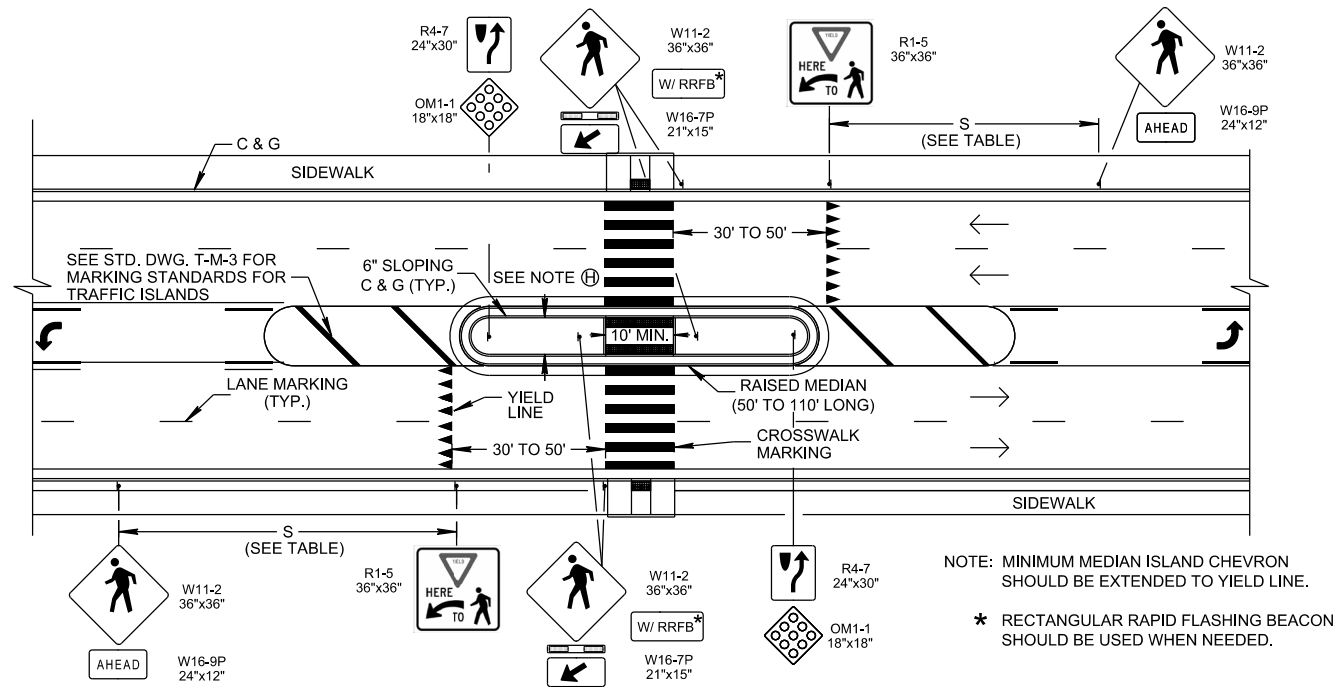
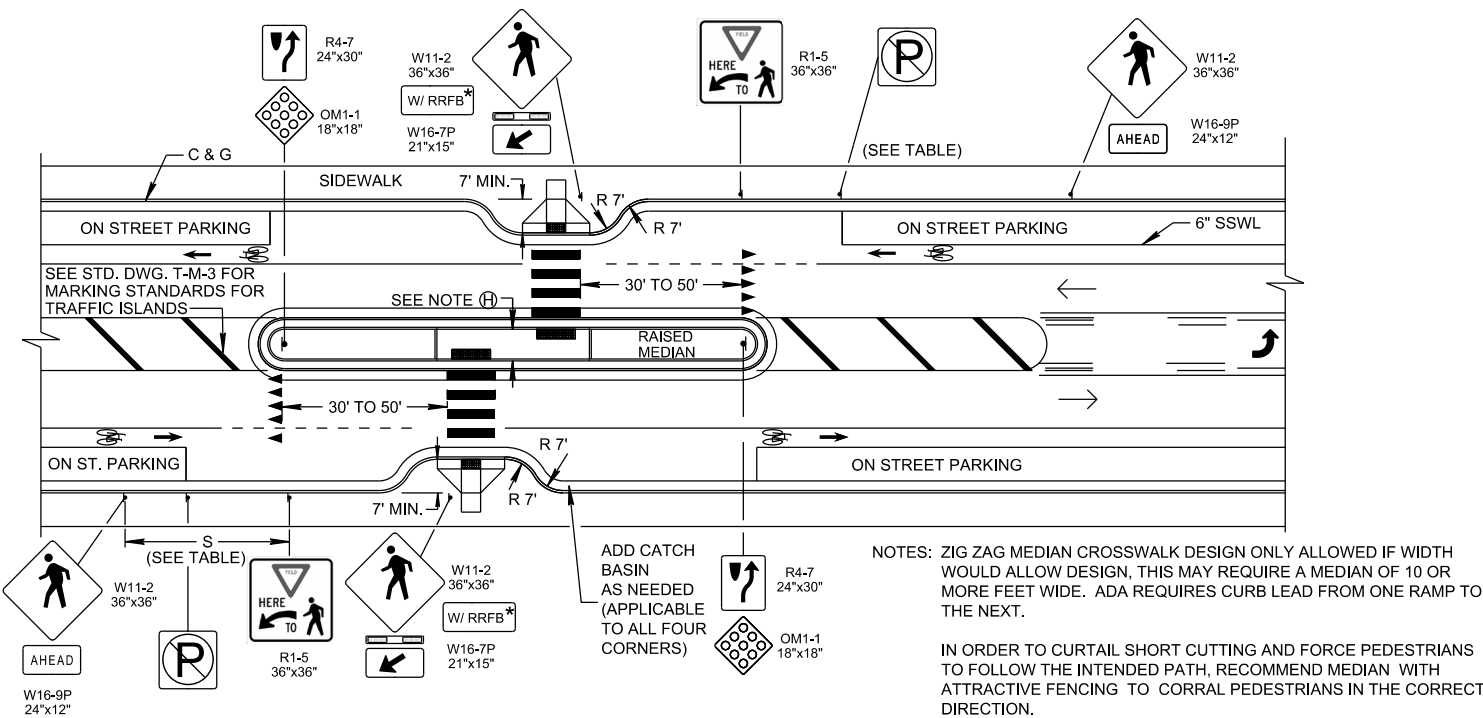


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FIVE-LANE WITH RECTANGULAR RAPID FLASHING BEACON  
MID-BLOCK CROSSING



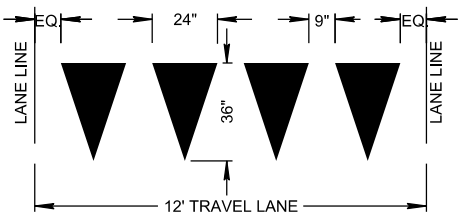
TWO-LANE WITH RECTANGULAR RAPID FLASHING BEACON  
ALT. MID-BLOCK CROSSING

| MINIMUM ADVANCE PLACEMENT OF PEDESTRIAN WARNING SIGNS |                                                      |
|-------------------------------------------------------|------------------------------------------------------|
| POSTED SPEED                                          | WARNING SIGNS MINIMUM ADVANCE PLACEMENT DISTANCE - S |
| ≤ 35 MPH                                              | 250 FT                                               |
| 40 MPH                                                | 305 FT                                               |

NOTES: WHERE THE SPEED LIMIT EXCEEDS 40 MPH, MARKED CROSSWALKS ALONE SHOULD NOT BE USED AT UNSIGNALIZED (NO SIGNAL) LOCATIONS.

PEDESTRIAN WARNING SIGNS SHOULD NOT BE PLACED WITHIN 100' OF THE EDGE OF AN INTERSECTION.

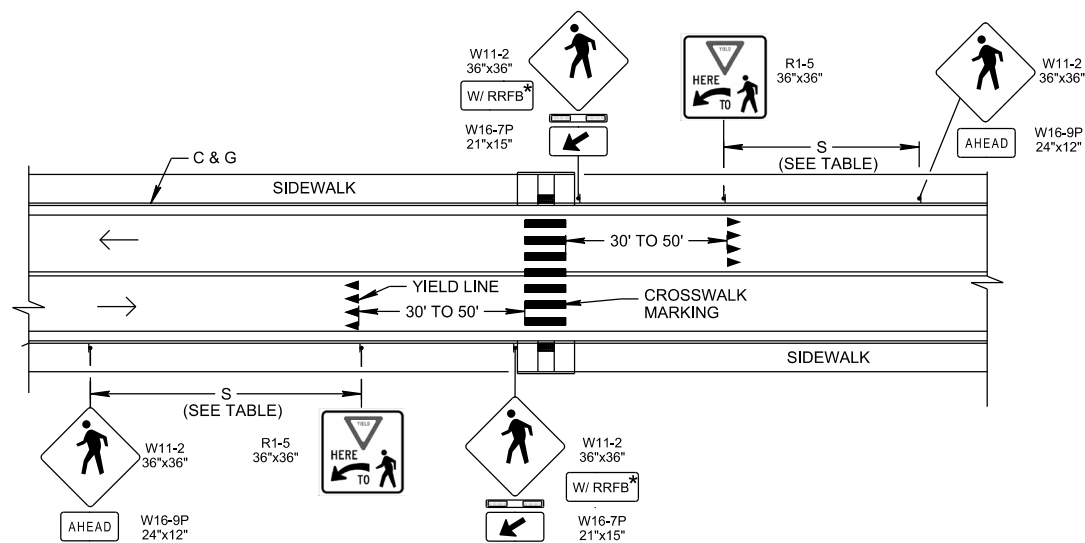
| LEGEND |                                   |
|--------|-----------------------------------|
|        | GROUND MOUNT SIGN                 |
|        | DETECTABLE WARNING SURFACE        |
|        | RECTANGULAR RAPID FLASHING BEACON |
|        | PAVEMENT MARKING SYMBOLS          |
|        | DIRECTION OF TRAFFIC              |



RECOMMENDED YIELD LINE LAYOUTS

NOTES: YIELD LINES MAY BE SMALLER THAN SUGGESTED WHEN INSTALLED ON NARROW, SLOW SPEED FACILITIES SUCH AS SHARED-USE PATHS.

AREA OF EACH TRIANGLE A BASE OF 24 INCHES AND A HEIGHT OF 36 INCHES IS = 3 SF.



TWO-LANE WITH RECTANGULAR RAPID FLASHING BEACON  
MID-BLOCK CROSSING

### GENERAL NOTES

- RECTANGULAR RAPID FLASHING BEACONS INSTALLED ON TDOT FACILITIES SHALL COMPLY WITH THE REQUIREMENTS OUTLINED IN CHAPTER 4L OF PART 2 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- DETAILS SHOWN ON THIS STANDARD DRAWING APPLY TO THE CONSTRUCTION OR RECONSTRUCTION OF MID-BLOCK CROSSINGS AND MODIFICATION OF STREETS, CURBS, OR SIDEWALKS ASSOCIATED WITH IT. SEE TDOT-RDG FOR ADDITIONAL INFORMATION FOR SITE SELECTION, NEW CONSTRUCTION OR RECONSTRUCTION DURING PEDESTRIAN SAFETY INITIATIVE AND SPOT SAFETY IMPROVEMENTS. OTHER LOCATIONS WILL NEED SITE SPECIFIC ANALYSIS.
- FOR NEW CONSTRUCTION, A TRAFFIC ENGINEERING STUDY WILL HAVE TO BE CONDUCTED TO DETERMINE IF A MID-BLOCK CROSSING IS WARRANTED. MID-BLOCK CROSSINGS SHALL BE INSTALLED DURING RECONSTRUCTION PROJECTS, REPAVING PROJECTS AND AT LOCATIONS WHERE EXISTING PEDESTRIAN SAFETY IS A CONCERN.
- PEDESTRIAN IN CROSSWALK SIGNS (W11-2) SHALL BE INSTALLED AT EACH END OF THE CROSSWALK LOCATION. THE SIGNS SHALL BE PLACED IN ADVANCE OF THE CROSSWALK ADJACENT TO THE TRAVEL LANE AND FACING THE DRIVER. REFER TO THE MUTCD FOR ADDITIONAL WARNING SIGNS, TYPE AND LOCATION. S1-1 (SCHOOL) OR W11-15 (TRAIL) CAN BE USED INSTEAD OF THE W11-2 IN THE VICINITIES OF SCHOOLS AND TRAILS.
- FOR CURB RAMPS, THE DETECTABLE WARNING SURFACE, PAVEMENT MARKINGS, AND CROSSWALK MARKING DETAILS, SEE STD. DWG. SERIES MM-CR AND MM-PM RESPECTIVELY. FOR MARKING STANDARDS AND CONCRETE CURB AND GUTTER SEE STD. DWG T-M-SERIES AND RP-VC SERIES RESPECTIVELY.
- WHILE LOCATION OF SIGN OR PEDESTRIAN SIGNAL MAY VARY BASED ON SITE CONDITIONS, ANY PEDESTRIAN PUSHBUTTON SHALL MEET ALL REQUIREMENTS FOR HEIGHT AND REACH RANGE PER PROWAG. 4FT BY 4FT LANDINGS (MAX 2% SLOPE) SHALL BE ADJACENT TO ANY PUSHBUTTON. PEDESTRIAN PUSHBUTTON SHALL BE INSTALLED IN COMPLIANCE WITH SECTION 4L.05 OF THE MUTCD. AND REFER TO STANDARD DRAWING T-SG-6 FOR PEDESTRIAN PUSHBUTTON POST DETAILS.
- SEE SECTION 3B.19, FIGURE 3B-16(B), AND SECTION 3C OF THE MUTCD FOR UNSIGNALIZED MIDBLOCK CROSSWALKS.
- RECTANGULAR RAPID FLASHING BEACONS (RRFBs) MAY BE USED TO ASSIST PEDESTRIANS CROSSING IN A MARKED CROSSWALK AT AN UNSIGNALIZED INTERSECTION. RRFB'S ARE PARTICULARLY EFFECTIVE AT MULTILANE CROSSINGS WITH SPEED LIMITS LESS THAN 40 MPH. CONSIDER THE PEDESTRIAN HYBRID BEACON (PHB) INSTEAD OF RRFBs FOR ROADWAYS SPEED LIMITS ARE EQUAL TO OR GREATER THAN 40 MPH SEE STANDARD DRAWING T-M-4B FOR SIGNALIZED MID-BLOCK CROSSING.
- A MEDIAN SHOULD BE AT LEAST 8.0 FEET WIDE TO ALLOW THE PEDESTRIAN TO WAIT COMFORTABLY IN THE CENTER. IF THE DESIRED 8 FEET CANNOT BE ACHIEVED, USE A MINIMUM WIDTH OF 6 FEET. THE PEDESTRIAN CROSSWALK MEDIAN ISLAND ARE ADA-APPROVED RAMPS (1:12 GRADE) SHOULD BE USED. IT IS BEST TO PROVIDE A SLIGHT GRADE 2 PERCENT TO PERMIT WATER AND SILT TO DRAIN FROM THE AREA. DRAINAGE STRUCTURES SHALL NOT BE PLACED IN LINE WITH RAMPS. INSTALL CATCH BASINS ON UPSTREAM SIDE OF RAMP FOR ROADS WITH GRADES LESS THAN 2%.
- PARKING AND OTHER SIGHT OBSTRUCTIONS SHOULD BE PROHIBITED FOR AT LEAST 100 FEET IN ADVANCE OF AND AT LEAST 30 FEET BEYOND THE MARKED CROSSWALK, OR SITE ACCOMMODATIONS SHOULD BE MADE THROUGH CURB EXTENSIONS OR OTHER TECHNIQUES TO PROVIDE ADEQUATE SIGHT DISTANCE. THE INSTALLATION SHOULD INCLUDE SUITABLE STANDARD SIGNS AND PAVEMENT MARKINGS.
- DESIGNERS OF MIDBLOCK CROSSINGS SHOULD ALSO CONSIDER ADDING OR ENHANCING STREET ILLUMINATION TO IMPROVE PEDESTRIAN SAFETY.
- MIDBLOCK CROSSWALKS SHOULD BE LOCATED AT LEAST 100 FEET FROM THE NEAREST SIDE STREET OR DRIVEWAY.
- ADD CHANNELIZING DEVICES AT MID-BLOCK PEDESTRIAN CROSSINGS IN CONJUNCTION WITH IN STREET PEDESTRIAN CROSSING (R1-6 SERIES) SIGNS AS NEEDED.
- PAYMENT  
702-01, CONCRETE CURB,  
702-03, CONCRETE COMBINED CURB AND GUTTER,  
713-15.40, SIGN INSTALLATION (DESCRIPTION),  
716-02.03, PLASTIC PAVEMENT MARKING (CROSSWALK),  
716-02.04, PLASTIC PAVEMENT MARKING (CHANNELIZATION STRIPING),  
716-02.05, PLASTIC PAVEMENT MARKING (STOP LINE),  
716-04.12, PLASTIC PAVEMENT MARKING (YIELD LINE),  
730-26.07, FLASHING WARNING BEACON (DESCRIPTION),  
730-50.20, RECTANGULAR RAPID FLASHING BEACON ASSEMBLY (SOLAR POWERED),  
730-50.21, RECTANGULAR RAPID FLASHING BEACON ASSEMBLY (HARD-WIRED),  
PER C.Y.,  
PER C.Y.,  
PER L.S.,  
PER L.F.,  
PER S.Y.,  
PER L.F.,  
PER S.F.,  
PER EACH,  
PER EACH,  
PER EACH
- RECOMMEND CONSIDERATION OF STREET LIGHTING AT OR NEAR THE CROSSING LOCATION

REV. 07-17-20: REMOVED RIGHT TURN ARROWS FROM THE MIDDLE LANE.

REV. 11-30-20: REVISED CROSSWALK SIGN ON GENERAL NOTE (C). ADDED GENERAL NOTE (M)

REV. 06-15-21: REVISED GENERAL NOTE (E)

REV. 05-04-22: REVISED DOWNWARD DIAGONAL ARROW SIGN DESIGNATION.

REV. 03-01-23: ITEM NUMBERS 730-50.20 AND 730-50.21 WERE ADDED ON GENERAL NOTE (M). ADDED DIRECTION OF TRAFFIC AND PM SYMBOLS UNDER LEGEND. CHANGED W11-2 SIZE FROM 30"x30" TO 36"x36" FOR SINGLE LANE ROADS. ADDED RRFB CELL ON THE DRAWINGS. REMOVED YIELD AHEAD PM. REVISED GENERAL NOTES (E), (F), (H) AND (K). DELETED GENERAL NOTE (G) AND REARRANGED GENERAL NOTE NUMBERS.

REV. 01-24-25: UPDATED TYPICAL DETAILS TO CONFORM WITH MUTCD 11TH EDITION.

REV. 08-31-26: ADDED GENERAL NOTE (P)

MINOR REVISION -- FHWA APPROVAL NOT REQUIRED.

STATE OF TENNESSEE  
STANDARD  
DRAWING  
DEPARTMENT OF TRANSPORTATION

STANDARD  
UNSIGNALIZED  
MID-BLOCK CROSSING

04-08-2020

T-M-4A

NOT TO SCALE