

OSS-9

TOTAL SHEZIS

SHEET NO.

## OVERHEAD SIGN STRUCTURES SUPPORT FRAME for ALUMINUM TRUSS

F.A.I. 90/94 (DAN RYAN EXPRESSWAY) 63RD STREET TO GARFIELD BLVD (SB LOCAL LANES) PROPOSED IMPROVEMENT

## **END ELEVATION**

## 10" \$ PIPE TRUSS SUPPORT FRAME

| Truss<br>Type | Dimensions |        |        |        |          |       |      |        |         |
|---------------|------------|--------|--------|--------|----------|-------|------|--------|---------|
|               | R          | S      | T      | U      | V        | W     | X    | Υ      | Z       |
| <i>I-</i> A   | 4'-6''     | 51.5½" | 4'-0'' | 5′-6′′ | 6'-434"  | 4"    | 9′′  | 8'-3'' | 11'-3'' |
| II-A (5)      | 5′-3′′     | 6'-34" | 4'-6'' | 6'-1'' | 6'-1134" | 434'' | 912" | 8'-3'' | 11'-3'' |
|               |            |        |        |        |          |       |      |        |         |

## JSS DESIGNED EXAMINED CHECKED - MJP PASSED DRAWN CHECKED -0S-A-6

<sup>3</sup>4" \$\phi\$ stainless steel U-bolt.

Provide two washers and two

(4 slots required per pipe)

В

1034

DETAIL A

Galv. Bolts

(ASTM A307)

SECTION A-A

As an alternate to bolts, may use galvanized drive-fit caps installed after galvanizing frame.

3'' wide · 10 Ga. bent stainless steel

cover plate with two  $^{3}_{16}$   $^{\prime\prime}$   $\phi$  holes

 $\frac{I_4^{\prime\prime\prime}}{galv}$ , cap plate with  $4-\frac{5}{8}^{\prime\prime}$   $\phi$  holes at 90° intervals. Install after

galvanizing frame.

"D" = Outside

Chord Diameter

4-12" hex nuts at 90° intervals welded to pipe.

'4'' cap plate-

hexagon locknuts. (4) <sup>13</sup><sub>16</sub> " x 2" slots on © 10" ¢ pipe.

| NUMBER | REVISION | DATE |
|--------|----------|------|
|        |          | 1    |
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|        |          |      |
|        |          |      |
|        |          |      |
|        |          |      |

For Foundation Details, see base sheet OS-F3 (Spread Footing) or OS4-F3 (Drilled Shaft).

SIDE ELEVATION

ENGINEER OF BRIDGES AND STRUCTURES

SECTION B-B

1-7-05