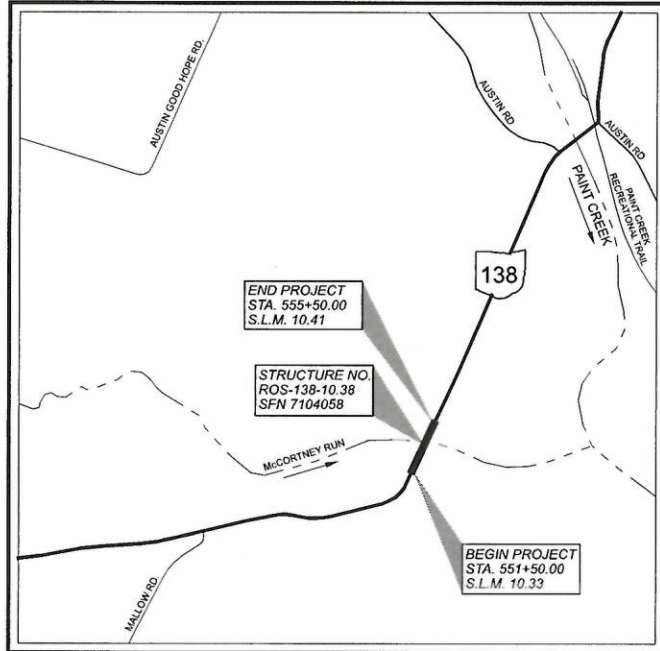


ROS - SR 138-10.38
 220553 PID - 110557
 Dist 9 10/13/2022

Contract Proposal available @
 www.contracts.dot.state.oh.us

ROS-138-10.33

MODEL: Sheet PAPER SIZE: 17x11 (in.) DATE: 02/20/2022 TIME: 4:04:20 PM USER: Jonathan.Shurilla
 p:\in-bus-pw-bentley.com\in-bus-pw-03\Documents\Columbus_OH101_Projects\DOT\Drawings\110557\400-Engineering\Roadway\Sheets\110557_G1001.dgn



LOCATION MAP

LATITUDE: 39° 25' 48" LONGITUDE: 83° 13' 48"



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

DESIGN DESIGNATION

CURRENT ADT (2021)	2100
DESIGN YEAR ADT (2041)	2100
DESIGN HOURLY VOLUME (2019)	225
DIRECTIONAL DISTRIBUTION	55%
TRUCKS (24 HOUR B&C)	7%
DESIGN SPEED	55 MPH
LEGAL SPEED	55 MPH
DESIGN FUNCTIONAL CLASSIFICATION:	
MAJOR COLLECTOR (RURAL)	
NHS PROJECT	NO

DESIGN EXCEPTIONS

DESIGN FEATURE	APPROVAL DATES	SHEET NO.
GRADED SHOULDER WIDTH	3-28-22	4

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:

Michael Baker
 INTERNATIONAL

ENGINEER'S SEAL:

SIGNED: *P. Landry*
 DATE: 07/06/2022

STATE OF OHIO
 DEPARTMENT OF TRANSPORTATION

ROS-138-10.33

CONCORD TOWNSHIP
 ROSS COUNTY

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STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS		SPECIAL PROVISIONS	
BP-3.1	1-21-22	MT-101.70	1-17-20	AS-1-15	7-17-15	800-2019	7/15/22
BP-4.1	7-19-13	MT-101.75	1-17-20	AS-2-15	1-18-19	836	1-19-18
		MT-101.90	7-17-20			846	4-17-15
MGS-1.1	7-16-21			DS-1-92	7-18-03	832	7-15-22
MGS-2.1	1-19-18	RM-4.2	4-17-20	PCB-91	7-17-20		
MGS-3.3	7-16-21						
MGS-4.2	7-19-13	TC-41.20	10-18-13				
MGS-4.3	1-18-13	TC-42.20	10-18-13				
MGS-5.3	7-15-16	TC-65.10	01-17-14	SICD-2-14	1-15-21		
		TC-65.11	07-21-17				
MT-96.11	4-16-21			PSID-1-13	1-15-21		
MT-96.20	7-15-16	TST-2-21	7-16-21				
MT-96.26	1-18-19			TST-2-21	7-16-21		
MT-97.10	4-19-19						
MT-97.11	1-20-17						
MT-102.20	4-19-19						

FEDERAL PROJECT NUMBER

E191 (916)

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

IMPROVEMENT OF 0.08 MILES OF STATE ROUTE 138 BY COMPLETE REPLACEMENT OF EXISTING THREE SPAN CONCRETE SLAB BRIDGE OVER MCCORTNEY RUN WITH NEW SINGLE SPAN PRE-STRESSED CONCRETE BEAM STRUCTURE, INCLUDING ROADWAY APPROACH GUARDRAIL AND FULL-DEPTH PAVEMENT REPLACEMENT AND DRIVE RECONSTRUCTION.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA: 0.80 ACRES
 ESTIMATED CONTRACTOR EARTH DISTURBED AREA: 0.30 ACRES
 NOTICE OF INTENT EARTH DISTURBED AREA: 1.10 ACRES

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 *Michael J. Landry*
 DATE 07-06-2022 DISTRICT DEPUTY DIRECTOR

APPROVED *Jack Matichbanks*
 DATE 8-22-22 DIRECTOR, DEPARTMENT OF TRANSPORTATION

TITLE SHEET

DESIGN AGENCY	
DESIGNER	Michael Baker INTERNATIONAL
REVIEWER	JTS
PROJECT ID	110557
SHEET TOTAL	P.1 P.55

ESTIMATED QUANTITIES								
ITEM	EXTENSION	TOTAL	UNIT	DESCRIPTION	ABUT.	SUPER	GEN.	SHEET
202	11201	1	LUMP	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN			1	3
202	22900	67	SY	APPROACH SLAB REMOVED		67		
202	23500	347	SY	WEARING COURSE REMOVED		347		
503	11101	1	LUMP	COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN			1	3 & 6
503	21300	1	LUMP	UNCLASSIFIED EXCAVATION			1	3
505	11100	1	LUMP	PILE DRIVING EQUIPMENT MOBILIZATION	1			
507	00100	2040	FT	STEEL PILES HP10X42, FURNISHED	2040			
507	00150	1870	FT	STEEL PILES HP10X42, DRIVEN	1870			
509	10000	45426	LB	EPOXY COATED REINFORCING STEEL	12933	32493		
511	33500	2	EACH	SEMI-INTEGRAL DIAPHRAGM GUIDE		2		
511	34446	161	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK		161		
511	43510	110	CY	CLASS QC1 CONCRETE, ABUTMENT INCLUDING FOOTING	110			
512	10100	511	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	14	497		
512	10300	40	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN		40		
512	33000	8	SY	TYPE 2 WATERPROOFING			8	
515	15090	4	EACH	DRAPED STRAND PRESTRESSED CONCRETE BRIDGE I-BEAM MEMBERS, LE VEL 3, TYPE WF48-49		4		
515	20000	9	EACH	INTERMEDIATE DIAPHRAMS		9		
516	13600	69	SF	1" PREFORMED EXPANSION JOINT FILLER	69			
516	13900	96	SF	2" PREFORMED EXPANSION JOINT FILLER	96			
516	14020	69	FT	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL	69			
516	44100	8	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE)		8		
517	70100	192	FT	RAILING (THREE STEEL TUBE)			192	
518	21200	61	CY	POROUS BACKFILL WITH FILTER FABRIC	61			
518	22300	199	FT	SPECIAL - STEEL DRIP STRIP			199	
518	40000	128	FT	6" PERFORATED CORRUGATED PLASTIC PIPE			128	
518	40010	36	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS			36	
526	25010	178	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=15")			178	
526	90010	69	FT	TYPE A INSTALLATION			69	
846	00110	29	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM			29	

ESTIMATED QUANTITIES
 BRIDGE NO. ROS-138-1038
 S.R. 138 OVER MCCORTNEY RUN

SFN	7104058
DESIGN AGENCY	
Michael Baker INTERNATIONAL	
DESIGNER	CHECKER
AJE	PJL
REVIEWER	
NCK	06/28/22
PROJECT ID	110557
SUBSET	TOTAL
4	21
SHEET	TOTAL
P.29	P.55