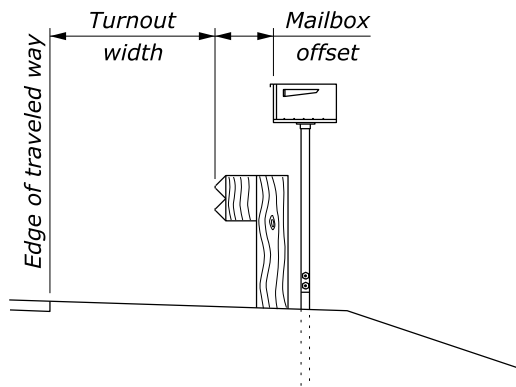
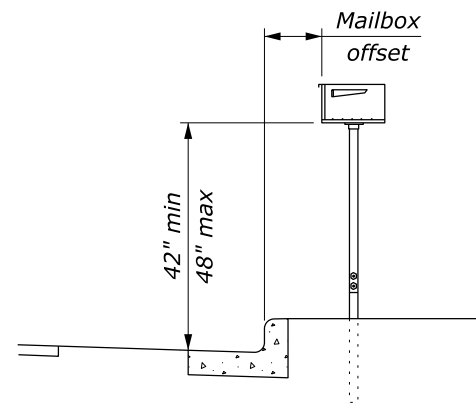


MAILBOX TURNOUT



GUARDRAIL AREAS

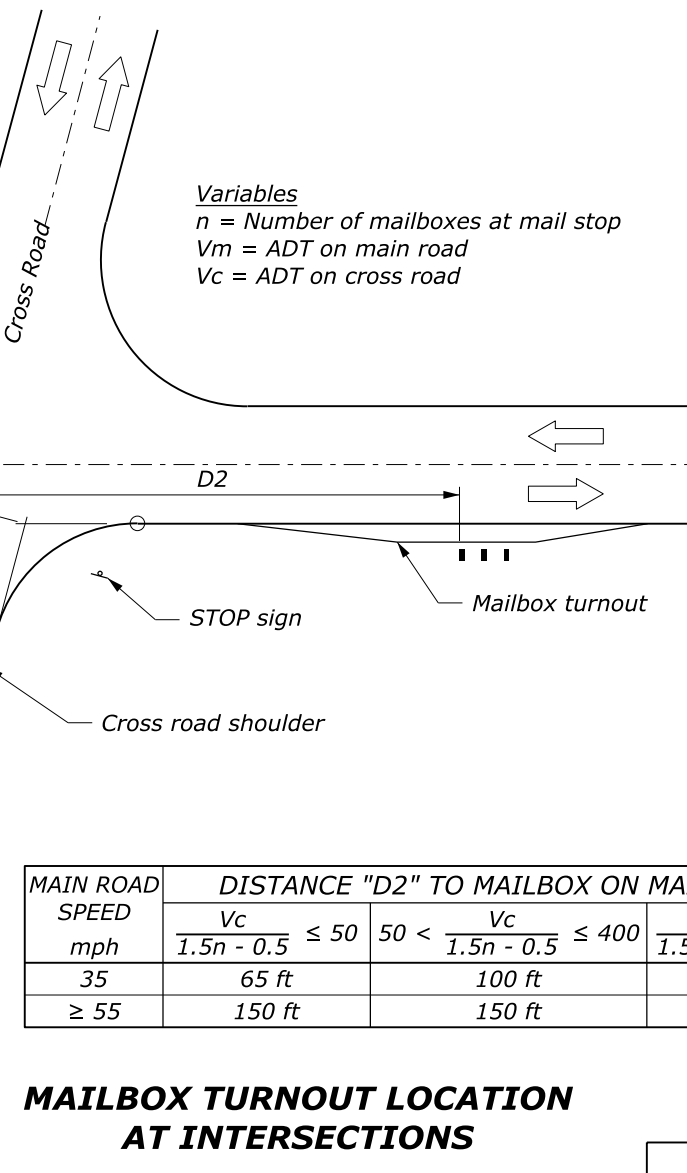


RESIDENTIAL AREA WITH CURB

TYPICAL MAILBOX LOCATIONS

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

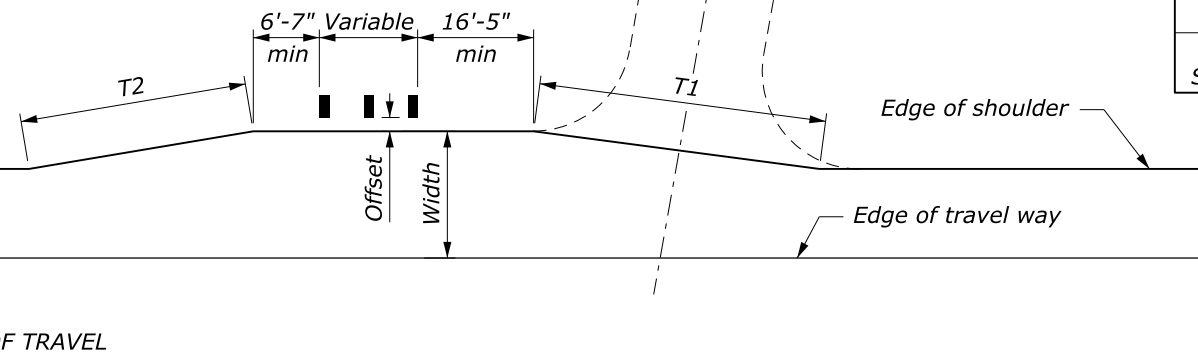
	DISTANCE TO MAILBOX ON CROSS ROAD	
	PREFERRED	MINIMUM
D3	100 ft	65 ft
D4	150 ft	100 ft



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

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

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



DIRECTION OF TRAVEL

MAILBOX TURNOUT

NO SCALE

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 mailboxes on the far side of approach road entrances unless the minimum distances cannot be obtained.
3. The setback 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 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 inch or 4 inch diameter wood posts or 1.5 to 2 inch diameter standard steel or aluminum pipe posts embedded not more than 24 inches in the ground.

MAIN ROAD ADT	TURNOUT WIDTH		MAILBOX OFFSET	
	PREFERRED	MINIMUM	PREFERRED	MINIMUM
$> 10,000$	$> 12'$	8'	6" to 8"	0
1500 - 10,000	12'	8'	6" to 8"	0
400 - 1500	10'	8'	6" to 8"	0
< 400	8'	6'	6" to 8"	6"
Residential Street	6'	0	6" to 8"	6"
Residential Street w/curb	Not applicable		8" to 12"	6"

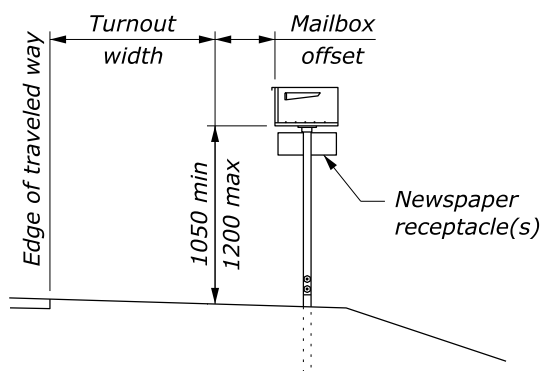
U.S. DEPARTMENT OF TRANSPORTATION, FHWA
OFFICE OF FEDERAL LANDS HIGHWAY

MAILBOX TURNOUT AND INSTALLATION

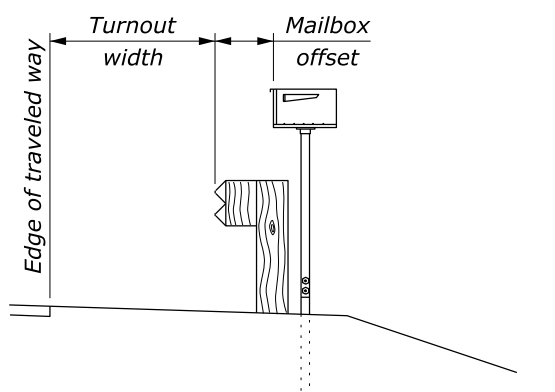
WFL STANDARD W646-1

SPECIFICATION FP-24, FP-14

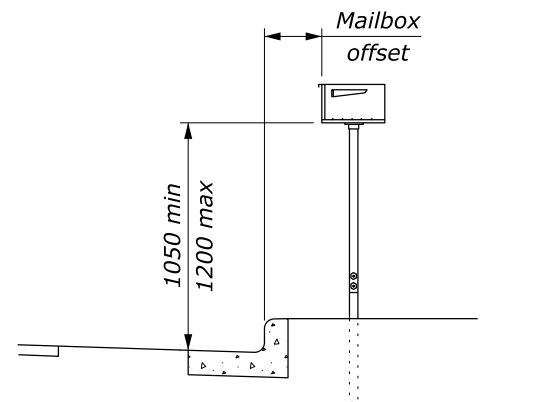
APPROVED FOR USE 11/2014



MAILBOX TURNOUT



GUARDRAIL AREAS



RESIDENTIAL AREA WITH CURB

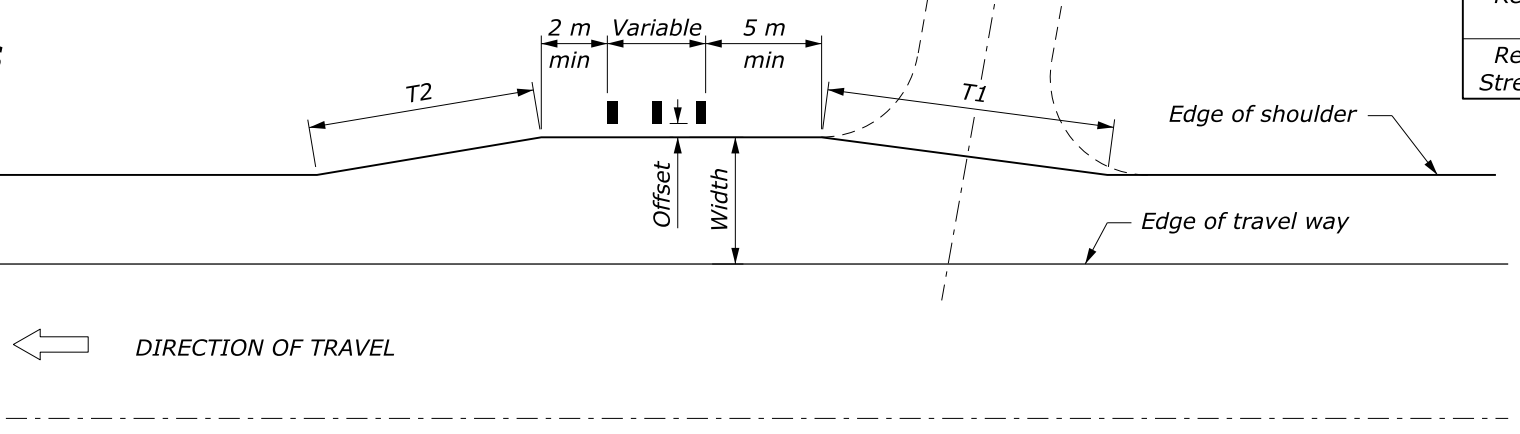
TYPICAL MAILBOX LOCATIONS

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

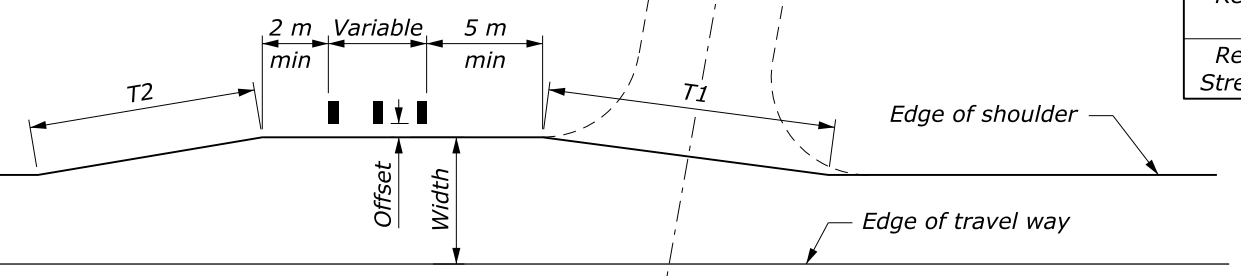
	DISTANCE TO MAILBOX ON CROSS ROAD	
	PREFERRED	MINIMUM
D3	30 m	20 m
D4	45 m	30 m

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

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



MAILBOX TURNOUT LOCATION AT INTERSECTIONS



MAILBOX TURNOUT

NO SCALE

Variables
 n = Number of mailboxes at mail stop
 Vm = ADT on main road
 Vc = 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 mailboxes on the far side of approach road entrances unless the minimum distances cannot be obtained.
3. The setback 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 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 x 100 mm or 100 mm diameter wood posts or 38 to 50 mm diameter standard steel or aluminum pipe posts embedded not more than 600 mm in the ground.

MAIN ROAD ADT	TURNOUT WIDTH		MAILBOX OFFSET	
	PREFERRED	MINIMUM	PREFERRED	MINIMUM
> 10,000	> 3.6 m	2.4 m	150 to 200	0
1500 - 10,000	3.6 m	2.4 m	150 to 200	0
400 - 1500	3.0 m	2.4 m	150 to 200	0
< 400	2.4 m	1.8 m	150 to 200	150
Residential Street	1.8 m	0	150 to 200	150
Residential Street w/curb	Not applicable		200 to 305	150

This drawing contains **Metric** units of measure. Dimensions without units are millimeters.

U.S. DEPARTMENT OF TRANSPORTATION, FHWA OFFICE OF FEDERAL LANDS HIGHWAY	WFL STANDARD WM646-1
MAILBOX TURNOUT AND INSTALLATION	SPECIFICATION FP-24, FP-14
	APPROVED FOR USE 11/2014