TRAFFIC BASE LINE 200' MIN.

EDGE OF TRAVELWAY

300' TAPER

SEE EXHIBITS 10-70 AND 10-71 IN AASHTO GREEN BOOK

400' MIN.

LENGTH OF CURVE 6° CURVE (MAX.)

EDGE OF TRAVELWAY

P.T.

TAKE-OFF

BASE LINE

TRAFFIC

P.C.

STA. 0+00

MEDIAN

4° CURVE (MAX.)

12'

OFFSET

2'

6° CURVE (MAX.)

SEE EXHIBITS 10-70 AND 10-71 IN AASHTO GREEN BOOK

12'

STA. 0+00

12'

360'

BEG. RAMP Z = 360°

12'

STA. 0+00

350' MIN.

SEE EXHIBITS 10-71 AND 10-73 IN AASHTO GREEN BOOK.

MEDIAN

P.C.

STA. 0+00

24'

350' TAPER

TRAFFIC

BASE LINE

Diamond Interchange Alignment Controls
Folded Diamond-Type Interchange

2-LANE MINOR ROAD

4-LANE MINOR ROAD

* 18' WHEN RADIUS IS ≥ 400'
* 22' WHEN RADIUS IS < 400'

60' TAPER
2' R

120' TAPER

100' TAPER
**Geometries of Diamond Interchanges - Ramp Termini**

- **CENTERLINE**
- **MEDIAN**
- **MAJOR APPROACH**
- **MINOR APPROACH**

**TAPER LENGTH**
- See AASHTO Green Book

**DELTA ANGLE**
- When "X" is 12' or greater, use low profile island, see standard drawing 203.50. When "X" is less than 12' omit island.

**NOTE:**
- See standard plans 203.50 for low profile island. Type E or Type F curb may be considered for large islands.

**TURNING RADII** at ramp terminals that are signalized or that have multiple lanes on the crossroad may need to be modified.

**ISLANDS OFFSET FROM CROSSROAD** not less than shoulder width.

**FOR SIGHT DISTANCE AT RAMP TERMINALS,** see chapter 9, AASHTO Green Book.

FOR DELTA ANGLE = 90° - 100° use low profile island for delta angle less than 90° no island used.
ACTUAL LENGTH OF STORAGE TO BE DETERMINED BY TRAFFIC NEEDS

TUBULAR MARKERS SPACED AT 40' (YELLOW, STD. 616.10) MINIMUM

PAINTED FLUSH MEDIAN **

RAISED 6" CONCRETE MEDIAN STRIP MAY BE USED.

Folded Diamond Intersection Details