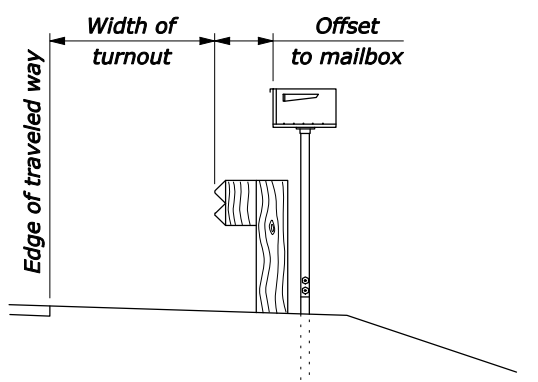
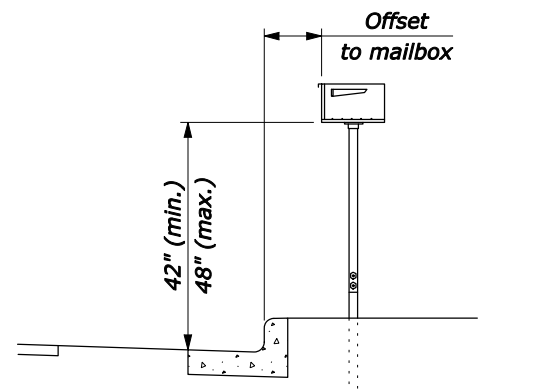


MAILBOX TURNOUT



GUARDRAIL AREAS



RESIDENTIAL AREA WITH CURB

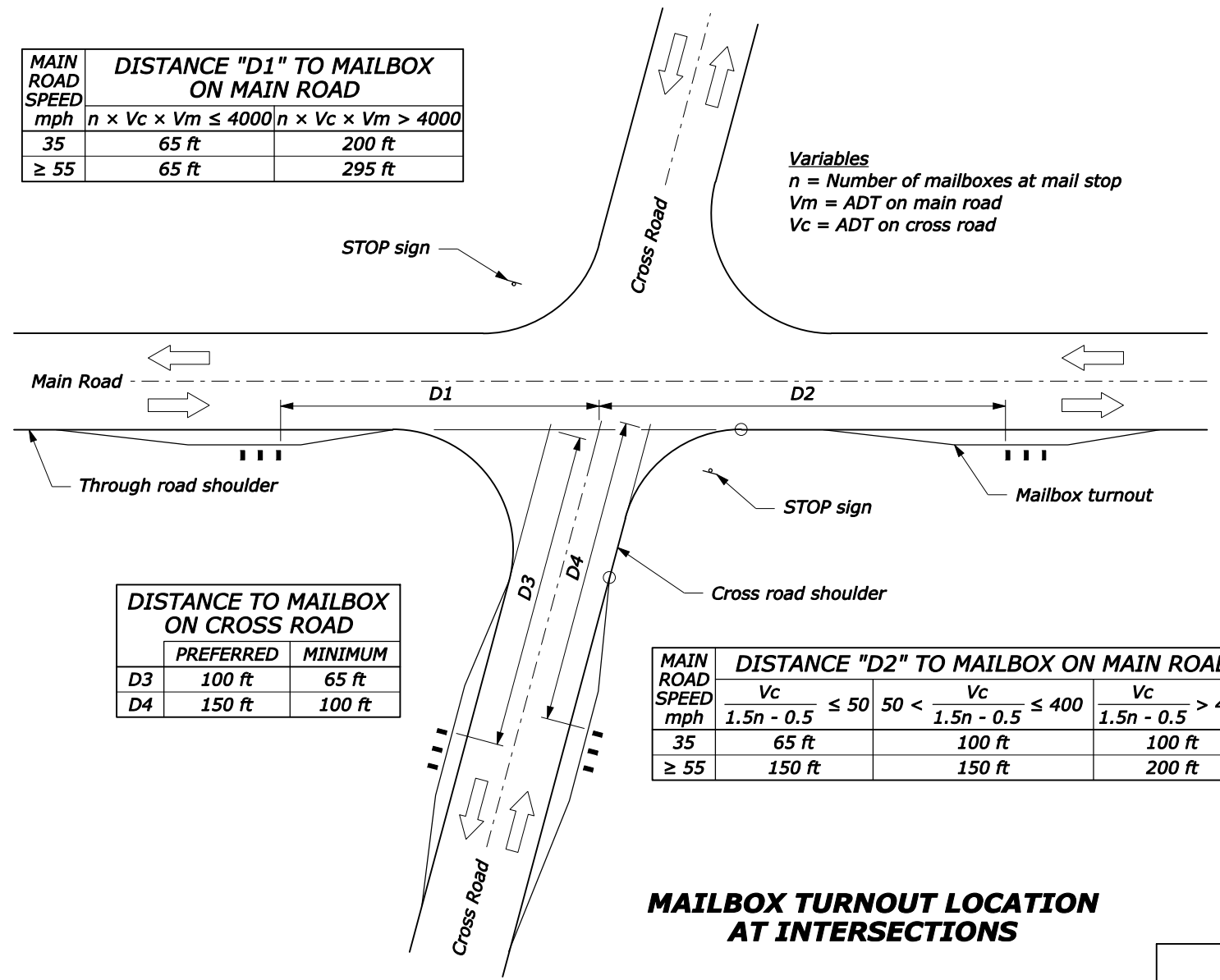
TYPICAL MAILBOX LOCATIONS

MAIN ROAD SPEED mph	DISTANCE "D1" TO MAILBOX ON MAIN ROAD	
	$n \times Vc \times Vm \leq 4000$	$n \times Vc \times Vm > 4000$
35	65 ft	200 ft
≥ 55	65 ft	295 ft

	DISTANCE TO MAILBOX ON CROSS ROAD	
	PREFERRED	MINIMUM
D3	100 ft	65 ft
D4	150 ft	100 ft

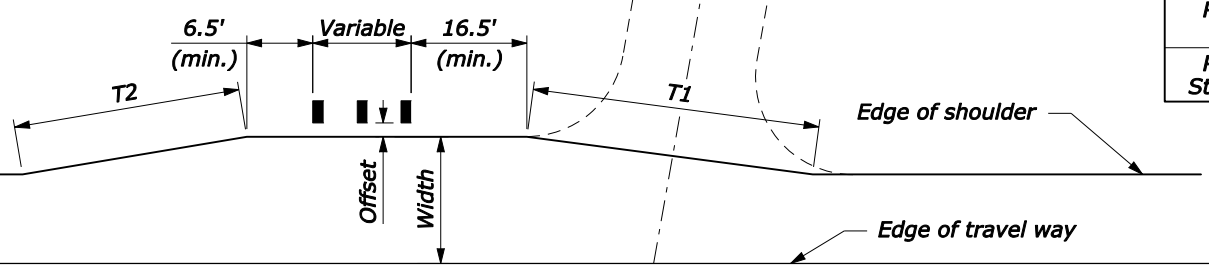
MAIN ROAD SPEED mph	DISTANCE "D2" TO MAILBOX ON MAIN ROAD		
	$\frac{Vc}{1.5n - 0.5} \leq 50$	$50 < \frac{Vc}{1.5n - 0.5} \leq 400$	$\frac{Vc}{1.5n - 0.5} > 400$
35	65 ft	100 ft	100 ft
≥ 55	150 ft	150 ft	200 ft

Variables
 n = Number of mailboxes at mail stop
 Vm = ADT on main road
 Vc = ADT on cross road



MAILBOX TURNOUT LOCATION AT INTERSECTIONS

SPEED mph	TAPER	
	T1	T2
≤ 40	4:1	2.5:1
> 40	20:1	12:1



DIRECTION OF TRAVEL

MAILBOX TURNOUT

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 4" x 4" or 4" diameter wood posts or 1.5" to 2" diameter standard steel or aluminum pipe posts embedded not more than 24" in the ground.

MAIN ROAD ADT	Width of Turnout		Offset to Mailbox	
	PREFERRED	MINIMUM	PREFERRED	MINIMUM
$> 10,000$	$> 12'$	12'	8" to 12"	0
1500 - 10,000	12'	10'	8" to 12"	0
400 - 1500	10'	8'	8" to 12"	0
< 400	8'	6'	8" to 12"	10"
Residential Street	6'	0	8" to 12"	10"
Residential Street w/curb	Not applicable		8" to 12"	6"

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

U.S. CUSTOMARY DETAIL

MAILBOX TURNOUT AND INSTALLATION

DETAIL APPROVED FOR USE --/---

REVISSED: DRAFT: 10/2009

DETAIL W646-1

NO SCALE