

	N 1						RENCE T NUMBER	FISC/ YEA	
PREFORMED EXPANSION PROJECT NOMBER PEAK NOMBER   AASHTO M-213, MODIFIED. SEAL ** DEPTH OF STEP, RISER BLOCK & JOINT FILLER									
ORDANCE WITH SUBARTI	DEFIN	OF SIEF,	NISEN DI	STEP		T. FILLER			
				24' SPA	N TO 34	I' SPAN	4"	NA	20"
"D" 				24' SPAI	N TO 40	' SPAN	7"	NA	23"
TO BE CAST OR DRILL	ED				N TO 40		3"	4"	23"
FOR SECURING SLABS LONGITUDINALLY									
SEE DETAIL "D" LOCATION "L" "W" BARRIER RAIL 1'-10½" 1'-4"									
SEE DETAIL "D"	*	* INTERIOR SIDE OF EXTERIOR SL			OR SLAB	11 <sup>1</sup> /4"			
ARS x 30'-3"				INTERIOR SLABS				11 <sup>1</sup> /4"	
				EXTERIOR	SIDE OF	EXTERIC	R SLAB	11¼"	8"
3ARS x 31'-3"					AYBRA		ABLES	<b></b>	
		"H"	"F"	"G"	"A"	"B"	"C"	"D"	WT. LBS.
	ر ن	13'-0" 14'-0"	6'-6" 7'-6"		29'-8" 30'-0"	29'-11" 30'-2"			1038 1047
ARS x 31'-3"	STORY RACING	14 -0	8'-6"		30'-5"	30'-5"			1047
	E ST BRA	16'-0"	9'-6"		30'-11"	30'-8"			1068
	SINGLE STO	17'-0"	10'-6"		31'-3"	30'-11"			1078
		18'-0"	11'-6'		31'-9"	31'-2"			1089
		19'-0" 20'-0"	12'-6' 6'-11'		32'-3" 29'-10"	31'-5" 30'-0"	 31'-4"	 31'-8"	1101 2132
	DOUBLE STORY SWAYBRACING	20-0	6'-11'			30'-0"	31'-8"	31'-11"	
	E ST RAC	22'-0"	6'-11"			30'-0"	32'-0"	32'-2"	2150
	JBLF AYBI	23'-0"	6'-11'	' 8'-7"	29'-10"	30'-0"	32'-4"	32'-5"	2160
	DOI SV/	24'-0"	6'-11"		29'-10"	30'-0"	32'-9"	32'-8"	2170
NOTE		23-0	6'-11'			30'-0"	33'-2"	32'-11"	2180
NOTE: WEIGHT GIVEN IS TOTAL FOR TWO PIECES OF EACH LENGTH OF SWAYBRACING SHOWN IN TABLE. BATTEN WEIGHT INCLUDED IN ABOVE TABLE.									
DESIGN PARAMETERS									
THE FOLLOWING DESIGN PARAMETERS WERE USED TO DEVELOP									
THIS STANDARD DRAWING:									
DESIGN AXIAL LOAD = 40 TONS / PILE FOR 24'-0'' SPAN DESIGN AXIAL LOAD = 49 TONS / PILE FOR 34'-0'' SPAN									
DESIGN AXIAL LOAD = 59 TONS / PILE FOR 40'-0'' SPAN									
"K" FOR COMPUTING UNBRACED PILE LENGTH = 2.0 SCOUR DEPTH = 0 FEET									
DISTANCE FROM GROUNDLINE TO PILE FULLY FIXED = 15 FEET									
FACTOR OF SAFETY FOR UNSCOURED CONDITION = 2.0									
NCRETE THE DESIGNER OF RECORD IS RESPONSIBLE FOR DETERMINING ACTUAL									
TE BY THE ABOVE NOTED DESIGN PARAMETERS.									
FICATIONS. GENERAL NOTES									
1 THE SPECIFICATIONS: ALABAMA DEPARTMENT OF TRANSPORTATION, CURRENT									
DESIGN LOADING: A.A.S.H.T.O. HS20-44									
CONCRETE: CONCRETE FOR PRECAST BENT CAP SHALL BE IN ACCORDANCE WITH SECTION									
512 OF THE STANDARD SPECIFICATIONS. ALL EXPOSED CORNERS TO BE CHAMFERED 3/4" BY 45° UNLESS OTHERWISE NOTED. ALL OTHER CORNERS ARE TO BE ROUNDED TO 1/4"									
RADIUS. CONCRETE WILL NOT BE PAID FOR DIRECTLY, BUT WILL BE CONSIDERED AS									
SUBSIDIARY TO THE ITEM PRECAST CONCRETE CAP UNIT. CONCRETE FOR PILE ENCASEMENTS SHALL BE BRIDGE SUBSTRUCTURE CONCRETE IN ACCORDANCE WITH									
SECTION 501 OF THE STANDARD SPECIFICATIONS.									
<u>REINFORCING STEEL</u> : ALL REINFORCING STEEL SHALL BE ACCURATELY LOCATED IN THE FORMS AND FIRMLY HELD IN PLACE AS REQUIRED BY ITEM 502.03(c)4 OF THE STANDARD									
SPECIFICATIONS. REINFORCING STEEL SHALL MEET THE REQUIREMENTS OF SECTION 835									
OF THE STD. SPEC. REINFORCING DIMENSIONS ARE TO THE CENTER LINE OF THE BARS UNLESS OTHERWISE NOTED. THE ABOVE STEEL WILL NOT BE PAID FOR DIRECTLY, BUT									
WILL BE CONSIDERED AS SUBSIDIARY TO THE ITEM OF PRECAST CONCRETE CAP UNIT.									
STRUCTURAL STEEL AND PILING: ALL STRUCTURAL STEEL SHALL CONFORM TO SECTION 836 OF THE STANDARD SPECIFICATIONS. ALL PILING SHALL BE 12" STEEL "H" PILING,									
53 LBS. FOR PILE SPLICE DETAILS SEE BRIDGE SPECIAL PROJECT DRAWING SBD-1. WELDING: ALL WELDING SHALL CONFORM TO ARTICLE 836.46 OF THE STANDARD SPEC-									
IFICATIONS.									
TOLERANCES: A DEVIATION OF MORE THAN 1/8" MAY BE CAUSE FOR THE REJECTION OF THE UNIT.									
DESIGN DATA: A.A.S.H.T.O. 2002 STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES &									
INTERIMS SERVICE						•			
BID ITEMS:			TVDF 1	- DER FAG	-п				
511-A ELASTOMERIC BEARINGS, TYPE 1 - PER EACH. 512-B PRECAST CONCRETE INTERMEDIATE BENT CAPS, 2'-0" WIDE BY 2'-0'' DEEP									
BY 31'-6'' LONG - PER EACH.									
	DG <u>E E</u> N	NGINEER BRIDGE ENGINEER							
1111									<i>,</i> ,
-6	/H	alt.	m_ /	[][6]22 DATE	·   ~	in	- COC	her ?!	<b>/7/2022</b> DATE
CAST CONCRETE BENT CA	AST CONCRETE BENT CAP FOR USE WITH BRIDGE SPECIAL PROJECT DRAWING								
EL PILING AND PRECAST CONCRETE BRIDGE									
28'-0" CLEAR ROAE		∠4 -U" SP/			PCB-	2840	-1		SHEET 1 OF 1