

GENERAL NOTES

- SEE PROPOSAL FOR BORING DATA
- FASSTERS SHALL BE HIGH STRENGTH BOLTS (AASHTO M163 TYPE 4) BOLTS 3/8" OPEN HOLES UNLESS OTHERWISE NOTED
- CALCULATED WEIGHT OF STRUCTURAL STEEL = 22,500 LBS
- ALL STRUCTURAL STEEL SHALL BE AASHTO M222 EXCEPT EXPANSION JOINT ANGLES AND ATTACHED BARS SHALL BE AASHTO M222
- AASHTO M222 STRUCTURAL STEEL SHALL NOT BE PAINTED EXCEPT THAT FOR A DISTANCE OF THREE TIMES THE DEPTH OF THE BEAMS, BUT NOT EXCEEDING 10 FEET (EACH WAY) FROM DECK JOINTS, THE A.A.S.H.T.O. M222 STRUCTURAL STEEL SHALL BE CLEANED AND GIVEN ONE COAT OF THE BASIC LEAD SILICO CHROMATE PRIMER AND MASON FELD COAT. BOTH COATS TO BE APPLIED IN THE SHOP WITH SPOT PAINTING ONLY IN THE FIELD
- FIELD WELDING OF CONSTRUCTION ACCESSORIES WILL NOT BE PERMITTED TO THE BOTTOM FLANGE OF BEAMS OR GRIDERS NOR TO THE TOP FLANGE FOR A DISTANCE EQUAL TO ONE-FOURTH THE SPAN LENGTH EACH WAY FROM THE PIER SUPPORTS. FIELD WELDING IN OTHER AREAS WILL BE PERMITTED ONLY WHEN APPROVED BY THE ENGINEER.
- ANCHOR BOLTS SHALL BE SET BEFORE CASTING DIAPHRAGMS OVER SUPPORTS
- THE CONTRACTOR SHALL DRIVE A STEEL TEST PILE IN PERMANENT LOCATIONS AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER BEFORE ORDERING THE REMAINDER OF PILES
- BEARING SEAT SURFACES SHALL BE CONSTRUCTED OR ADJUSTED TO THE DESIGNATED ELEVATIONS WITHIN A TOLERANCE OF 1/8" EACH ADJUSTMENT SHALL BE MADE EITHER BY SPRINKLING THE SURFACE OR BY CHAMFERING THE BEARING. TWO 1/8" ADJUSTING SHIMS OF THE DIMENSIONS OF THE BOTTOM BEARING PLATE SHALL BE PROVIDED FOR EACH BEARING IN ADDITION TO ALL OTHER PLATES OR SHIMS FOR TYPE I ELASTOMERIC BEARINGS. SHIMS OF THE DIMENSIONS OF TOP PLATE SHALL BE PROVIDED AND PLACED AS DETAILED.
- THE MAIN LOAD CARRYING MEMBER COMPONENTS SUBJECT TO TENSILE STRESS SHALL CONFORM TO THE SUPPLEMENTAL REQUIREMENTS FOR NOTCH TOUGHNESS (ZONE 2). THESE COMPONENTS ARE THE WIDE FLANGE BEAMS AND ALL SPUR PLATE MATERIAL OF THE WIDE FLANGE BEAMS
- REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M31 OR M33 GRADE 60
- ALL CONTACT SURFACES FOR THE DIAPHRAGMS SHALL BE FREE OF PAINT OR LACQUER. (CONT. ON SHEET 2 OF 11)

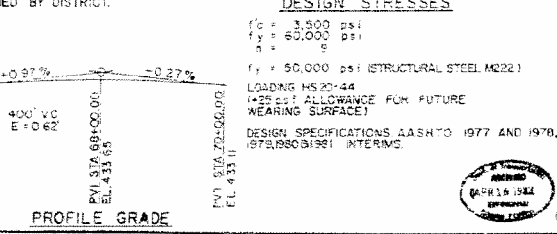
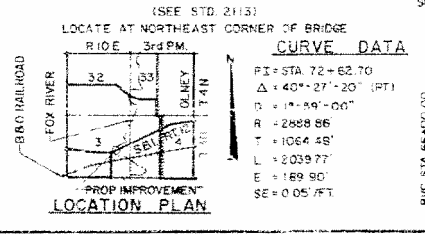
TOTAL BILL OF MATERIAL

ITEM	UNITS	SUPER	SUB	TOTAL
REMOVAL OF EXISTING STRUCTURES	EACH			
STRUCTURE EXCAVATION	CUYD	7.7		7.7
COFFERDAM EXCAVATION	CUYD	226		226
ROCK EXCAVATION FOR STRUCTURES	CUYD	7		7
COFFERDAM-PIER NO. 1	EACH			
COFFERDAM-PIER NO. 2	EACH			
FLOOR DRAINS	EACH	10		10
PROTECTIVE COAT	SQ YDS	725		725
PREFORMED JOINT SEAL	LN. FT.	35		35
PREFORMED JOINT SEAL	LN. FT.	35		35
ELASTOMERIC BEARING ASSEMBLY TYPE I	EACH	3		3
ELASTOMERIC BEARING ASSEMBLY TYPE II	EACH	3		3
CLASS X CONCRETE	CUYD	243.3		243.3
STRUCTURAL STEEL	SUM			
STEEL SHEAR CONNECTORS	EACH	2580		2580
REINFORCEMENT BARS (EPOXY COATED)	LB.	16,596	22,580	39,176
REINFORCEMENT BARS (EPOXY COATED)	LB.	28,740		28,740
STEEL PILES HP12x53	LN. FT.	456		456
STEEL PILES HP12x53	LN. FT.	312		312
TEST PILE STEEL HP12x53	EACH	2		2
TEST PILE STEEL HP12x53	EACH	1		1
NAME PLATES	EACH	1		1
STONE RIPRAP	SQ YD			487

WATERWAY DATA

LOW GRADE EL = 427.6' AT STA 52+00

FLOOD FREQ	YR	C.F.S	EXIST	PROP	H.W.	EXIST	PROP	EXIST	PROP	HEADWATER EL
DESIGN	50	7,870	1,285	1,567	427.85	0.29	0.67	428.13	428.52	
BASE	100	8,960	1,285	1,720	428.61	0.18	0.68	428.79	429.30	
OVERTOPPING	20	6,195	1,285	1,438	426.64		0.90		427.74	



NO.	DESCRIPTION	DATE	BY	APPROVAL
1	BRIDGE OFFICE REVIEW			
2	BRIDGE OFFICE REVIEW	12/2/2014		
3	BRIDGE OFFICE REVIEW	12/2/2014		

GENERAL PLAN & ELEVATION

BRIDGE OVER FOX RIVER
 SEC 5BR, S.B.I. ROUTE 12

RICHLAND COUNTY
 STA. 68+35

EL. 624.00
 WESSELBAR
 COOK & ASSOCIATES, INC.
 ENGINEERS & CONSULTANTS