

# STATE OF OHIO DEPARTMENT OF TRANSPORTATION

## ATH-13-0.07 & VARIOUS VILLAGES OF CHAUNCEY, JACKSONVILLE, TRIMBLE, AND GLOUSTER ATHENS, AMES, DOVER, AND TRIMBLE TOWNSHIPS ATHENS COUNTY

**FEDERAL PROJECT NUMBER**

E150622

**RAILROAD INVOLVEMENT**

KANAWHA RIVER RAILROAD

**PROJECT DESCRIPTION**

THIS PROJECT INCLUDES TWO-LANE RESURFACING OF 16.35 MILES SR-13, 6.07 MILES OF SR-550, AND 0.36 MILES OF SR-329 USING FINE GRADED POLYMER OVERLAY AND OTHER RELATED WORK.

**EARTH DISTURBED AREAS**

PROJECT EARTH DISTURBED AREA: 0.0 ACRES  
ESTIMATED CONTRACTOR EARTH DISTURBED AREA: 0.0 ACRES  
NOTICE OF INTENT EARTH DISTURBED AREA: N/A ACRES (NOI NOT REQUIRED)\*  
\* ROUTINE MAINTENANCE PROJECT

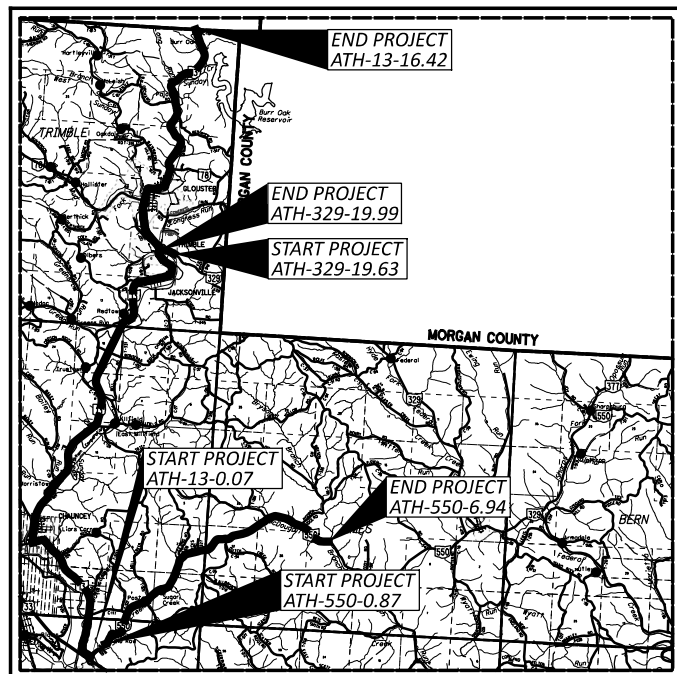
**LIMITED ACCESS**

THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR IN ACCORDANCE WITH THE PROVISIONS OF SECTION 5511.02 OF THE OHIO REVISED CODE.

**2019 SPECIFICATIONS**

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

I 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.



**LOCATION MAP**

LATITUDE: 39°27'37" LONGITUDE: 82°05'44"



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

**INDEX OF SHEETS:**

TITLE SHEET	1
TYPICAL SECTIONS	2-3
GENERAL NOTES	4-5
GENERAL SUMMARY	6
ADA SUBSUMMARY	7
PAVEMENT SUBSUMMARY	8
PAVEMENT MARKING SUBSUMMARY	9
MOT MARKING SUBSUMMARY	10
HOLLISTER OUTPOST DETAIL	11
ADA DETAILS	12-41
PAVEMENT MARKING DETAILS	42-43

DESIGN DESIGNATION	ATH-13	ATH-329	ATH-550
CURRENT ADT (2023)	5,600	1,100	2,800
DESIGN YEAR ADT (2035)	5,800	1,100	2,800
DESIGN HOURLY VOLUME (2035)	550	90	350
DIRECTIONAL DISTRIBUTION	0.70	0.56	0.61
TRUCKS (24 HOUR B&C)	0.13	0.01	0.06
DESIGN SPEED	55	55	55
LEGAL SPEED	55	55	55
DESIGN FUNCTIONAL CLASSIFICATION: ATH-13-0.07 TO 16.42: MINOR ARTERIAL ATH-329-19.65 TO 19.99: MAJOR COLLECTOR ATH-550-0.74 TO 6.70: MINOR ARTERIAL			
NHS PROJECT	NO		

**DESIGN EXCEPTIONS**

NONE

**ADA DESIGN WAIVERS**

NONE

**UNDERGROUND UTILITIES**  
Contact Two Working Days  
Before You Dig

**OHIO811.org**  
Before You Dig

OHIO 811, 8-1-1, or 1-800-362-2764  
(Non members must be called directly)

ENGINEER'S SEAL:

SIGNED:   
DATE: 2/14/2022

STANDARD CONSTRUCTION DRAWINGS						SUPPLEMENTAL SPECIFICATIONS	
BP-3.1	1/21/22	TC-64.10	7/16/21			800-2019	1/21/22
BP-3.2	1/18/19	TC-65.10	1/17/14			842	10/19/18
BP-4.1	7/19/13	TC-65.11	7/21/17			872	1/21/22
BP-5.1	1/21/22	TC-71.10	7/16/21			874	4/17/20
BP-7.1	1/21/22	TC-74.10	1/21/22			875	1/18/19
						897	1/18/15
MT-97.11	1/20/17						
MT-97.12	1/20/17						
MT-99.20	4/19/19						
MT-105.10	1/17/20						
MT-110.10	7/19/13						

APPROVED Darla Miller  
DATE 2/14/2022 DISTRICT DEPUTY DIRECTOR

APPROVED \_\_\_\_\_  
DATE \_\_\_\_\_ DIRECTOR, DEPARTMENT OF TRANSPORTATION

DESIGN AGENCY	
DESIGNER	WBC
REVIEWER	MRF 02/03/22
PROJECT ID	84552
SHEET	1
TOTAL	43

ATH-13-0.07

MODEL: Sheet PAPER SIZE: 17x11 (in.) DATE: 2/14/2022 TIME: 7:39:26 AM USER: mfirst pwc:\hobol-pw-bentley.com\shobol-pw-02\Documents\01 Active Projects\Distrid 10\Athens\84552\400-Engineering\Roadway\Sheets\84552\_GT001.dgn

TITLE SHEET

BRIDGE TREATMENTS						
SPLIT	LOCATION	SLM (TO THE NEAREST HUNDRETH OF A MILE)	SFN	EXISTING SURFACE	PROPOSED TREATMENT	PAVEMENT PLANING, ASPHALT CONCRETE, CLASS A, 1" SY
1	ATH-13	0.04	0500070		MILL 35' TO MEET NEAREST EX. APPROACH SLAB	171
1	ATH-13	1.33	0500100	CULVERT	PAVE OVER	
1	ATH-13	2.69	0500135	ASPHALT	MILL 1", PAVE 1"	897
2	ATH-13	4.58	0500178	ASPHALT	MILL 1", PAVE 1"	496
1	ATH-13	6.87	0500186	CONCRETE	MEET EX. APPROACH SLABS AT EACH END OF BRIDGE WITH MILL	
1	ATH-13	8.12	0500194	CONCRETE	MEET EX. APPROACH SLABS AT EACH END OF BRIDGE WITH MILL	
1	ATH-13	10.5	0500267	CONCRETE	MEET EX. APPROACH SLABS AT EACH END OF BRIDGE WITH MILL	
1	ATH-13	12.06	0500313	CONCRETE	MEET EX. APPROACH SLABS AT EACH END OF BRIDGE WITH MILL	
1	ATH-13	15.88	0500445	ASPHALT	PAVE OVER	
1	ATH-329	19.97	0503827	CULVERT	PAVE OVER	
1	ATH-550	2.63	0502235	CONCRETE	MILL 35' EACH END OF BRIDGE TO MEET EX. APPROACH SLABS	249
1	ATH-550	3.59	0502278	CULVERT	PAVE OVER	
1	ATH-550	5.42	0502294	ASPHALT	MILL 1", PAVE 1"	484
1	ATH-550	6.82	0502324	CONCRETE	MILL 35' WEST END OF BRIDGE TO MEET EX. APPROACH SLABS	144
1	ATH-78	8.31	0502863	CONCRETE	MILL TO MEET NEAREST EX. APPROACH SLAB TO SR-13	
1	ATH-78	9.39	0502944	CONCRETE	MILL 35' TO MEET NEAREST EX. APPROACH SLAB TO SR-13	140
SPLIT 1 TOTAL						2085
SPLIT 2 TOTAL						496
<b>TOTALS CARRIED TO GENERAL SUMMARY</b>						<b>2581</b>

**SUPPLEMENTAL SPECIFICATION 874, LONGITUDINAL JOINT PREPARATION**

THIS WORK CONSISTS OF PREPARING AN ASPHALT CONCRETE SURFACE COURSE COLD, CENTERLINE, LONGITUDINAL PAVING JOINT PRIOR TO PLACING THE ADJACENT ASPHALT LANE USING ONE OF THE METHODS DESCRIBED IN SS 874.04.

SS 874 IS TO BE USED IN THE FOLLOWING LOCATIONS:

**SPLIT 1:**

- ATH-13-0.07 TO 2.71 = 2.64 MILES
- ATH-13-4.62 TO 8.51 = 3.89 MILES
- ATH-550-2.45 TO 6.94 = 4.49 MILES

**SPLIT 2:**

- ATH-13-2.71 TO 3.16 = 0.45
- ATH-550-0.87 TO 2.45 = 1.58

TOTALS HAVE BEEN CARRIED TO THE GENERAL SUMMARY.





SHEET NUM.										PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.	
4	5	7	8	9	10	11				01/STR/PV	02/S<2/PV	03/NFP/PV							
			5,210							5,210			202	23500	5,210	SY	WEARING COURSE REMOVED		
		3,443								3,225	218		202	30000	3,443	SF	WALK REMOVED		
		406								406			202	32000	406	FT	CURB REMOVED		
		4								4			202	32500	4	FT	CURB AND GUTTER REMOVED		
1		1								1			202	98100	1	EACH	REMOVAL MISC.: 6" BOLLARD POST	23	
											1		202	98100	1	EACH	REMOVAL MISC.: CONCRETE FOUNDATION	4	
						50						50	203	10000	50	CY	EXCAVATION		
			8.98							8.98			209	72050	8.98	MILE	PREPARING SUBGRADE FOR SHOULDER PAVING		
		1,747								1,373	374		608	10000	1,747	SF	4" CONCRETE WALK		
		2,437								2,437			608	52000	2,437	SF	CURB RAMP		
		251								201	50		608	53020	251	SF	DETECTABLE WARNING		
		30								30			609	26000	30	FT	CURB, TYPE 6		
			5.5							5.5			618	41000	5.5	MILE	RUMBLE STRIPES, EDGE LINE (ASPHALT CONCRETE)		
			13.05							11.02	2.03		618	43000	13.05	MILE	RUMBLE STRIPES, CENTER LINE (ASPHALT CONCRETE)		
																		<b>DRAINAGE</b>	
7										6	1		611	98630	7	EACH	CATCH BASIN ADJUSTED TO GRADE		
1										1			611	99150	1	EACH	INLET ADJUSTED TO GRADE		
27										19	8		611	99654	27	EACH	MANHOLE ADJUSTED TO GRADE		
																		<b>PAVEMENT</b>	
1,582										1,414	168		253	02000	1,582	CY	PAVEMENT REPAIR		
												1,692	254	01000	1,692	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1.5"		
										15			301	56000	15	CY	ASPHALT CONCRETE BASE, PG64-22, (449)		
										23			304	20000	23	CY	AGGREGATE BASE		
			33,532							30,170	3,362	149	407	20000	33,681	GAL	NON-TRACKING TACK COAT		
			1,405							1,405			408	10000	1,405	GAL	PRIME COAT		
			11,342							9,561	1,781		424	14000	11,342	CY	FINE GRADED POLYMER ASPHALT CONCRETE, TYPE B, (448)		
												77	441	50000	77	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22		
			1,769							1,769			441	50200	1,769	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448)		
			254							254		7	441	50300	261	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)		
			585							585			617	10100	585	CY	COMPACTED AGGREGATE		
	13.05									11.02	2.03		874	21000	13.05	MILE	LONGITUDINAL JOINT PREPARATION		
	2,581									2,085	496		897	01010	2,581	SY	PAVEMENT PLANING, ASPHALT CONCRETE, CLASS A, 1"		
			118,909							107,119	11,790		897	01010	118,909	SY	PAVEMENT PLANING, ASPHALT CONCRETE, CLASS A, 1.25"		
																		<b>WATER WORK</b>	
5		2								5	2		638	10800	7	EACH	VALVE BOX ADJUSTED TO GRADE		
		2								2			638	10400	2	EACH	FIRE HYDRANT ADJUSTED TO GRADE		
																		<b>TRAFFIC CONTROL</b>	
										2,085	318		621	00100	2,085	EACH	RPM		
										2,160	393		621	54000	2,160	EACH	RAISED PAVEMENT MARKER REMOVED		
										42.31	6.98		642	00104	42.31	MILE	EDGE LINE, 6", TYPE 1		
										22.79	3.49		642	00300	22.79	MILE	CENTER LINE, TYPE 1		
										255			644	00400	255	FT	CHANNELIZING LINE, 8"		
										931	222		644	00500	931	FT	STOP LINE		
										406	56		644	00630	406	FT	CROSSWALK LINE, 24"		
										338			644	00700	338	FT	TRANSVERSE/DIAGONAL LINE		
										27			644	00900	27	SF	ISLAND MARKING		
										6	2		644	01000	6	EACH	RAILROAD SYMBOL MARKING		
										3			644	01300	3	EACH	LANE ARROW		
																		<b>MAINTENANCE OF TRAFFIC</b>	
91										73	18		614	12460	91	EACH	WORK ZONE MARKING SIGN		
						22.8				19.31	3.49		614	21100	22.8	MILE	WORK ZONE CENTER LINE, CLASS I, 642 PAINT		
						22.8				19.31	3.49		614	21500	22.8	MILE	WORK ZONE CENTER LINE, CLASS II, 642 PAINT		
						255				255			614	23200	255	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 8", 642 PAINT		
						255				255			614	23680	255	FT	WORK ZONE CHANNELIZING LINE, CLASS III, 8", 642 PAINT		
										338			614	25620	338	FT	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS III, 642 PAINT		
										176	101		614	26610	277	FT	WORK ZONE STOP LINE, CLASS III, 642 PAINT		
										350			614	27260	350	FT	WORK ZONE CROSSWALK LINE, CLASS III, 24", 642 PAINT		
										6	2		614	32200	6	EACH	WORK ZONE RAILROAD SYMBOL MARKING, CLASS I, 642 PAINT		
										6	2		614	32210	6	EACH	WORK ZONE RAILROAD SYMBOL MARKING, CLASS III, 642 PAINT		
										27			614	32800	27	SF	WORK ZONE ISLAND MARKING, CLASS III, 642 PAINT		
																		<b>INCIDENTALS</b>	
										LS	LS		614	11000	LS		MAINTAINING TRAFFIC		
										LS	LS		623	10001	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN	4	
										LS	LS		624	10000	LS		MOBILIZATION		

