



SUPERSTRUCTURE QUANTITIES

ITEM	UNIT	SPAN 1	SPAN 2	SPAN 3	TOTAL
PRESTRESSED CONCRETE BEAMS (TYPE III)	L.F.	299.0	299.0	299.0	897.0
SAW-CUT GROOVING	S.Y.	338.9	333.3	338.9	1,011.1
CONCRETE RAIL (TR4)	L.F.	150.5	150.0	150.5	451.0
STRUCTURAL STEEL	LB.	300.0	450.0	300.0	1,050.0
WEATHERING STEEL FIXED BEARING ASSEMBLY	EA.	4.0	---	4.0	8.0
STAINLESS STEEL EXPANSION BEARING ASSEMBLY	EA.	4.0	8.0	4.0	16.0
ELASTOMERIC BEARING PADS	EA.	4.0	8.0	4.0	16.0
CLASS AA CONCRETE	C.Y.	102.5	85.8	102.5	290.8
EPOXY COATED REINFORCING STEEL	LB.	21,180.0	21,030.0	21,180.0	63,390.0
WATER REPELLENT (VISUALLY INSPECTED)	S.Y.	264.0	246.0	264.0	774.0
SEALER CRACK PREPARATION	L.F.	81.5	---	81.5	163.0
SEALER RESIN	GAL.	0.9	---	0.9	1.8

- ① DIAPHRAGM RODS AND FITTINGS
- ② INCLUDES 7.4 C.Y. FOR HAUNCHES

TRAFFIC RAIL LAYOUT
ONE SIDE SHOWN, BOTH SIDES SAME

- NOTES:
- SEE STANDARDS B40-I-PCB-III-75, AND B40-I-PCB-DTL FOR P.C. BEAM DETAILS.
 - SEE STANDARDS B-40-I-ADIA-PC3-1, B40-I-ADIA-PC3-2 AND B40-I-DIA-PCB FOR ABUTMENT, INTERMEDIATE AND PIER DIAPHRAGM DETAILS.
 - SEE STANDARD B40-I-BRG-PC3 FOR BEARING DETAILS.
 - SEE STANDARD B40-I-XSECT-PC234 FOR BRIDGE TYPICAL SECTION AND STANDARD B40-I-LSECT-PCB FOR BRIDGE LONGITUDINAL SECTION.
 - SEE STANDARD B40-I-SPR-BLIST-PCB FOR SUPERSTRUCTURE BAR LIST.
 - SEE STANDARD B40-I-TR4-0-PC23 AND TR4-2 FOR ADDITIONAL TRAFFIC RAIL DETAILS.



GROSSMAN & KEITH
ENGINEERING COMPANY
10408 GREENBRIAR PL., OKLA. CITY OK. 73159
PH. 691-3213 FAX 691-3214
CA. #74 EXPIRES 06/30/2016

DESIGN		U.S. 277 OVER DEEP RED CREEK OVERFLOW BRIDGE "A"	COTTON COUNTY
DRAWN			
CHECKED			
APPROVED			
SQUAD	G/K ENGR.		
		JOB PIECE NO. 28036(04)	SHEET NO. 51

GIRDER LAYOUT

X:\guensey\EC-1360\Struc\Bridge-A\FRAME.dgn 6/2/2016