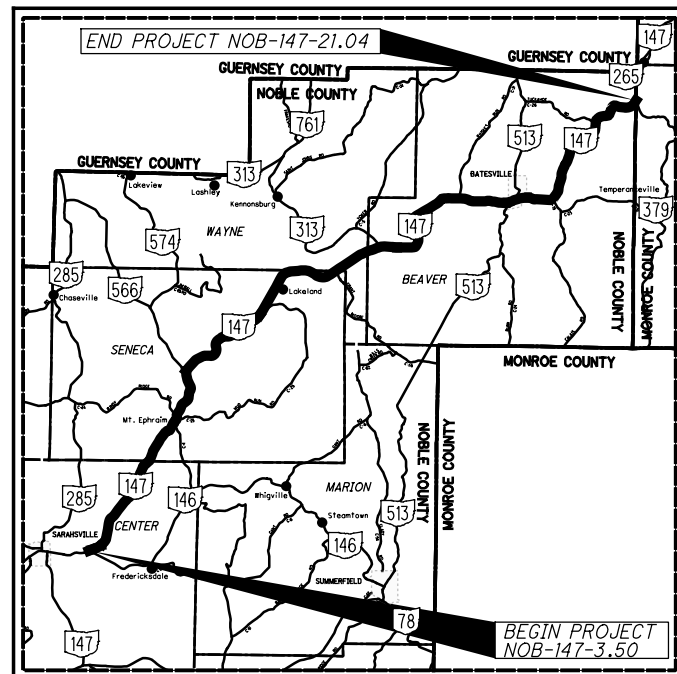


STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

NOB-147-3.50

CENTER, SENECA, WAYNE, & BEAVER TOWNSHIPS NOBLE COUNTY



LOCATION MAP

LATITUDE: 39°53'28" LONGITUDE: -81°21'21"



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

DESIGN DESIGNATION

CURRENT ADT (2020)	1,100
DESIGN YEAR ADT (2032)	1,300
DESIGN HOURLY VOLUME (2032)	130
DIRECTIONAL DISTRIBUTION	0.53
TRUCKS (24 HOUR B&C)	0.10
DESIGN SPEED	55 MPH
LEGAL SPEED	55 MPH
DESIGN FUNCTIONAL CLASSIFICATION:	
MAJOR COLLECTOR	
NHS PROJECT	NO

DESIGN EXCEPTIONS

NONE

UNDERGROUND UTILITIES

CONTACT BOTH SERVICES TWO WORKING DAYS BEFORE YOU DIG.

Call Before You Dig
1-800-362-2764

(Non-members must be called directly)

OIL & GAS PRODUCERS
UNDERGROUND PROTECTION SERVICE
1-800-925-0988

PLAN PREPARED BY:
OHIO DEPARTMENT OF TRANSPORTATION
DIO - PLANNING & ENGINEERING
MARIETTA, OHIO

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ENGINEERS SEAL:

MATTHEW R. FIRST
E-75677
REGISTERED PROFESSIONAL ENGINEER

SIGNED:

DATE: 2/25/2021

STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
BP-3.1	1/17/20	MGS-6.1	1/19/18	800-2019 4/16/21	WATERWAY
BP-3.2	1/18/19			832 10/19/18	PERMITS 3/1/21
BP-4.1	7/19/13	MT-96.11	4/17/20	902 7/19/19	
BP-7.1	7/17/20	MT-96.20	7/15/16		
		MT-97.10	4/19/19		
MGS-1.1	1/19/18	MT-97.12	1/20/17		
MGS-2.1	1/19/18	MT-101.70	1/17/20		
MGS-2.3	7/18/14	MT-101.75	1/17/20		
MGS-3.1	1/19/18	MT-101.90	7/17/20		
MGS-3.2	1/18/13	MT-105.10	1/17/20		
MGS-4.1	1/20/17				
MGS-4.2	7/19/13	TC-61.30	7/19/19		
MGS-4.3	1/18/13	TC-65.10	1/17/14		
MGS-4.5	1/18/13	TC-65.11	7/21/17		
MGS-5.2	7/15/16	TC-71.10	1/19/18		
MGS-5.3	7/15/16				

PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF 17.54 MILES OF RESURFACING USING ASPHALT OVERLAY WITH REPAIR AND OTHER ASPHALT RELATED WORK. THIS INCLUDES 4.29 MILES OF FULL DEPTH RECLAMATION AND THE REPAIR OF TWO LANDSLIDES.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA: 0.60 ACRES*
ESTIMATED CONTRACTOR EARTH DISTURBED AREA: 0.35 ACRES*
NOTICE OF INTENT EARTH DISTURBED AREA: 0.95 ACRES*
*ROUTINE MAINTENANCE

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.

APPROVED: Darla Miller
DATE: 2/25/2021 DISTRICT DEPUTY DIRECTOR

APPROVED: _____
DATE: _____ DIRECTOR, DEPARTMENT OF TRANSPORTATION

FEDERAL PROJECT NO.	E161516
CONSTRUCTION PROJECT NO.	91773
RAILROAD INVOLVEMENT	NONE
NOB-147-3.50	1/31

I:\ProjectData\NOB-147-3.50\Design\Roadway\Sheets\91773_GT001.dgn Sheet 2/25/2021 1:24:46 AM mfirst

I:\Project+Data\NOB\91773\NOB-147-3.50\Design\Roadway\Sheets\91773_CG000.dgn Sheet 5/5/2021 8:50:24 AM mfirst

SHEET NUM.											PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.	CALCULATED MRF CHECKED JDC	
4	8	12	13	14	15	17	18	18A			01/STR/PV	02/STR/OT								
											ROADWAY									
LS											LS		201	11001	LS		CLEARING AND GRUBBING, AS PER PLAN	4		
						237					237		202	30000	237	SF	WALK REMOVED			
					519			83			519	83	202	35100	602	FT	PIPE REMOVED, 24" AND UNDER			
							5,038	275			5,038	275	202	38000	5,313	FT	GUARDRAIL REMOVED			
								2				2	202	42000	2	EACH	ANCHOR ASSEMBLY REMOVED, TYPE A			
								3				3	202	98500	3	CY	REMOVAL MISC.: ROCK CHANNEL PROTECTION REMOVED			
								194				194	203	20000	194	CY	EMBANKMENT			
								454				454	204	10000	454	SY	SUBGRADE COMPACTION			
		30									30		204	45000	30	HOUR	PROOF ROLLING			
		1,407									1,407		206	10500	1,407	TON	CEMENT			
		4,824									4,824		203	40001	4,824	CY	BORROW, AS PER PLAN	4		
					10,182						10,182		209	10000	10,182	FT	DITCH CLEANOUT			
		9.12	25.96								35.08		209	72050	35.08	MILE	PREPARING SUBGRADE FOR SHOULDER PAVING			
							4,600	700			4,600	700	606	15050	5,300	FT	GUARDRAIL, TYPE MGS			
							250				250		606	15400	250	FT	MGS GUARDRAIL, TYPE 8			
							287.5				287.5		606	17050	287.5	FT	RAISING TYPE MGS GUARDRAIL			
							1				1		606	25550	1	EACH	ANCHOR ASSEMBLY, MGS TYPE A			
							11	3			11	3	606	26150	14	EACH	ANCHOR ASSEMBLY, MGS TYPE E, MASH 2016			
							8	1			8	1	606	26500	9	EACH	ANCHOR ASSEMBLY, TYPE T			
							3				3		606	27846	3	EACH	ANCHOR ASSEMBLY REBUILT, MGS TYPE B			
							5,038				5,038		SPECIAL	60650000	5,038	FT	RESHAPING BERM	4		
							640				640		608	10000	640	SF	4" CONCRETE WALK			
							48				48		608	53020	48	SF	DETECTABLE WARNING			
											EROSION CONTROL									
								4				4	601	21050	4	SY	TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT			
								7				7	601	32200	7	CY	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER			
								757				757	659	10000	757	SY	SEEDING AND MULCHING			
LS											LS		659	98700	LS		SEEDING, MISC.: SEEDING AND MULCHING	4		
											3,000	2,000	832	30000	5,000	EACH	EROSION CONTROL			
											DRAINAGE									
					6			0.6			6	0.6	602	20000	6.6	CY	CONCRETE MASONRY			
200											200		605	13402	200	FT	6" UNCLASSIFIED PIPE UNDERDRAINS FOR SPRINGS			
40											40		605	32200	40	FT	AGGREGATE DRAINS FOR SPRINGS			
								6				6	611	00510	6	FT	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS			
					92						92		611	04200	92	FT	12" CONDUIT, TYPE A			
					384						384		611	05700	384	FT	15" CONDUIT, TYPE A			
								82				82	611	07200	82	FT	18" CONDUIT, TYPE A, 706.02			
4								2			4	2	611	99710	6	EACH	PRECAST REINFORCED CONCRETE OUTLET			
								53				53	613	41200	53	CY	LOW STRENGTH MORTAR BACKFILL			
											PAVEMENT									
2,010											2,010		253	02000	2,010	CY	PAVEMENT REPAIR			
1,336											1,336		254	01000	1,336	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1.25"			
		1,430	1,682								3,112		254	01000	3,112	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1.5"			
		2,969									2,969		254	01000	2,969	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 3"			
		57,886									57,886		254	01000	57,886	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 4"			
150								65			150	65	301	46000	215	CY	ASPHALT CONCRETE BASE, PG64-22			
20								70			20	70	304	20000	90	CY	AGGREGATE BASE			
35		8,514	23,146					41			31,695	41	407	20000	31,736	GAL	NON-TRACKING TACK COAT			
		4,515	12,184								16,699		408	10000	16,699	GAL	PRIME COAT			
		2,752									2,752		441	10100	2,752	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (446), PG70-22M			
		4,039									4,039		441	10200	4,039	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (446)			
20								31			20	31	441	50000	51	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22			
			7,609								7,609		441	50100	7,609	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG70-22M			
											8,653		441	50300	8,653	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)			
		785	2,115								2,900		617	10100	2,900	CY	COMPACTED AGGREGATE			
		57,886									57,886		SPECIAL	69098300	57,886	SY	FULL DEPTH RECLAMATION WITH CEMENT	12		
		57,886									57,886		SPECIAL	69098300	57,886	SY	COVER AGGREGATE	6		
		21,418									21,418		SPECIAL	69098900	21,418	GAL	CURING SEAL	6		

GENERAL SUMMARY

NOB-147-3.50