

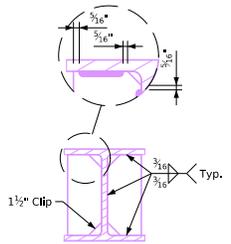
Revised 12-2024; Modified Section L-L (Typical Runway Section) dimensions to facilitate proper alignment of runway with DMS cabinet. Expanded dimension table associated with DMS cabinet access runway to accommodate multiple DMS cabinet models.
 Revised 06-2025; Changed Detail K dimension from 1'-5 7/8" to "x" to match variable dimension "x" in Section L-L. This sheet raised, sheet format update.
 steeloverheadsigntruss.dgn - SOST-13-11 - This sheet issued 03-2013.

| Dimension Table | | | | | | | | |
|---|-----------------------------|----------|--------|-----------|-----------|-------------------|--------|--------|
| For Runway Compatible with Skyline VMSLED-WV-20F-112x432-30C4+4SC DMS Cabinet | | | | | | | | |
| Span | Truss Chord | A | B | L* | X* | U-Bolt Dimensions | | |
| | | | | | | D | R | S |
| 50'-100' | 5"Ø Extra-Strong Steel Pipe | 2'3 1/2" | 5 1/2" | 5'-0 3/4" | 1'-2 3/4" | 6 1/4" | 3 3/2" | 5 1/2" |
| 105'-130' | 6"Ø Extra-Strong Steel Pipe | 3 3/16" | 5 3/4" | 5'-1 1/4" | 1'-3 3/4" | 7 1/2" | 3 3/4" | 6" |

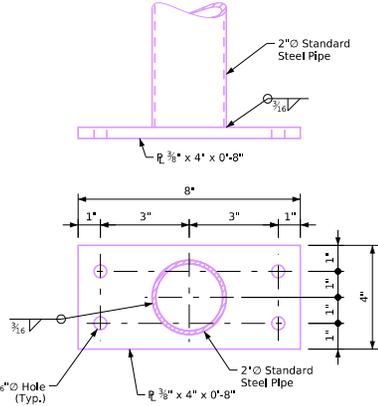
| Dimension Table | | | | | | | | |
|--|-----------------------------|----------|--------|-----------|-----------|-------------------|--------|--------|
| For Runway Compatible with Daktronics VF-2020-112x432-20 DMS Cabinet | | | | | | | | |
| Span | Truss Chord | A | B | L* | X* | U-Bolt Dimensions | | |
| | | | | | | D | R | S |
| 50'-100' | 5"Ø Extra-Strong Steel Pipe | 2'3 1/2" | 5 1/2" | 5'-3 3/4" | 1'-5 1/4" | 6 1/4" | 3 3/2" | 5 1/2" |
| 105'-130' | 6"Ø Extra-Strong Steel Pipe | 3 3/16" | 5 3/4" | 5'-4 1/4" | 1'-6 3/4" | 7 1/2" | 3 3/4" | 6" |

*These dimensions are for estimating purposes only. The Contractor shall verify specific DMS cabinet dimensions, positioning and orientation relative to the support truss before detailing shop drawings to ensure proper alignment of DMS access runway and associated handrails with DMS access door.

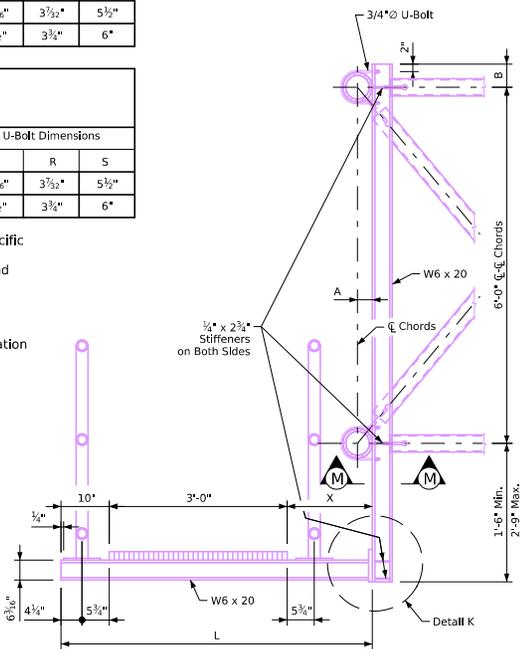
Note that identical DMS cabinets may be positioned and oriented differently due to differences in DMS-to-truss attachment hardware. Do not assume dimensions of attachment hardware. Contact the Iowa D.O.T. Traffic Operations Bureau for information about specific DMS cabinet dimensions, positioning and orientation relative to a particular support truss.



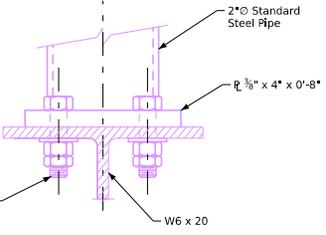
Typical Stiffener Detail



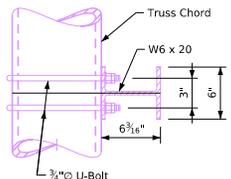
Handrail Post Base Plate



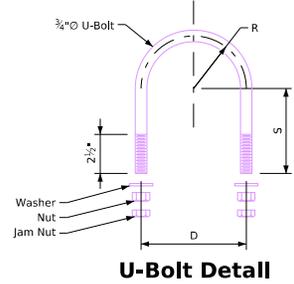
Section L-L Typical Runway Section



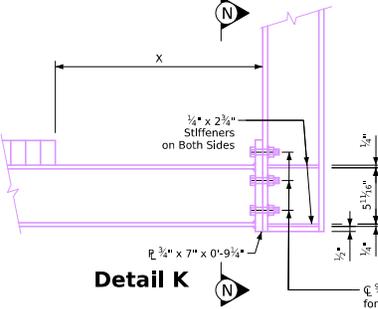
End Elevation of Handrail Post Base



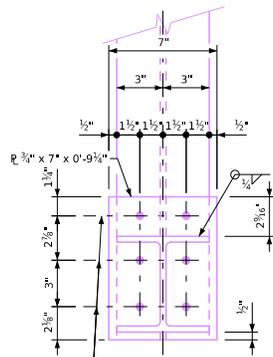
Section M-M



U-Bolt Detail



Detail K



Section N-N Fasteners not shown

Ø 3/16"Ø Hole for 1/2"Ø F3125 Grade A325 Galvanized Bolt with Washer and Nut (Typ.)

| | | | |
|---------------------------------|---------------------------------|--|-------------------|
| 06-2025 Latest Revision Date | Approved by Bridge Engineer | Standard Design Steel Overhead Sign Truss September, 2011 | |
| | | DMS Runway Details 50'-130' Spans | SOST-13-11 |