

| POSTED SPEED LIMIT (MPH) | "Y" FT |
|--------------------------|--------|
| 30 OR LESS | 10 |
| 35-40 | 20 |
| 45 | 30 |
| 50 OR MORE | 40 |

DETAIL "A" ANGLED TRANSVERSE MARKING



PREPARED BY
DESIGN DIVISION

DRAWN BY: LME

CHECKED BY: JGM

DEPARTMENT DIRECTOR
Kirk T. Stuedle

APPROVED BY: Kimberly Avery
DIRECTOR, BUREAU OF FIELD SERVICES

Digitally signed by Kimberly Avery
DN: cn=State of Michigan,
email=averyk@michigan.gov,
cn=Kimberly Avery
Date: 2017.09.24 18:21:47
-04'00'

APPROVED BY: Bradley C. Wieferich
DIRECTOR, BUREAU OF HIGHWAY DEVELOPMENT

MICHIGAN DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAY DEVELOPMENT STANDARD PLAN FOR

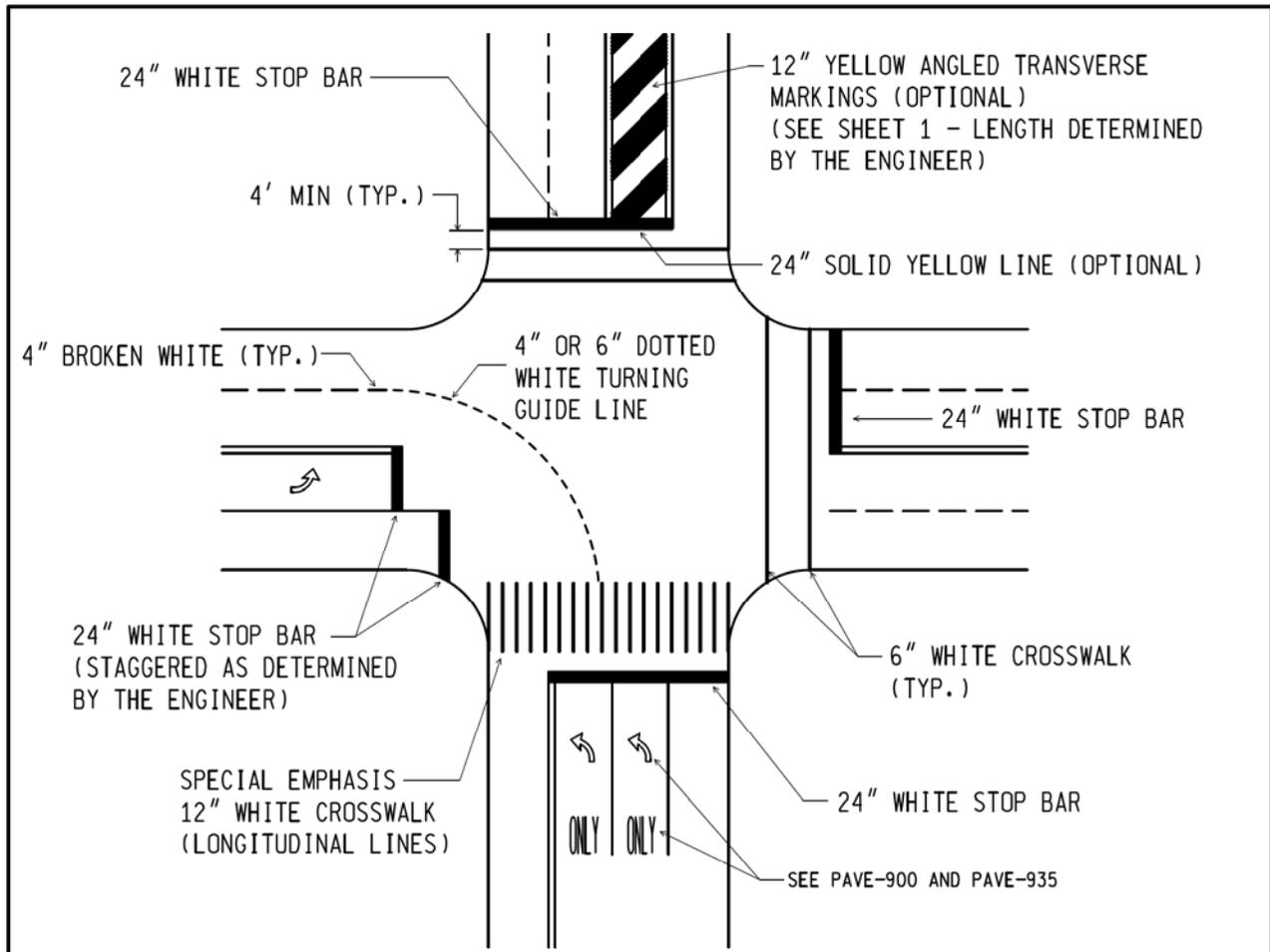
INTERSECTION, STOP BAR & CROSSWALK MARKINGS

08/23/17
F.H.W.A. APPROVAL

01/22/17
PLAN DATE

PAVE-945-C

SHEET
1 OF 3



SIGNALIZED OR STOP SIGN CONTROLLED INTERSECTION

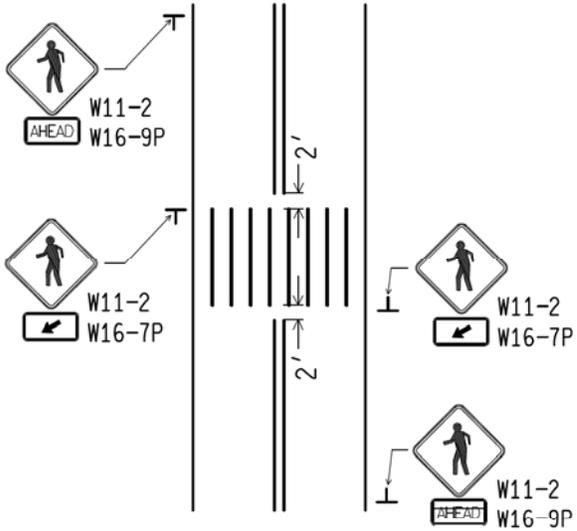
NOTES:

1. Stop Bars should be located 40-150 ft from the signal head. Optional stop bars, if used at stop controlled intersections, should be 4-30 ft from the edge of the intersecting roadway. Exact location to be determined by the Engineer.
2. Standard crosswalk is two 6 inch white transverse lines. Special emphasis crosswalk is 12 inch white longitudinal lines.
3. Install special emphasis crosswalks at mid-block crossings, established school crossings (as defined by the MMUTCD), where crossing uncontrolled traffic at an intersection or ramp, or when directed by the Engineer. See Sheet 3 for detail of special emphasis crosswalk markings.
4. Width of crosswalk should equal width of the adjacent sidewalk, but shall not be less than 6 ft (measured inside the lines).
5. 12 inch transverse lines can be used in place of 6 inch transverse lines at the Engineer's discretion.
6. When practical, crosswalk location should avoid conflict with drainage inlets.
7. Turning guide lines should be placed to direct the driver into the closest through lane. Include a dotted turning guide line for all double turn movements.

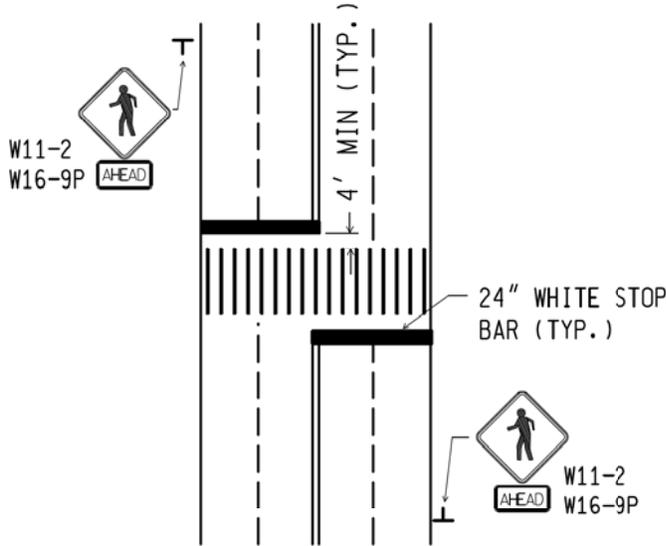
NOT TO SCALE

| | | | | |
|--|-------------------------------|-----------------------|------------|-----------------|
| MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF HIGHWAY DEVELOPMENT STANDARD PLAN | 08/23/17 F.H.W.A. APPROVAL | 01/22/17 PLAN DATE | PAVE-945-C | SHEET 2 OF 3 |
|--|-------------------------------|-----------------------|------------|-----------------|

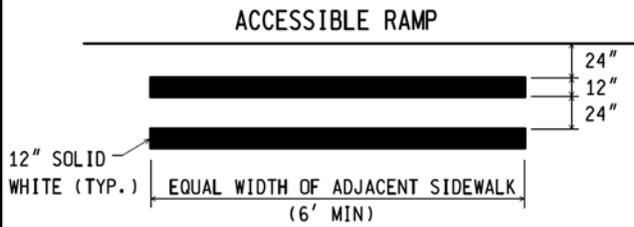
NOTE: THE ORIGINAL SIGNED COPY IS KEPT ON FILE AT THE MICHIGAN DEPARTMENT OF TRANSPORTATION.



**MID-BLOCK TWO LANE
NON-SIGNALIZED**

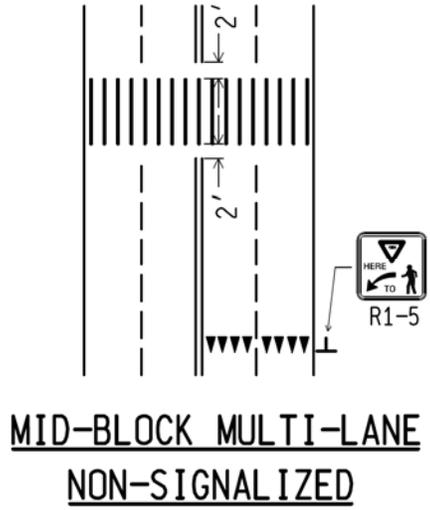


**MID-BLOCK MULTI-LANE
SIGNALIZED**

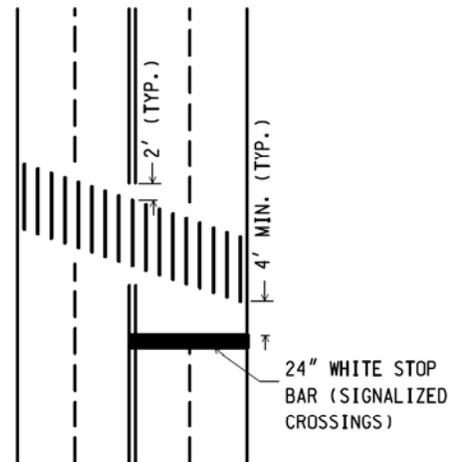


**DETAIL OF SPECIAL
EMPHASIS CROSSWALK MARKING**

NOT TO SCALE



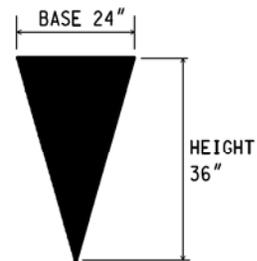
**MID-BLOCK MULTI-LANE
NON-SIGNALIZED**



SKEWED CROSSINGS

NOTES:

1. Install special emphasis crosswalk markings parallel to traffic flow.



**DETAIL OF YIELD TRIANGLE
FOR YIELD LINE**

NOTES:

1. Install four triangles per lane.
2. Adjust spacing (between 3 to 12 inches) as necessary.