

STATE OF OHIO

DEPARTMENT OF TRANSPORTATION

**FRA-40-20.10**  
**US-40 (MAIN STREET)**  
**SR-317 (HAMILTON ROAD)**

**CITY OF WHITEHALL**  
**FRANKLIN COUNTY**

**PROJECT DESCRIPTION**

IMPROVEMENT OF 0.18 MILES OF US 40 (MAIN STREET) AND SR 317 (HAMILTON ROAD) INCLUDING: WIDENING OF US 40, ADDITION OF CONCRETE MEDIANS ALONG ROAD CENTERLINES TO RESTRICT LEFT TURNS, SIDEWALK AND DRIVEWAY REPLACEMENT AND DRAINAGE UPDATES.

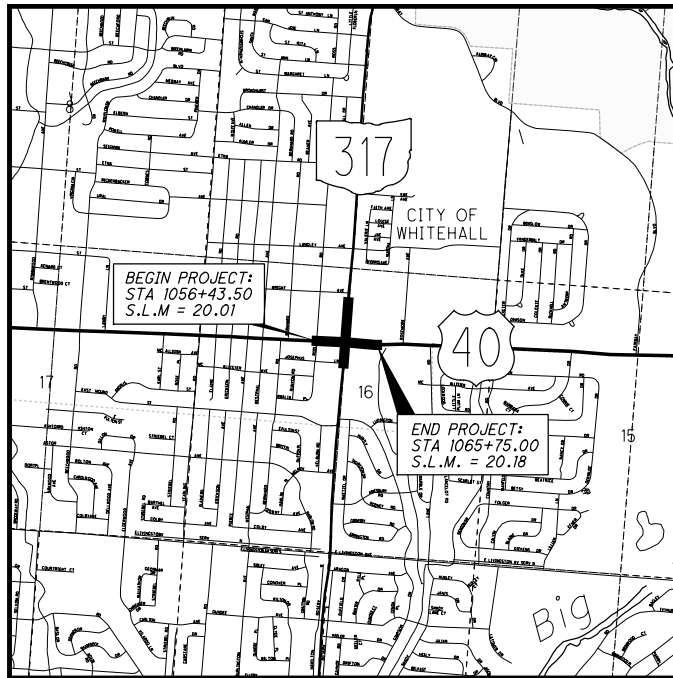
**EARTH DISTURBED AREAS**

PROJECT EARTH DISTURBED AREA: 0.67 ACRES  
 ESTIMATED CONTRACTOR EARTH DISTURBED AREA: 0.25 ACRES  
 NOTICE OF INTENT EARTH DISTURBED AREA: N/A ACRES

**2019 SPECIFICATIONS (ODOT)**

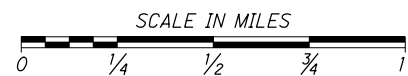
THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT; WITH THE EXCEPTION OF CITY OF COLUMBUS CONSTRUCTION ITEMS.

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: N39°57'20" LONGITUDE: W82°52'37"



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

**DESIGN DESIGNATION**

	HAMILTON RD	US 40
OPENING DAY ADT (2022)	20,125	21,061
DESIGN YEAR ADT (2040)	25,902	27,107
DESIGN HOURLY VOLUME (2042)	2429	2639
DIRECTIONAL DISTRIBUTION	53%	51%
TRUCKS (24 HOUR B&C)	3%	4%
DESIGN SPEED	40 MPH	40 MPH
LEGAL SPEED	35 MPH	35 MPH
DESIGN FUNCTIONAL CLASSIFICATION:	03 PRINCIPAL ARTERIAL (URBAN)	03 PRINCIPAL ARTERIAL (URBAN)
NHS PROJECT	NO	

**DESIGN EXCEPTIONS**

NONE

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PLAN CERTIFIED AS TO COMPLETENESS AND QUALITY  
 Jeffrey D. Hackenbracht 03/02/2022  
 SIGNATURE DATE  
 IBI GROUP PRINCIPAL  
 FIRM TITLE



PLAN PREPARED BY:  
 IBI GROUP  
 8101 North High Street, Suite 100  
 Columbus OH 43235  
 Contact: Jeff Hackenbracht  
 tel 614 818 4900 fax 614 818 4901

**ENGINEERS SEAL:**

STATE OF OHIO  
 JEFFREY D. HACKENBRACHT  
 E-56364  
 REGISTERED PROFESSIONAL ENGINEER  
 SIGNED: Jeffrey D. Hackenbracht  
 DATE: 03/02/2022

STANDARD CONSTRUCTION DRAWINGS					SUPPLEMENTAL SPECIFICATIONS	
BP-1.1	7/28/00	MT-95.31	7/19/19	CITY OF COLUMBUS	800	4/22/22
BP-2.5	1/21/22	MT-95.32	4/19/19	4120	10/1/18	821 4/20/12
BP-3.1	1/21/22	MT-95.60	4/19/19	4205	5/1/14	832 10/19/18
BP-4.1	7/19/13	MT-95.61	4/19/19	L-1001	1/26/18	875 1/18/19
BP-5.1	1/21/22	MT-99.20	4/19/19	L-6309D	1/26/18	878 1/21/22
BP-7.1	1/21/22	MT-101.90	7/17/20	L-6409A	1/26/18	921 4/20/12
CB-3A	7/16/21	MT-105.10	1/17/20			
CB-3	7/16/21	MT-110.10	7/19/13			
DM-1.1	7/17/20	TC-41.20	10/18/13			
DM-1.2	7/16/21	TC-42.20	10/18/13			
RM-1.1	1/15/21	TC-52.20	1/15/21			
RM-3.1	7/20/18	TC-71.10	7/16/21			

1 - APRIL 13, 2022 ADDED SS 878

APPROVED  
 DATE 4/21/22 DISTRICT DEPUTY DIRECTOR

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

FEDERAL PROJECT NO.  
**E210(005)**

PID NO.  
**110379**

CONSTRUCTION PROJECT NO.

RAILROAD INVOLVEMENT  
**NONE**

**FRA-40-20.10**

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SHEET NUM.											PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
5	6	15	16	26	40	48	49	61			01/SAF/OT	EXT	TOTAL				
											LS	201	11000	LS		ROADWAY	
400		638			603						1,641	202	23000	1,641	SY	CLEARING AND GRUBBING	5
		6,770									6,770	202	30000	6,770	SF	PAVEMENT REMOVED	
		1,855									1,855	202	32000	1,855	FT	WALK REMOVED	
		392									392	202	35100	392	FT	CURB REMOVED	
																PIPE REMOVED, 24" AND UNDER	
		11									11	202	58300	11	EACH	CATCH BASIN OR INLET REMOVED	
		350									350	202	98200	350	FT	REMOVAL MISC.:ABANDONED CULVERT	6
				604							604	203	10000	604	CY	EXCAVATION	
				26							26	203	20000	26	CY	EMBANKMENT	
			1,030		506						1,536	204	10000	1,536	SY	SUBGRADE COMPACTION	
			1,030								1,030	204	51000	1,030	SY	GEOGRID	
		236									236	608	52000	236	SF	CURB RAMP	
		48									48	608	53020	48	SF	DETECTABLE WARNING	
								11			11	623	38500	11	EACH	MONUMENT ASSEMBLY	6
		1									1	625	75500	1	EACH	LIGHT POLE FOUNDATION REMOVED	
																EROSION CONTROL	
98		220									318	659	00300	318	CY	TOPSOIL	5
880											880	659	10000	880	SY	SEEDING AND MULCHING	5
0.12											0.12	659	20000	0.12	TON	COMMERCIAL FERTILIZER	5
0.18											0.18	659	31000	0.18	ACRE	LIME	5
2.38											2.38	659	35000	2.38	MGAL	WATER	5
											5,000	832	30000	5,000	EACH	EROSION CONTROL	
																DRAINAGE	
			1,179								1,179	605	06000	1,179	FT	4" BASE PIPE UNDERDRAINS	
			110								110	611	00410	110	FT	4" CONDUIT, TYPE F FOR UNDERDRAIN OUTLET	
			312								312	611	04401	312	FT	12" CONDUIT, TYPE B, AS PER PLAN	5
			17								17	611	04601	17	FT	12" CONDUIT, TYPE C, AS PER PLAN	5
			508								508	611	05901	508	FT	15" CONDUIT, TYPE B, AS PER PLAN	5
			4								4	611	06101	4	FT	15" CONDUIT, TYPE C, AS PER PLAN	5
			133								133	611	07401	133	FT	18" CONDUIT, TYPE B, AS PER PLAN	5
			156								156	611	08901	156	FT	21" CONDUIT, TYPE B, AS PER PLAN	5
			4								4	611	98150	4	EACH	CATCH BASIN, NO. 3	
			1								1	611	98151	1	EACH	CATCH BASIN, NO. 3, AS PER PLAN	6
			5								5	611	98180	5	EACH	CATCH BASIN, NO. 3A	
			2								2	611	98181	2	EACH	CATCH BASIN, NO. 3A, AS PER PLAN	6
			2								2	611	99654	2	EACH	MANHOLE ADJUSTED TO GRADE	
	39										39	613	41200	39	CY	LOW STRENGTH MORTAR BACKFILL	
																PAVEMENT	
200											200	253	01000	200	SY	PAVEMENT REPAIR	
			17,007								17,007	254	01000	17,007	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1.5"	
			382								382	304	20000	382	CY	AGGREGATE BASE	
			542								542	305	14010	542	SY	10" CONCRETE BASE, CLASS QC 1P, REINFORCED	
			1,300								1,300	407	20000	1,300	GAL	NON-TRACKING TACK COAT	
			718								718	441	70100	718	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG70-22M	
			61								61	441	70300	61	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)	
					506						506	452	12010	506	SY	8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	
											95	452	14010	95	SY	10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P	
			7,431								7,431	608	10000	7,431	SF	4" CONCRETE WALK	
			4,741								4,827	609	26000	4,827	FT	CURB, TYPE 6	
			35			86					35	609	72000	35	SY	CONCRETE MEDIAN	
			4								4	609	98000	4	FT	CURB, MISC.: REMOVABLE CURB, AS PER PLAN	6
750											750	875	10000	750	LB	LONGITUDINAL JOINT ADHESIVE	
											LS	878	25000	LS		INSPECTION AND COMPACTION TESTING OF UNBOUND MATERIALS	
																TRAFFIC CONTROL	
								85			85	630	02100	85	FT	GROUND MOUNTED SUPPORT, NO. 2 POST	
								148			148	630	03100	148	FT	GROUND MOUNTED SUPPORT, NO. 3 POST	
								84.3			84.3	630	80100	84.3	SF	SIGN, FLAT SHEET	
								11			11	630	84900	11	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
								2			2	630	85100	2	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	
								12			12	630	86002	12	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	

**GENERAL SUMMARY**

**FRA-40-20.10**