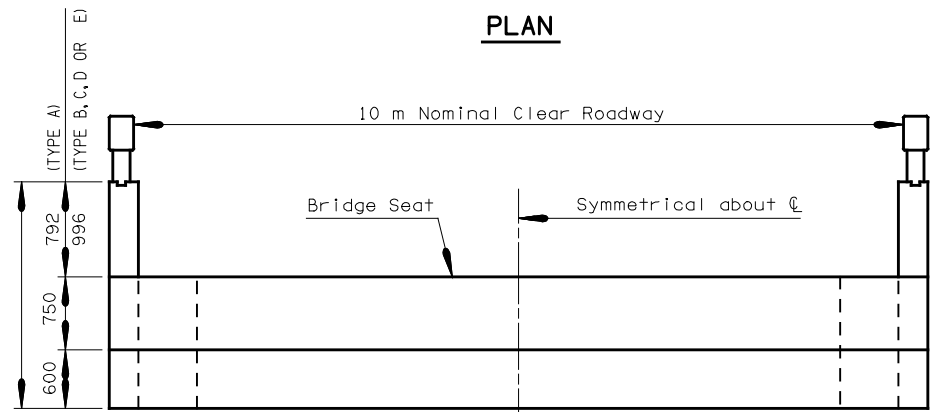
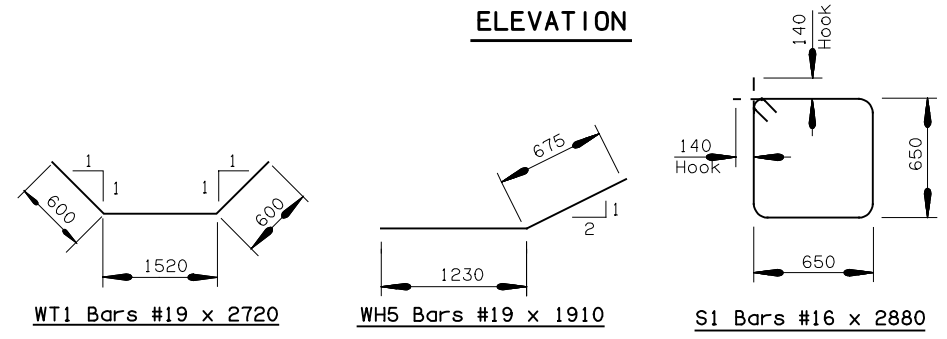


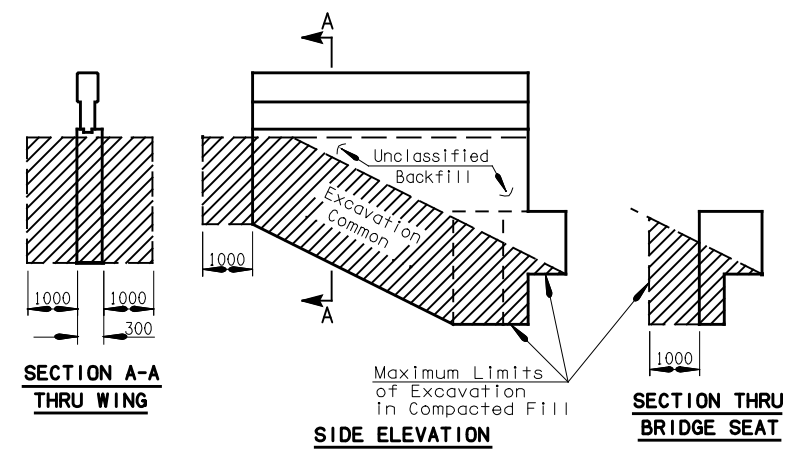
**PLAN**



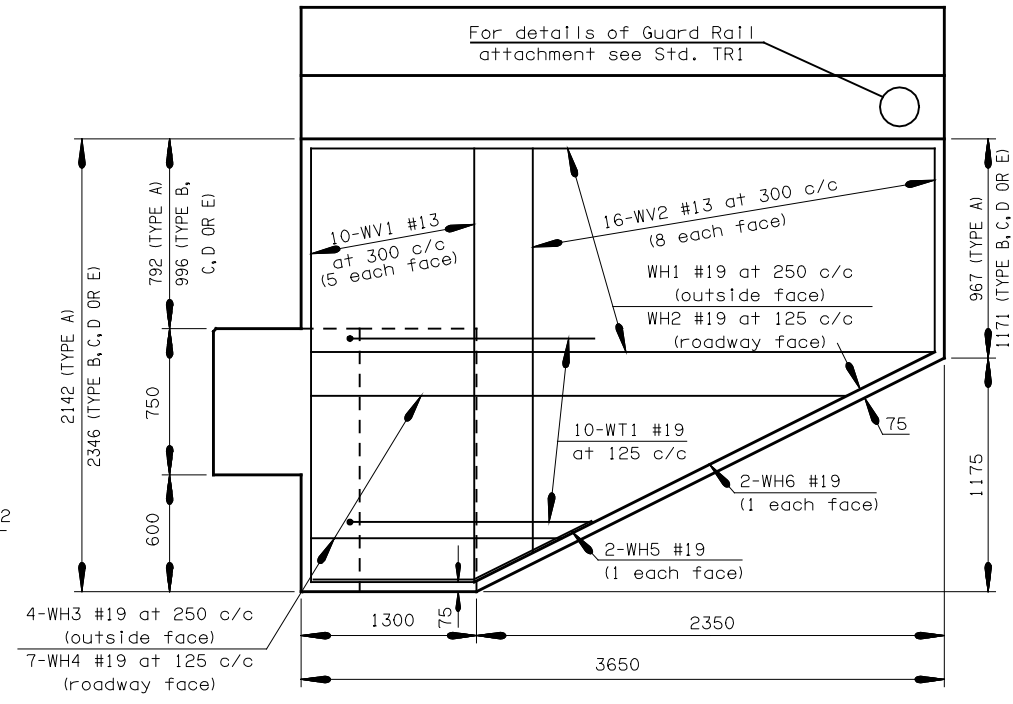
**ELEVATION**



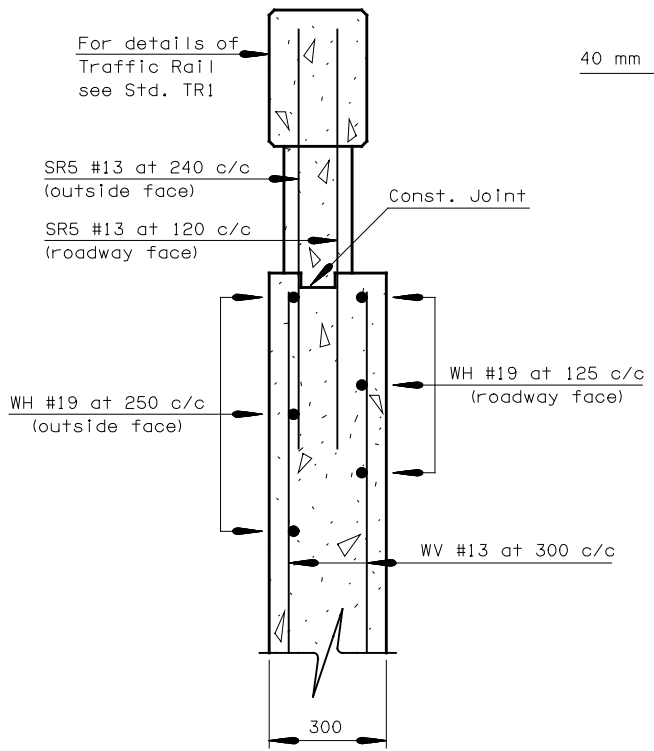
**WT1 Bars #19 x 2720      WH5 Bars #19 x 1910      S1 Bars #16 x 2880**



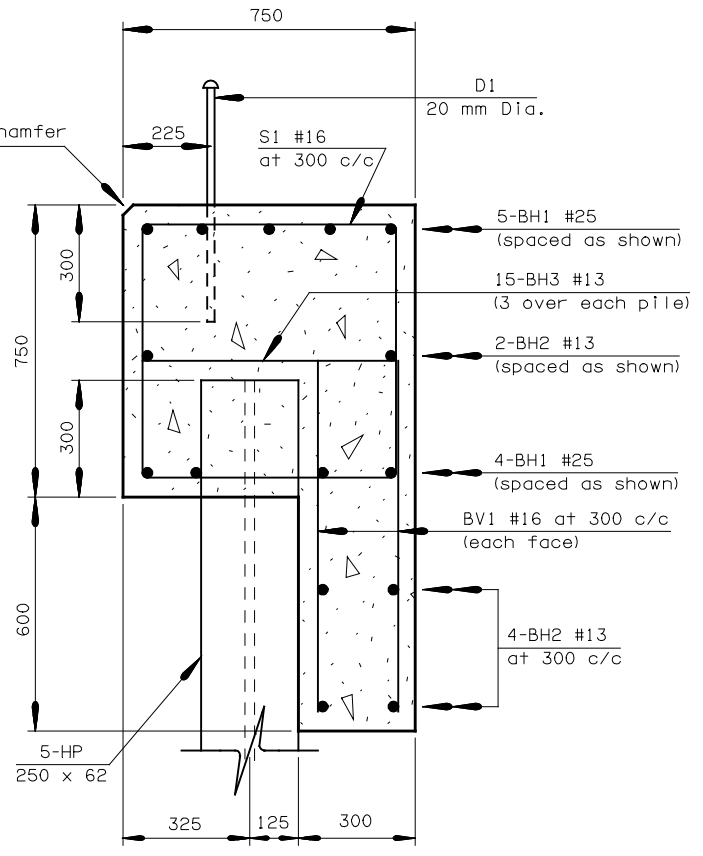
**TYPICAL ABUTMENT EXCAVATION DIAGRAM**



**WING ELEVATION**



**SECTION THRU WING**



**SECTION THRU BRIDGE SEAT**

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

SPAN LENGTH (m)	AVERAGE LOAD (kN/pile)
6	200
8	240
10	270
12	300
14	320
16	350

**BAR LIST - ONE ABUTMENT TYPE A**

MARK NO.	SIZE	SHAPE	LENGTH	
BH1	9	#25	Str.	10 570
BH2	6	#13	Str.	10 570
BH3	15	#13	Str.	650
BV1	72	#16	Str.	925
D1	25	20mm	Str.	600
S1	36	#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	20	#19	Bent	2720
WV1	20	#13	Str.	2020
WV2	32	#13	Str.	1380 Avg.

**BAR LIST - ONE ABUTMENT TYPE B OR C**

MARK NO.	SIZE	SHAPE	LENGTH	
BH1	9	#25	Str.	10 570
BH2	6	#13	Str.	10 570
BH3	15	#13	Str.	650
BV1	72	#16	Str.	925
D1	25	20mm	Str.	600
S1	36	#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.

**BAR LIST - ONE ABUTMENT TYPE D OR E**

MARK NO.	SIZE	SHAPE	LENGTH	
BH1	9	#25	Str.	10 150
BH2	6	#13	Str.	10 150
BH3	15	#13	Str.	650
BV1	70	#16	Str.	925
D1	23	20mm	Str.	600
S1	35	#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. TTB1.
- ② Varies from 1700 to 3200
- ③ Varies from 855 to 1905
- ④ Varies from 1060 to 2110

ITEM	UNIT	TYPE A	TYPE B or C	TYPE D or E
Unclassified Backfill	m <sup>3</sup>	14	20	19
Substr. Excav. Common	m <sup>3</sup>	40	41	40
Concrete Rail	m	7.3	7.3	7.3
Class A Concrete	m <sup>3</sup>	12.6	13.0	12.7
Reinforcing Steel	kg	1445	1485	1460

APPROVED BY BRIDGE ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_

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

**DETAILS OF ABUTMENT FOR DOUBLE TEES  
SKEWED 0° - 10 m NOMINAL CLEAR ROADWAY**

1999 SPECIFICATIONS      TTA-1      OOM

ALL DIMENSIONS ON THIS SHEET IN MILLIMETERS UNLESS OTHERWISE NOTED.      CB-18M