TYPICAL CABINET INTERSECTION LAYOUT

1. 3' x 3' x 4' SIDEWALK (SEE DETAIL)
2. 3342 STYLE ICONS CABINET LOCATION
3. RURAL LIGHTING/FLASHER SERVICE CABINET
4. GROUND ROD
5. 4" CONDUIT TO HANDHOLE 1 (WITH IVORIES/DETECTOR CABLES)
6. "2" CONDUIT BETWEEN SERVICE CABINET AND ICONS CABINET (WITH SERVICE CABLES)
7. 2" CONDUIT FROM SERVICE CABINET TO SOURCE OF POWER (WITH 3/16" BUNDLED CABLE)
8. 2" CONDUIT FROM SERVICE CABINET TO HANDHOLE 1 (WITH STREET LIGHTING CABLES)

NOTES:
1. THE ANCHOR RODS, NUTS AND WASHERS FOR THE STATE FURNISHED ICM CABINET AND CONTROLLER SHALL BE FURNISHED BY THE CONTRACTOR.
2. THE ANCHOR RODS, NUTS AND WASHERS FOR THE CONTRACTOR FURNISHED SERVICE CABINETS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
3. THE OUTER EDGE OF THE ENTIRE EQUIPMENT PAD AND CONCRETE WALK SHALL BE BEVELED OR CHAMFERED IN A NEAT MANNER AS DIRECTED BY THE ENGINEER.
4. THE TOP OF THE CONDUITS SHALL BE THREADED AND CAPPED AFTER INSTALLATION (UNTIL CABLES ARE PLUGGED IN).
5. CONDUIT SHALL PROJECT A MINIMUM OF 2" ABOVE THE CONCRETE AND SHALL BE LOCATED INSIDE THE CABINET WHERE DIRECTED BY THE ENGINEER, BUT SHALL NOT INTERFERE WITH THE CABINET FUNCTIONS (SUPPORTING MEMBERS, ETC.).
6. CONCRETE MIX 3A32 OR EQUAL SHALL BE USED FOR EQUIPMENT PAD AND SIDEWALK.
7. CONDUITS WITH BOTH ENDS TERMINATING WITHIN THE PAD SHALL NOT BE PLACED BELOW THE CONCRETE.
8. THE EXACT LOCATION OF CONDUITS WITHIN THE PAD SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.
9. ANCHOR RODS SHALL PROJECT A MINIMUM OF 3" ABOVE THE CONCRETE BUT SHALL NOT INTERFERE WITH THE CABINET FUNCTIONS (SUPPORTING MEMBERS, ETC.).
10. CABINETS TO BE CENTERED (LEFT & RIGHT) ON THE PAD.
11. BRUSH ON ANTI-SEIZE LUBRICANT MUST BE APPLIED TO ALL ANCHOR ROD THREADS PROTRUSING ABOVE THE CONCRETE PAD BEFORE THE CABINETS ARE SET.

TYPICAL 334 SERIES + DM SERIES FOUNDATION WITH SERVICE CABINET
FLASHING BEACON SYSTEMS "A-E"
BACK VIEW

1/2" ANODIZED ALUMINUM
(CLAMP TO U-CHANNEL POSTS
AND ATTACH TO BOTTOM
OF FLASHER HOUSINGS)

ENTERING
TRAFFIC
WHEN FLASHING

1-CONDUIT
1-4" C/T
TO HANDHOLE

METAL JUNCTION BOX-CLAMP OR
BOLT TO U-POST

1/2" N.M.C.-CLAMP
TO U-POST AT 1
FOOT INTERVALS &
EXTEND TO BOTH
JUNCTION BOX AND HANDHOLE

3/4" FLEXIBLE
CONDUIT-STRAP
TO U-POST AND
CONNECT TO
CONDUIT COUPLING

1 WAY, 12" YELLOW LED
FLASHING BEACON

MIN. GAP 12" FROM BOTTOM OF FLASHER TO SIGN

CUT AWAY VISOR &
BACKGROUND SHIELD

FRONT VIEW

ONE WAY, 12" YELLOW LED
FLASHING BEACON

MIN. GAP 12" FROM BOTTOM OF FLASHER TO SIGN

CUT AWAY VISOR &
BACKGROUND SHIELD

NOTES:
1. WITHOUT PAVED SHOULDER, EDGE OF SIGN SHALL BE 12" - 18" FROM EDGE OF DRIVING LANE.
2. CONTRACTOR SHALL MEET BOTH MINIMUM REQUIRED MOUNTING HEIGHTS WITH THE SHORTEST U-CHANNEL POSTS POSSIBLE OR AS DIRECTED BY THE ENGINEER.

FILE NO.
MMID 120777

FLashing Beacon Systems "A-B"
Advance Sign Installation Details
BACK VIEW

1 1/2" ANODIZED ALUMINUM CLAMP TO SIGN POSTS AND ATTACK TO BOTTOM OF FLASHER HOUSINGS)

T-CONDUIT PIPE COUPLING (ATTACH TO FLASHER HOUSING, 1 1/2" PIPE AND TO 3/4" FLEXIBLE CONDUIT)

3/4" FLEXIBLE CONDUIT-EXTEND FROM JUNCTION BOX TO BLANK OUT SIGN HOUSING

METAL JUNCTION BOX-CLAMP OR BOLT TO SIGN POST

1" N/M/C-CLAMP TO SIGN POST AT 1 FOOT INTERVALS & EXTEND TO BOTH JUNCTION BOX AND TO HANDHOLE

1" CONDUIT
1-6/C #14 AND 1-3/C #14 TO HANDHOLE

FRONT VIEW

ONE WAY, 12 INCH YELLOW LED FLASHING BEACON

CUT AWAY VISOR AND BACKGROUND SHIELD

MIN. GAP 12" FROM BOTTOM OF FLASHER TO SIGN

FROM PAVED SHOULDER OR AS DIRECTED BY THE ENGINEER

TERM 13P (30"x24") BLANKOUT SIGN PANEL

NOTES:

1. WITHOUT PAVED SHOULDER, EDGE OF SIGN SHALL BE 12" - 0" FROM EDGE OF DRIVING LANE.

2. CONTRACTOR SHALL MEET BOTH MINIMUM REQUIRED MOUNTING HEIGHTS WITH THE SHORTEST SQUARE TUBE POSTS POSSIBLE OR AS DIRECTED BY THE ENGINEER.
NOTE: THIS PLAN SHEET IS THE SAME AS SHEET 15, EXCEPT THAT PLAN HAS BEEN ENLARGED TO SHOW INTERSECTION IN GREATER DETAIL.
LEGEND OF SYMBOLS
FLASHER SIGN NO.
FLASHER AND SIGN POST
SINGLE BEACON ADVANCE INSTALLATION
DOUBLE BEACON INTERSECTION INSTALLATION
HANDHOLE
F & I CONDUIT SIZE AS NOTED
PVC LOOP DETECTOR SIZE AS NOTED
CANOGA 702 C-CANOGA DETECTORS
CABINET, CONTROLLER, AND SERVICE CABINET
SOURCE OF POWER/INFLAME
FLASHER FACE NO.

ABBREVIATIONS
02-1 (L-w-p) DETECTOR (PHASE 2, NO.1)
F & I FURNISH AND INSTALL
GRD GROUND
H-H HANDHOLE
LED LIGHT EMITTING DIODE
LUM LUMINARIAE
PVC POLYVINYL CHLORIDE (CONDUIT)
SAP SOURCE OF POWER

FA 1 2-3 18/FT U-CHANNEL POSTS AT 30' SPACING
WITH I-3 LEAF/FT U-CHANNEL KNEE BRACE
W/30" H CENTERING TRAFFIC/14" E - 45° AND
6'8" H CENTERING TRAFFIC/11'2" E - 24° STATIC
3/4" LED YELLOW FLASHER WITH HOUSING, VESPA,
AND BACKING SHEET METAL TO ADOBE
(SEE OF "ENTERING TRAFFIC" SIGN ON STANDARD
EXCEPT TO H-H.9)
1" CONDUCT
1/2"-3/4" FLASHER

FA 3 2-3 18/FT U-CHANNEL POSTS AT 30' SPACING
WITH I-3 LEAF/FT U-CHANNEL KNEE BRACE
W/30" H CENTERING TRAFFIC/14" E - 45° AND
6'8" H CENTERING TRAFFIC/11'2" E - 24° STATIC
3/4" LED YELLOW FLASHER WITH HOUSING, VESPA,
AND BACKING SHEET METAL TO ADOBE
(SEE OF "ENTERING TRAFFIC" SIGN ON STANDARD
EXCEPT TO H-H.9)
1" CONDUCT
1/2"-3/4" FLASHER

NOTES:
1. THE EXACT LOCATION OF HANDHOLES, FLASHERS/SIGNS,
LIGHTING, DETECTORS, AND CABINET PAD SHALL BE
FIELD VERIFIED BY THE ENGINEER AND MODOT DISTRICT
TRAFFIC PERSONNEL.
2. SEE SPECIAL PROVISIONS FOR STATE FURNISHED MATERIALS.
3. COORDINATE SERVICE CONNECTION WITH MINNESOTA POWER
AND WITH ENGINEER, THE CONTRACTOR IS RESPONSIBLE FOR
COORDINATING THE CONNECTION OF THE POWER FOR THE NEW
FLASHER SYSTEM.
4. SEE DETAILS FOR FURTHER INFORMATION REGARDING FLASHER
INSTALLATIONS.
5. THIS PLAN SPECIFIES CONDUIT SIZES, TYPES, AND GENERAL
LOCATIONS. THE EXACT LOCATIONS WILL BE DETERMINED IN
THE FIELD CONDUITS UNDER EXISTING RUNWAYS AND
GUTTERS WILL REQUIRE BORING.
6. CONTRACTOR SHALL MAINTAIN 100 FOOT SPACING BETWEEN
NEW SIGNS AND EXISTING SIGNS ON MAJOR ROADWAY, UNLESS
OTHERWISE DIRECTED BY ENGINEER.
7. DEVICES SHALL BE FURNISHED AND INSTALLED AT DISTANCES
LISTED FROM THE INTERSECTION.
8. SIGNS SHALL BE FURNISHED AND INSTALLED AT A MINIMUM
7-FOOT MOUNTING HEIGHT. SEE MODOT TRAFFIC ENGINEERING
MANUAL FOR TYPICAL MOUNTING AND SIGN PLACEMENT.
9. NEW HANDHOLES TO BE FURNISHED AND INSTALLED BY THE
CONTRACTOR. ALSO APPROVED/QUALIFIED PRODUCTS LIST, MAXIMUM SPACING
OF HANDHOLES ALLOWED IS 400 FEET.
10. ALL NEW CONDUIT SHALL BE PVC-SCHEDULE 80 OR HDPE
SCHEDULE 80 AS SHOWN IN THE PLAN.
11. ALL ITEMS ARE FURNISH AND INSTALL UNLESS OTHERWISE NOTED.
**SAVAGE SIGN TYPE C**

**INSTALL SIGN TYPE C**

<table>
<thead>
<tr>
<th>SIGN NO.</th>
<th>TOTAL QUANTITY</th>
<th>POSTS</th>
<th>PANEL PANEL LEGEND</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-201</td>
<td></td>
<td></td>
<td>24 x 24 SYSTEM &quot;A&quot;</td>
</tr>
<tr>
<td>C-202</td>
<td></td>
<td></td>
<td>24 x 24 SYSTEM &quot;A&quot;</td>
</tr>
<tr>
<td>C-203</td>
<td></td>
<td></td>
<td>24 x 24 SYSTEM &quot;B&quot;</td>
</tr>
<tr>
<td>C-204</td>
<td></td>
<td></td>
<td>24 x 24 SYSTEM &quot;B&quot;</td>
</tr>
<tr>
<td>C-205</td>
<td></td>
<td></td>
<td>24 x 24 SYSTEM &quot;B&quot;</td>
</tr>
<tr>
<td>C-206</td>
<td></td>
<td></td>
<td>24 x 24 SYSTEM &quot;B&quot;</td>
</tr>
<tr>
<td>C-207</td>
<td></td>
<td></td>
<td>24 x 24 SYSTEM &quot;C&quot;</td>
</tr>
<tr>
<td>C-208</td>
<td></td>
<td></td>
<td>24 x 24 SYSTEM &quot;D&quot;</td>
</tr>
<tr>
<td>C-209</td>
<td></td>
<td></td>
<td>24 x 24 SYSTEM &quot;E&quot;</td>
</tr>
<tr>
<td>C-210</td>
<td></td>
<td></td>
<td>24 x 24 SYSTEM &quot;E&quot;</td>
</tr>
<tr>
<td>C-211</td>
<td></td>
<td></td>
<td>24 x 24 SYSTEM &quot;E&quot;</td>
</tr>
<tr>
<td>C-212</td>
<td></td>
<td></td>
<td>24 x 24 SYSTEM &quot;E&quot;</td>
</tr>
<tr>
<td>C-213</td>
<td></td>
<td></td>
<td>24 x 24 SYSTEM &quot;E&quot;</td>
</tr>
</tbody>
</table>

**GENERAL FURNISH & INSTALL SIGN TYPE C NOTES:**
1. POST LENGTHS ARE APPROXIMATE AND INCLUDE EMBEDMENT, BUT DO NOT INCLUDE ADDITIONAL LENGTH REQUIRED FOR SPlice.
2. SEE SHEETS 36-40 FOR STRUCTURAL DETAILS.
3. SEE STANDARD SIGN MANUAL FOR PUNCHED CODE AND DETAILED DRAWINGS OF TYPE C SIGN PANELS.

**SPECIFIC FURNISH & INSTALL SIGN TYPE C NOTES:**
1) MOUNTING HEIGHT IS MINIMUM (WITH A 6 INCH TOLERANCE) SEE SHEET NO. 41 FOR TYPICAL MOUNTING.

**Salvage Sign Type D**

**INSTALL SIGN TYPE D**

<table>
<thead>
<tr>
<th>SIGN NO.</th>
<th>TOTAL QUANTITY</th>
<th>POSTS</th>
<th>PANEL PANEL LEGEND</th>
</tr>
</thead>
<tbody>
<tr>
<td>D-201</td>
<td></td>
<td></td>
<td>24 x 24 SYSTEM &quot;A&quot;</td>
</tr>
<tr>
<td>D-202</td>
<td></td>
<td></td>
<td>24 x 24 SYSTEM &quot;B&quot;</td>
</tr>
<tr>
<td>D-203</td>
<td></td>
<td></td>
<td>24 x 24 SYSTEM &quot;B&quot;</td>
</tr>
<tr>
<td>D-204</td>
<td></td>
<td></td>
<td>24 x 24 SYSTEM &quot;B&quot;</td>
</tr>
<tr>
<td>D-205</td>
<td></td>
<td></td>
<td>24 x 24 SYSTEM &quot;B&quot;</td>
</tr>
<tr>
<td>D-206</td>
<td></td>
<td></td>
<td>24 x 24 SYSTEM &quot;B&quot;</td>
</tr>
<tr>
<td>D-207</td>
<td></td>
<td></td>
<td>24 x 24 SYSTEM &quot;B&quot;</td>
</tr>
<tr>
<td>D-208</td>
<td></td>
<td></td>
<td>24 x 24 SYSTEM &quot;B&quot;</td>
</tr>
<tr>
<td>D-209</td>
<td></td>
<td></td>
<td>24 x 24 SYSTEM &quot;B&quot;</td>
</tr>
<tr>
<td>D-210</td>
<td></td>
<td></td>
<td>24 x 24 SYSTEM &quot;B&quot;</td>
</tr>
<tr>
<td>D-211</td>
<td></td>
<td></td>
<td>24 x 24 SYSTEM &quot;B&quot;</td>
</tr>
</tbody>
</table>

**GENERAL FURNISH & INSTALL SIGN TYPE D NOTES:**
1. POST LENGTHS ARE APPROXIMATE AND INCLUDE EMBEDMENT, BUT DO NOT INCLUDE ADDITIONAL LENGTH REQUIRED FOR SPlice.
2. SEE SHEETS 36-40 FOR STRUCTURAL DETAILS.
3. SEE STANDARD SIGN MANUAL FOR TYPICAL B MOUNTING AND PANEL DETAIL.
4. FOR ALL SALVAGE AND INSTALLED SIGN PANELS, PROVIDE NEW POSTS AND MOUNTING HARDWARE (MOUNTING AND DISPOSE OF OLD POSTS AND MOUNTING HARDWARE).

**SPECIFIC SALVAGE & INSTALL SIGN TYPE D NOTES:**
1) MOUNTING HEIGHT IS MINIMUM (WITH A 6 INCH TOLERANCE) SEE SHEET NO. 41 FOR TYPICAL MOUNTING.
2) SIZE AND SPACING ARE APPROXIMATE.
3) MOUNT ON SAME SIDE POST AS SIGN C-206.

**REMOVE SIGN TYPE C**

<table>
<thead>
<tr>
<th>SIGN NO.</th>
<th>TOTAL QUANTITY</th>
<th>POSTS</th>
<th>PANEL PANEL LEGEND</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-101</td>
<td></td>
<td></td>
<td>24 x 24 SYSTEM &quot;C&quot;</td>
</tr>
<tr>
<td>C-102</td>
<td></td>
<td></td>
<td>24 x 24 SYSTEM &quot;C&quot;</td>
</tr>
<tr>
<td>C-103</td>
<td></td>
<td></td>
<td>24 x 24 SYSTEM &quot;C&quot;</td>
</tr>
</tbody>
</table>

**GENERAL FURNISH & INSTALL SIGN TYPE C NOTES:**
1. POST LENGTHS ARE APPROXIMATE AND INCLUDE EMBEDMENT, BUT DO NOT INCLUDE ADDITIONAL LENGTH REQUIRED FOR SPlice.
2. SEE SHEETS 36-40 FOR STRUCTURAL DETAILS.
3. SEE STANDARD SIGN MANUAL FOR PUNCHED CODE AND DETAILED DRAWINGS OF TYPE C SIGN PANELS.

**SPECIFIC FURNISH & INSTALL SIGN TYPE C NOTES:**
1) MOUNTING HEIGHT IS MINIMUM (WITH A 6 INCH TOLERANCE) SEE SHEET NO. 41 FOR TYPICAL MOUNTING.

**REMOVAL DETAILS:**
- C-101: 15 ft, 1 post, 1 panel
- C-102: 15 ft, 1 post, 1 panel
- C-103: 15 ft, 1 post, 1 panel

**MINNESOTA DEPARTMENT OF TRANSPORTATION**
**RURAL INTERSECTION CONFlict SYSTEM - PHASE II**
**SIGNING TABULATIONS**

**FILE NO.:** WTH/00418

**RURAL INTERSECTION SYSTEM**
S.P., 8016-224, 1806-74, 6406-24, 7102-132
S.P., 7315-11, 7106-010

**SIGNING STATION**
S.P., 8016-224, 1806-74, 6406-24, 7102-132
S.P., 7315-11, 7106-010
LEGEND

1. FURNISH AND INSTALL
2. INPLACE
3. SALVAGE
4. REMOVE SIGN TYPE C
5. INSTALL SIGN

"U"-CHANNEL POSTS (SEE WMAutoC FOR MOUNTING STANDARDS)

LOCATION OF FLASHING BEACON SYSTEM

NOTE: MAINTAIN MINIMUM 200' SPACING BETWEEN INSTALLATION OF NEW SIGNS AND LOCATION OF EXISTING SIGNS ON MAJOR ROADSIDE.

MATCHLINE 'A' - SEE SHEET 30

MATCHLINE 'B' - SEE SHEET 30

T.H. 10

R.R.
TYPE C & D POST

RISER POST (NO SPlice PERMITTED)

2-3/8" STAINLESS STEEL
BOLTS WITH NYLON INSERT
LOCK NUTS PLACED IN TOP
AND BOTTOM HOLES.

U POST BREAKAWAY SPLICE

STAINLESS STEEL WASHER AND NYLON WASHER
(1/2" MIN, 1 1/8" MAX, D 0.787 MAX)

U POST MOUNTING
TYPE C SIGNS

TYPICAL TYPE C INSTALLATION

TYPICAL TYPE D INSTALLATION

NOTEs:
1. USE 3 LB/FT STUB POSTS, SHALL CONFORM TO MNDOT 3401.
2. USE 2.5 LB/FT RISER POSTS, STRINGERS, KNEE BRACES
   AND LATERAL BRACES. ALL SHALL CONFORM TO MNDOT 3401.
3. SEE SIGN DATA SHEETS FOR NUMBER OF POSTS, KNEE BRACES,
   POST LENGTHS AND SPACINGS, AS DETERMINED FROM TEM
   CHARTS 6.3 AND 6.4.
4. IF MORE THAN TWO POSTS ARE NEEDED, THE MINIMUM SPACING
   SHALL BE 45° BETWEEN POSTS.
5. TYPE D SIGN PANELS SHALL BE BOLTED TO STRINGERS
   AT 24° MAXIMUM INTERVALS IN ACCORDANCE WITH
   THE TYPE D STRINGER AND P-3306 DETAIL (SEE
   STANDARD SIGNS MANUAL).
6. MOUNTING (PUNCH CODE) FOR TYPE C SIGN PANELS
   SHALL BE AS INDICATED IN THE STANDARD SIGNS MANUAL
   UNLESS OTHERWISE SPECIFIED.
7. ALL RISER (VERTICAL) POSTS SHALL BE SPLICEd. DRIVEN
   STUB POSTS SHALL BE AT LEAST 7" LONG.
8. USE STAINLESS STEEL 3/8" BOLTS, WASHERS AND
   NYLON INSERT LOCK NUTS AS SHOWN FOR ALL GROUND
   MOUNTED AND OVERHEAD MOUNTED SIGNS.
9. STAINLESS STEEL WASHER WITH SAME DIMENSIONS
   SHALL BE PROVIDED BETWEEN ALL NYLON WASHERS AND
   BOLT HEADS.
10. BRACING STUBS SHALL BE NO MORE THAN 4" ABOVE
    GROUND AND EMBEDDED AT LEAST 42".
11. A-FRAME BRACKET SHALL BE STEEL CONFORMING TO
    MNDOT 3306 AND GALVANIZED IN ACCORDANCE WITH
    MNDOT 3394.
12. COLLARS SHALL BE USED TO SHIM OVERLAYS AND
    LEGEND COMPONENTS AWAY FROM PANEL WHERE
    INTERFERENCE WITH BOLT HEADS IS ENCOUNTERED.
    MNDOT 3352, 246.
13. 2 POST TYPE C SIGNS SHALL BE REINFORCED WITH
    AT LEAST ONE LATERAL BRACE, INSTALLATIONS WHERE
    THE TOTAL PANEL HEIGHT IS 60" OR MORE SHALL HAVE
    TWO LATERAL BRACES LOCATED APPROXIMATELY AT
    THE QUARTER POINTs.
14. WHERE 2 SINGLE POST TYPE C SIGNS ARE INSTALLED
    SIDE BY SIDE, THEY SHALL BE REINFORCED LATERALLY
    BY AT LEAST 2 BRACES, BOLTED AT EACH POST AND
    LOCATED APPROXIMATELY AT THE QUARTER POINTs.
15. WHERE 3 OR MORE TYPE C SIGNS ARE INSTALLED
    SIDE BY SIDE, THEY SHALL BE REINFORCED LATERALLY
    BY AT LEAST 2 BRACES, BOLTED AT EACH POST AND
    POST SECTION AND LOCATED APPROXIMATELY AT THE QUARTER
    POINTs AS SHOWN IN MODIFIED TYPE C INSTALLATION.

TYPE C & D SIGN

STRUCTURAL DETAILS

Sheet 1 of 3

STATE PROJ. NO. 8816-2274, 1806-74, 6406-24, 7102-132, 7305-117, 018-070-010 SHEET NO. 38 OF 41 SHEETS
GORE PLACEMENT

THRU ROADWAY

BACK OF PAVED GORE OR CONCRETE NOSE

CURB FACE OR EDGE OF SHOULDER

EXIT SIGN

RAMP

SPECIFIC NOTES:

1. EXIT SIGNS
   If these offsets cannot be attained within 100 feet of the paved gore, a 4 foot offset is acceptable. If the 4 foot offsets cannot be attained within 100 feet of the paved gore, contact the project engineer who will consult with the state signing engineer.

2. MERGE SIGNS
   If these offsets cannot be attained within 200 feet of the paved gore, a 4 foot offset is acceptable. If the 4 foot offsets cannot be attained within 200 feet of the paved gore, contact the project engineer who will consult with the state signing engineer.

ROADSIDE PLACEMENT

12' FROM EDGE OF SHOULDER OR CURB FACE

12' (1)

8' MIN. (1)

12' (2)

200' MAX.

THRU ROADWAY

ROUTE MARKER, REGULATORY & WARNING SIGNS - TYPE C

GUIDE SIGNS - TYPE D

NOTES:

1. ALL ROUTE MARKERS, WARNING & REGULATORY SIGNS SHALL BE AT LEAST 7' ABOVE EDGE OF THRU LANE.

2. SIGN FACES SHALL BE VERTICAL.

3. OVERHEAD SIGNS SHALL BE POSITIONED AT RIGHT ANGLES TO THE THRU ROADWAY UNLESS OTHERWISE NOTED.

4. TO AVOID SPECULAR GLARE, θA SHALL BE APPROXIMATELY 93° FOR SIGNS LOCATED LESS THAN 30' FROM THE EDGE OF THRU LANE AND APPROXIMATELY 25° FOR SIGNS LOCATED 30' OR MORE FROM EDGE OF THRU LANE. THIS APPLIES TO SIGNS TYPE A, C, & D AND INCLUDES SIGNS IN THE GORE.

5. "X" IS THE PERPENDICULAR DISTANCE FROM THE GROUND LINE TO THE FRICTION FUSE ON THE POST. THIS DISTANCE SHALL BE AT LEAST 7'.

6. WHERE "X" IS LESS THAN 30', "H" SHALL BE 7' + 6", WHERE "X" IS 30' OR GREATER, MINIMUM "H" IS 5'.

7. LATERAL CLEARANCES GIVEN APPLY TO RIGHT AND OR LEFT SIDE INSTALLATION.


GUIDE SIGN - TYPE A

SIGN PLACEMENT

STATE PROJ. NO. 8816-2274, 1806-74, 6406-24, 7102-132, 7305-117, 018-070-010 SHEET NO. 41 OF 41 SHEETS