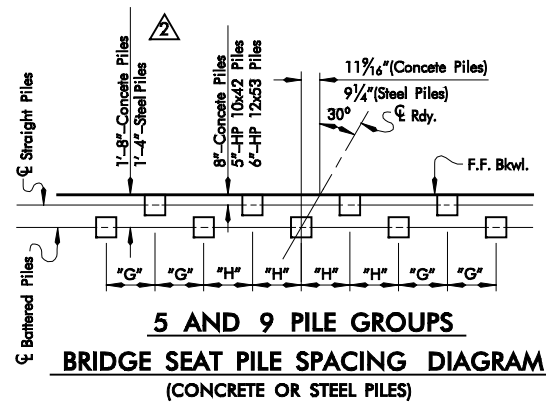
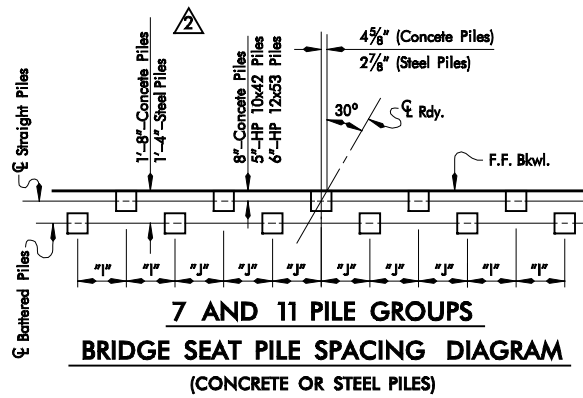
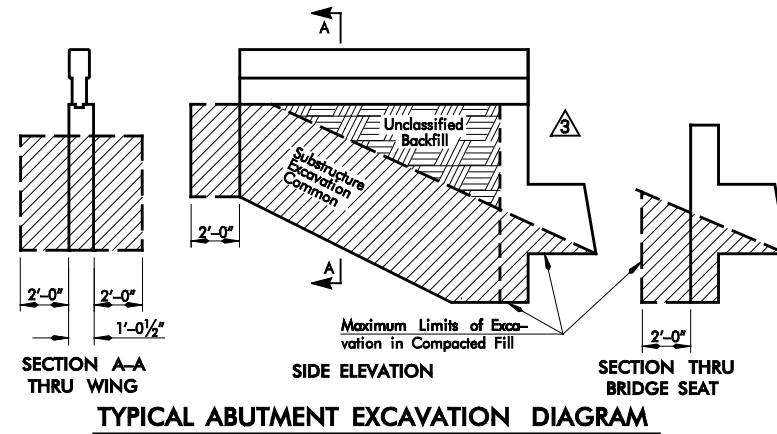


- ① Revise Item 11-4-99
- ② Revise File Diagram 3-23-00
- ③ Revise Excav. Diagram 7-28-00  
Remove Notes
- ④ Revise Pay Item 2-26-01

FOUNDATION PILE AND LOAD SCHEDULE												
SPAN LENGTH	26'-9" ROADWAY						32'-9" ROADWAY					
	CONC. PILES		HP 10 x 42 PILES		HP 12 x 53 PILES		CONC. PILES		HP 10 x 42 PILES		HP 12 x 53 PILES	
	NO. BRIDGE SEAT PILES	AVG. PILE LOAD TON/PILE	NO. BRIDGE SEAT PILES	AVG. PILE LOAD TON/PILE	NO. BRIDGE SEAT PILES	AVG. PILE LOAD TON/PILE	NO. BRIDGE SEAT PILES	AVG. PILE LOAD TON/PILE	NO. BRIDGE SEAT PILES	AVG. PILE LOAD TON/PILE	NO. BRIDGE SEAT PILES	AVG. PILE LOAD TON/PILE
35'	5	29.3	5	29.3	—	—	7	23.3	5	32.4	—	—
40'	7	22.2	5	30.9	—	—	7	24.6	5	34.2	—	—
45'	7	23.4	5	32.5	—	—	7	25.8	5	35.9	—	—
50'	7	24.4	5	34.0	—	—	7	27.1	5	37.7	—	—
55'	7	27.4	5	38.1	—	—	7	30.2	—	—	5	42.1
60'	7	28.4	5	39.6	—	—	9	24.6	—	—	5	43.9
65'	7	29.6	5	41.3	—	—	9	25.6	—	—	5	45.7
70'	9	24.0	—	—	5	42.8	9	26.6	—	—	—	—
75'	9	26.9	—	—	5	48.1	9	29.7	7	38.9	—	—
80'	9	28.0	7	37.4	—	—	11	25.3	7	40.4	—	—
85'	9	28.9	7	38.7	—	—	11	26.1	7	41.7	—	—
90'	9	29.9	7	39.9	—	—	11	27.0	—	—	7	43.1
95'	11	25.4	7	41.1	—	—	11	27.9	—	—	7	44.4
100'	11	26.1	—	—	7	42.4	11	28.8	—	—	7	45.7
105'	11	26.8	—	—	7	43.6	11	29.7	—	—	7	47.1



DIMENSION SCHEDULE				
SPAN LENGTH	"G"	"H"	"I"	"J"
35'	0	7.00'	0	0
40'	0	7.00'	0	4.67'
45'	0	7.00'	0	4.67'
50'	0	7.00'	0	4.67'
55'	0	7.00'	0	4.67'
60'	0	7.00'	0	4.67'
65'	0	7.00'	0	4.67'
70'	①	②	0	0
75'	①	②	0	0
80'	3.50'	3.50'	0	4.67'
85'	3.50'	3.50'	0	4.67'
90'	3.50'	3.50'	0	4.67'
95'	0	0	③	④
100'	0	0	③	④
105'	0	0	③	④
35'	0	9.00'	0	6.00'
40'	0	9.00'	0	6.00'
45'	0	9.00'	0	6.00'
50'	0	9.00'	0	6.00'
55'	0	9.00'	0	6.00'
60'	⑤	⑥	0	0
65'	⑤	⑥	0	0
70'	⑤	⑥	0	0
75'	4.50'	4.50'	0	6.00'
80'	0	0	⑦	⑧
85'	0	0	⑦	⑧
90'	0	0	⑦	⑧
95'	0	0	⑦	⑧
100'	0	0	⑦	⑧
105'	0	0	⑦	⑧

- ① 3.50' for Conc. Piles & 0.00' for Steel Piles
- ② 3.50' for Conc. Piles & 7.00' for Steel Piles
- ③ 2.83' for Conc. Piles & 0.00' for Steel Piles
- ④ 2.83' for Conc. Piles & 4.67' for Steel Piles
- ⑤ 4.50' for Conc. Piles & 0.00' for Steel Piles
- ⑥ 4.50' for Conc. Piles & 9.00' for Steel Piles
- ⑦ 3.50' for Conc. Piles & 0.00' for Steel Piles
- ⑧ 3.50' for Conc. Piles & 6.00' for Steel Piles

**ADJUSTMENTS TO QUANTITIES SHOWN**

**26'-9" ROADWAY**

- Add 2.2 C.Y. Class "A" Concrete when Concrete Piles are used.
- Add 30 Lbs. Reinforcing when Concrete Piles are used.
- Add 3.7 C.Y. Substructure Excavation Common when Concrete Piles are used.
- Add "B2" & "SR5" Reinforcing to quantities shown.

**32'-9" ROADWAY**

- Add 2.4 C.Y. Class "A" Concrete when Concrete Piles are used.
- Add 40 Lbs. Reinforcing when Concrete Piles are used.
- Add 4.0 C.Y. Substructure Excavation Common when Concrete Piles are used.
- Add "B2" & "SR5" Reinforcing to quantities shown.

QUANTITIES - ONE ABUTMENT					
SPAN	CLASS "A" CONC. C.Y.	REINF. STEEL LBS.	SUBSTR. EXC. COM. C.Y.	UNCL. BACKFILL C.Y.	CONC. TRAFFIC RAIL L.F.
35'	27.1	3760	43	34	32
40'	27.1	3760	43	34	32
45'	27.1	3760	43	34	32
50'	27.1	3760	43	34	32
55'	29.2	4050	44	45	32
60'	29.2	4050	44	45	32
65'	29.2	4050	44	45	32
70'	29.2	4050	44	45	32
75'	29.2	4050	44	45	32
80'	31.9	4470	48	57	36
85'	31.9	4470	48	57	36
90'	31.9	4470	48	57	36
95'	31.9	4470	48	57	36
100'	31.9	4470	48	57	36
105'	31.9	4470	48	57	36
35'	30.8	4190	46	43	32
40'	30.8	4190	46	43	32
45'	30.8	4190	46	43	32
50'	30.8	4190	46	43	32
55'	33.0	4500	48	56	32
60'	33.0	4500	48	56	32
65'	33.0	4500	48	56	32
70'	33.0	4500	48	56	32
75'	33.0	4500	48	56	32
80'	35.9	4940	51	71	36
85'	35.9	4940	51	71	36
90'	35.9	4940	51	71	36
95'	35.9	4940	51	71	36
100'	35.9	4940	51	71	36
105'	35.9	4940	51	71	36

NOTE: Quantities are for Abutments with Steel Piles

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

OKLAHOMA DEPT. OF TRANSPORTATION  
 COUNTY BRIDGE STANDARD ( ENGLISH )  
 ABUTMENTS FOR P.C.BEAMS  
 ( SKEWED ) PILE SPACING