MOUNTING LOCATIONS

PRESENCE (RPDD)
1. Preferred placement for mast arms, strain poles and timber poles, on mast arm poles, mount below connection of mast arm to a minimum of 15 ft., mount as high as possible to a maximum of 30 ft on strain and timber poles.
2. Alternate placement for mast arms, mount on back side of opposing mast arm.
3. Alternate placement for mast arms, mount on near side pole.
4. Alternate strain or timber pole placement, mount on near side pole with a maximum 40 ft mounting height.

ADVANCE (RADD)
1. Preferred placement for mast arms, align RADD with center of travel lanes.
2. Alternate placement for mast arms, mount on near side pole.
3. Alternate strain or timber pole placement, mount luminaire arm on near side pole with a maximum 40 ft mounting height.

NOTES:
1. A minimum 6 ft horizontal offset must be maintained between the RADD and the RPDD.
2. The RADD shall be mounted such that at least 30 ft along the farthest lane to be monitored is within the field of view of the RADD.
3. Aim RADD at the center of the lanes to be monitored, approximately 50 ft from the RPDD unit.
4. Mount RADD so that its field of view is not occluded by poles, signs, or other structures.
5. RADD mounting height shall not be less than 17 ft or greater than 40 ft. RADD mounting location shall have a maximum 30 ft lateral offset from center of travel lanes to be monitored.

Texas Department of Transportation
San Antonio District Standard
RADAR PRESENCE DETECTOR (RPDD)
RADAR ADVANCED DETECTION DEVICE (RADD)
PLACEMENT

ELEVATION VIEW

PLAN VIEW

TYPICAL RPDD DETECTION RANGE

INSTALLING ON MAST ARM RESULTS IN PLACEMENT REAR OF STOP BAR