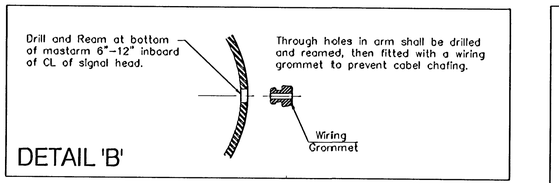
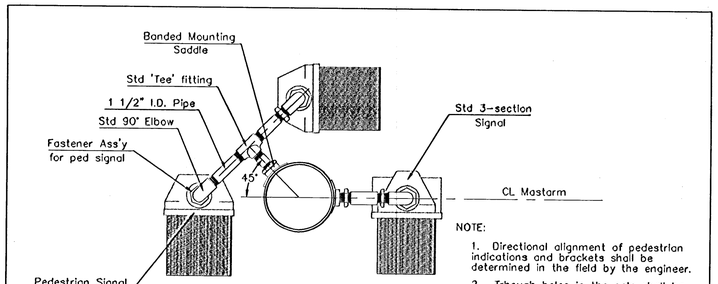
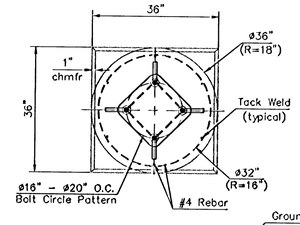
FHWA REGION NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87 N-0303-01	2003	88	143



DETAIL 'B'



DETAIL 'D' - Signal Mounting Bracket Assembly



DETAIL 'D'

NOTE:
Use standard sign mounting brackets per City of Wichita specifications as necessary to mount signing to pole/mastarm, typically.

DETAIL 'C' - Standard (overhead) Signing

Pole base shown is for information only. Optional bases that may be purchased may vary in actual appearance in accordance with manufacturing company's specifications

(**) The back rake for pole is as follows:
1" back rake (1/4 bubble) for mastarms 40' and under
1 1/2" back rake (1/3 bubble) for mastarms over 40'

(***) The rake for pole base is as follows:
2% back rake (1/4 bubble) for mastarms 40' and under
2.6% back rake (1/3 bubble) for mastarms over 40'

Pedestrian Pushbutton and Sign Unit Detail

(*) Height of Pedestrian pushbutton assembly is determined as 36" from the sidewalk finish grade to the center of the pedestrian pushbutton.

2. Install pushbutton underneath corresponding pedestrian signal head on the side of pole nearest crosswalk.

3. The word messasge on the Pushbutton assembly is to be cast with the housing as one unit.

R10-4b
9" X 12"

Contractor shall install R10–4b for each ped. push–button.

NOTES FOR DETAIL 'A':

1. The anchor bolts for the signal pole shall be tack welded together in a 16" or 20" diameter bolt pattern (on center as is shown) to maintain the required bolt circle pattern and to aid in vertical positioning while the reinforced concrete base is being poured.

2. Use anti–seize compound on all threads.

3. The 12' 0" x 5/8" ground rod is to be positioned in place PRIOR TO pouring the reinforced concrete base.

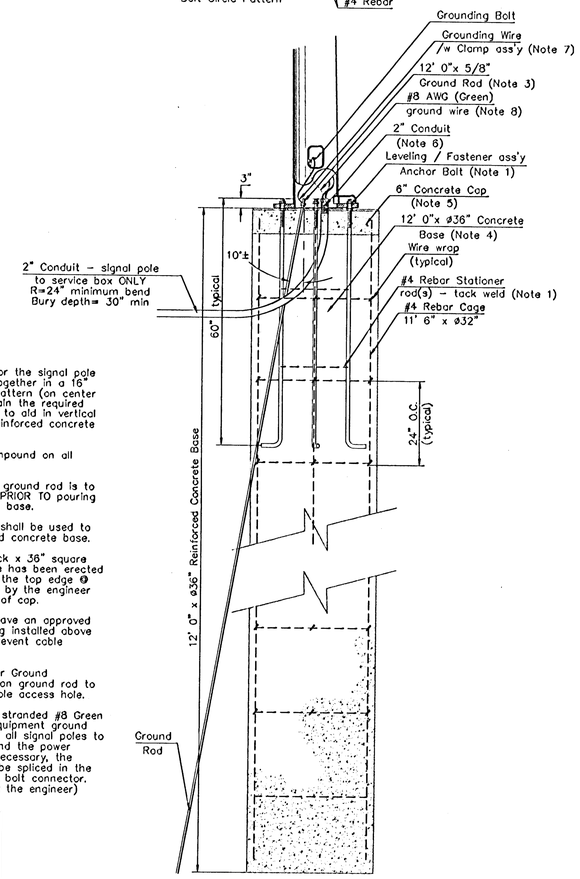
4. Class 'A' concrete shall be used to construct the reinforced concrete base.

5. Construct a 6" thick x 36" square concrete cap after pole has been erected and plumbed. Chamfer the top edge @ 1". Subject to approval by the engineer PRIOR TO construction of cap.

6. All conduits shall have an approved plastic or metal bushing installed above the base @ 3" ± to prevent cable chafing.

7. Use #6 Bare Copper Ground Conductor from clamp on ground rod to ground bolt in signal pole access hole.

8. A single conductor stranded #8 Green Wire shall carry the equipment ground from the ground lug of all signal poles to the controller cabnet and the power disconnect box. When necessary, the equipment ground can be spliced in the service box with a split bolt connector. (Subject to approval by the engineer)



DETAIL 'A' - Reinforced Concrete Pole Base

PROJECT NUMBER			SHEET NAME	ENGINEERING DIRECTORY	
472-83902			POLEDTL	F:\Hydraulic_phs2\details	
DESIGN	DRAWN	APPROVED	DATE	SCALE	BAUGHMAN NO
STAFF	STAFF	JFB	March 04	None	99-09-E451

CITY OF WICHITA
SIGNAL POLE DETAILS
HYDRAULIC AVENUE PAVING - 57th STREET SOUTH TO 47th STREET SOUTH

BAUGHMAN COMPANY, P.A.
ENGINEERING, SURVEYING, & PLANNING
316-262-7271 • 315 ELLIS • WICHITA, KANSAS 67211

SHEET 88 OF 143