



TRAFFIC RAIL: SR5 BARS SHALL BE IN PLACE AND TIED BEFORE WINGWALLS ARE POURED

BAR LIST - ONE ABUTMENT TYPE A

MARK	NO.	SIZE	SHAPE	LENGTH
BH1	9	#25	Str.	8440
BH2	6	#13	Str.	8440
BH3	12	#13	Str.	650
BV1	58	#16	Str.	925
D1	20	20mm	Str.	600
S1	29	#16	Bent	2880
SR5	86	#13	Str.	1085
WH1	10	#19	Str.	3550
WH2	18	#19	Str.	3550
WH3	8	#19	Str.	2450 Avg.
WH4	14	#19	Str.	2450 Avg.
WH5	4	#19	Bent	1910
WH6	4	#19	Str.	2580
WT1	14	#19	Bent	2720
WV1	20	#13	Str.	2020
WV2	32	#13	Str.	1380 Avg.

BAR LIST - ONE ABUTMENT TYPE B, C, D OR E BEAMS

MARK	NO.	SIZE	SHAPE	LENGTH
BH1	9	#25	Str.	8440
BH2	6	#13	Str.	8440
BH3	12	#13	Str.	650
BV1	58	#16	Str.	925
D1	⑤	20mm	Str.	600
S1	29	#16	Bent	2880
SR5	86	#13	Str.	1085
WH1	12	#19	Str.	3550
WH2	22	#19	Str.	3550
WH3	8	#19	Str.	2450 Avg.
WH4	14	#19	Str.	2450 Avg.
WH5	4	#19	Bent	1910
WH6	4	#19	Str.	2580
WT1	20	#19	Bent	2720
WV1	20	#13	Str.	2220
WV2	32	#13	Str.	1585 Avg.

- ① Smooth Dowels with Metal Expansion Cap, spaced as Shown on Std. TTBI.
- ② Varies from 1700 to 3200
- ③ Varies from 855 to 1905
- ④ Varies from 1060 to 2110
- ⑤ 20 - Type B or C
19 - Type D or E

FOUNDATION LOAD

SPAN LENGTH (m)	AVERAGE LOAD (kN/pile)
6	220
8	270
10	300
12	330
14	360
16	400

QUANTITIES - ONE ABUTMENT

ITEM	UNIT	QUANTITY	
		TYPE A	TYPE B, C, D or E
Unclassified Backfill	m ³	11	15
Substr. Excav. Common	m ³	36	38
Concrete Rail	m	7.3	7.3
Class A Concrete	m ³	11.0	11.5
Reinforcing Steel	kg	1245	1335

APPROVED BY BRIDGE ENGINEER _____ DATE _____

**OKLAHOMA DEPT. OF TRANSPORTATION
COUNTY BRIDGE STANDARD (METRIC)**

**DETAILS OF ABUTMENT FOR DOUBLE TEES
SKEWED 0° - 8 m NOMINAL CLEAR ROADWAY**

1999 SPECIFICATIONS TTA-1 OOM
ALL DIMENSIONS ON THIS SHEET IN MILLIMETERS UNLESS OTHERWISE NOTED. CB-15M