

REVISED: 12/2006 11/2007

W621-1

		STATE	PROJECT		SHEET NUMBER
DTE:					
ght-of-Way Wi t a 6 foot long tness posts sho match surrour aque to the pos ould be perma e designed alig	tness Post: flexible plastic po ould be brown, gra ndings. Attach a " st. Station, offset nently attached to nment.	st. Rig een or o Survey and PL o the fro	ht-of-Way other suitable of Marker Witnes S date of surve nt of the post	colors ss" ey facing	
tness post to l sembly is requ	be used when Righ ired.	nt-of-Wa	ay witness pos	t	
t monuments the requireme	using a profession nts of the state co	al land de.	surveyor accol	rding	
ation and dista	nces based on Rig	ht-of-V	Vay centerline.		
stall markers s an ½" from the	o that the center of point established	of the c I.	ap is not more		
1					
le and fill out	FEDER/ WESTERN F	AL HIGHW	AY ADMINISTRATIC	ON VISION	
NT	U.S			,	
			-υγ-WAY	N	
DN					
	DETAIL APPROV	ED FOR USE	5/2003	DET	AIL



		STATE	PROJECT	NUMBER	
TE:					
nt-of-Way Witness Post: a 1830 mm long flexible plastic post. Right-of-Way less posts should be brown, green or other suitable colors natch surroundings. Attach a "Survey Marker Witness" jue to the post. Station, offset and PLS date of survey uld be permanently attached to the front of the post facing designed alignment.					
ness post to l embly is requ	be used when Rigl iired.	nt-of-Wa	ay witness pos	t	
monuments the requireme	using a profession ents of the state co	al land ode.	surveyor accol	rding	
tion and dista	ances based on Rig	ght-of-V	Vay centerline.		
tall markers s n 13 mm fron	to that the center in the point establi	of the c shed.	ap is not more		
nensions with	out units are millii	neters.			
			OF TRANSPORT		
e and fill out	U.S. DEF FEDER/ WESTERN F	AKIMENT AL HIGHW EDERAL L	OF TRANSPORTAT	ON ON VISION	
NT		METRI	C DETAIL		
	RI	GHT	-OF-WAY	,	
)N	MOI	NUM	ENTATIO	N	
SCALE	DETAIL APPROV REVISED: 12/2006 11/20	ed for USE 107	5/2003	DETAIL WM621-1	



		STATE	PROJECT	SHEET NUMBER
DTE:				
proved comme se and wire gu	erical plant ties ma ıying.	ay be u	sed in lieu of	
ovide construc Pine stakes.	tion grade, rough	or dres	sed Douglas Fi	r
Set plant in ho	le same level			
to the natural g	ground as it			
	y or container			
rees and shrub	s.			
ace mulch as o	directed			
— Cut binding down upper	s, and peel r half of burlap			
	-			
Toncoil miv	ad with aposified a	noil		
conditioner	and throughly mix	ked		
prior to plac	cing around ball			
l in bottom of . s to prevent se	hole ealing			
	j			
ROR				
SHRUBS				
eavier galvaniz	ed wire or			
stic ties tied to hirds the heial	the tree at of tree above			
tapled or tied	to the stake.			
which ties are t	to be made			
stake				
o dacktilling				
1			OF TO	
	U.S. DEF FEDER/	AKIMENT	OF TRANSPORTAT	ION DN
	WESTERN F	. CUST	MARY DFTATI	VISION
				BC
	IKE	:5 Al	SHKU	69
	PLAN	ITIN	g METHO	DS
	DETAIL APPROV	ED FOR USE	12/2006	DETAIL

NO SCALE

REVISED:

W626-1



NO

		STATE	PROJECT	SHEET NUMBER
TF·				
roved comme e and wire gu	erical plant ties ma lying.	ay be us	sed in lieu of	
vide construct Pine stakes.	tion grade, rough	or dres:	sed Douglas Fi	r
nensions with	out units are millii	meters.		
et plant in hol the natural g ood in nurser	le same level ground as it y or container			
es and shrub ce mulch as c	s. lirected			
- Cut binding down upper	s, and peel • half of burlap			
- Topsoil mixe conditioner prior to plac	ed with specified s and throughly mix sing around ball	soil ked		
in bottom of to prevent se	hole ealing			
OR HRUBS				
vier galvanize tic ties tied to irds the heigh apled or tied t bout 300 mm hich ties are t	ed wire or the tree at of tree above to the stake. a above o be made			
ood stake backfilling				
[U.S. DE		OF TRANSPORTAT	ION
	FEDER WESTERN F		AT ADMINISTRATIO	VISION
	TREE	IS AN	ND SHRU	BS
	PLAN	ITIN	G METHO	DS
SCALE	DETAIL APPROV	ed for USE	12/2006	DETAIL WM626-1



13 DEC 20

w/metric/details/wm63301.dgn



450

350

290

220-250

175-200

145-160

100-135

70-95

65 & less

45

40

35

30

25

25

20

18

15

80

70

60

55

50

45

40

35

30

120

120

105

90

80

75

65

55

45

tric/details/wm63305.dgr

2.0

2.5

3.0

4.0

5.0

6.0

7.0

9.5

12.0

30 45 60 70 80 90 100 115 120

40 50

35 | 40 |

35

30

30

60 70 75 90 100 115 120

35 45 55 60 65 80 90 100 115 120 120

45 50 60 70 75 80

35 40 50 55 60 70

40 45 55 60 70 75 80

30 35 40 45 50 60 60

30 35 40 45 50 55 60

100

90

75

115

100

90

85

70

30 35 45 50 60 70 80 90 95

NO SCAL

		STATE	PROJECT		SHEET NUMBER
NO	DTE:				
/.	Dimensions not labe	led are	in millimeters	5.	
2.	Place delineators ne horizontal curves.	early op	pposite each c	ther or	7
3.	Install all delineator adjacent on-coming	s with traffic	reflectors fo	cing	
4.	Install delineators b locations.	ehind i	the rail at gu	ardrail	
5.	Offset delineators of mm in areas of heo	n minim nvy sna	num distance o nw removal ope	of 1200 erations) s.
6.	On roads with less only where situation horizontal curves, o geometrics exist.	than t hs such r other	500 ADT, use as sharp ve undesirable	deline rtical d	ators or
7.	Vary the post spac. shown to clear driv intersections or ran the variation is exc	ing up eways, nps. El ceeded.	to $\frac{1}{8}$ of the cross roads, iminate the po	spacin ost if	IG
8.	When the contract construction of the for the thickness o placed later when e of the traffic delin	does no ultima f base stablis eators.	ot provide for te pavement, and pavemen hing the eleva	the allow t to be tion	e
9.	If horizontal and vertical curves are combined, use the more restrictive spacing.				
10.	Furnish hardware in Equivalent imperial metric sizes are no	n the r sizes n t availe	netric sizes s nay be used v able.	hown . vhen	
Edge of shoulder or face of curb	600 mm norm. 1800 mm (max.) as directed	f 	V ARIAB. depende	LE nt on	
! 'CAL	INSTALLATION		Metal post 6 mm (min.) pi posts variab dependent u make of pos and anchora	SOO astic le, con f used ge sys	on tem
	U.S. DEP FEDERA	ARTMENT	OF TRANSPORTA AY ADMINISTRATI	TION ON	
	WESTERN FI	EDERAL L	ANDS HIGHWAY D	IVISION	
	TRAFF	IC E GON	ELINEAT PROJECT	ORS S	
LE	DETAIL APPROVE REVISED:	ED FOR USE	3/1996	DET WM6	ан 33-5





				STA	TE		PROJECT		SHEET NUMBER
ΙΟΤΙ	=:								
Traffic than i or if ti outsid	 c barrie 150 x 2 he post le the c	r protec 00 mm is vuln lear zoi	ction is when l erable i ne.	required ocated t to being	d fo with str	r al in t uck	l posts larg the clear zo when plac	er ne ed	
H₁ thr length	ru H₄ ind ns to fit	dicate o field co	overall p andition	oost len <u>g</u> s.	gth.	S	elect post		
D is tl soil co	he mini Indition	mum po s. See	ost emb Wood i	oedmen Post Sel	t de lecti	pth on	for averag Table belov	e v.	
Z is th the lo	he heigl ngest p	ht from ost.	ground	l line to	mic	l-he	eight of sigi	n at	
For th - Sing ove - Mul of e	e purpo gle sign erall din tiple sig a rectai	ose of p n, or bac nension gn insta ngle enc	ost sele ck to ba is of the llations closing	ection X ack sign signs. X and all the s	'ano s: X Ya sign:	d Y (an re a s.	are as follo od Y are the the dimensi	ions	
Dimer	nsions v	vithout	units a	re millin	nete	ers.			
M8	lock nu	rt —		— 8 mi	m o	ver	sized wash	er	
nmeta 1 wasi	allic her								
outsia	le dia.)				М8	bo	lt		
				 	8 bc	olt t	hru the pos	st	
TY	PICA			TING T AN	i F	OI E	R		
510	5113		100		GL	• •	5		
WO	OD PO	DST S	ELEC	TION	ΤΑ	BL	.E		
T F	NL 1	JMBER (OF POS	TS 4	Г	,	depth		
n)	Proc	duct of .	X-Y-Z ('m3)	(п	ı)	and noie diameter		
100	2.2	4.3	6.6	18.7	0.	9	-		
150	5.0	10.8	15.3	20.3	1.	2	45 mm		
200	84	23.8	35.8	20.0	1.	2 2	45 mm		
250	10.8	33.0	49.6	66.1	1.	- 5	-		
250	16.1	45.1	67.5	90.0	1.	5	-		
300	21.7	64.7	97.0	129.4	1.	8	-		
hown the lir	are the nit for t	maxim the larg	um per est pos	mitted. t, use s	If i teel	the po	product of st installati	XYZ on.	
			U.S FE	. DEPARTI	1ENT	OF	TRANSPORTAT	ION	
			WESTE	RN FEDER ME	AL L/	AND: C E	S HIGHWAY DI DETAIL	VISION	
			Ρ	ERM INST		IEI LL	NT SIG ATION	N	
SCAU	F					- "			
JUAL	-	REVISED:	2/1998	3/1999	03	/		WMA	33-7
		DRAF	1: 10/200	99					







STATE	PROJECT	SHEET NUMBER	

NOTE:

1. When the contract does not include the final surfacing, allow for the thickness of the final pavement structure when establishing the elevation of the traffic delineators.

2. Place delineators at a constant clearance distance from the edge of pavement except where guardrail or other obstructions interfere. Align delineators with the inside edge of obstruction. Install delineators located behind beam guardrail so that the delineator post is adjacent to the trailing edge of the nearest guardrail post. (See typical installation with beam type guardrail).

3. When a delineator falls within a cross road or approach, the delineator may be moved in either direction a distance not to exceed one quarter of the normal spacing. Eliminate the post if this allowance is exceeded.

4. Mount delineators on metal posts with ³/₁₆" cadmium plated bolt(s). Drill or punch a minimum of twelve ³/₈" diameter holes on 1-inch centers from the top of the post. ³/₈" square holes may be used with large-headed bolt or an appropriate washer. Jam threads after tightening the nut to prevent removal.

5. All delineator reflectors have $\frac{3}{4}$ " corner radii.

6. Manufacture posts from flanged U-channel sections of steel meeting the requirements of ASTM A 36 and weighing not less than 1.25 pounds per foot or aluminum meeting the requirements of ASTM B 221, Alloy 6061-T6, with a minimum thickness of 0.125 inches. After fabrication galvanize steel posts in accordance with ASTM A 123.

7. When a route has a current ADT of 900 or greater, continuously delineate the roadway along the shoulder by means of post mounted reflectors. Spacing on tangent sections is 400 feet.

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION WESTERN FEDERAL LANDS HIGHWAY DIVISION			
U.S. CUSTOMARY DETAIL	-		
MONTANA			
DELINEATORS			
DETAIL APPROVED FOR USE 11/2006	DETAIL		
REVISED: 1/2008	W633-60		



October 2009 4:43 PM

aw\w63360.dgn [Metric]

NO

	STATE	PROJECT	SHEET
ne contract does not includ thickness of the final pave hing the elevation of the ti	le the fin ment str raffic del	al surfacing, allow ucture when ineators.	
elineators at a constant cle pavement except where g a. Align delineators with th lelineators located behind or post is adjacent to the il post. (See typical install	earance c juardrail ne inside beam gu trailing e ation wit	listance from the or other obstruction edge of obstruction ardrail so that the edge of the nearest h beam type guardr	s ail).
delineator falls within a cr or may be moved in eithe one quarter of the normal lowance is exceeded.	ross road r directio spacing.	l or approach, the n a distance not to Eliminate the post	
lelineators on metal posts Drill or punch a minimum 25 mm centers from the holes may be used with lai iate washer. Jam threads removal.	with M5 of twelv top of th rge-head after tigh	cadmium plated ve 9.5 mm diameter ne post. 9.5 mm led bolt or an ntening the nut to	
eator reflectors have 20 m	nm corne	er radii.	
ture posts from flanged U the requirements of ASTI 66 kilograms per meter or nents of ASTM B 221, Allo ss of 3.2 mm. After fabrica dance with ASTM A 123.	l-channei M A 36 ai aluminui y 6061-1 ation gal	l sections of steel nd weighing not less m meeting the r6, with a minimum vanize steel posts	5
route has a current ADT o e the roadway along the s d reflectors. Spacing on ta	of 900 or houlder i angent s	greater, continuous by means of post ections is 120 meter	ily rs.
hardware in the metric siz omary sizes may be used ilable.	es show when m	n. Equivalent etric sizes are	
ions without units are milli	imeters.		
U.S. DE			
WESTERN I	FEDERAL LA	NDS HIGHWAY DIVISION	
1	METRI	C DETAIL	



DETAIL

WM633-60

)	SCAL	E
)	SCAL	E

REVISED: 1/2008



STATE	PROJECT	SHEET NUMBER

NOTE:

1. When a delineator falls within a cross road or approach, the delineator may be moved in either direction a distance not to exceed one quarter of the normal spacing. Eliminate the delineator if this allowance is exceeded.

2. Place delineators 2 feet from the edge of design shoulder unless otherwise specified.

3. Install delineators behind the rail at guardrail locations. Either drive the delineator in line with the guardrail posts or mount a shorter delineator onto the guardrail post as shown on this sheet.

4. When the contract does not provide for the construction of the ultimate pavement, allow for the thickness of base and pavement to be placed later when establishing the elevation of the traffic delineators.

5. Use the current edition of the Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD) as a guide for delineation layout.

DELINEATOR SPACING ON HORIZONTAL CURVES		
CURVE RADIUS	SPACING (S)	
(FEET)	(FEET)	
50	20	
115	25	
180	35	
250	40	
300	50	
400	55	
500	65	
600	70	
700	75	
800	80	
900	85	
1,000	90	

Spacing for a specific curve may be interpolated from the table, or calculated using the formula: Spacing = $3\sqrt{R-50}$. The minimum spacing should be 20 feet. Curve spacing should not exceed 300 feet.



NO SCALE



1Draw\w63380.dgn [Metric]

		SIAIE	PROJECT		NUMBER
=;					
a delin ator ma d one q ator if t	eator falls within a c ay be moved in eith uarter of the norma this allowance is exc	cross road er direction spacing ceeded.	d or approach, on a distance r . Eliminate the	the not to e	
delinea s otherv	tors 600 mm from t vise specified.	he edge (of design shou	lder	
l deline the deli er deline	ators behind the rai ineator in line with t eator onto the guard	l at guard he guard Irail post	lrail locations. rail posts or m as shown on t	Either ount a his shee	et.
the cor ate pave nent to traffic	ntract does not prov ement, allow for the be placed later whe delineators.	ide for th thicknes n establis	e construction s of base and shing the eleva	of the ation	
he curre es for S eation la	ent edition of the Ma treets and Highways yout.	nual on l s (MUTCL	Jniform Traffic)) as a guide fo	Control or	1
sh hardı Istomar Vailahle	ware in the metric s y sizes may be used	izes show 1 when m	vn. Equivalent etric sizes are		
		limeter			
nsions v	vitnout units are mil	iimeters.			
	DELINEATOR ON HORIZONT	SPACI	NG RVES		
	CURVE RADIUS	SPACING	G (S)		
	(m)	(m)			
	15	6			
	35	8			
	55	11			
	75	13			
	95	15			
	125	18			
	155	20			
	185	22			
	215	24			
	245	26			
	275	27			
	305	29			
	Spacing for a spec interpolated from a or calculated using Spacing = 1.7 v The minimum spac Curve spacing sho	ific curve the table, the forn R-15. cing shou uld not e	may be nula: Id be 6 meters xceed 90 mete	s. ers.	
	U.S. D FEDE WESTERN	EPARTMENT RAL HIGHW	OF TRANSPORTAT	ION ON VISION	
	v		INGTON		
	I	DELIN	EATORS		
CALE	DETAIL APPR	oved for US	1/2008	DET	AIL
	REVISED:			WM63	33-80



STATE	PROJECT	SHEET NUMBER

Place pavement word and symbol markings in accordance with the "Manual on Uniform Traffic Control Devices" (MUTCD), current edition.

2. All letters, numerals and symbols shall conform with the "Standard Highway Signs", current edition.

3. The Accessibility Parking Space marking only includes the accessibility symbol unless a border is indicated in the Striping Plans.

PAVEMENT MARKING A	REAS
TYPE	SQFT
Through Lane-Use Arrow	12
Turn Lane-Use Arrow	16
Turn and Through Lane-Use Arrow	26
Yield Ahead Triangle (V≤40 MPH)	26
Yield Ahead Triangle (V≥45 MPH)	37
Accessibility Marking (symbol only)	2
Accessibility Marking w/ border (White)	5
Accessibility Marking w/ border (Blue)	9
AHEAD Word Marking	30
ONLY Word Marking	21
SCHOOL Word Marking	33
STOP Word Marking	22
YIELD Word Marking	24

Blue background when border specified in the Striping Plans

White border when specified in the Striping Plans

3" Minimum

U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION WESTERN FEDERAL LANDS HIGHWAY DIVISION **U.S. CUSTOMARY DETAIL** 3" R **PAVEMENT MARKINGS** SYMBOLS AND WORDS DETAIL APPROVED FOR USE 3/2003 DETAIL NO SCALE REVISED: 11/2006 10/2007 W634-1



		STATE	PROJECT	SHEET NUMBER					
E:									
e pavement	word and symbol	marking	s in accordance	ce					
the "Manua ent edition.	I on Uniform Traffi	c Contr	ol Devices'' (M	UICD),					
	uple and sympholes		nforme with the						
ndard Highw	rais and symbols s ay Signs", current	edition	niorm with the 1.						
Accoscibility	Parking Enaco ma	nkina a	nly includes th						
ssibility sym	bol unless a borde	er is ind	icated in the	e					
ing Plans.									
ensions with	out units are millir	neters.							
		DVT		6					
PA		KKI	NG AREA	3					
	TYPE		m	1 ²					
Through L	ane-Use Arrow		1	.1					
Turn Lane	-USE AITOW Through Lang-Lise	Arrow	1.	5					
Yield Ahe	ad Triangle (V<70	km/h)	2.	4					
Yield Ahe	ad Triangle (V≥70 ad Triangle (V≥70	km/h)	3.	.3					
Accessibil	ity Marking (symb	ol only)) 0,	.1					
Accessibil	ity Marking w/ bor	der (W	hite) 0.	.5					
Accessibil	ity Marking w/ bor	der (Bl	ue) 0.	.8					
AHEAD W	ord Marking		2.	.8					
ONLY Wo	rd Marking		2.	.0					
SCHOOL	Word Marking		3	.1					
STOP WOI	rd Marking		2.	.0					
TIELD WO	га магкіпу		Z.	,2					
Dive he die	union di suban banda								
specified in	rouna wnen borae the Stripina Plans								
White borde	er when specified								
in the Strip	ing Plans								
imum									
	U.S. DFF	ARTMENT	OF TRANSPORTAT	ION					
	FEDER								
	WESTERN			A12101A					
R	_								
	PAVEI	MEN	r Markii	NGS					
3	SYMB	OLS		RDS					
SCALE	DETAIL APPROVI	ED FOR USE	12/2000	DETAIL					
	REVISED: 3/2003 11/20	JO 10/200	,	WM634-1					



	9	STATE	PROJECT	SHEET NUMBER
	L			
DTE:				
ace edge line	pavement markings	at asp	halt/concrete	
rb Interface (int centerline rve widening e roadway. I roughout the	wnen curb is present. e pavement markings i "w" to achieve equal Maintain a constant sl e curve widening area.	on cu lane i houlde See	rves with widths within er width "s" staking details	5
typical paver se wider paver	ment marking width or ement markings width or ement markings when	f 4" is speci	shown. fied on the	
ans or when a	required by the maint	aining	agency.	
— Inc	rease spacing betwee	n para	allel lines	
whi req	en specified in the pla nuired by the maintain	ins or ing ag	when jency	
ed in plans				
	U.S. DEPAI FEDERAL WESTERN FED	RTMENT HIGHW	OF TRANSPORTAT AY ADMINISTRATIO	ION DN VISION
	U.S. (CUSTO	MARY DETAIL	
		LIN		
	PAVEM	EN1		NGS
O SCALE	DETAIL APPROVED REVISED:	FOR USE	10/2007	detail W634-2



	STATE	PROJECT	SHEET NUMBER
TE:			
e edae line navement marki	nas at asn	halt/concrete	
b interface when curb is pres	ent.		
nt centerline pavement marki ve widening "w" to achieve ed roadway. Maintain a consta oughout the curve widening a curve widening transition loc	ings on cu qual lane nt shoulde area. See ations.	rves with widths within er width "s" staking details	5
rpical pavement marking wid wider pavement markings w as or when required by the m	th of 100 when speci maintaining	mm is shown. fied on the 1 agency.	
ensions without units are mi	illimeters		
Increase spacing bet	ween para	allel lines	
when specified in the reauired by the mair	e plans or ntaining ag	when jency	
	icaning ag	, c c ,	
i in plans			
U.S. I	DEPARTMENT	OF TRANSPORTAT	
WESTERI	N FEDERAL L	ANDS HIGHWAY DI	VISION
	METRI	C DETAIL	
	LIN	NEAR	
	EMENT	MARKI	NGS
		10/2007	
SCALE DETAIL APPR REVISED:	UVED FOR USE	10/2007	DETAIL WM634-2
			11110JT-2



١	I TABLE					Notch depth
l	ER OF SIGN H	HEIGHT (Z)				See table
		Z IS GREATE	R THAN	10'		
-	NUMBER OF POSTS	POST SIZE	D	HOLE SIZE	NOTCH DEPTH	E Post
	1 or 2	4" x 6" 4" x 4"	48" 36"	1½" 0	0 0	Field drill
	1 or 2	4" x 6" 4" x 4"	48" 36"	1½" 0	0 0	parallel to See table
	1 or 2	6" x 8" 4" x 6"	48" 48"	3" 1½"	0 1¾"	See table for post
	2	4" x 6"	48"	1½"	1¾"	
	2	4" x 6"	48"	1½"	1¾"	
	2	6" x 8"	48"	3"	2¼"	

		GROUNDLINE TO CENTER OF SIGN HEIGHT (Z)											
SIGN	X×Y		Z IS 10' OR LESS					Z IS GREATER THAN 10'					
SHAPE		NUMBER OF POSTS	POST SIZE	D	HOLE SIZE	NOTCH DEPTH	NUMBER OF POSTS	POST SIZE	D	HOLE SIZE	NOTCI DEPTH		
$\Diamond \bigcirc$	30" x 30"	1	4" x 4"	36"	0	0	1 or 2	4" x 6" 4" x 4"	48" 36"	1½" 0	0 0		
$\Diamond \circ \circ$	36" x 36"	1 or 2	4" x 6" 4" x 4"	48" 36"	1½" 0	0 0	1 or 2	4" x 6" 4" x 4"	48" 36"	1½" 0	0 0		
$\Diamond \bigcirc$	48" x 48"	1	4" x 6"	48"	1½"	0	1 or 2	6" x 8" 4" x 6"	48" 48"	3" 1½"	0 1¾"		
	60" x 30"	2	4" x 4"	36"	0	0	2	4" x 6"	48"	1½"	1¾"		
	78" x 42"	2	4" x 6"	48"	1½"	1¾"	2	4" x 6"	48"	1½"	1¾"		
	96" v 48"	2	1" x 6"	18"	11/."	13/."	2	6" v 8"	18"	2"	21/."		

Μ



		W	OOD PO	ST S	ELEC	CTION	I TABLE				
			(GROUN	UNDLINE TO CENTER OF SIGN HEIGHT (Z)						
SIGN	X×Y		Z IS 3 m (OR LESS	5		Z	Z IS GREATER	R THAN	3 m	
SHAPE		NUMBER OF POSTS	POST SIZE	D	HOLE SIZE	NOTCH DEPTH	NUMBER OF POSTS	POST SIZE	D	HOLE SIZE	NOTCH DEPTH
$\Diamond \bigcirc$	750 x 750	1	100 x 100	900	0	0	1 or 2	100 x 150 100 x 100	1200 900	40 0	0 0
$\Diamond 00$	900 x 900	1 or 2	100 x 150 100 x 100	1200 900	40 0	0 0	1 or 2	100 x 150 100 x 100	1200 900	40 0	0 0
$\Diamond \bigcirc$	1200 x 1200	1	100 x 150	1200	40	0	1 or 2	150 x 200 100 x 150	1200 1200	75 40	0 45
	1500 x 750	2	100 x 100	900	0	0	2	100 x 150	1200	40	45
	1950 x 1050	2	100 x 150	1200	40	45	2	100 x 150	1200	40	45
	2400 x 1200	2	100 x 150	1200	40	45	2	150 x 200	1200	75	60



POST DETAIL

		STATE	PROJECT	SHEET NUMBER
TE:	1	6 ว		
acn sign pane	is with a minimun	1 OF 2 -	M6 Doits per p	OST.
signs sma signs not sho	own, use next larg	a singi est size	e 100 x 100 pc	IST.
and H2 = Ov fie	verall post length. Id conditions.	Select	post lengths to	fit
= Post embed	ment depth for av	erage s	oil conditions.	
en pedestrian bstructed, us	es are present, or e 2.1 m minimum	in areas mount	where the vie ing height.	W
nish hardwar Customary si not available	e in the metric size izes may be used i	es show when m	n. Equivalent etric sizes	
nensions with	out units are millii	neters.		
-	N			
	90°			
				-
- Local tanger	nt		93°	
angent alignm	nent 93°	6	0 m	
			►	
SIGN	I INSTALLA	TIO	N ANGLE	
חד				
,				
, -				
es through po gn face.	ost			
nole size				
	U.S. DEI FEDER	PARTMENT	OF TRANSPORTAT	ION DN
	WESTERN F	EDERAL L	ANDS HIGHWAY DI	VISION
	CONS	TRU	CTION S	(GN
	IN	ISTA		
SCALE	DETAIL APPROV			DFTATI
	REVISED:			WM635-20



		STATE	PROJECT	SHEET NUMBER					
DTE:									
ove mailbox tu tersection curv	rnout so that it re radii.	does not o	overlap the						
o not skew ma proach may b dius from the l own in the Ma r side of appro stances cannol	ilbox turnouts, I e skewed as sho roadway should ilbox Turnout D ach road entran t be obtained.	however, t own. Blenc er to the t etail. Place nces unless	he adjacent I the approach urnout shoulder as e mail boxes on the s the minimum						
e set back and ceptacles. Whe e mounted in o ceptacle below	l required suppo en the newspape combinations, m the bottom sur	ort also ap er recepta nount the i rface of the	ply to mailbox cles and mailboxes newspaper e mailbox.						
e the same pa e adjacent roa	vement structu dway section.	re for mai	lbox turnouts as for						
ailbox supports ASHTO Manual CHRP Report 3	s shall conform t for Assessing S 50.	to the requ afety Harc	uirements of the Iware (MASH) or						
sts may be 4" 5" to 2" diame	x 4" or 4" diam ter standard ste pot more than	eter wood eel or alum 24" in the	posts or inum pipe around						
sis ennueuueu	not more than	27 III UIC	yı vunu.						
RNOUT D	IMENSIO	N TAB	LE						
Width of	Turnout	Offset	to Mailbox						
PREFERRED	MINIMUM	PREFERRE	D MINIMUM						
> 12'	12'	8" to 12	"						
12'	10'	8" to 12	" 0						
10'	8'	8" to 12	"0						
8′	6'	8" to 12	<i>" 10"</i>						
6'	0	8" to 12	" 10"						
Not ap	plicable	8" to 12	" 6"						
	U.S.		OF TRANSPORTATION						
	WESTER	N FEDERAL L	ANDS HIGHWAY DIVISION						
		ILBOX							
	AND INSTALLATION								

NO SCALE

REVISED: DRAFT: 10/2009

DETAIL W646-1



		STATE		PROJECT		SHEET NUMBER
--						
<i>IE:</i>						
e mailbox tu rsection curv	rnout so that it d e radii.	oes not (overl	ap the		
not skew mai roach may be ius from the r wn in the Ma side of appro- ances cannot	ilbox turnouts, ho e skewed as show roadway shoulder ilbox Turnout Det ach road entrance be obtained.	wever, t n. Blend to the t ail. Place es unles	the a d the curno e ma s the	djacent approach ut shoulde il boxes of minimum	er as n the	
e set back and eptacles. Whe mounted in c eptacle below	l required suppor en the newspaper combinations, mo the bottom surfa	t also ap recepta unt the ace of th	oply t ocles news e ma	to mailbox and mailbo paper hilbox.	oxes	
the same pa adjacent roa	vement structure dway section.	for mai	ilbox	turnouts a	as for	
lbox supports SHTO Manual HRP Report 3	s shall conform to for Assessing Sai 50.	the req fety Hard	uiren dware	nents of th e (MASH)	ne or	
ts may be 10 ts or 38 mm e posts embe	0 mm x 100 mm to 50 mm diamet dded not more th	or 100 i er stand an 600 i	mm c lard s mm i	liameter w steel or all in the grou	vood uminun und.	n
nensions with	out units are mill	imeters.				
RNOUT D	DIMENSIO	N TAE	BLE			
Width of	Turnout	Offset	t to	Mailbox		
PREFERRED	MINIMUM P	REFERR	ED	MINIMUI	<u>v</u>	
> 3.6 m	3.6 M 2	200 to 30	20	0		
3.0 m	2.4 m 2	200 to 30	20	0		
2.4 m	1.8 m 2	200 to 30	00	200		
1.8 m	0 2	200 to 30	00	200		
Not app	plicable 2	200 to 30	00	150		
	1]	
	U.S. DE FEDER	PARTMENT		RANSPORTAT		
	WESTERN	METR	IC DE		1210N	
	MAI	LBO)		URNO	UT	
	AND	INS	TAI	LLATI	ON	
SCALE	DETAIL APPRO	VED FOR US	E/		DET	TAIL
	REVISED: DRAFT: 10/2009				WM6	46-1









UJanuary 2010 8:50 AN

1Draw\w64603.dgn [Metric]

NO 1. Op sid 2. Sup con









SINGLE MAILBOX MOUNT

DOUBLE MAILBOX MOUNT

MULTIPLE MAILBOX MOUNT

BRACKET MOUNT A



U.S. MAIL SINGLE SUPPORT 1 DOUBLE SUPPORT SYSTEM MULTIPLE SUPPORT SYSTEM

MAILBOX SUPPORT SYSTEM



Insert wedge behind support

SUPPORT FRAME

		STATE	PROJECT	SHEET NUMBER
TE:				
posite orient e of post is d	tation with wedge of allowable but not pr	n traffic eferred.	approach	
oport frame	and foundation are	proprie	tary products	
intercluty a				
7				
)				
I TFRN	ΔΤΙνε			
_ / _ / (/ / /				
raffic irection				
	U.S. DEF		OF TRANSPORTAT	ION
	WESTERN F	EDERAL L	ANDS HIGHWAY DI	VISION
	MAIL	вох	ASSEMB	SLY
		SER	IES C	
SCALE	DETAIL APPROV	/ED FOR US	E/	DETAIL

NO SCALE REVISED: DRAFT: 1/2010

1. Oppo side

2. Supp comi









SINGLE MAILBOX MOUNT

(u.s.)

DOUBLE MAILBOX MOUNT

MULTIPLE MAILBOX MOUNT

BRACKET MOUNT A





SUPPORT FRAME

		STATE	PROJECT	SHEET NUMBER
'Е:				
of post is a	llowable but not pr	n traffic eferred.	approacn	
oort frame a mercially av	and foundation are vailable.	proprie	tary products	
7				
//				
TERNA	TIVE			
affic rection				
	U.S. DEF		OF TRANSPORTAT	ION
	WESTERN F			VISION
	маті	BUA		
		SFR		
		5-11		
SCALE	DETAIL APPRON	/ED FOR US	E/	