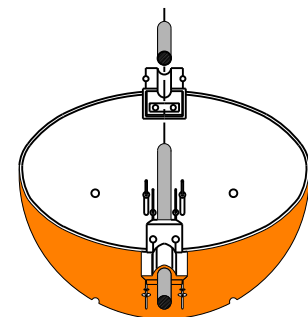


MARKER LOCATION PLAN



MOUNTING DETAIL

NOTES:

1. OVERHEAD CABLE WARNING MARKER SPHERES WILL BE INSTALLED ON ANY NEW OVERHEAD WIRE INSTALLATION CARRYING 100 VOLTS OR GREATER. MARKER SPHERES WILL BE PLACED ON THE LOWEST LINE OF ANY GROUPING WITHIN 100' FROM THE TOP OF RAIL.
2. WHEN CROSSING OVER SINGLE UPRR TRACK, MARKER SPHERE WILL BE PLACED AT CENTERLINE OF TRACK.
3. WHEN CROSSING OVER MULTIPLE UPRR TRACKS, FOR EXAMPLE IN YARD LOCATIONS, MARKERS WILL BE PLACED AT 50' INTERVALS AND SHALL BE SPACED SO THEY FALL AT THE CENTERLINE OF TWO TRACKS AS SHOWN IN THE DIAGRAM.
4. SPHERES SHALL NOT BE BELOW THE MINIMUM OVERHEAD CLEARANCE AS SHOWN IN STD DWG 0038.
5. WHEN RUNNING PARALLEL TO A UPRR MAINLINE TRACK AND WITHIN 20' OF THE CENTERLINE OF THE CLOSEST TRACK, MARKERS SHALL BE PLACED AT 1/4 MILE INTERVALS.
6. MARKER SPHERES WILL BE CONSTRUCTED OF LIGHTWEIGHT UV RESISTANT FIBERGLASS.
7. MARKER SPHERES WILL BE ORANGE AND HAVE A MINIMUM DIAMETER OF 20 INCHES. SPHERES WILL BE IN FULL COMPLIANCE WITH STATE AND LOCAL FAA REGULATIONS.
8. INSULATED AND SHIELDED MARKER SPHERES WILL BE UTILIZED IF OVERHEAD LINE TYPE REQUIRES THEM.

**UNION PACIFIC RAILROAD
ENGINEERING STANDARDS**

**OVERHEAD CABLE
WARNING MARKER SPHERE**

APPROVED: *Charles A. Connett*
VP ENGINEERING
ADOPTED: APR. 14, 2011
REVISED:
FILE NO.: 0039

STD DWG
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