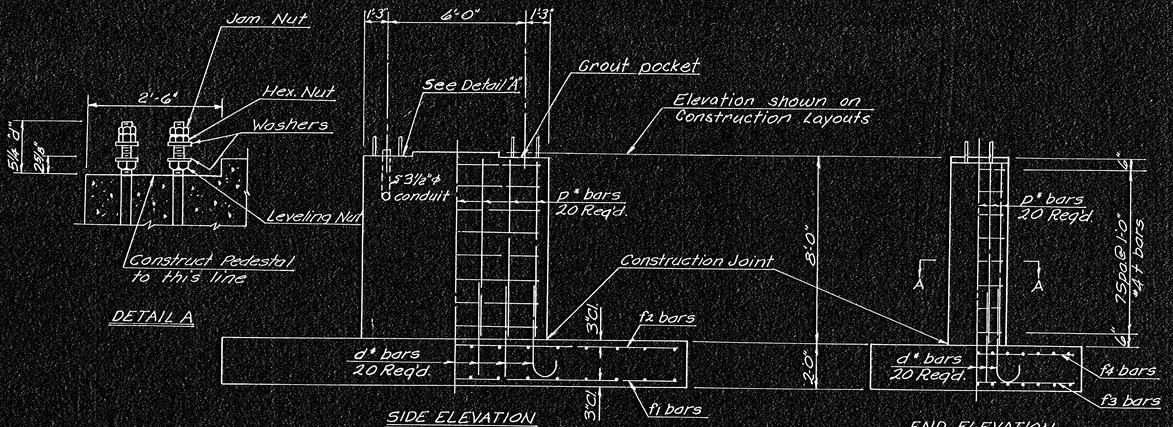
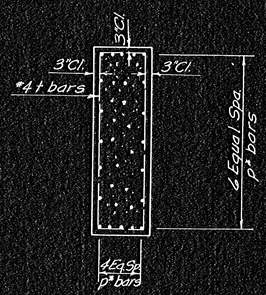
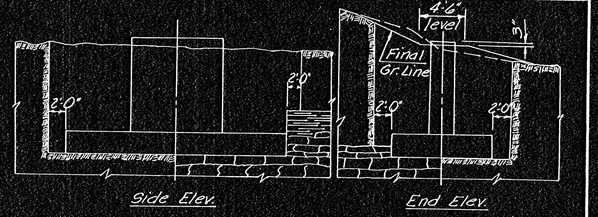
Revised Plans 1-31-77

FHWA REGION NO.	STATE	PROJECT NUMBER	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	35W-87-I 35W-1(33) Ph. III	1976	6384	304



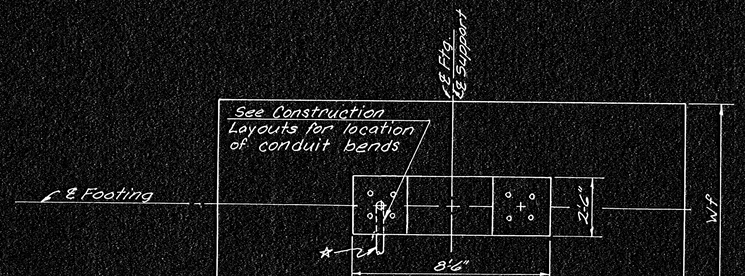


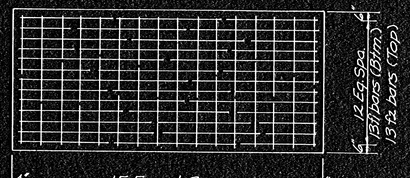


TYPICAL EXCAVATION DETAILS

GENERAL NOTES

LOADING: A.A.S.H.T.O. Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals, 1975 Ed.
CONCRETE: Use Class A Concrete throughout. Bevel all exposed edges with a ¾" triangular moulding.
UNIT STRESSES: $f'c$ = 1,200 p.s.i.; $f'c$ = 3,000 p.s.i.; fs = 20,000 psi.
REINFORCING: All dimensions relative to reinforcing steel are to center line of bar unless otherwise noted.
EXCAVATION: When rock or hard shale is encountered, all excavation below the top of this material shall be to neat lines. See excavation details.
BACKFILL: Backfill material shall be placed in one foot lifts and each lift shall be thoroughly compacted before the next lift is placed.
ANCHOR BOLT ASSEMBLY: Anchor bolts shall conform to K.S.H.C. Standard Specifications Sub-Section 1006.13 and shall be Type II. Angles and plates shall conform to ASTM A 36. Welding shall conform to K.S.H.C. Standard Specifications and the latest edition of the American Welding Society Specifications.





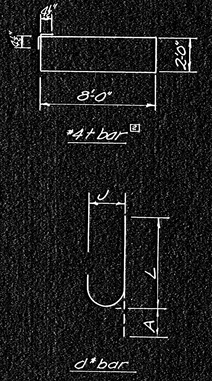
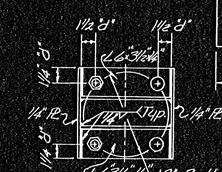
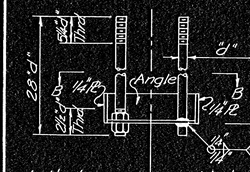


Table for d bars			
Size	A	J	L
#6	8"	6"	3'-9"
#7	10"	7"	4'-0"
#8	11"	8"	4'-3"
#9	1'-3"	11½"	4'-6"
#10	1'-5"	1'-0⅜"	4'-11"
#11	1'-7"	1'-2⅛"	5'-3"

*Note: Contractor may combine d&p bars into one bar.





ANCHOR BOLT ASSEMBLY DETAIL
See Construction Layout sheet for anchor bolt "d".

FOOTING TYPE	DIMENSIONS "Lf"	"Wf"
A	15'-0"	6'-9"
B	16'-0"	7'-3"
C	17'-0"	7'-9"
D	18'-0"	8'-0"
E	19'-0"	8'-6"
F	20'-0"	9'-0"
G	21'-0"	9'-6"
H	22'-0"	10'-0"
I	23'-0"	10'-6"
J	24'-0"	11'-0"

BILL OF REINFORCING

20 d" bars		13 f1 bars		13 f2 bars		16 f3 bars		16 f4 bars		20 p" bars		ⓐ8 t bars			SUMMARY OF QUANTITIES		
Size	Lgth.	Size	Lgth.	Size	Lgth.	Size	Lgth.	Size	Lgth.	Size	Lgth.	Size	Lgth.		ⓑClass III Excavation Cu.Yds.	Class A Concrete Cu.Yds.	Reinf. Steel Lbs.
#6	4'-5"	#4	14'-6"	#4	14'-6"	#4	6'-3"	#4	6'-3"	#6	7'-9"	#4	20'-9		72	13.8	860
#6	4'-5"	#4	15'-6"	#4	15'-6"	#4	6'-9"	#4	6'-9"	#6	7'-9"	#4	20'-9		79	14.9	890
#7	4'-10"	#4	16'-6"	#4	16'-6"	#4	7'-3"	#4	7'-3"	#7	7'-9"	#4	20'-9		87	16.1	1065
#7	4'-10"	#4	17'-6"	#4	17'-6"	#4	7'-6"	#4	7'-6"	#7	7'-9"	#4	20'-9		93	17.0	1090
#8	5'-2"	#5	18'-6"	#5	18'-6"	#4	8'-0"	#4	8'-0"	#8	7'-9"	#4	20'-9		101	18.3	11470
#8	5'-2"	#6	19'-6"	#6	19'-6"	#4	8'-6"	#4	8'-6"	#8	7'-9"	#4	20'-9		110	19.6	1143
#9	5'-9"	#6	20'-6"	#6	20'-6"	#5	9'-0"	#5	9'-0"	#9	7'-9"	#4	20'-9		119	21.1	2130
#9	5'-9"	#7	21'-6"	#7	21'-6"	#5	9'-6"	#5	9'-6"	#9	7'-9"	#4	20'-9		128	22.6	2485
#10	6'-4"	#7	22'-6"	#7	22'-6"	#6	10'-0"	#6	10'-0"	#10	7'-9"	#4	20'-9		138	24.2	2993
#11	6'-10"	#8	23'-6"	#8	23'-6"	#6	10'-6"	#6	10'-6"	#11	7'-9"	#4	20'-9		148	25.9	3795

ⓑApprox. Excavation for loose material.

See Construction Layout Sheet for Footing Type

NO.	DATE	REVISIONS	BY	APP'D
3	3-76	Rev. for split contract at Pig's Eye	LES	EEW
2	9-5-73	Rev. stirrup hook dimension	LES	EEW
1	7-18-73	Rev. to conform to 1973 Std. Spec.	LES	EEW

DEPARTMENT OF TRANSPORTATION-KANSAS
STANDARD STRUCTURAL SIGN SUPPORTS
SPAN TYPE OVERHEAD
FOOTING DETAILS

8-75

SHEET NO. 2 OF 2	SCALE		APP'D
DESIGNED KFH	DETAILED KFH	QUANTITIES KFH	TRACED RBA
DESIGN CK. LES	DETAIL CK. LES	QUAN. CK. LES	TRACE CK. RFM