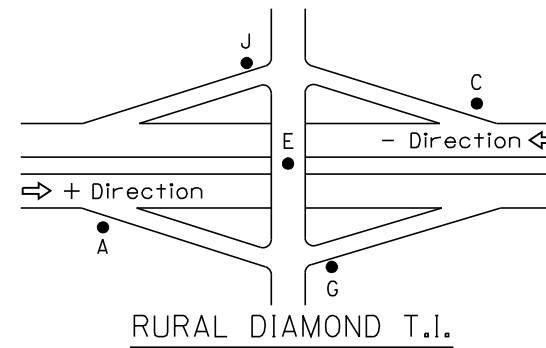
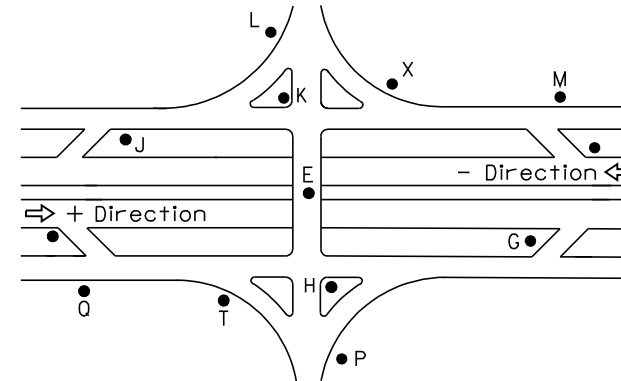


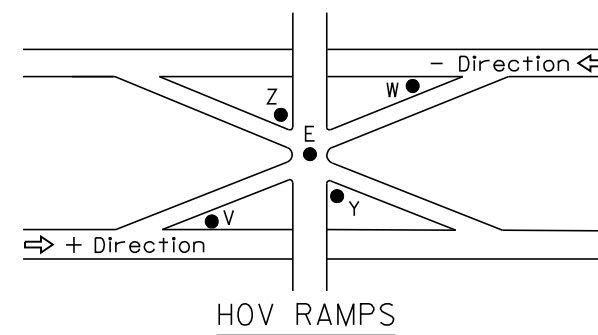
URBAN INTERCHANGE



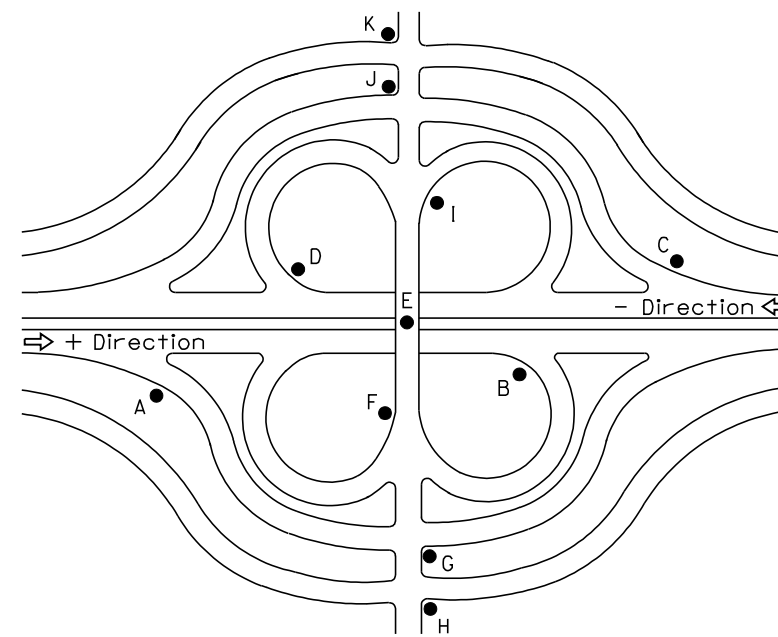
RURAL DIAMOND T.I.



URBAN DIAMOND T.I.



HOV RAMP



CLOVERLEAF T.I.
 PLACEMENT DETAILS

NOT TO SCALE

NOTES:

- M10-101 off-mainline reference markers, are used for identification of auxiliary roads which connect with or are adjacent to mainline roadways.
- The number code on off-mainline reference markers shall be consistent with the interchange exit number, which generally matches the roadway milepost. For interchanges with no exit number, or for interchanges with letter suffixes, contact Traffic Engineering Group.
- Off-mainline reference markers should be located as close as practicable to the beginning point of the road being identified and placed so that they can be read from the direction of approaching traffic and from crossing roadways.
- Where a delineator and off-mainline marker are both to be located at a single location, the delineator may be omitted.
- Off-ramp, loop-ramp and crossroad loop markers should be located at the right side of the ramp or loop, near the gore point, and should be oriented perpendicular to the roadway.
- On-ramp markers should be placed so that they can be read from either direction on the crossroad and where practical, the adjacent off-ramp. Where the off-ramp diverts from the frontage road, the marker should be located on the left side of the ramp near from the gore point.
- Slip type off-ramps, which have little or no length from the mainline to where they merge with a frontage road, should not have a reference marker but can be recognized by an "M" or "Q" marker placed at the merge point of the adjacent frontage road. This will serve as the beginning of the combination ramp/frontage road to its intersection with the crossroad.
- Slip type on-ramps may be identified with either the mainline milepost or the frontage road marker from which it branches but should have no marker of its own.
- Situations not covered by these standards shall be as prescribed by Traffic Engineering Group.
- Markers should not be installed at the center point of the crossroad (designated by "E"). A list of these "E" designations will be furnished to each District.

DESIGN APPROVED	ARIZONA DEPARTMENT OF TRANSPORTATION INTERMODAL TRANSPORTATION DIVISION TRAFFIC SIGNING & MARKING STANDARD DRAWINGS	REVISION 6/14
SIGNATURES		DRAWING NO. M-29
APPROVED FOR DISTRIBUTION	OFF-MAINLINE REFERENCE MARKER LOCATION DETAIL	SHEET NO. 1 of 1
ON FILE		