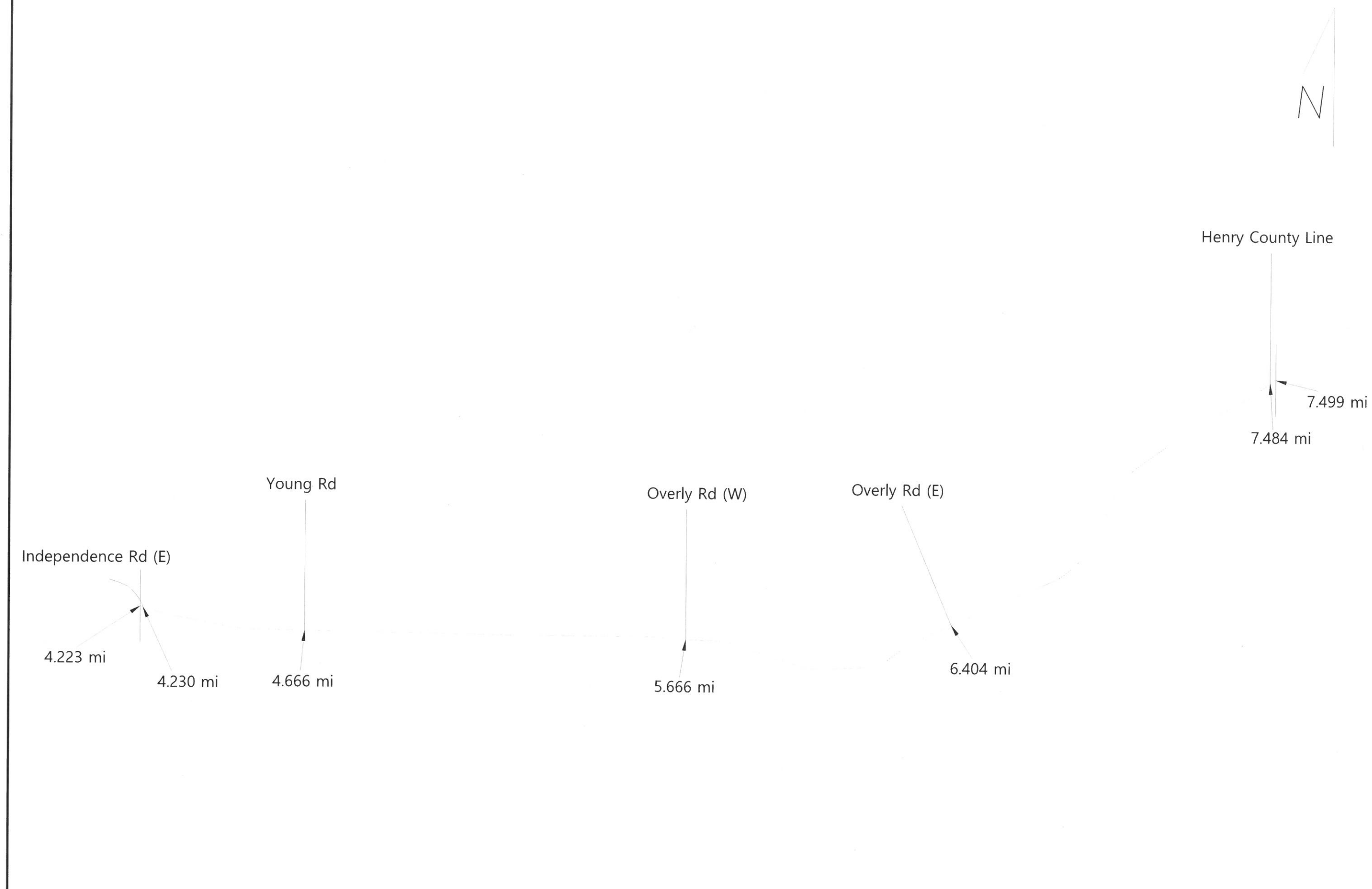
Young Rd

4.666 mi

Independence Rd (E)

4.223 mi

4.230 mi



CR424 Estimate

SHEET 4					TOTAL	UNIT	DESCRIPTION
SHEET 5							
5222			407	5222	Gal	Tack Coat	
871			411	871	Tons	Stabilized Crushed Aggregate, As Per Plan	
4358			441	4358	Tons	Asphalt Concrete Surface Course, Type 1 (449), PG 58-28, As Per Plan	
			643	6,552	Mile	Edge Line	
			643	3,276	Mile	Center Line	
			Special	4	Each	Formed Construction Joint	
			614	1	Lump	Maintaining Traffic	
			624	1	Lump	Mobilization	

\$2.50	\$13,055.00	
\$36.00	\$31,356.00	
\$96.00	\$418,368.00	
\$1,000.00	\$6,552.00	
\$900.00	\$2,948.40	
\$800.00	\$3,200.00	
\$14,520.60	\$14,520.60	
\$30,000.00	\$30,000.00	
	\$520,000.00	

1-14-2025
Dan Slett
Professional Engineer
STATE OF OHIO
EXPIRATION DATE 07/15