

STANDARD DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS:

REFER TO THE FOLLOWING STANDARD BRIDGE DRAWINGS:

DBR-2-73	REVISED	7/19/2002
DS-1-92	REVISED	7/15/2022
GSD-1-19	DATED	1/15/2021
ICD-1-20	REVISED	1/21/2022
DBR-3-11	REVISED	7/15/2011

AND THE FOLLOWING SUPPLEMENTAL SPECIFICATIONS:

800	DATED	1/20/2023
832	DATED	10/19/2018

DESIGN SPECIFICATIONS:

THIS STRUCTURE CONFORMS TO THE "LRFD BRIDGE DESIGN SPECIFICATIONS" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSFORMATION OFFICIALS, 8TH EDITION, AND THE ODOT BRIDGE DESIGN MANUAL, 2019.

OPERATIONAL IMPORTANCE:

A LOAD MODIFIER OF 1.00 HAS BEEN ASSUMED FOR THE DESIGN OF THIS STRUCTURE IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, ARTICLE 1.3.5 AND THE ODOT BRIDGE DESIGN MANUAL, 2007.

DESIGN LOADING:

HL-93
FUTURE WEARING SURFACE (FWS) OF 0.060 KSF

DESIGN DATA:

STRUCTURAL STEEL ASTM A709 GRADE 50W - YIELD STRENGTH 50 KSI

CONCRETE CLASS QC2 - COMPRESSIVE STRENGTH 4.5 KSI (SUPERSTRUCTURE)

CONCRETE CLASS QC1 - COMPRESSIVE STRENGTH 4.0 KSI (SUBSTRUCTURE)

REINFORCING STEEL - MINIMUM YIELD STRENGTH 60 KSI

DECK PROTECTION METHOD:

EPOXY COATED REINFORCING STEEL
2 1/2" CONCRETE COVER
STEEL DRIP STRIP

MONOLITHIC WEARING SURFACE:

MONOLITHIC WEARING SURFACE IS ASSUMED, FOR DESIGN PURPOSES, TO BE 1 INCH THICK.

DECK PLACEMENT DESIGN ASSUMPTIONS:

THE FOLLOWING ASSUMPTIONS OF CONSTRUCTION MEANS AND METHODS WERE MADE FOR THE ANALYSIS AND DESIGN OF THE SUPERSTRUCTURE. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN OF THE FALSEWORK SUPPORT SYSTEM WITHIN THESE PARAMETERS AND WILL ASSUME RESPONSIBILITY FOR SUPERSTRUCTURE ANALYSIS FOR DEVIATION FROM THESE DESIGN ASSUMPTIONS.

AN EIGHT WHEEL FINISHING MACHINE WITH A MAXIMUM WHEEL LOAD OF 2.20 KIPS.

A MINIMUM OUT-TO-OUT WHEEL SPACING AT EACH END OF THE MACHINE OF 103".

A MAXIMUM SPACING OF OVERHANG FALSEWORK BRACKETS OF 48 IN.

A MAXIMUM DISTANCE FROM THE CENTERLINE OF THE FASCIA BEAM TO THE FACE OF THE SAFETY HANDRAIL OF 65".

ITEM 202, STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN:

REMOVE STEEL ABUTMENTS AND SUPERSTRUCTURE IN THEIR ENTIRETY. REMOVE EXISTING STEEL PIERS TO STREAM BED.

SEE SHEET 3 FOR ASBESTOS NOTE.

THE STEEL PLATES LOCATED AT THE EXISTING BRIDGE LIMITS SHALL BE REMOVED AND RETURNED TO THE MONROE COUNTY ENGINEER'S OFFICE.

PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE LUMP SUM BID PRICE FOR ITEM 202 - STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN.

STEEL PILES HP10X42, FURNISHED, AS PER PLAN

PILES SHALL BE PLACED IN PREBORED HOLES

DUE TO THE GEOTECHNICAL CONDITIONS AT THE SITE, PREBORED SOCKETS SHALL BE PROVIDED. PREBORED SOCKETS SHALL EXTEND A MINIMUM OF 5 FEET INTO BEDROCK AND BE FILLED WITH CLASS QC, MISC. CONCRETE TO THE TOP OF ROCK.

THE TOTAL FACTORED LOAD IS 232 KIPS PER PILE.

ABUTMENT PILES:

8 PILES 25 FEET LONG, ORDER LENGTH

RAILING (DEEP BEAM RAIL WITH STEEL TUBULAR BACK UP AND TYPE 2 STEEL POTS AND ANCHOR BOLTS), AS PER PLAN

THIS ITEM WILL INCLUDE CONSTRUCTING THE BRIDGE RAILING IN ACCORDANCE WITH THE PLAN NOTES AND DETAILS SHOWN ON SHEETS 11/13 AND 12/13, AND STD. DWG. DBR-2-73. FOR ADDITIONAL TUBE DETAILS SHOWN ON SHEET 12/13 REFER TO STD. DWG. DBR-3-11

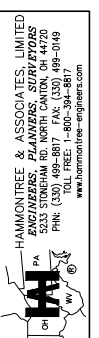


DESIGNED	MCC	CHECKED	SDG
DRAWN	RMC	REVISED	3/27/23
REVIEWED	KJO	DATE	12/9/2022
STRUCTURE FILE NUMBER	5634769		

GENERAL NOTES
TR 307 - CLEAR FORK ROAD
OVER CLEAR FORK LITTLE MUSKINGUM RIVER

MOE - TR.307 - 0.72
PID: 111393

ESTIMATED QUANTITIES									
ITEM	ITEM EXT.	PLAN SPLITS	TOTAL	UNIT	DESCRIPTION	ABUT.	SUPER	GEN.	SEE SHEET
	01/NFA/11								
202	11003	LS	LS	LS	STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN			LS	2/13
503	11100	LS	LS	LS	COFFERDAMS AND EXCAVATION BRACING			LS	
								27	
503	21300	LS	LS	LS	UNCLASSIFIED EXCAVATION			LS	
507	00101	200	200	FT	STEEL PILES HPI0X42, FURNISHED, AS PER PLAN			200	2/13
507	92200	188	188	FT	PREBORED HOLES			188	
509	10000	18,638	18,638	LB	EPOXY COATED REINFORCING STEEL	3,131	15,507		
511	34444	83	83	CY	CLASS QC2 CONCRETE, BRIDGE DECK		83		
511	45710	28	28	CY	CLASS QC1 CONCRETE, ABUTMENT	28			
512	10100	80	80	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	31	49		
513	10260	97,153	97,153	LB	STRUCTURAL STEEL MEMBERS, LEVEL 3		97,153		
513	20000	540	540	EACH	WELDED STUD SHEAR CONNECTORS		540		
516	13200	27	27	SF	1/2" PREFORMED EXPANSION JOINT FILLER		27		
516	13600	27	27	SF	1" PREFORMED EXPANSION JOINT FILLER		27		
516	13900	54	54	SF	2" PREFORMED EXPANSION JOINT FILLER		54		
516	14014	50	50	FT	INTEGRAL ABUTMENT EXPANSION JOINT SEAL		50.0		
516	44200	8	8	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE) (11" X 11" X 3.671")	8			
517	72301	212.5	212.5	FT	RAILING (DEEP BEAM RAIL WITH STEEL TUBULAR BACKUP AND TYPE 2 STEEL POSTS AND ANCHOR BOLTS) AS PER PLAN		213		2/13
518	21200	15	15	CY	POROUS BANKFILL WITH FILTER FABRIC	15			
518	22300	200	200	FT	SPECIAL - STEEL DRIP STRIP	200			
518	40000	46	46	FT	6" PERFORATED CORRUGATED PLASTIC PIPE			46	
518	40010	25	25	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS			25	
601	32204	23	23	CY	ROCK CHANNEL PROTECTION, TYPE C WITH FABRIC FILTER			23	



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REVIEWED DATE 12/9/2022
 KJO
 STRUCTURE FILE NUMBER 5634769

DRAWN RMC
 REVISION 3/27/23

DESIGNED MCC
 CHECKED KJO

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3 / 13

19
 29