

ORIGINAL DESIGN DATA

(FOR INFORMATION ONLY)

CLASS "A" CONCRETE 1,000 P.S.I.
 CLASS "AA" CONCRETE 1,200 P.S.I.
 REINFORCING STEEL 20,000 P.S.I.
 STRUCTURAL STEEL 20,000 P.S.I.
 LOADING HS 20-44 & PPM 20-4

MATERIALS
 STRUCTURAL STEEL - A36
 CONCRETE, SUPERSTRUCTURE - CLASS "AA(AE)"
 SUBSTRUCTURE - CLASS "A"

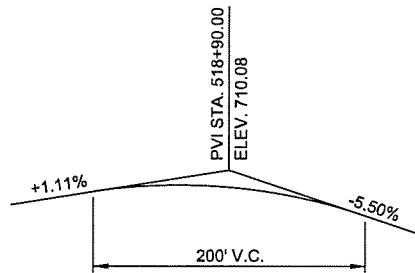
APPROACH SLABS - CLASS "A(AE)"
 REINFORCING STEEL - A.S.T.M., A-305
 INTERMEDIATE GRADE

MAX. FOUNDATION PRESSURES
 PIERS - COMB. LOADING 4.3 T-S.F.
 DIRECT BRG. 4.3 T-S.F.
 ABUT. - COMB. LOADING 3.3 T-S.F.

REHABILITATION DESIGN DATA

AASHTO SEVENTEENTH EDITION
 STRENGTH DESIGN METHOD (LOAD FACTOR DESIGN)
 CONCRETE CLASS "A" $F_c = 3,000$ P.S.I.
 CONCRETE CLASS "AA" $F_c = 4,000$ P.S.I.
 STRUCTURAL STEEL M270 (GRADE 50W) $F_y = 50,000$ P.S.I.
 REINFORCING STEEL (GRADE 60) $F_y = 60,000$ P.S.I.

LOADING HS20-44 PLUS 20 PSF FUTURE WEARING SURFACE



PROPOSED 2ND STREET W-N RAMP PROFILE

THE PROPOSED PROFILE GRADE IS THE PROFILE FROM THE AS-BUILT PLANS PLUS 0.45 FEET TO ACCOUNT FOR SURVEY ADJUSTMENTS.

SUMMARY OF QUANTITIES - BRIDGE "B"

DESCRIPTION	UNIT	ABUTMENTS	PIERS	SUPERSTRUCTURE	APPROACH SLABS	TOTAL
CLSM BACKFILL	CY				24.0	24.0
(PL)FALSEWORK JACKING	LSUM			1.0		1.0
APPROACH SLAB	SY				75.5	75.5
SAW-CUT GROOVING	SY			385.0	65.2	450.2
SEALED EXPANSION JOINT	LF			54.0		54.0
42" F-SHAPED PARAPET	LF			341.2	61.7	402.9
STRUCTURAL STEEL	LB			1,000.0		1,000.0
WEATHERING STEEL FIXED BEARING ASSEMBLY	EA			9.0		9.0
WEATHERING STEEL EXPANSION BEARING ASSEMBLY	EA			9.0		9.0
SPECIAL CONCRETE FINISH	LSUM					1.0
CLASS AA CONCRETE	CY			100.6		100.6
CLASS A CONCRETE	CY	0.5	86.2			86.7
SLOPE WALL (4")	SY					80.0
EPOXY COATED REINFORCING STEEL	LB	90.0	15,280.0	27,960.0		43,330.0
PAINTING EXISTING STRUCTURES	LSUM			1.0		1.0
COLLECTION AND HANDLING OF WASTE	LSUM			1.0		1.0
WATER REPELLENT (VISUALLY INSPECTED)	SY	33.0	234.0	450.0	30.0	747.0
PREPARATION OF CRACKS, ABOVE WATER	LF	16.0				16.0
EPOXY RESIN, ABOVE WATER	GAL	1.0				1.0
PNEUMATICALLY PLACED MORTAR	SY	2.0				2.0
SEALER CRACK PREPARATION	LF			39.0		39.0
SEALER RESIN	GAL			0.5		0.5
(SP) CORROSION INHIBITOR(SURFACE APPLIED)	SY	7.0				7.0
REMOVAL OF BRIDGE ITEM (TYPE A)	LSUM			1.0		1.0
REMOVAL OF BRIDGE ITEM (TYPE B)	LSUM		1.0			1.0
REMOVAL OF BRIDGE ITEM (TYPE C)	EA	3.0				3.0
REMOVAL OF BRIDGE ITEM (TYPE D)	EA			3.0		3.0

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6/7/2016

2ND STREET RAMP OVER I-444 - BRIDGE "B"

DESIGN	JSH	1-16	OKLAHOMA DEPARTMENT OF TRANSPORTATION GENERAL PLAN AND ELEVATION - BRIDGE "B" SHEET 2 OF 2 STATE JOB NO. 28865(04) SHEET NO. 54 TULSA CO. 2ND STREET
DRAWN	MRM	1-16	
CHECKED	LWN	3-16	
APPROVED			
SQUAD	TT		