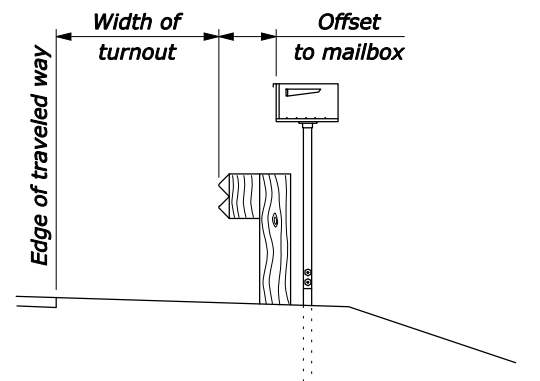
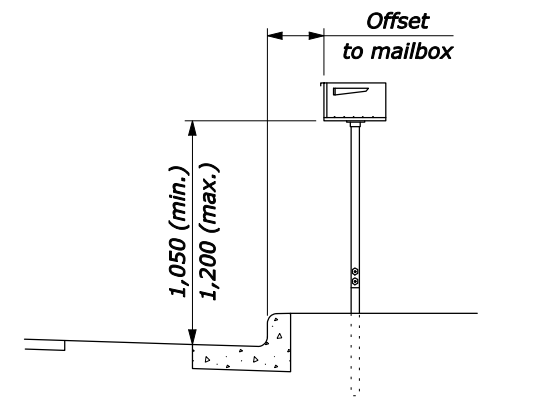


MAILBOX TURNOUT

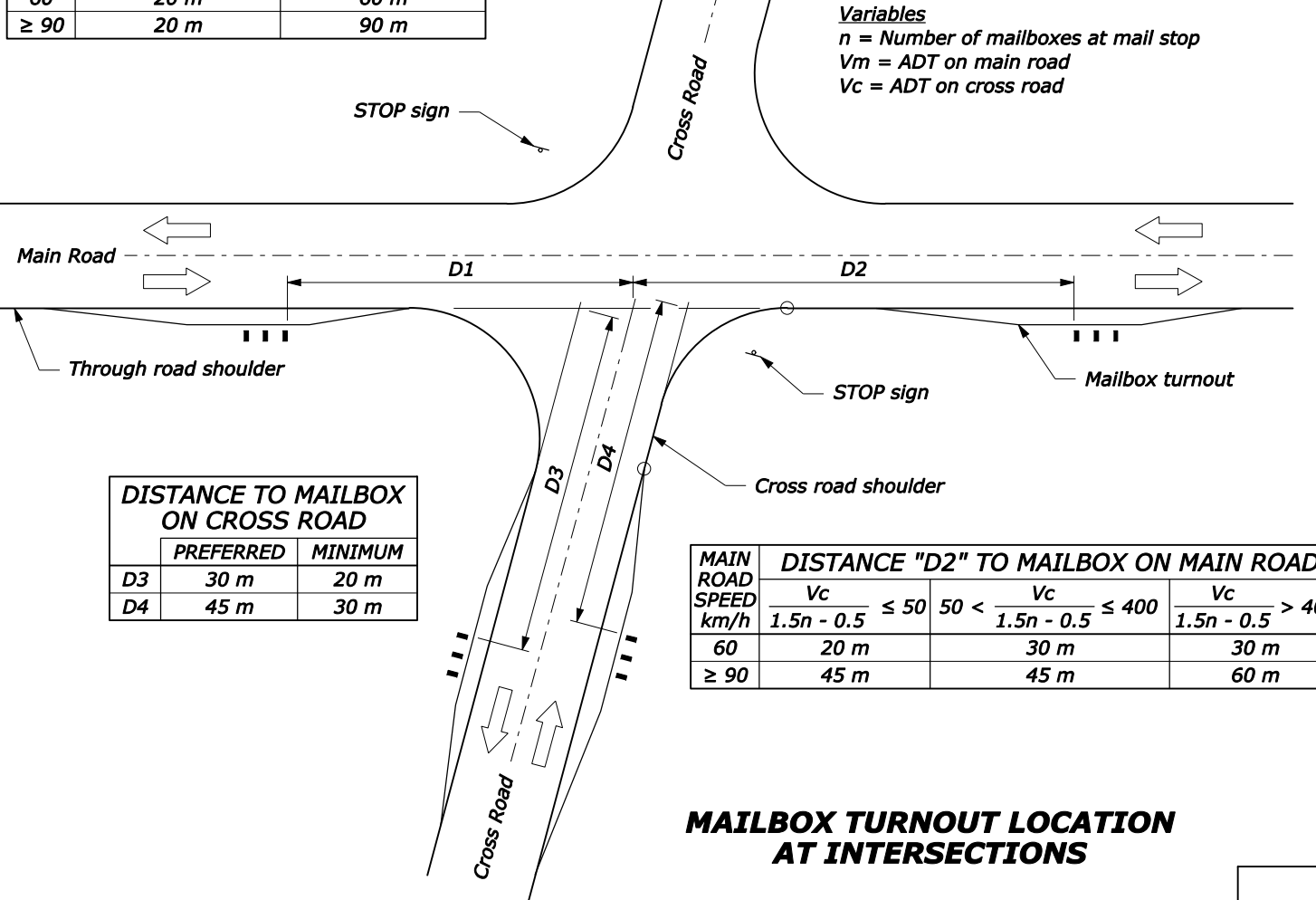


GUARDRAIL AREAS



TYPICAL MAILBOX LOCATIONS

MAIN ROAD SPEED km/h	DISTANCE "D1" TO MAILBOX ON MAIN ROAD	
	$n \times V_c \times V_m \leq 4000$	$n \times V_c \times V_m > 4000$
60	20 m	60 m
≥ 90	20 m	90 m



	DISTANCE TO MAILBOX ON CROSS ROAD	
	PREFERRED	MINIMUM
D3	30 m	20 m
D4	45 m	30 m

MAIN ROAD SPEED km/h	DISTANCE "D2" TO MAILBOX ON MAIN ROAD		
	$\frac{V_c}{1.5n - 0.5} \leq 50$	$50 < \frac{V_c}{1.5n - 0.5} \leq 400$	$\frac{V_c}{1.5n - 0.5} > 400$
60	20 m	30 m	30 m
≥ 90	45 m	45 m	60 m

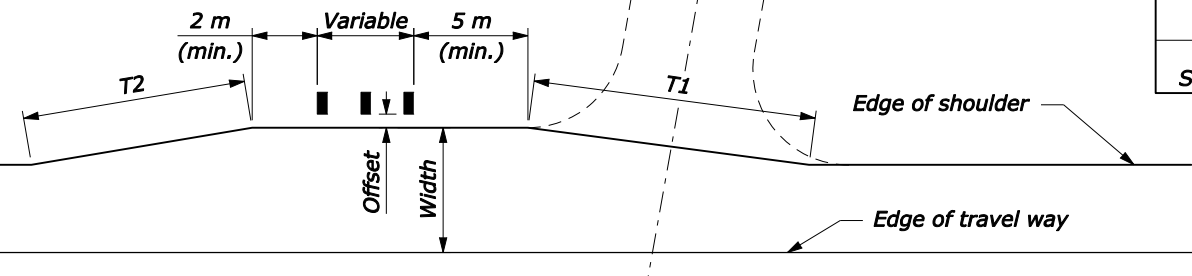
Variables
 n = Number of mailboxes at mail stop
 V_m = ADT on main road
 V_c = ADT on cross road

NOTE:

1. Move mailbox turnout so that it does not overlap the intersection curve radii.
2. Do not skew mailbox turnouts, however, the adjacent approach may be skewed as shown. Blend the approach radius from the roadway shoulder to the turnout shoulder as shown in the Mailbox Turnout Detail. Place mail boxes on the far side of approach road entrances unless the minimum distances cannot be obtained.
3. The set back and required support also apply to mailbox receptacles. When the newspaper receptacles and mailboxes are mounted in combinations, mount the newspaper receptacle below the bottom surface of the mailbox.
4. Use the same pavement structure for mailbox turnouts as for the adjacent roadway section.
5. Mailbox supports shall conform to the requirements of the AASHTO Manual for Assessing Safety Hardware (MASH) or NCHRP Report 350.
6. Posts may be 100 mm x 100 mm or 100 mm diameter wood posts or 38 mm to 50 mm diameter standard steel or aluminum pipe posts embedded not more than 600 mm in the ground.
7. Dimensions without units are millimeters.

MAILBOX TURNOUT LOCATION AT INTERSECTIONS

SPEED km/h	TAPER	
	T1	T2
< 70	4:1	2.5:1
≥ 70	20:1	12:1



MAIN ROAD ADT	Width of Turnout		Offset to Mailbox	
	PREFERRED	MINIMUM	PREFERRED	MINIMUM
> 10,000	> 3.6 m	3.6 m	200 to 300	0
1500 - 10,000	3.6 m	3.0 m	200 to 300	0
400 - 1500	3.0 m	2.4 m	200 to 300	0
< 400	2.4 m	1.8 m	200 to 300	200
Residential Street	1.8 m	0	200 to 300	200
Residential Street w/curb	Not applicable		200 to 300	150

DIRECTION OF TRAVEL

MAILBOX TURNOUT

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION
 FEDERAL HIGHWAY ADMINISTRATION
 WESTERN FEDERAL LANDS HIGHWAY DIVISION

METRIC DETAIL

MAILBOX TURNOUT AND INSTALLATION

DETAIL APPROVED FOR USE --/----

REVIS: 10/2009
 DRAFT: 10/2009

DETAIL WM646-1