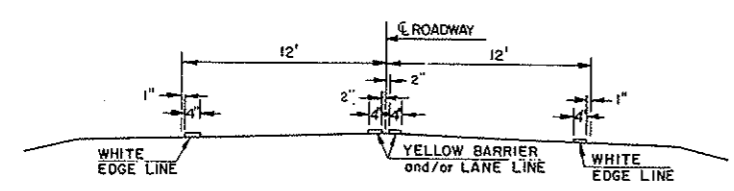
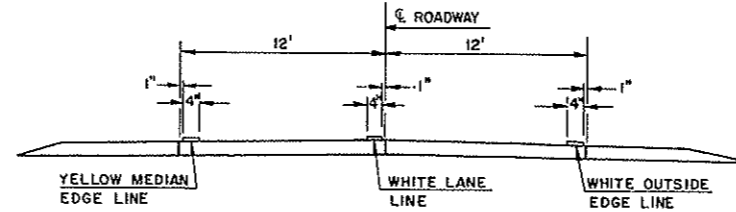


PAVEMENT MARKING

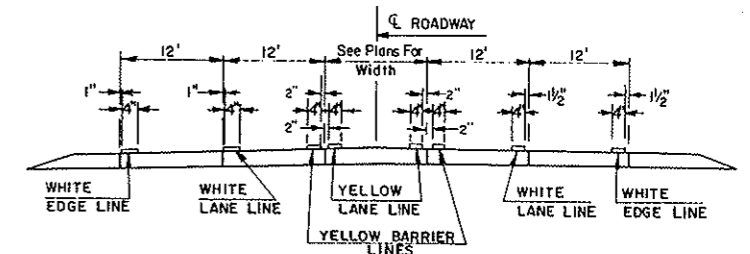
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8	N.D.		D-762-4



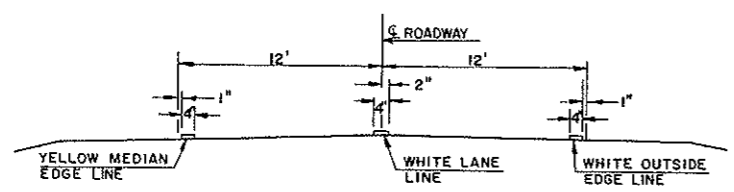
TWO LANE TWO WAY
RURAL ROADWAY



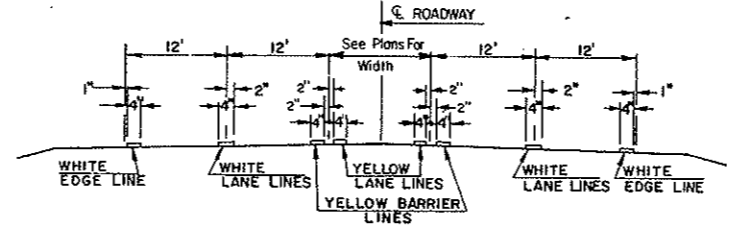
TWO LANE ROADWAY
INTERSTATE HIGHWAY
CONCRETE SECTION



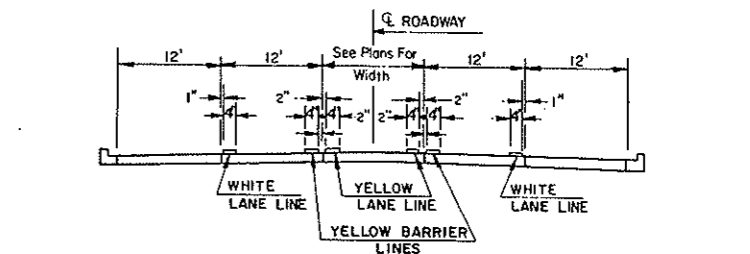
RURAL FIVE LANE ROADWAY
CONCRETE SECTION



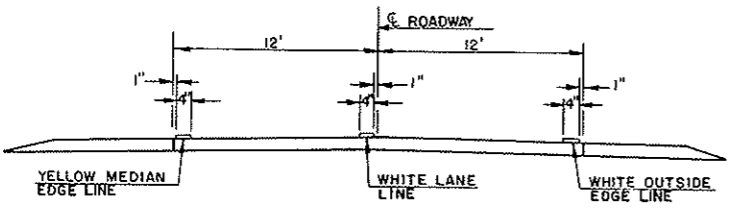
TWO LANE DIVIDED
RURAL ROADWAY
PRIMARY HIGHWAY
ASPHALT SECTION



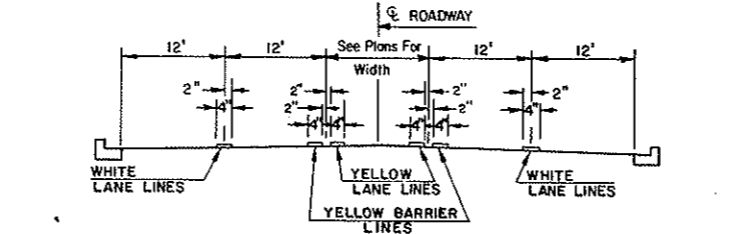
RURAL FIVE LANE ROADWAY
ASPHALT SECTION



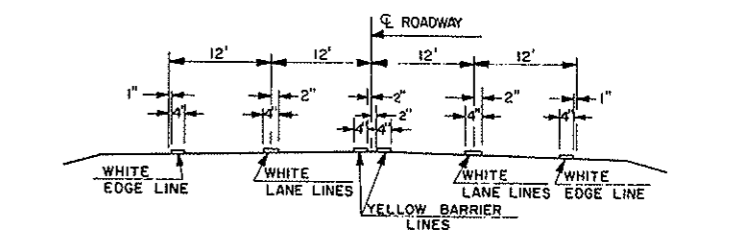
URBAN FIVE LANE SECTION
CONCRETE SECTION



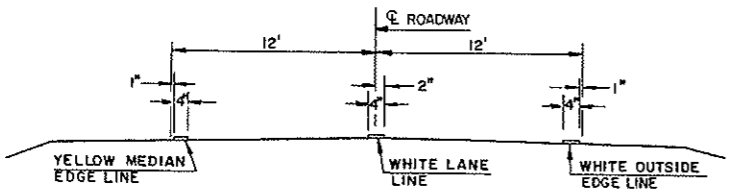
TWO LANE ROADWAY
PRIMARY HIGHWAY
CONCRETE SECTION



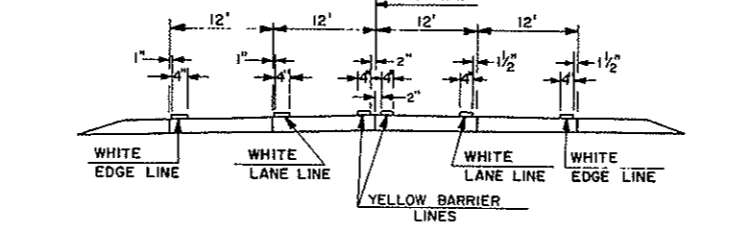
URBAN FIVE LANE SECTION
ASPHALT SECTION



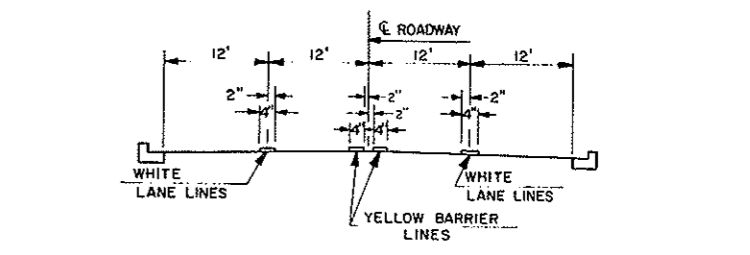
RURAL FOUR LANE ROADWAY
ASPHALT SECTION



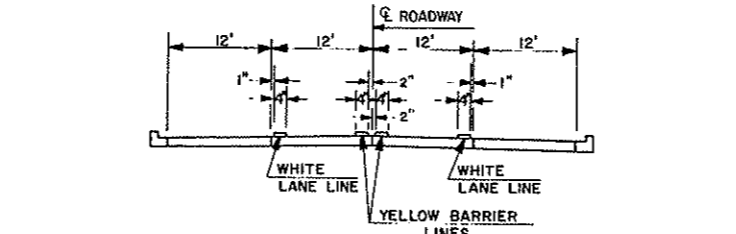
TWO LANE ROADWAY
INTERSTATE HIGHWAY
ASPHALT SECTION



RURAL FOUR LANE ROADWAY
CONCRETE SECTION



URBAN FOUR LANE SECTION
ASPHALT SECTION

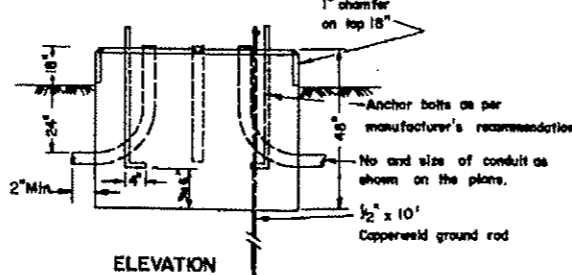
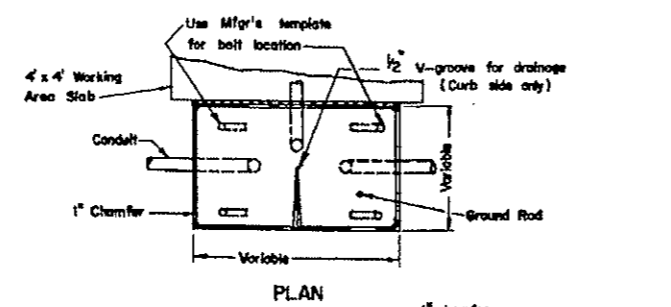


URBAN FOUR LANE SECTION
CONCRETE SECTION

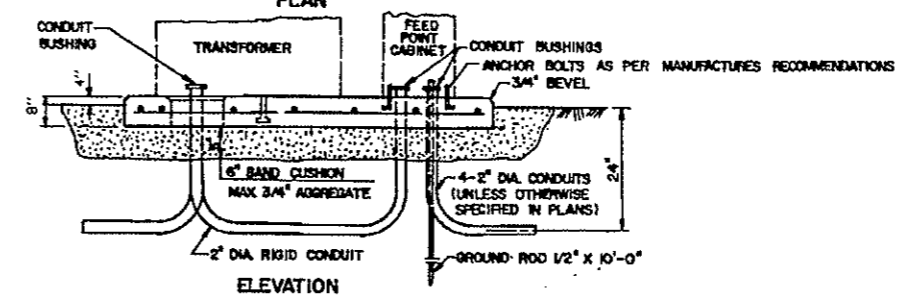
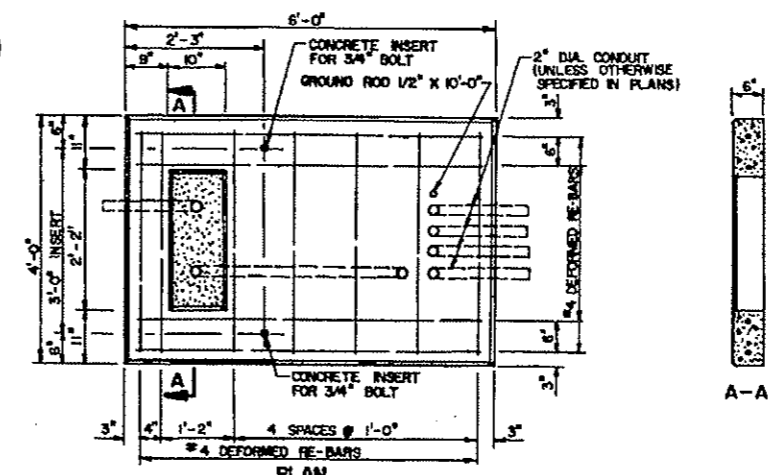
10-1-86		NORTH DAKOTA STATE HIGHWAY DEPARTMENT
REVISIONS		
DATE	CHANGE	APPROVED: <i>David K. Olson</i> DESIGN ENGINEER
3-1-88	Edge Line	
8-1-94	GEN. REV.	

LIGHT & SIGNAL STANDARD FOUNDATION SELECTION TABLE				
Description	Reinforcing Bars Required	Footing Depth 24" Diameter	Reinforcing Bars Required	Footing Depth 36" Diameter
Light Standard				
30'-36" Mounting Height	8-#5	6'	8-#4	5'
36'-44" Mounting Height	8-#5	6'	8-#4	5'
45'-50" Mounting Height	8-#5	8'	8-#4	7'
Combination 30' Mounting Height				
0-25' Signal Mast Arm	8-#6	10'	8-#5	8'
26'-44' Signal Mast Arm	8-#6	10'	8-#5	8'
45'-50' Signal Mast Arm	8-#8	11'	8-#7	9'
Combination 40' Mounting Height				
0-25' Signal Mast Arm	8-#6	10'	8-#5	8'
26'-44' Signal Mast Arm	8-#7	11'	8-#5	9'
45'-50' Signal Mast Arm	8-#8	12'	8-#7	10'
Combination 50' Mounting Height				
0-25' Signal Mast Arm	8-#6	10'	8-#5	9'
26'-44' Signal Mast Arm	8-#6	12'	8-#7	10'
45'-50' Signal Mast Arm	8-#8	13'	8-#7	11'
Type IV Signal Standard				
Type I, II, III, V, VI, & VII Signal Std.	8-#7	10'	8-#6	9'
Type I, II, III, V, VI, & VII Signal Std.	4-#5	4'	4-#5	3'

CONCRETE FOUNDATIONS (TRAFFIC SIGNALS & HIGHWAY LIGHTING)



CONTROLLER CABINET FOUNDATION PAD MOUNT
The Controller Cabinet Foundation shall be bid as Concrete Foundations-Traffic Signals.



TRANSFORMER & FEED POINT CABINET FOUNDATION PAD MOUNT
The Transformer & Feed Point Cabinet Foundation Pad Mount shall be bid as Concrete Foundations-Feed Point Pad-Type A

NOTES:

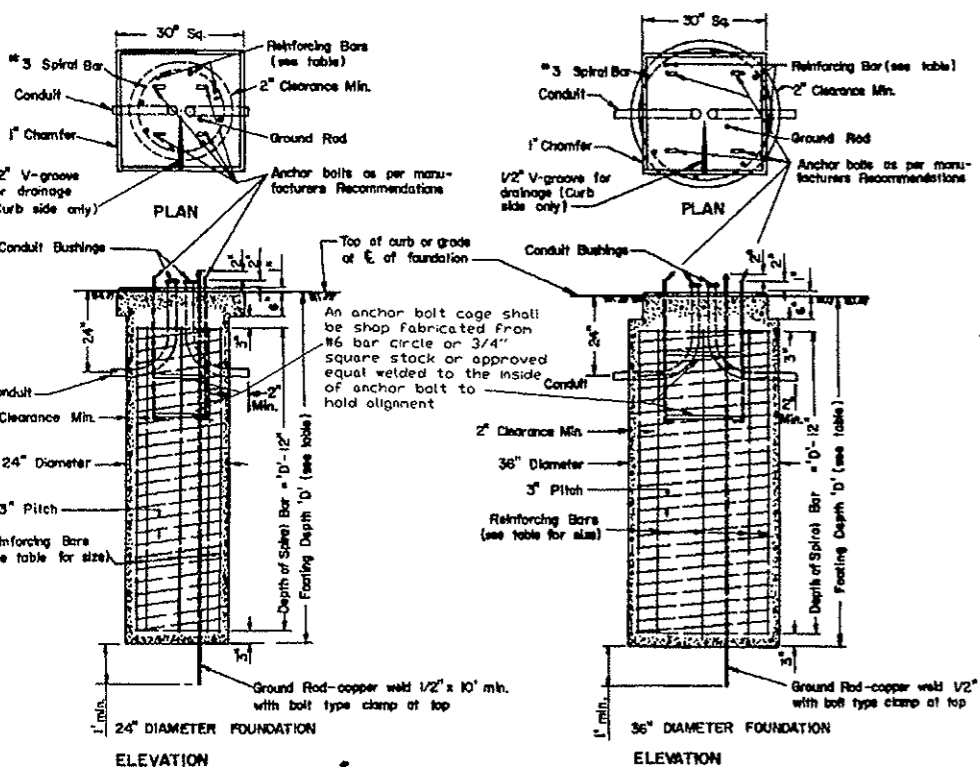
Light & Signal Standard Foundations:
See plans for conduit size, number of bends and correct positioning for each foundation.
When conduit does not continue beyond the foundation, conduit with a 105° bend and bushings on both ends may be substituted for the 90° bends shown.
See plans for correct location of foundations. The grade and exact location shall be established by the Engineer in the field.
Maximum anchor bolt circle for the 24" foundation shall not exceed 18". Maximum anchor bolt circle for the 36" foundation shall not exceed 30".

Pad Mounted Signal Control Cabinet Foundation:
See plans for the number of 90° bends per foundation and correct positioning.
Foundation for Pad Mounted Signal Control Cabinets shall be of sufficient size so that there is a minimum of 3" of clearance from the outside edge of cabinet to the outside edge of the foundation on any side. The Contractor shall insure a watertight seal between the control cabinet and the foundation by caulking, except for V grooves.

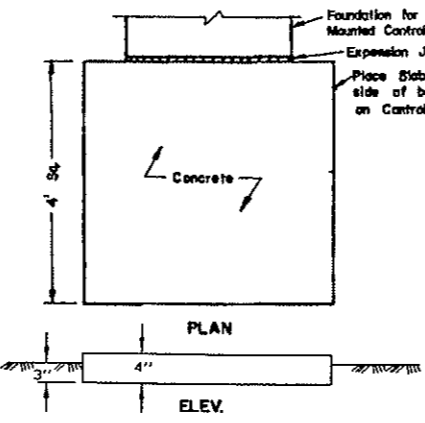
Working Area Slab:
The materials and preparation of this slab shall be as approved by the Engineer in the field.

Transformer & Feed Point Cabinet Foundation Pad Mounted:
Foundation shall have a wood float finish.
All conduits shown shall be installed. Conduit that is not used at this time shall be plugged.

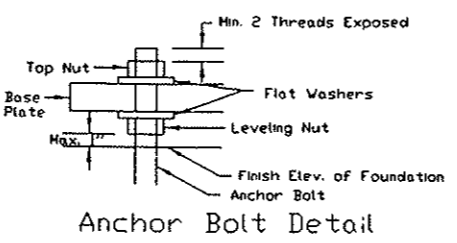
Feed Point Cabinet Foundation Pad Mounted:
Foundation shall have wood float finish.
All conduits shown shall be installed. Conduit that is not used at this time shall be plugged.



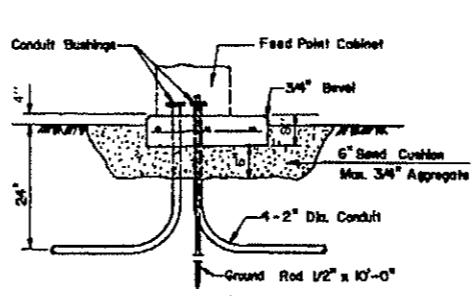
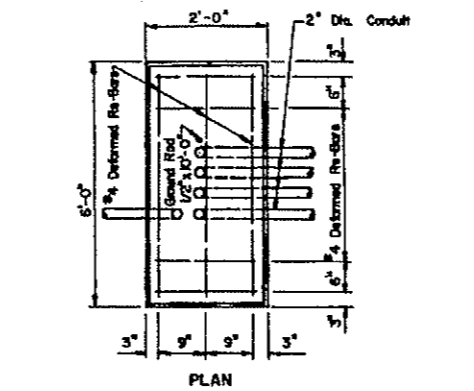
LIGHT & SIGNAL STANDARD FOUNDATION



WORKING AREA SLAB
The Working Area Slab shall be installed where shown on the plans, and shall not be bid separately but shall be included in the price bid for Concrete Foundations-Traffic Signals.



Anchor Bolt Detail



FEED POINT CABINET FOUNDATION PAD MOUNT
The Feed Point Cabinet Foundation Pad Mount shall be bid as Concrete Foundations-Feed Point Pad-Type B

10-1-86 REVISIONS	
DATE	CHANGE
5-5-92	Lt. Std. Mounting Ht.
6-16-94	Anchor Bolts & Leveling Nuts
10-10-94	Slab Revision
6-14-95	Footnote ① Revision
1-31-97	Foundation Depth

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION
APPROVED: *David R. Larson*
DESIGN ENGINEER