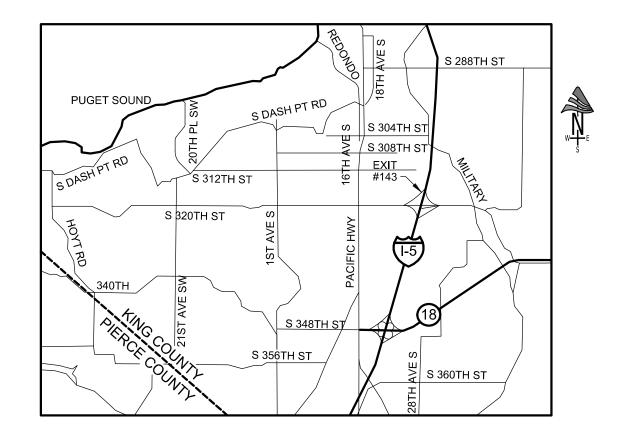
City of Federal Way Public Works Department Horizontal Curve Warning Signs

RFB Number: 20-006 Federal Aid Number: HSIP-000S(524)





APPROVED FOR CONSTRUCTION

DESIREE S. WINKLER P.E. DEPUTY PUBLIC WORKS DIRECTOR 9/14/20

DATE

ederal Way	CITY PROJECT #: 218
Irve Warning Sign	sнт. 1
et & Vicinity Map	OF 50

Horizonal Curve Warning Signs

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Legend

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Sign Post Number

Existing Sign

General Notes

1. Maintain and protect existing signs and posts unless otherwise noted.

2. See WSDOT Std. Plans G-24.50-05, and G-50.10-03 for type ST-2 sign support, and sign bracing details.

3. Sign braces are required for sign width of 48" (in) or greater. See WSDOT Std. Plan G-50.10-03.

4. Placement of all proposed sign posts may vary up to 10 feet longitudinally in the field. Relocation must work for both directions when multiple signs share a single sign post. Sign placement shall be adjusted when conflicts occur. Information shall be coordinated with Engineer in writing for locations that are outside of these parameters.

5. Contractor shall determine all existing underground utilities conflicts. Existing utilities shall be mainted and protected during construction.

6. See Sheet 43 for sign details and Sheet 44 for post height and typical sign installation detail.

7. Northings and Eastings, shown on the plans, shall be used as a guideline. Contractor shall layout and flag (stake) locations for the placement of signs in the field. The flagged locations shall be clear of any underground obstructions and meet minimum clearance requirements (W, V, and W3). Contractor shall coordinate flagged locations for review and approval by the engineer before finalizing proposed signing details. 8. Contractor shall include the W, V, and W3 dimensions for each sign and include the proposed signing information on the plans. These will be reviewed by the engineer and approved as corridor groups are completed. Upon completion, Contractor can begin fabrication and construction of foundations.

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City of	DRAWING VERSION / REVISION LOG			DRAFTED: DKS Associates			
City of	DATE REVISION	NO.	INVARD COM				
_			Han Carlon	DESIGNED: DKS Associates		lacktrian Sector	
Horizonal Cu			Forward and the			Centered on Opportunity 🌌	
-			TOPISTERES AN	REVIEWED: Brian Chandler		33325 8TH AVE S FEDERAL WAY, WA 98003	
l Index			09/14/2020	APPROVED:		PHONE: (253) 835-2700 WWW.CITYOFFEDERALWAY.COM	

of Federal Way	CITY PROJECT # 218
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k Sheet	OF 50



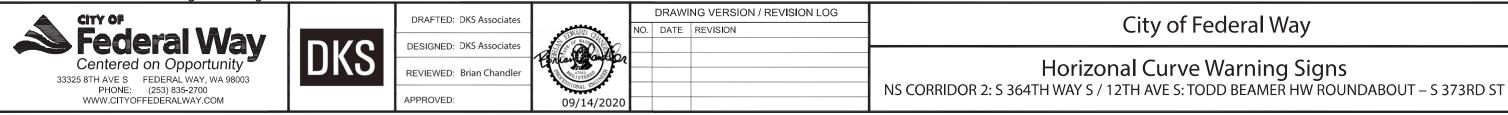
Corridor Number	Sign Doot Number	Troval Direction	Leastion (X-X)	DeatTree	Post Size	Sign Code	Sign Description	Sign Siz	e (inches)	
Corridor Number Sig	Sign Post Number	Traver Direction	Location (X, Y)	Post Type		Sign Code	Sign Description	Х	Y	
-	1	Northbound	47.26767, -122.32233	PSST	2.25" x 2.25"	W1-3R	Reverse Turn Right Warning Sign	30	30	
	I	Northbound	47.20707, -122.32233	P001	2.25 X2.25	W13-1P-20	Advisory Speed Plaque 20	18	18	
	2	Northbound	47 26701 122 22215	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
	2	Southbound	47.26791, -122.32215	F331	2.25 X2.25	W1-8L	Chevron Alignment Left	18	24	
	3	Northbound	47.26805, -122.32192	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
	3	Southbound	47.20003, -122.32192	F001		W1-8L	Chevron Alignment Left	18	24	
	4	Northbound	47.26814, -122.32165	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
2		Southbound				W1-8L	Chevron Alignment Left	18	24	
-	5	Northbound	47.2682, -122.32137	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
	5	Southbound	47.2002, -122.32137	F331	2.25 X2.25	W1-8L	Chevron Alignment Left	18	24	
	6	Northbound	47.26824, -122.32108	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
	0	Southbound	47.20024, =122.32100	F 331	PSST 2.25 X2.25	W1-8L	Chevron Alignment Left	18	24	
	7	Southbound	47.26876, -122.31973	PSST	2.25" x 2.25"	W1-3R	Reverse Turn Right Warning Sign	30	30	
-	1	Soumbound	47.20070, -122.31973	F331	2.23 X2.23	W13-1P-20	Advisory Speed Plaque 20	18	18	
	8	Southbound	47.26959, -122.31973	EX	EX	-	-	-	-	Rem spee

PSST: Perforated Square Steel Tube

EX: Existing

Notes 1. Maintain and protect existing signs and posts unless otherwise noted.

2. See Sheet 44 for Post Height and Sign Installation Details.



Remarks

move existing Turn Right Warning Sign, post and 20 mph eed plaque.

City of Federal Way

FINAL SUBMITTAL CITY PROJECT #:

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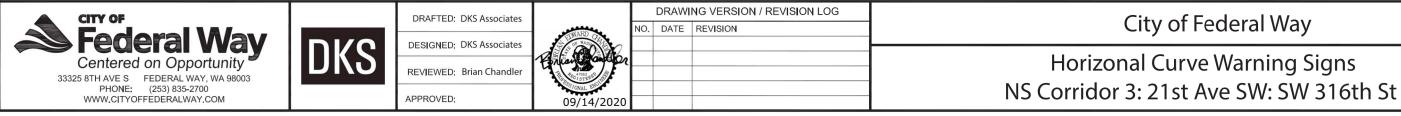
218 SHT. 3 OF 50

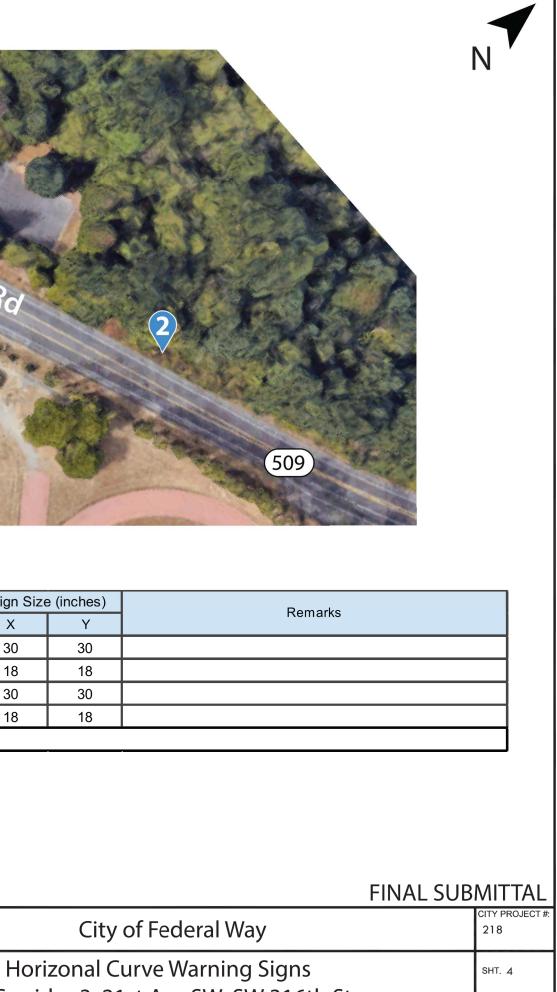


Corridor Number Sign Post Num	Sign Doot Number				Post Size	Post Size Sign Code			Sign Size (inches)	
	Sign Post Number	Travel Direction	Location (X, Y)	Post Type			Sign Description	Х	Y	
2	1	1 Northbound	47.31969, -122.36083	PSST	2.25" x 2.25"	W1-10fR	Turn Right with Intersection Warning Sign	30	30	
						W13-1P-30	Advisory Speed Plaque 30	18	18	
3	0	2 Southbound	47.32149, -122.3586	PSST	2.25" x 2.25"	W1-10fL	Turn Left with Intersection Warning Sign	30	30	
	2					W13-1P-30	Advisory Speed Plaque 30	18	18	
PSST: Perforated	d Square Steel Tub	e								

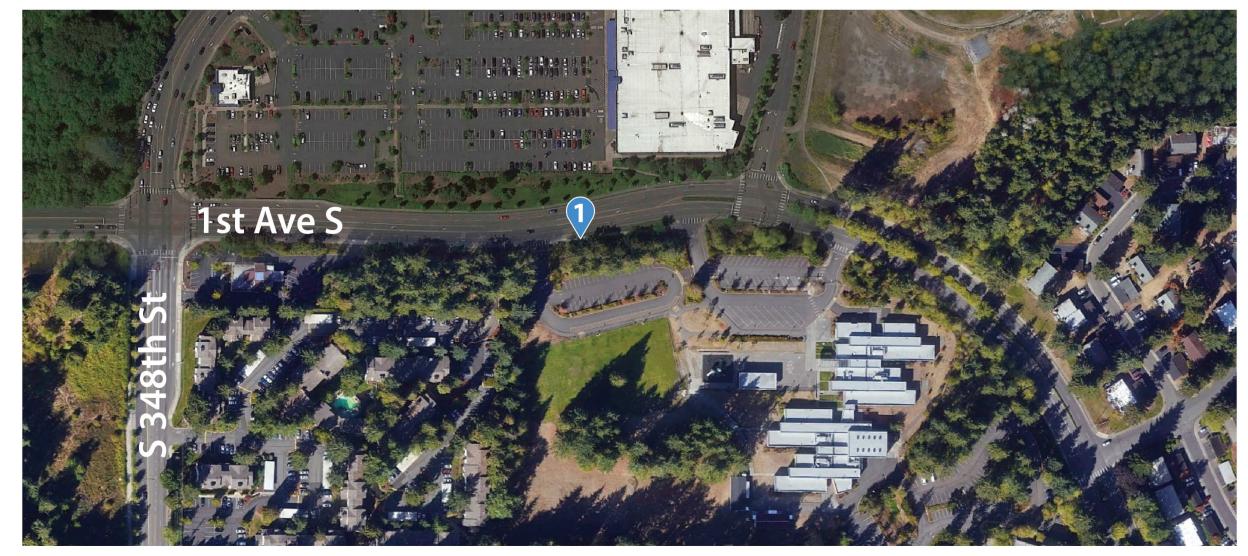
1. Maintain and protect existing signs and posts unless otherwise noted.

2. See Sheet 44 for Post Height and Sign Installation Details.



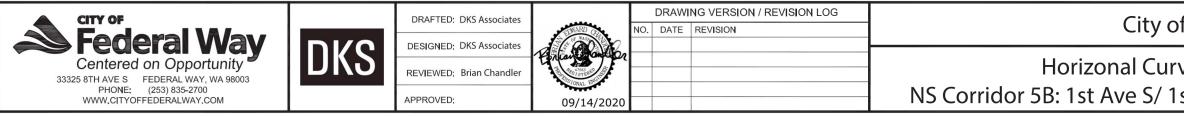


OF 50



Corridor Number Sign Post Nu	Sign Post Number	gn Post Number Travel Direction	Location (X, Y) P	PostType	Post Size	Sign Code	Sign Code Sign Description	Sign Size	e (inches)	
	Sign Fost Number			FUSIType		POSt Size	POSt Size	r rype Post Size	FUST SIZE	Sign Code
5D	5B 1 Northbound	Northbound 47	47 20244 422 22457	PSST	2.25" x 2.25"	W1-1R	Turn Right Warning Sign	36	36	
58		47.29214, -122.33457 PS	F331	2.25 X2.25	W13-1P-30	Advisory Speed Plaque 30	18	18		
PSST: Perforated	d Square Steel Tub	e								,

- 1. Maintain and protect existing signs and posts unless otherwise noted.
- 2. See Sheet 44 for Post Height and Sign Installation Details.



Remarks

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of Federal Way	218
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st Way S: City Limit - S 293rd Pl	OF 50

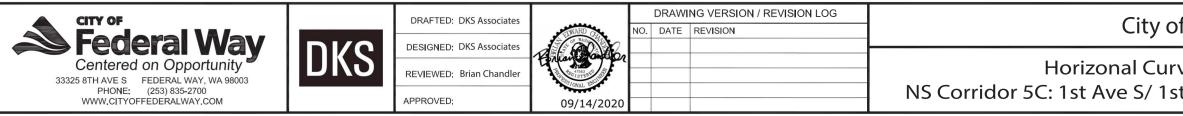


Corridor Number Sign Post N	Sign Doot Number	Traval Direction		Deat Type	Post Size	Sign Code	Cada Cizz Description		Sign Size (inches)		
	Sign Post Number	Travel Direction	Location (X, Y)	PostType		Sign Code	Sign Description	Х	Y		
	1	Northbound	47.27173, -122.33741	EX	EX	W1-5L	Winding Road Left Warning Sign	30	30	R	
5C -	2	Soutthbound	47.27221, -122.3361	PSST	2.25" x 2.25"	W1-6L	Large Arrow Left	48	24		
	2	3 Southbound	47.27326, -122.33487	EX	EX	W1-5R	Winding Road Right Warning Sign	30	30	R	
	5	Soumbound	47.27320, -122.33467			W13-1P-15	Advisory Speed Plaque 15	18	18	Γ	
PSST: Perforated	d Square Steel Tub	e									

EX: Existing

Notes

- 1. Maintain and protect existing signs and posts unless otherwise noted.
- 2. See Sheet 44 for Post Height and Sign Installation Details.



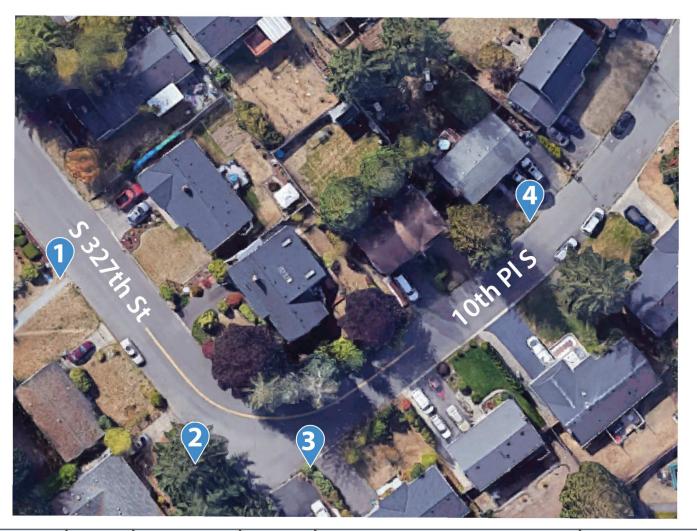
Remarks

Replace existing Curve Left Warning Sign.

Replace existing Reverse Curve Right Warning Sign.

FINAL SUBMITTAL

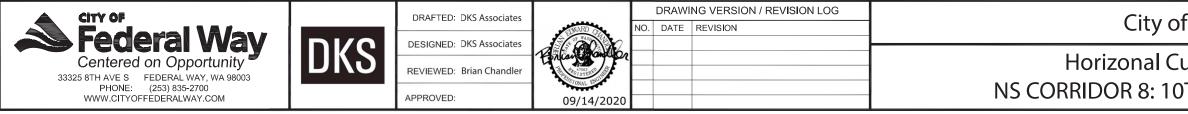
f Fadaral May	CITY PROJECT #:
of Federal Way	218
ve Warning Signs st Way S: SW 366th St - 1st Way S	sht. 6 оf 50



Corridor Numbor	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Code Sign Description		e (inches)	Γ
	Sign Fost Number	Traver Direction		FUSIType	FOST SIZE	Sign Code	Sign Description	Х	Y	
	1	Northbound	47.31033, -122.32074	PSST	2.25" x 2.25"	W1-1L	Turn Left Warning Sign	30	30	
		Northbound	47.51055, -122.52074	F 331	2.23 X2.23	W13-1P-10	Advisory Speed Plaque 10	18	18	
	2	Southbound	47.31058, -122.32028	PSST	2.25" x 2.25"	W1-6R	Large Arrow Right	48	24	Γ
8	3	Southbound	47.31072, -122.3203	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	Γ
	5	Northbound	47.31072, -122.3203	F 331	2.23 X2.23	W1-8L	Chevron Alignment Left	18	24	Γ
	4	Southbound	47 21105 102 22022	PSST	2.25" x 2.25"	W1-1R	Turn Right Warning Sign	30	30	Γ
	4	Soundound	47.31105, -122.32083	F 331	2.25° X 2.25°	W13-1P-15	Advisory Speed Plaque 15	18	18	
PSST: Perforated	d Square Steel Tub	e								

1. Maintain and protect existing signs and posts unless otherwise noted.

2. See Sheet 44 for Post Height and Sign Installation Details.





	CITY PROJECT #: 218
Eurve Warning Signs	SHT. 7
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har Sign Doot Numb	Troval Direction		Deat Time	Deat Size	Sign Code	Sign Description	Sign Size	e (inches)	
iber Sign Post Numbe	ar Traver Direction	Location (A, T)	PostType	Post Size	Sign Code	Sign Description	Х	Y	
1	Northbound	47.282, -122.36188	EX	EX	W13-1P-10	Advisory Speed Plaque 10	18	18	Replace existing 1 Left Warning Sign.
2	Northbound	47 292 122 26124	EV	EY	W1-8R	Chevron Alignment Right	18	24	Replace existing cl
2	Southbound	47.202, -122.30134		EX I	W1-8L	Chevron Alignment Left	18	24	
2	Northbound	47 29201 122 26119	EV	EX EX	W1-8R	Chevron Alignment Right	18	24	Replace existing cl
5	Southbound	47.20201, -122.30110			W1-8L	Chevron Alignment Left	18	24	
4	Northbound	47 28208 -122 36105	Dest	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
4	Southbound	47.20200, -122.30103	F 331		W1-8L	Chevron Alignment Left	18	24	
5	Northbound	47 28210 122 36100	Deet	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
5	Southbound	47.20219,-122.30100	F 331	2.23 x2.23	W1-8L	Chevron Alignment Left	18	24	
6	Southbound	47.28239, -122.36119	EX	EX	W13-1P-10	Advisory Speed Plaque 10	18	18	Replace existing 1 Right Warning Sigr
	1 2 3 4 5	1 Northbound 2 Northbound 3 Northbound 3 Northbound 4 Northbound 5 Northbound Southbound Southbound	Northbound 47.282, -122.36188 2 Northbound 3 Northbound 4 Northbound 4 Northbound 4 Northbound 5 Northbound 4 Northbound 5 Northbound 47.28219, -122.36100	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	$ \begin{array}{ c c c c c c } \hline \begin{tabular}{ c c c c } \hline \begin{tabular}{ c c c c } \hline \begin{tabular}{ c c c c } \hline \end{tabular} \\ \hline tabula$	1 Northbound 47.282, -122.36188 EX EX EX W13-1P-10 Advisory Speed Plaque 10 2 Northbound 47.282, -122.36188 EX EX EX W1-8R Chevron Alignment Right 3 Northbound 47.282, -122.36134 EX EX EX W1-8R Chevron Alignment Left 3 Northbound 47.28201, -122.36118 EX EX EX W1-8R Chevron Alignment Left 3 Northbound 47.28201, -122.36118 EX EX W1-8R Chevron Alignment Left 4 Northbound 47.28208, -122.36105 PSST 2.25" x 2.25" W1-8R Chevron Alignment Left 5 Northbound 47.28219, -122.36100 PSST 2.25" x 2.25" W1-8R Chevron Alignment Left 5 Northbound 47.28219, -122.36100 PSST 2.25" x 2.25" W1-8R Chevron Alignment Left 5 Northbound 47.28219, -122.36100 PSST 2.25" x 2.25" W1-8R Chevron Alignment Left 5 Northbound 47.28219, -122.36100 PSST 2.25" x 2.25" W1-8R Chev	Sign Post Number Travel Direction Location (X, Y) Post Type Post Size Sign Code Sign Description X 1 Northbound 47.282, -122.36188 EX EX EX W13-1P-10 Advisory Speed Plaque 10 18 2 Northbound 47.282, -122.36134 EX EX EX W1-8R Chevron Alignment Right 18 3 Northbound 47.282, -122.36134 EX EX EX W1-8R Chevron Alignment Right 18 3 Northbound 47.28201, -122.36118 EX EX EX W1-8R Chevron Alignment Left 18 4 Northbound 47.28208, -122.36105 PSST 2.25" x 2.25" W1-8R Chevron Alignment Left 18 5 Northbound 47.28208, -122.36100 PSST 2.25" x 2.25" W1-8R Chevron Alignment Left 18 5 Northbound 47.28219, -122.36100 PSST 2.25" x 2.25" W1-8R Chevron Alignment Left 18 5 Northbound 47.28219, -122.36100 PSST 2.25" x 2.25" W1-8R Chevron Alignment Left 18 5 Northbound 47.28219, -122.36100 PSST 2.25" x 2.25" W1-8R Chevron Alignment Left	$\frac{1}{1} + \frac{1}{1} + \frac{1}$

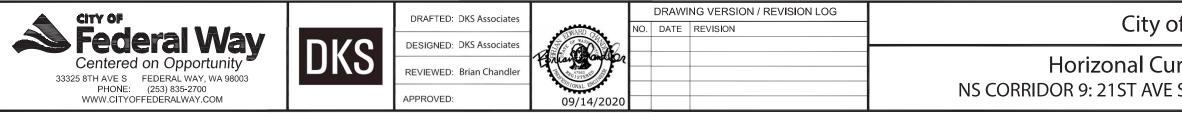
PSST: Perforated Square Steel Tube

EX: Existing

Notes

1. Maintain and protect existing signs and posts unless otherwise noted.

2. See Sheet 44 for Post Height and Sign Installation Details.







Remarks

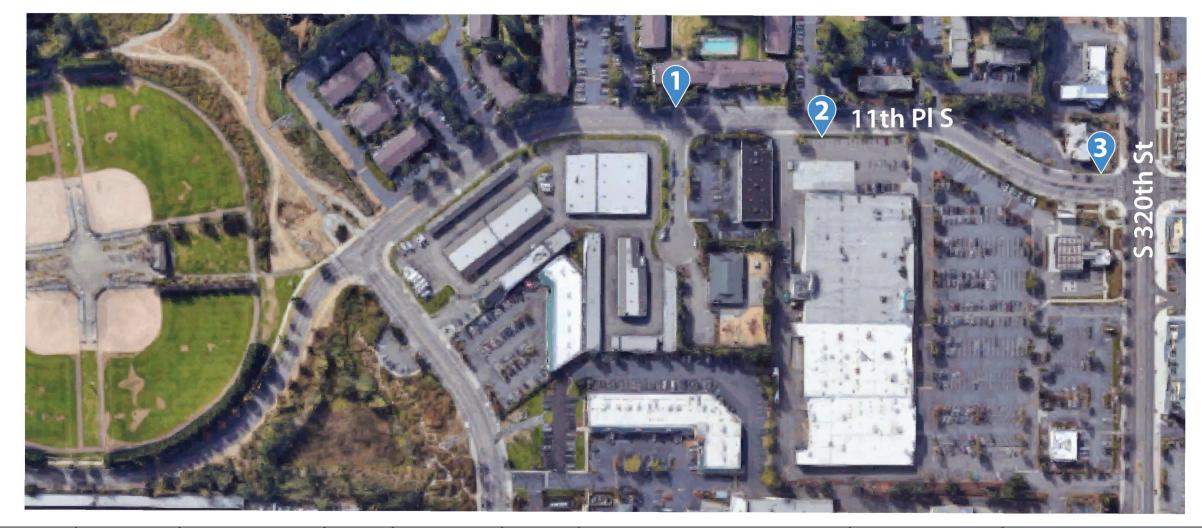
15 mph speed plaque. Maintain existing Turn n.

chevron.

chevron.

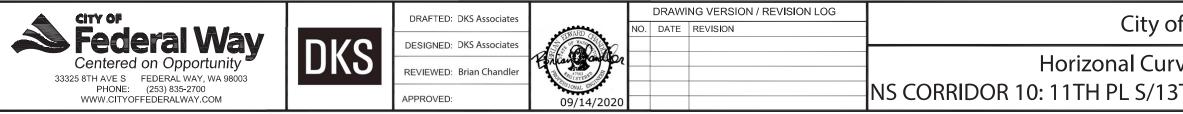
g 15 mph speed plaque. Maintain existing Turn ign.

of Federal Way	CITY PROJECT #: 218
rve Warning Signs	SHT. 8
SW: SW 356TH ST – 64TH AVE NE	OF 50



orridor Number S		(Troval Direction	Location (V V)	Deet Tree	Post Size	Sign Code	Sign Departmention		e (inches)
		Traver Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Х	Y
	1	Southbound	47.31259, -122.31922	PSST	2.25" x 2.25"	W1-1L	Turn Left Warning Sign	30	30
L	I	Southbound	47.31239, -122.31922	F331	2.25 x2.25	W13-1P-25	Advisory Speed Plaque 25	18	18
10	2	Northbound	47.31344, -122.31899	PSST	2.25" x 2.25"	W1-3R	Reverse Turn Right Warning Sign	30	30
	2	Northbourid	47.31344, -122.31899	F 551	2.25 x2.25	W13-1P-20	Advisory Speed Plaque 20	18	18
	2	Southbound	47.31494, -122.31868	PSST	2.25" x 2.25"	W1-3R	Reverse Turn Right Warning Sign	30	30
	3 Southbound		47.31494, -122.31000	F 331	2.25 X2.25	W13-1P-25	Advisory Speed Plaque 25	18	18

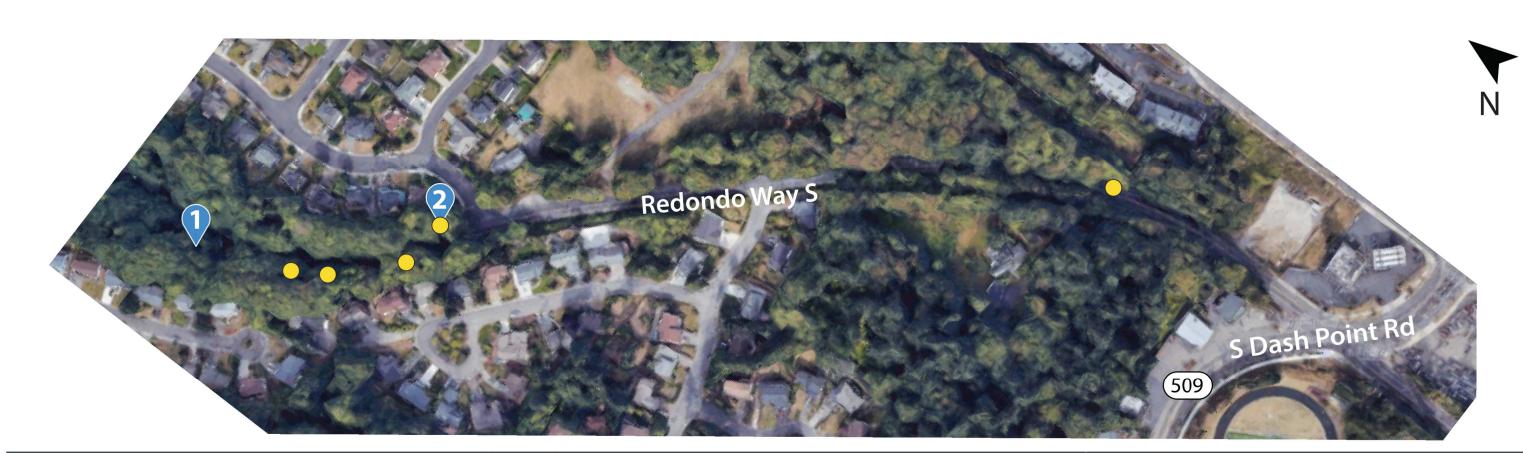
- 1. Maintain and protect existing signs and posts unless otherwise noted.
- 2. See Sheet 44 for Post Height and Sign Installation Details.



Remarks

FINAL SUBMITTAL

of Federal Way	CITY PROJECT #: 218
ve Warning Signs 3TH AVE S: S 320TH ST / S 328TH ST	SHT. 9
5111 AVE 5. 5 520111 51 / 5 520111 51	0F 50

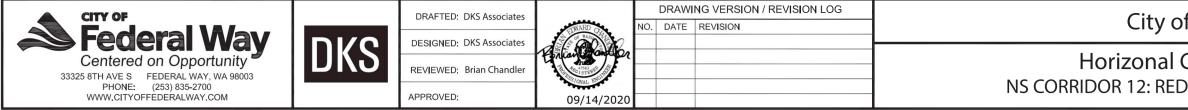


Corridor Numb	er Sign Post Number	Traval Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size (inches)		Γ
	er Sign Föst Number	Traver Direction		PostType	POSt Size	Sign Code	Sign Description	Х	Y	
	1	Southbound	47.34166, -122.31846	PSST	2.25" x 2.25"	W1-1L	Turn Left Warning Sign	30	30	Γ
12	'	Southbound	47.34100, -122.31640	F331	1 2.25 X2.25	W13-1P-30	Advisory Speed Plaque 30	18	18	Γ
12	2	Northbound	47.34044, -122.31722	EX	EX	W1-1R	Turn Right Warning Sign	30	30	R
	2	Normbound	47.34044, -122.31722			W13-1P-30	Advisory Speed Plaque 30	18	18	Γ

Notes

1. Maintain and protect existing signs and posts unless otherwise noted.

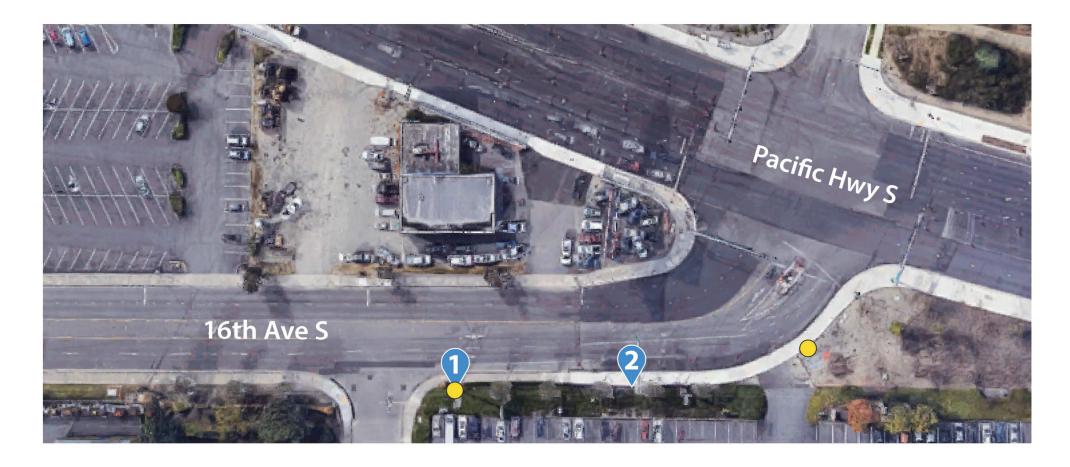
2. See Sheet 44 for Post Height and Sign Installation Details.



Remarks

Replace existing Curve Right Warning Sign.

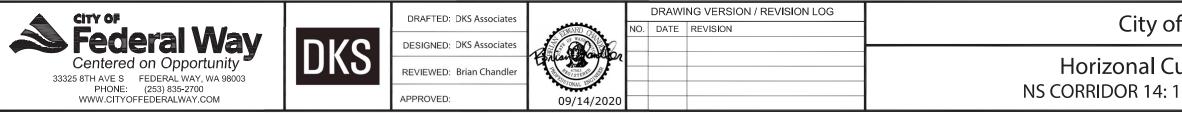
of Federal Way	CITY PROJECT #: 218
Curve Warning Signs	SHT. 10
DONDO WAY S: CITY LIMIT/ SR 509	ОF 50



Corridor Number	Sign Doot Number	Travel Direction	Location (X_X)	Post Type	Doot Sizo	Sign Code Sign Description		Sign Size	e (inches)	Γ
	Sign Post Number	Traver Direction	Location (X, Y)	PostType	e Post Size Sign Code		Sign Description	Х	Y	
						W1-1L	Turn Left Warning Sign	36	36	R
14	1	Northbound	47.29583, -122.31333	EX	EX	W13-1P-10	Advisory Speed Plaque 10	18	18	R pl
	2	Southbound	47.29621, -122.31333	PSST	2.25" x 2.25"	W1-6R	Large Arrow Right	48	24	

Notes

- 1. Maintain and protect existing signs and posts unless otherwise noted.
- 2. See Sheet 44 for Post Height and Sign Installation Details.



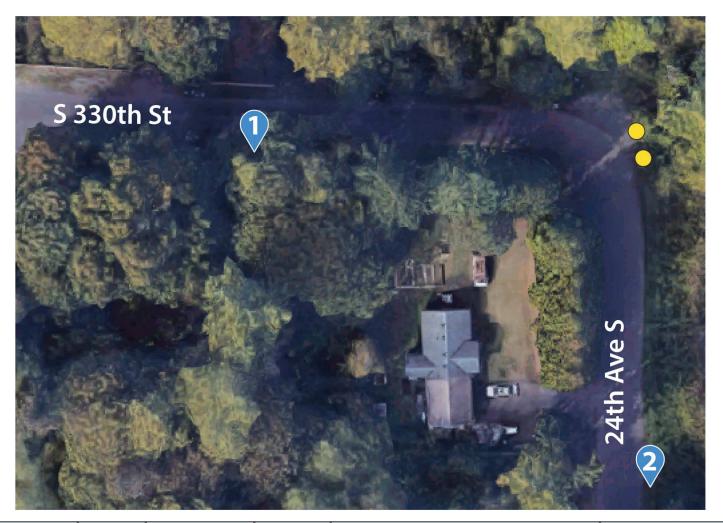
Remarks

Replace existing Curve Left Warning Sign.

Replace existing 20 mph speed plaque with 10 mph speed plaque.

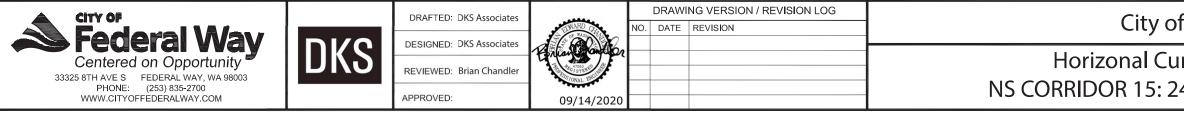
FINAL SUBMITTAL

of Federal Way	CITY PROJECT #: 218
urve Warning Signs 16TH AVE S AND S 340TH ST	SHT. 11 OF 50



	Corridor Number	Sign Post Number	Travel Direction	Location (X, Y)	PostType	Post Size	Sign Code	Sign Description	Sign Size (inches)		Γ
							Sign Code	Sign Description	Х	Y	
		1	Southbound	47.30601, -122.30368	PSST	2.25" x 2.25"	W1-1R	Turn Right Warning Sign	30	30	
	15					2.23 x 2.23	W13-1P-15	Advisory Speed Plaque 15	18	18	
		2	Northbound	47.30556, -122.30284	PSST	2.25" x 2.25"	W1-1L	Turn Left Warning Sign	30	30	
							W13-1P-15	Advisory Speed Plaque 15	18	18	Γ
	PSST: Perforated	d Square Steel Tub	e								

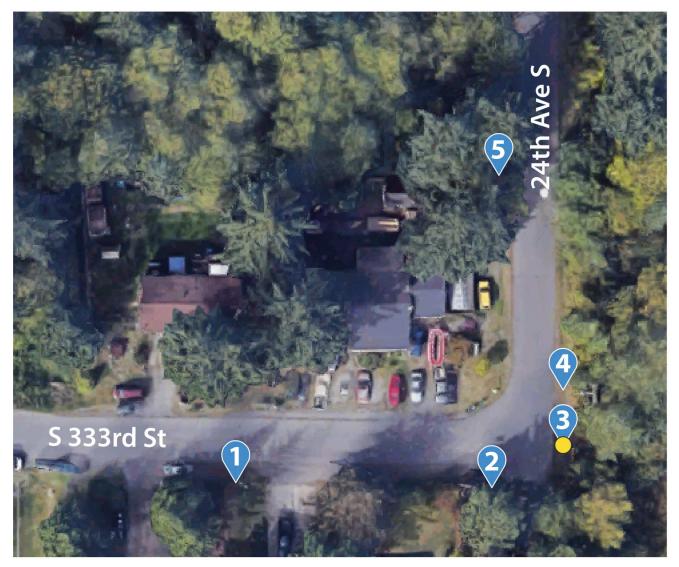
- 1. Maintain and protect existing signs and posts unless otherwise noted.
- 2. See Sheet 44 for Post Height and Sign Installation Details.



N

Remarks

of Federal Way	CITY PROJECT #: 218
urve Warning Signs 24TH AVE S AT S 330TH ST	SHT. 12 ОБ 50
	of 50



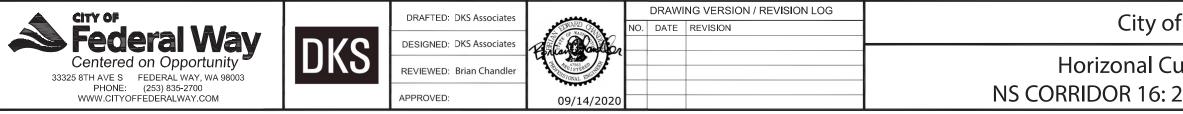
Comidon Numbers	Cian Deet Number	Travel Direction	Location (X, X)	Deat Time	Deat Size	Ciara Carda	Ciara Descariation	Sign Size	e (inches)	
	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Х	24 24 24 24 24	1
	1	Northbound	47.30297, -122.30349	PSST	2.25" x 2.25"	W1-1L	Turn Left Warning Sign	30	30	
	1	Northbourid	47.30297,-122.30349	P331		W13-1P-15	Advisory Speed Plaque 15	18	18	
	2	Southbound	47.30297, -122.30304	EX	EX	W1-8R	Chevron Alignment Right	18	24	
		Northbound			LA	W1-8L	Chevron Alignment Left	18	24	Mount to
16	3	Southbound	47.30301, -122.30285	EX	EX	W1-8R	Chevron Alignment Right	18	24	Mount to
16		Northbound	47.30301, -122.30265			W1-8L	Chevron Alignment Left	18	24	
	4	Southbound	47 20208 422 20205	EX		W1-8R	Chevron Alignment Right	18	24	
	4	Northbound	47.30308, -122.30285		EX	W1-8L	Chevron Alignment Left	18	24	Mount to
		Coutbbound	47 20227 422 20206	DOOT	2.25" x 2.25"	W1-1R	Turn Right Warning Sign	30	30	
	5	Southbound 47.30337, -122.302	47.30337, -122.30296	PSST	2.25" x 2.25"	W13-1P-10	Advisory Speed Plaque 10	18	18	
PSST: Perforated	d Square Steel Tub	e			-			-	<u></u>	-

EX: Existing

Notes

1. Maintain and protect existing signs and posts unless otherwise noted.

2. See Sheet 44 for Post Height and Sign Installation Details.





Remarks

to existing utility pole.

to existing street name post.

to existing utility pole.

f Federal Way	CITY PROJECT #: 218
urve Warning Signs	SHT. 13
24TH AVE S AT S 333RD ST	OF 50

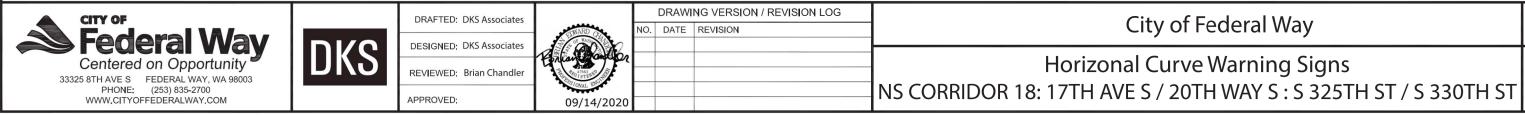


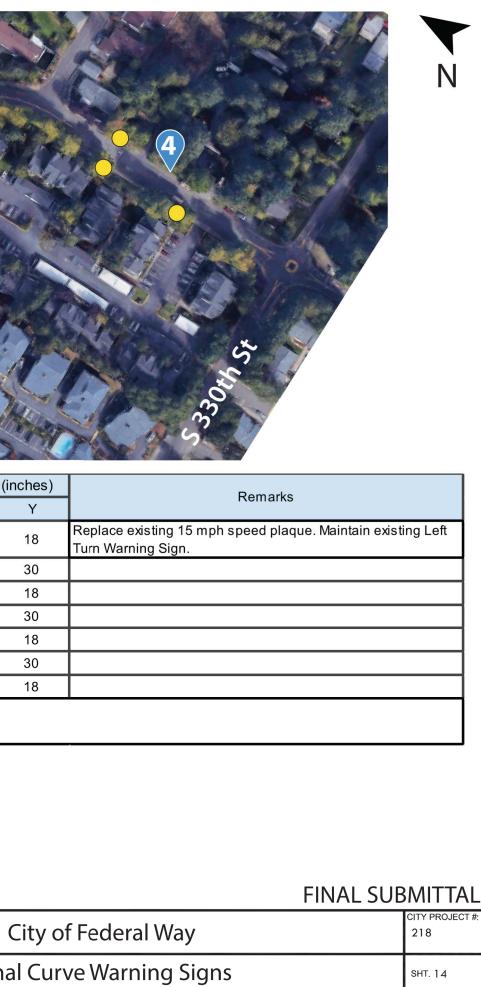
Corridor Number	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	e Post Size	Sign Code	Sign Description	Sign Size	e (inches)
	Sign Post Number					Sign Code	Sign Description	Х	Y
	1	Southbound	47.31001, -122.31197	EX	EX	W13-1P-10	Advisory Speed Plaque 10	18	18
	2	Northbound	47.3098, -122.31112	PSST	2.25" x 2.25"	W1-1R	Turn Right Warning Sign	30	30
						W13-1P-10	Advisory Speed Plaque 10	18	18
18	3	Southbound	47.30832, -122.30922	PSST	2.25" x 2.25"	W1-3L	Reverse Turn Left Warning Sign	30	30
						W13-1P-20	Advisory Speed Plaque 20	18	18
	4	4 Northbound	47.3067, -122.30745	PSST	2.25" x 2.25"	W1-3L	Reverse Turn Left Warning Sign	30	30
						W13-1P-20	Advisory Speed Plaque 20	18	18

Notes

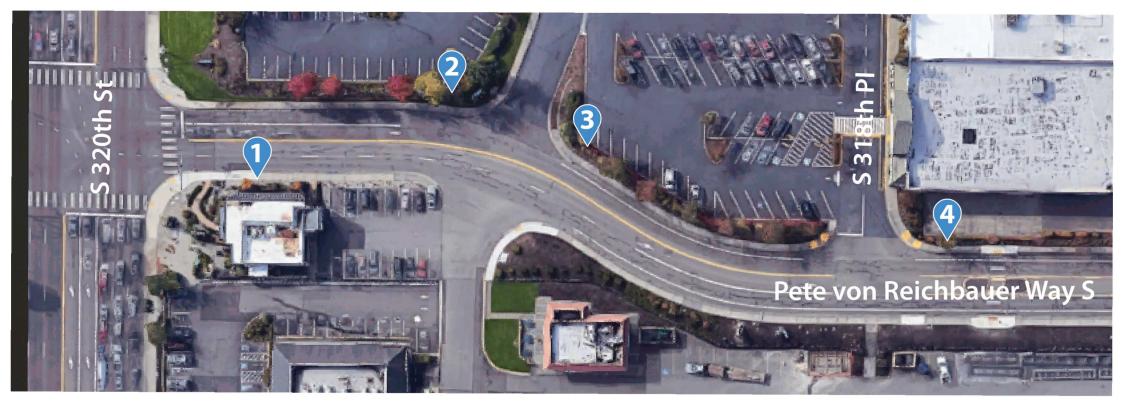
1. Maintain and protect existing signs and posts unless otherwise noted.

2. See Sheet 44 for Post Height and Sign Installation Details.





WAY 5:53251H 51 / 53301H 51 o	F 50
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Corridor Number	Sign Post Number	Traval Direction	Location (X, Y)	Deat Type	Post Size	Sign Code	Sign Description	Sign Size (inches)		Remarks
Comdor Number	Sign Fost Number	Traver Direction		Post Type		Sign Code	Sign Description	Х	Y	Remarks
	1	Northbound	47.31546, -122.3084	PSST	2.25" x 2.25"	W1-3R	Reverse Turn Right Warning Sign	36	36	
		Northbound	47.31340, -122.3004	1 331		W13-1P-20	Advisory Speed Plaque 20	18	18	
19	2	Southbound	47.31579, -122.30865	PSST	2.25" x 2.25"	W1-6L	Large Arrow Left		24	
19	3	Northbound	47.31605, -122.3085	PSST	2.25" x 2.25"	W1-6R	Large Arrow Right	48	24	
	Λ	Southbound	47.31674, -122.30823	PSST	2.25" x 2.25"	W1-3R	Reverse Turn Right Warning Sign	36	36	
	4	Southbound	47.51074, -122.50025	F331	2.23 x 2.23	W13-1P-20	Advisory Speed Plaque 20	18	18	
PSST: Perforated	Square Steel Tube	e								

Maintain and protect existing signs and posts unless otherwise noted.
 See Sheet 44 for Post Height and Sign Installation Details.



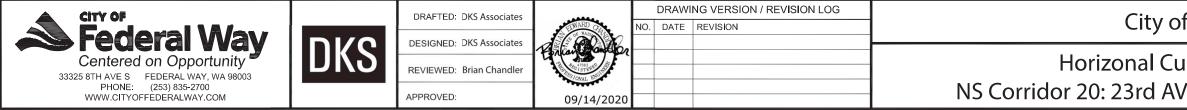
FINAL SUBMITTAL

f Federal Way	CITY PROJECT #: 218
ve Warning Signs	SHT. 15
BAUER WAY S : S 318TH PL / S 320TH ST	OF 50

S 320th St		23,00	Aves			
					Sign Size (inches)	

I	Corridor Number	Sign Doot Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size (inches)		
		Sign Post Number	Traver Direction			Post Size	Sign Code	Sign Description	Х	Y	
		1	Northbound	47.31543, -122.30345	PSST	2.25" x 2.25"	W1-5R	Winding Road Right Warning Sign	36	36	
	20		Northbound	47.51545, -122.50545		2.23 ×2.23	W13-1P-20	Advisory Speed Plaque 20	18	18	
I	20	2	Southbound	47.31841, -122.30429	PSST	2.25" x 2.25"	W1-5L	Winding Road Left Warning Sign	36	36	
I							W13-1P-20	Advisory Speed Plaque 20	18	18	Γ
lt	PSST: Perforated	d Square Steel Tub	e								

Maintain and protect existing signs and posts unless otherwise noted.
 See Sheet 44 for Post Height and Sign Installation Details.

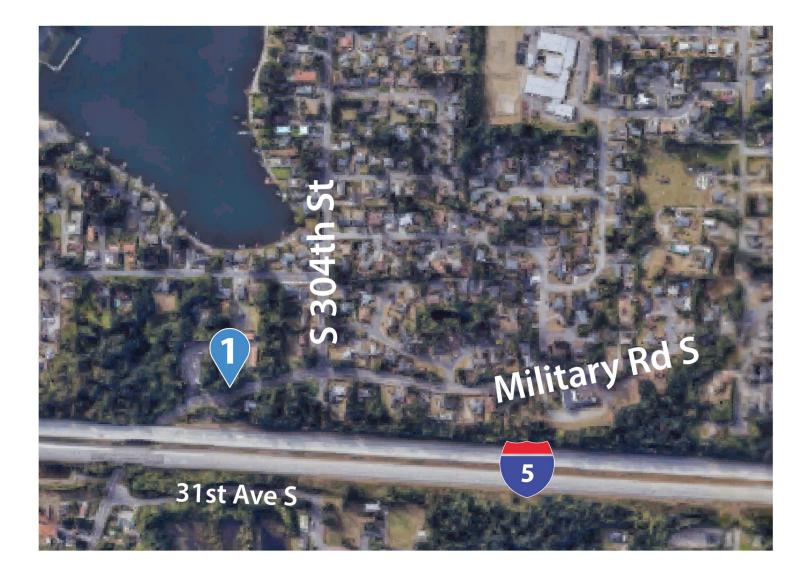




Remarks

FINAL SUBMITTAL

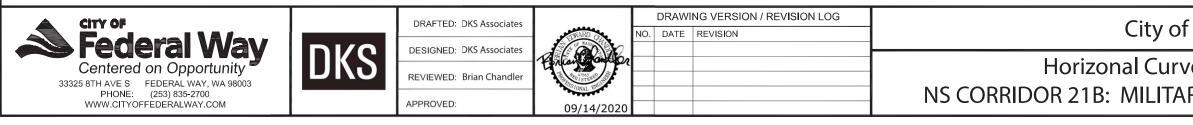
of Federal Way	CITY PROJECT #: 218
urve Warning Signs	SHT. 16
VE S: S 316TH ST – S 320TH ST	OF 50



Corridor Number	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	e Sign Description	Sign Size (inches)		
	Sigiri Ostivumber					Sign Code	Sign Description	Х	Y	
21B	1	Southbound	47.3283, -122.29526	PSST	2.25" x 2.25"	W1-2L	Curve Left Warning Sign	30	30	
210	I	Southbound	47.3203, -122.29320			W13-1P-35	Advisory Speed Plaque 35	18	18	
PSST: Perforated	Square Steel Tube									

1. Maintain and protect existing signs and posts unless otherwise noted.

2. See Sheet 44 for Post Height and Sign Installation Details.



FINAL SUB	MITTAL
Federal Way	CITY PROJECT #: 218
e Warning Signs RY RD S : S 288TH ST – 31 AVE S	sht. 17 оf 50

Remarks

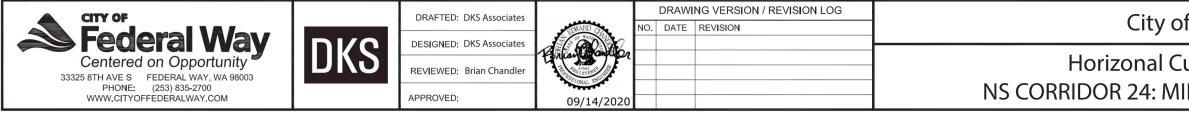




		Traval Direction		DeatTree	e Post Size	Cian Cada	Size Decemintion	Sign Size	e (inches)	Remarks
orndor Number	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Х	Y	Remarks
	1	Northbound	47.26728, -122.31867	PSST	2.25" x 2.25"	W1-3R	Reverse Turn Right Warning Sign	30	30	
	1		47.20720, -122.31007	F331	2.25 x2.25	W13-1P-20	Advisory Speed Plaque 20	18	18	
Γ	2	Northbound	47.2679, -122.3181	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	Remove existing chevron and sign post.
		Southbound		F 331		W1-8L	Chevron Alignment Left	18	24	
Γ	3	Northbound	47.26802, -122.31783	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	Remove existing chevron and sign post.
24		Southbound	47.20002, -122.31703			W1-8L	Chevron Alignment Left	18	24	
24	4	Northbound	47.26812, -122.31753	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	Remove existing chevron and sign post.
	4	Southbound	47.20012, -122.317.33			W1-8L	Chevron Alignment Left	18	24	
Γ	5	Northbound	47.26819, -122.31723	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	Remove existing chevron and sign post.
	5	Southbound	47.20019, -122.31723	1 331	2.25 X 2.25	W1-8L	Chevron Alignment Left	18	24	
Γ	6	C Couthbound	47.26916, -122.31469	PSST	2.25" x 2.25"	W1-3R	Reverse Turn Right Warning Sign	30	30	Remove existing Turn Right Warning Sign and post.
	U	Southbound	47.20310, -122.31403	1001	2.25 X2.25	W13-1P-20	Advisory Speed Plaque 20	18	18	

1. Maintain and protect existing signs and posts unless otherwise noted.

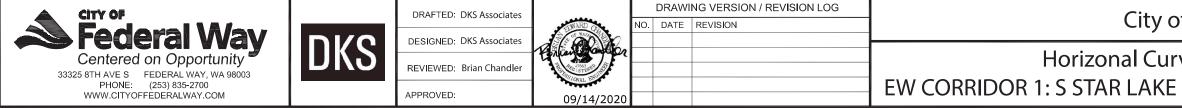
2. See Sheet 44 for Post Height and Sign Installation Details.



of Federal Way	CITY PROJECT #: 218
Curve Warning Signs	SHT. 18
ILTON RD S: SR 161- S 375TH	OF 50



Corridor Number	Sign Post Number	Travel Direction	Location (X, Y)	PostType	Post Size	Sian Code	Sign Description	Sign Size (inches)		
	Sign Fost Number	Have Direction		FostType	F UST SIZE	Sign Code	Sign CodeSign DescriptionXW1-1LTurn Left Warning Sign3033W13-1P-25Advisory Speed Plaque 25181W1-6LLarge Arrow Left482W1-1RTurn Right Warning Sign3030	Y		
	1	Southbound	47.35741,-122.30486	36 PSST 2.25" x 2.25"	2.25" x 2.25"	W1-1L	Turn Left Warning Sign	30	30	
	1	Southbound	47.33741,-122.30460		2.23 x2.23	W13-1P-25	Advisory Speed Plaque 25	18	18	
1	2	Southbound	47.35686, -122.30462	PSST	2.25" x 2.25"	W1-6L	Large Arrow Left	48	24	
	2	3 Northbound	47.35673, -122.30384	PSST	2.25" x 2.25"	W1-1R	Turn Right Warning Sign	30	30	
	3					W13-1P-25	Advisory Speed Plaque 25	18	18	
DOCT. Dorforotor	d Caucaro Ctool Tub			•	•		•			



•	
ve Warning Signs	SHT. 19
RD: S 272ND ST – S 275TH PLACE	OF 50



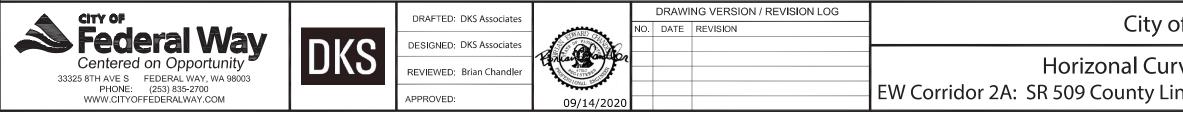
		Trough Direction	Leastian (X-)		Deat Size	Sign Code	Sign Description	Sign Size	e (inches)	
Jorridor Number	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Х	Y	1
	1	Eastbound	47 22256 422 20404	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
	1	Westbound	47.32256, -122.39401	P331	2.25 x2.25	W1-8L	Chevron Alignment Left	18	24	
	2	Eastbound	47.32253, -122.3937	DOOT	0.05" × 0.05"	W1-8R	Chevron Alignment Right	18	24	
	2	Westbound	47.32253, -122.3937	PSST	2.25" x 2.25"	W1-8L	Chevron Alignment Left	18	24]
	2	Eastbound	47.00045 400.00004	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
	3	Westbound	47.32245, -122.39334			W1-8L	Chevron Alignment Left	18	24	1
		Eastbound	47.32232, -122.39309	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
	4	Westbound				W1-8L	Chevron Alignment Left	18	24	1
	-	Eastbound	47.32214, -122.39288	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
	5	Westbound				W1-8L	Chevron Alignment Left	18	24	1
2A	6	Eastbound	47.32166, -122.39268	PSST	2.25" x 2.25"	W1-8L	Chevron Alignment Left	18	24	
27		Westbound				W1-8R	Chevron Alignment Right	18	24	1
	7	Eastbound	47.32149, -122.39229	PSST	2.25" x 2.25"	W1-8L	Chevron Alignment Left	18	24	
	/	Westbound				W1-8R	Chevron Alignment Right	18	24	1
	0	Eastbound	17.001.00.001.00			W1-8L	Chevron Alignment Left	18	24	
	8	Westbound	47.32143, -122.39196	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	1
	0	Eastbound	17.00111 100.00100	DOOT	0.05" 0.05"	W1-8L	Chevron Alignment Left	18	24	
	9	Westbound	47.32144, -122.39163	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	1
	40		47.00450 400.00445	DOOT	0.05"0.05"	W1-3R	Reverse Turn Right Warning Sign	30	30	
	10	Westbound	47.32159, -122.39115	PSST	2.25" x 2.25"	W13-1P-30	Advisory Speed Plaque 30	18	18	1
	11	Westbound	47.32164, -122.39067	EX	EX	-	-	-	-	Remove existing 25 mph spee Warning Sign.

Notes

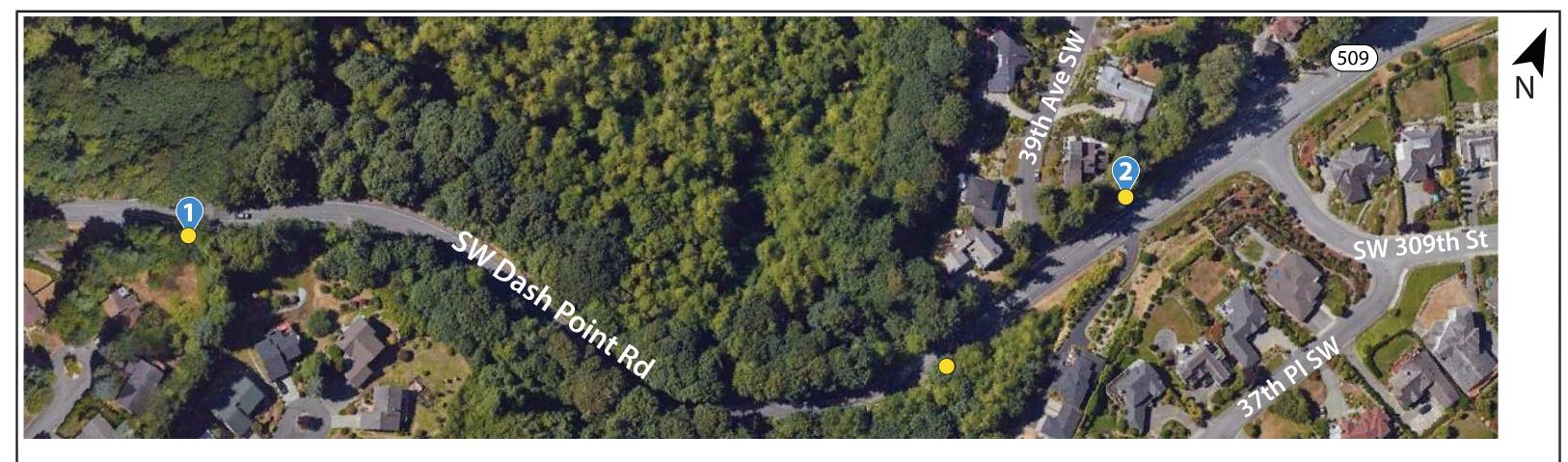
1. Maintain and protect existing signs and posts unless otherwise noted.

Сс

2. See Sheet 44 for Post Height and Sign Installation Details.



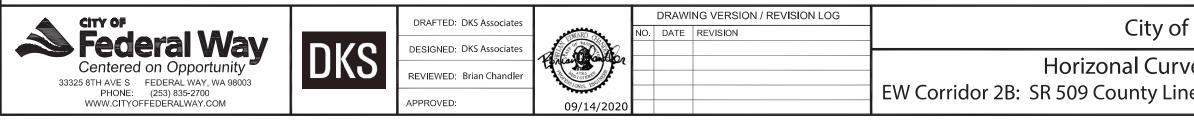
	K
FINAL SUBI	MITTAL
f Federal Way	CITY PROJECT #
ve Warning Signs	sнт. 20
ne - SR 99, 48TH PL SW - 44TH AVE SW	OF 50



Corridor Number	Sign Post Number	Post Number Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size		
Comdor Number	Sign Fost Number	Traver Direction		FUSLType	POSt Size	Sign Code	Sign Description	Х	Y	
28	1	Eastbound	47.32302, -122.38561	EX	EX	W13-1P-30	Advisory Speed Plaque 30	18	18	Replace existi Right Warning
2B	2	Westbound	47.32459, -122.38104	EX	EX	W13-1P-30	Advisory Speed Plaque 30	18	18	Replace existi Right Warning
EX: Existing										

1. Maintain and protect existing signs and posts unless otherwise noted.

2. See Sheet 44 for Post Height and Sign Installation Details.



Remarks

sting 25 mph speed plaque. Maintain existing Reverse Turn ng Sign

sting 25 mph speed plaque. Maintain existing Reverse Turn ing Sign.

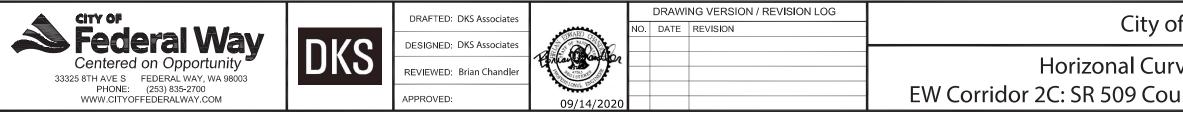
Federal Way	CITY PROJECT #: 218
re Warning Signs e - SR 99, 43RD PL SW - SW 309TH ST	SHT. 21
	OF 50



Corridor Number	Sign Doot Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size (inches)			
	Comdor Number	Sign Fost Number	Traver Direction	Location (A, T)	FUSIType	POSt Size	Sign Code	Sign Description	Х	Y	
	2C	1	Eastbound	47.32812, -122.3709	EX	EX	W13-1P-30	Advisory Speed Plaque 30	18	18	Replace existing Right Warning S
	EX: Existing										

1. Maintain and protect existing signs and posts unless otherwise noted.

2. See Sheet 44 for Post Height and Sign Installation Details.



Remarks

ting 25 mph speed plaque. Maintain existing Winding Road g Sign.

FINAL SUBMITTAL

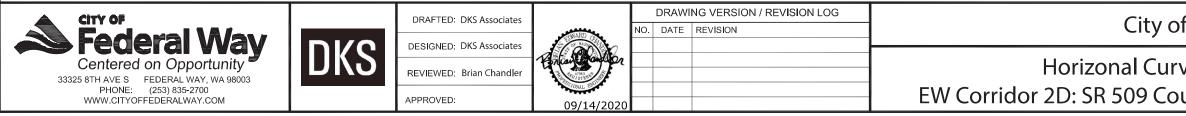
	CITY PROJECT #: 218
ve Warning Signs	SHT. 22
unty Line - SR 99, 30TH AVE SW	OF 50



	Sign Post Number	Travel Direction		DeatTime	Deat Size	Sign Code	Sign Deceription	Sign Siz		
	Sign Post Number	Traver Direction	Location (X, Y)	PostType	Post Size	Sign Code	Sign Description	Х	Y	
										Replace existin
2D	1	Westbound	47.32059, -122.3659	EX	EX	W13-1P-30	Advisory Speed Plaque 30	18	18	Right Warning
				EX	EX	W1-5R	Winding Road Right Warning Sign	30	30	Replace existin
	2	Eastbound	47.3197, -122.36516							Replace existin
				EX	EX	W13-1P-30	Advisory Speed Plaque 30	18	18	Warning Sign.
EX: Existing										

1. Maintain and protect existing signs and posts unless otherwise noted.

2. See Sheet 44 for Post Height and Sign Installation Details.



N

Remarks

sting 25 mph speed plaque. Maintain existing Winding Road ng Sign.

ting Curve Right Warning Sign.

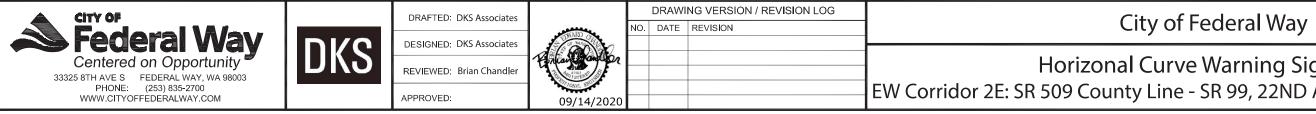
ting 25 mph speed plaque. Maintain existing Turn Right n.

f Federal Way	CITY PROJECT #: 218
ve Warning Signs	SHT. 23
unty Line - SR 99, 26TH PL SW	OF 50



	Sign Post Number	Traval Direction	Location (X, Y)	Deat Type	Deat Size	Sign Code	Sign Description	Sign Size		
	Sign Fost Number	Travel Direction		FUSLType	FUST SIZE	Sign Code	Sign Description	Х	Y	
2E	1	Westbound	47.32086, -122.36092	EX	EX	W13-1P-30	Advisory Speed Plaque 30	18	18	Add below exis
EX: Existing										

- 1. Maintain and protect existing signs and posts unless otherwise noted.
- 2. See Sheet 44 for Post Height and Sign Installation Details.





Remarks

isting Winding Road Left Warning Sign.

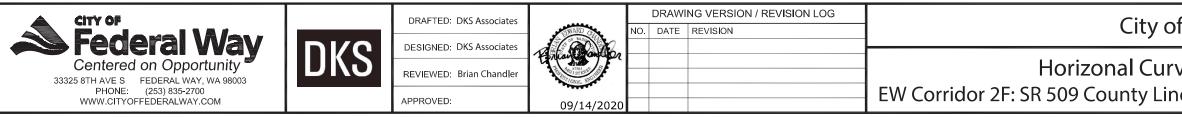
of Federal Way	218
ve warning signs	sнт. 24
e - SR 99, 22ND AVE SW - SW 312TH ST	OF 50



	Sign Doot Number	Troval Direction	Location (X, Y)	DeatTime	Post Size	Sign Code	Sign Deceription	Sign Size (inches)		Remarks
	Sign Post Number	Travel Direction	Location (A, Y)	Post Type	Post Size		Sign Description	Х	Y	Remarks
	1	Eastbound	47.33015, -122.34802	рест	SST 2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
2F	Ι	Westbound	47.33013, -122.34802	F331		W1-8L	Chevron Alignment Left	18	24	
	2	Eastbound	47.33067, -122.34697	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
۷F	2	Westbound				W1-8L	Chevron Alignment Left	18	24	
	2	Westbound	47.33101, -122.34566	ΓV	EX	W1-1L	Turn Left Warning Sign	30	30	Replace existing Curve Left Warning Sign.
	3	vvestbound	47.33101, -122.34300	EX		W13-1P-30	Advisory Speed Plaque 30	18	18	
PSST: Perforated EX: Existing	d Square Steel Tube	e								

1. Maintain and protect existing signs and posts unless otherwise noted.

2. See Sheet 44 for Post Height and Sign Installation Details.



FINAL SUB	MITTAL
f Federal Way	CITY PROJECT #: 218
ve Warning Signs ie - SR 99, 10TH AVE SW - 8TH AVE SW	SHT. 25 OF 50

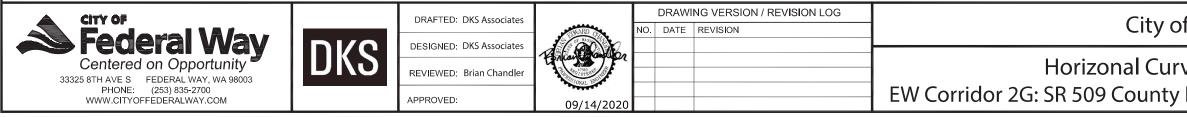




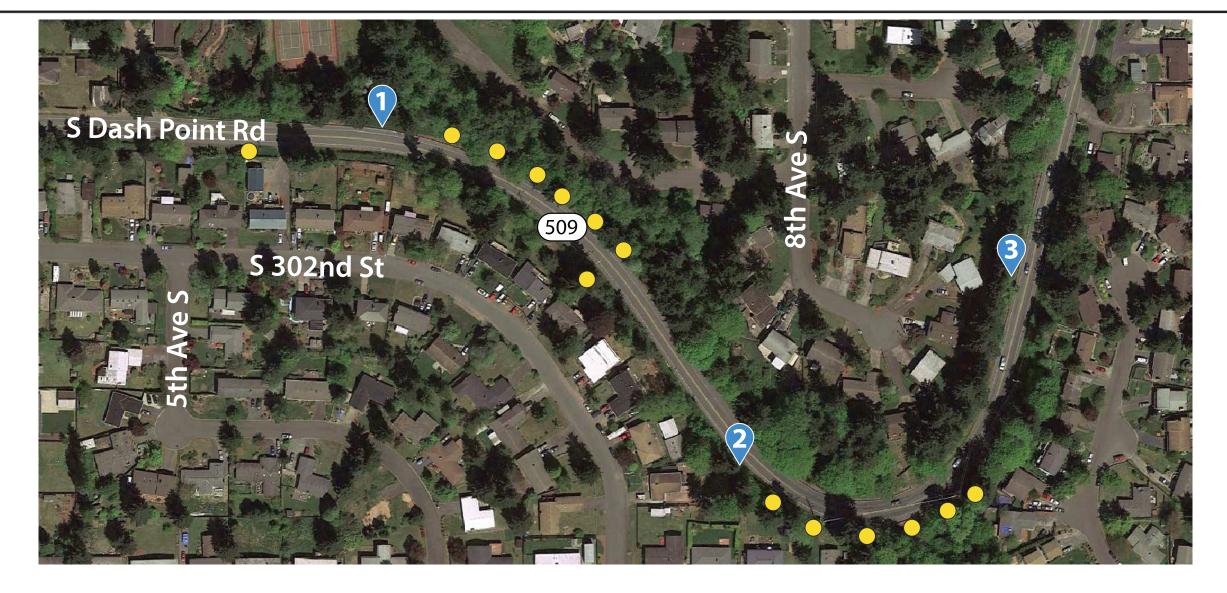
Corridor Number	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size	e (inches)	
	Sign Fost Number	Have Direction	Location (A, T)	FUSLType	FUST SIZE	Oign Oode	Sign Description	Х	Y	
	1	Feethound	47.33238, -122.33939	PSST	2.25" x 2.25"	W1-2R	Curve Right Warning Sign	30	30	
	Γ	Eastbound	47.33230, -122.33939	F331	2.25 x 2.25	W13-1P-35	Advisory Speed Plaque 35	18	18	
	2	Eastbound	47.33186, -122.33574	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
		Westbound	47.33180, -122.33374			W1-8L	Chevron Alignment Left	18	24	
2G	3	Eastbound	47.33167, -122.33556	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
		Westbound	47.33107,-122.33550	F331		W1-8L	Chevron Alignment Left	18	24	
20	4		47.33132, -122.33532	PSST	2.25" x 2.25"	W1-1L	Turn Left Warning Sign	30	30	
	4	Westbound				W13-1P-30	Advisory Speed Plaque 30	18	18	
	5	Eastbound	47.33118, -122.33544	PSST	2.25" x 2.25"	W1-8L	Chevron Alignment Left	18	24	
	5	Westbound	47.33110, -122.33344	F 331	2.25 x 2.25	W1-8R	Chevron Alignment Right	18	24	
	6	Eastbound	47.3315, -122.33368	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
	0	Westbound	47.0010, -122.0000	F 331	2.25 x 2.25	W1-8L	Chevron Alignment Left	18	24	
PSST: Perforated	d Square Steel Tub	e								

1. Maintain and protect existing signs and posts unless otherwise noted.

2. See Sheet 44 for Post Height and Sign Installation Details.

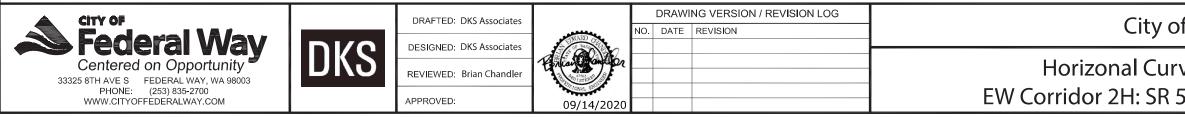


of Federal Way	CITY PROJECT #: 218
ve Warning Signs Line - SR 99, 3RD PL SW - 2ND PL S	SHT. 26 ОF 50



Corridor Number	Sign Boot Number	er Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Codo	Sign Description	Sign Size (inches)		
	Sign Post Number	Traver Direction	Location (A, Y)	PostType	Post Size	Sign CodeSign DescriptionXY5"W1-8RChevron Alignment Right1824W1-8LChevron Alignment Left18245"W1-8LChevron Alignment Left18245"W1-8RChevron Alignment Right1824W1-8RChevron Alignment Right1824W1-3RReverse Turn Right Warning Sign3030				
	1	Eastbound	47.33173, -122.32671	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
2H	Ι	Westbound	47.33173,-122.32071			W1-8L	Chevron Alignment Left	18	24	
	2	Eastbound	47.33026, -122.32442	PSST	2.25" x 2.25"	W1-8L	Chevron Alignment Left	18	24	
211	2	Westbound		F331		W1-8R	Chevron Alignment Right	18	24	
	2	Westbound	47.33105, -122.3226	PSST		W1-3R	Reverse Turn Right Warning Sign	30	30	
	3	vvesibound	47.33103,-122.3220	F331	2.25" x 2.25"	W13-1P-25	Advisory Speed Plaque 25	18	18	
PSST: Perforated	Square Steel Tub	9								

Maintain and protect existing signs and posts unless otherwise noted.
 See Sheet 44 for Post Height and Sign Installation Details.



Remarks

FINAL SUBMITTAL

	CITY PROJECT #: 218
ve Warning Signs	sнт. 27
509 County Line - SR 99	OF 50

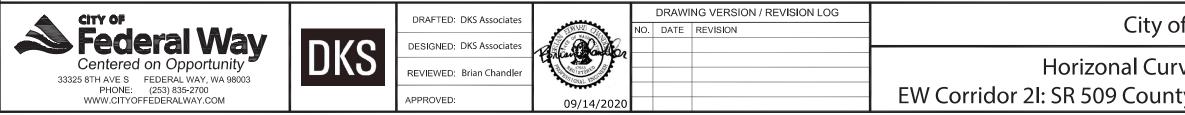


Corridor Number	Sign Doot Number	Travel Direction	Location (X, Y)	Boot Turno	Post Size	Sign Code	Sign Departmen	Sign Size (inches)		
Condor Number	Sign Post Number	Travel Direction		Post Type	Post Size	Sign Code	Sign Description	Х	Y	
	1	Westbound	47.33472, -122.31966	EX	EX	W13-1P-35	Advisory Speed Plaque 35	18	18	Install 35 i
21	2	Eastbound	47.33622, -122.31552	EX	EX	W13-1P-20	Advisory Speed Plaque 20	18	18	Replace e Right War
	3	Eastbound	47.33667, -122.31426	PSST	2.25" x 2.25"	W1 - 6R	Large Arrow Right	48	24	
DCCT. Douterate	d Causero Ctool Tub	•								

Notes

1. Maintain and protect existing signs and posts unless otherwise noted.

2. See Sheet 44 for Post Height and Sign Installation Details.



Remarks

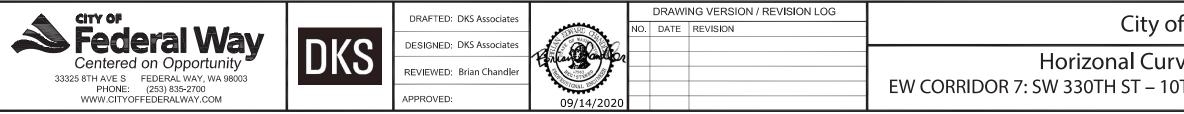
5 mph speed plaque below existing Curve Left Warning Sign. e existing 25 mph speed plaque. Maintain existing Reverse Turn arning Sign.

	FINAL SUBMITTAL							
of Federal Way	CITY PROJECT #: 218							
ve Warning Signs	SHT. 28							
ty Line - SR 99, 11TH PL	. S -SR 99							



Corridor Number	Sign Post Number Travel	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size (inches)		
7		Traver Direction				Sign Code	Sign Description	Х	Y	
7	1	1 Eastbound	47.29924, - 122.34921	EX	EX	W1-1L	Turn Left Warning Sign	30	30	Replace existi
						W13-1P-20	Advisory Speed Plaque 20	18	18	Replace existi
/	2	2 Westbound	47.30067, -122.34805	EX	EX	W1-1R	Turn Right Warning Sign	30	30	Replace existi
	2	vvestoound	47.30007, -122.34603	EX	EX	W13-1P-20	Advisory Speed Plaque 20	18	18	Replace existi
EX: Existing										

- 1. Maintain and protect existing signs and posts unless otherwise noted.
- 2. See Sheet 44 for Post Height and Sign Installation Details.



Remarks

sting Curve Left Warning Sign.

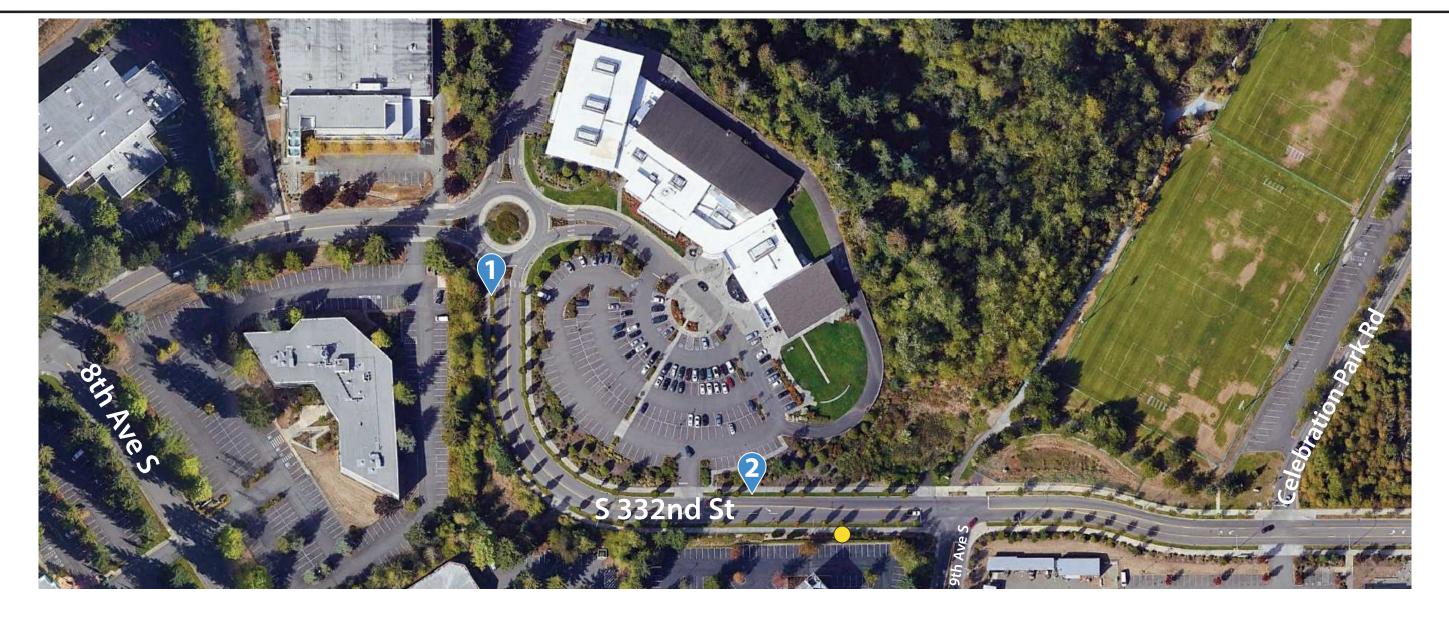
ting 25 mph speed plaque.

sting Curve Right Warning Sign.

sting 25 mph speed plaque.

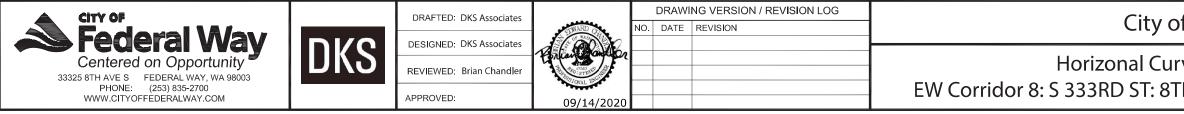
FINAL SUBMITTAL

f Federal Way	CITY PROJECT #: 218
ve Warning Signs OTH AVE SW: SW CAMPUS DR – 1ST AVE	SHT. 29
	OF 50



Corridor Number	Sign Post Number	Trayal Direction	Location (X, M)	Post Type	Post Size	Sign Code	Sign Description	Sign Size (inches)		
	Sign Post Number	Traver Direction	Location (X, Y)	PostType	POSt Size	Sign Code	Sign Description	Х	X X	Y
8	1 2	1 Eastbound	47.3052, -122.32391	PSST	2.25" x 2.25"	W1-1L	Turn Left Warning Sign	30	30	
						W13-1P-20	Advisory Speed Plaque 20	18	18	
o		Westbound 47.30445, -122.32244	47.00445 400.00044	DOOT	2.25" × 2.25"	W1-1R	Turn Right Warning Sign	30	30	
			PSST	2.25" x 2.25"	W13-1P-20	Advisory Speed Plaque 20	18	18		
PSST: Perforated	Square Steel Tube									

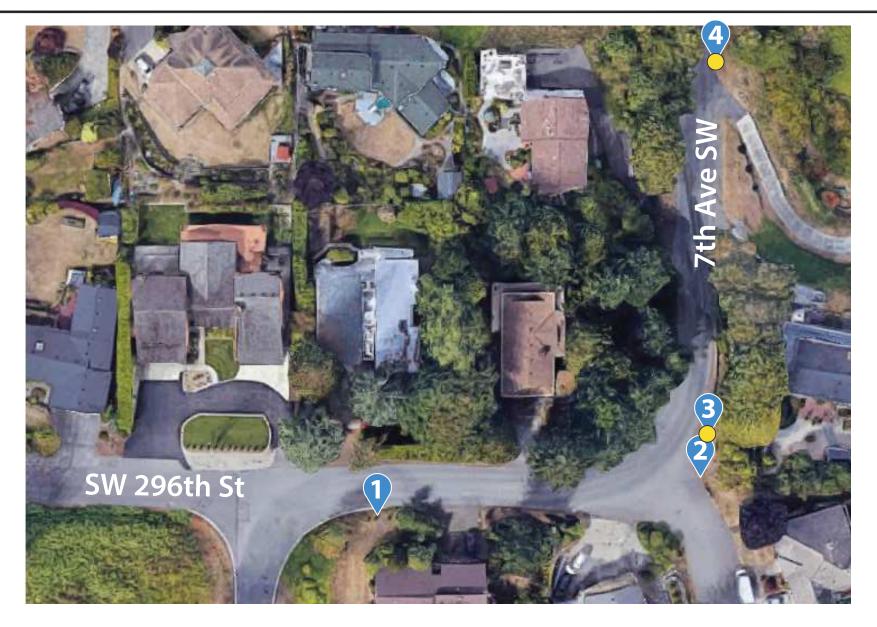
Maintain and protect existing signs and posts unless otherwise noted.
 See Sheet 44 for Post Height and Sign Installation Details.



Remarks

FINAL SUBMITTAL

of Federal Way	CITY PROJECT #: 218
rve Warning Signs TH AVE S – CELEBRATION PARK RD	SHT. 30 ОF 50

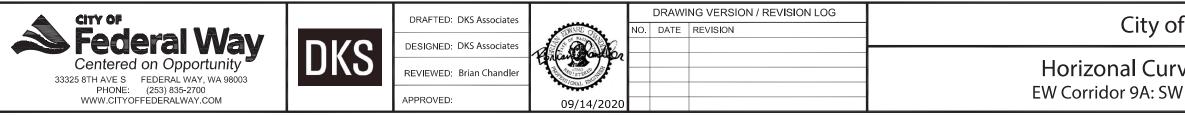


Corridor Number Sign I 9A	Sign Post Number	gn Post Number Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size		
			Location (A, T)	PostType			Sign Description	Х	Y	
	1	1 Eastbound	47.3368, -122.34473	PSST	2.25" x 2.25"	W1-5L	Winding Road Left Warning Sign	30	30	
						W13-1P-15	Advisory Speed Plaque 15	18	18	
	2	2 Westbound	47.33686, -122.34392	EX	EX	W1-8L	Chevron Alignment Left	18	24	Add chevro
9A						W1-8R	Chevron Alignment Right	18	24	
	3	Eastbound	47.3369, -122.34391	EX	EX	W1-6L	Large Arrow Left	48	24	Remove ex
	4	Eastbound	47.33755, -122.34386	EX	EX	-	-	-	-	Remove e: plaque.

Notes

1. Maintain and protect existing signs and posts unless otherwise noted.

2. See Sheet 44 for Post Height and Sign Installation Details.





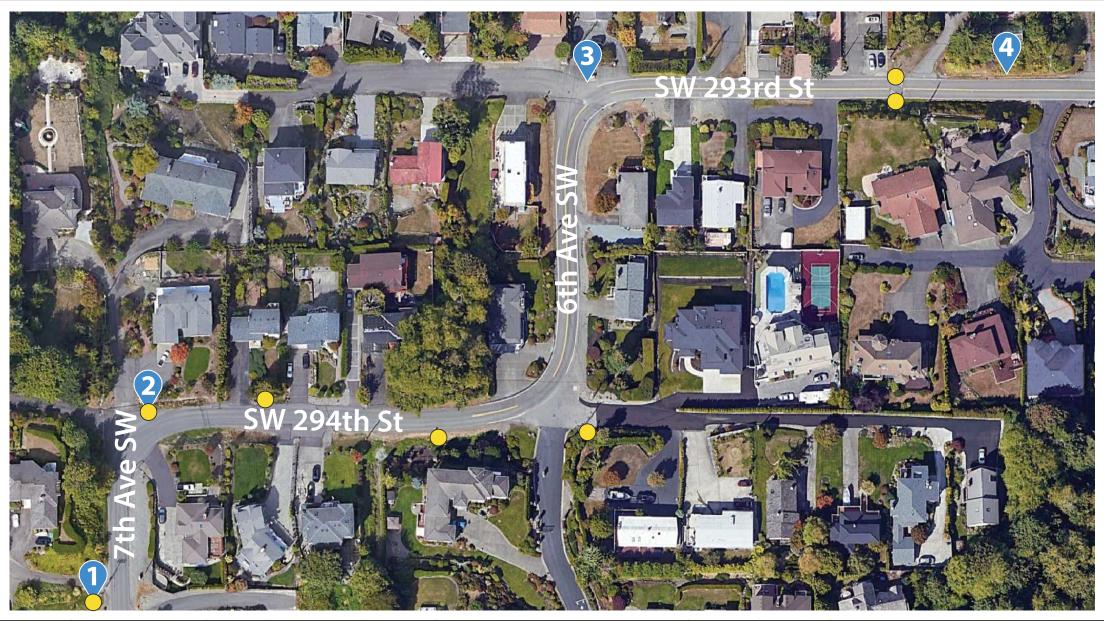
Remarks

evron on the back of existing stop sign.

e existing double arrow sign.

e existing Turn Right Warning Sign, post, and 15 mph speed

	FINAL SUBMITTA	L
of Federal Way	CITY PROJEC 218	Τ#:
ve Warning Signs	sht. 31	
V 296th ST– 7TH AVE SW	OF 50	



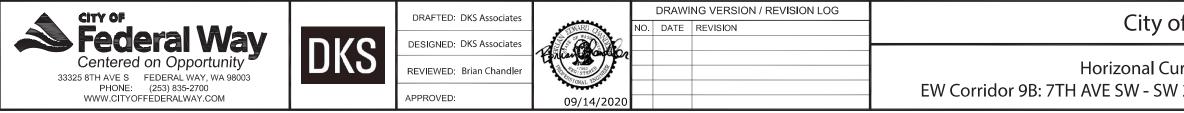
Sign Doot Number	Travel Direction	Location (X_X)	Doot Turo	Doot Sizo	Sign Code	Sign Departmen	Sign Siz	e (inches)	
Sign Post Number	Traver Direction	Location (A, Y)	PostType	Post Size	Sign Code	Sign Description	Х	Y	
1	Eastound	47.33805, -122.34402	EX	EX	-	-	-	-	Remove exist speed plaque
2	Westbound	47.33871, -122.34387	EX	EX	W1-6L	Large Arrow Left	48	24	Mount to exist
2	Eastound	47 00000 400 04400			W1-8R	Chevron Alignment Right	18	24	Mount to exist
3	Westbound	47.33900, -122.34193		EA	W1-8L	Chevron Alignment Left	18	- s 48 24 M 18 24 M 18 24 61 30 30 30	6th Ave SW.
4	Weathound	47.00007 400.04040	DOOT	T 2.25" x 2.25"	W1-5L	Winding Road Left Warning Sign	30	30	
4	4 vvestbound 47.33967,	41.33901, -122.34018	P331		W13-1P-10	Advisory Speed Plaque 10	18	18	
	Sign Post Number 1 2 3 4	1 Eastound 2 Westbound 3 Eastound	Image: Addition of the system Image: Addition of the system <thimage: addit="" addition="" of="" system<="" th="" the=""> <</thimage:>	Image: Market state Image: Market state	Image: Non-Strain of the strain of	Image: Mark and the second s	1Eastound47.33805, -122.34402EXEXEX-2Westbound47.33871, -122.34387EXEXK-3Eastound47.33966, -122.34193EXEXW1-6LLarge Arrow Left4Westbound47.33967, -122.34018PSST $2.25" \times 2.25"$ W1-5LWinding Road Left Warning Sign	Sign Post NumberTravel DirectionLocation (X, Y)Post TypePost SizeSign CodeSign DescriptionImage: Code1Eastound47.33805, -122.34402EXEX2Westbound47.33871, -122.34387EXEXV1-6LLarge Arrow Left483Eastound47.33966, -122.34193EXEXW1-6LLarge Arrow Left48Westbound47.33966, -122.34193EXEXW1-8RChevron Alignment Right184Westbound47.33967, -122.34018PSST2.25" x 2.25"W1-5LWinding Road Left Warning Sign30	Image: A stand bind bind bind bind bind bind bind bi

EX: Existing

Notes

1. Maintain and protect existing signs and posts unless otherwise noted.

2. See Sheet 44 for Post Height and Sign Installation Details.



Remarks

visting Reverse Turn Right Warning Sign, post, and 15 mph រួue.

isting road sign post.

isting road sign post under dead end sign at SW 293rd St and .

FINAL SUBMITTAL

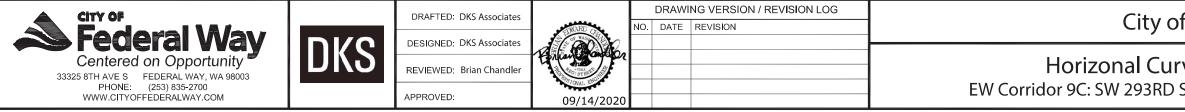
of Federal Way	CITY PROJECT #: 218
Irve Warning Signs	sнт. 32
294TH ST - 6TH AVE SW - SW 293RD ST	OF 50



Corridor Number S	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size		
	Sigil Post Nulliber	Traver Direction		FUSIType	POSt Size	Sign Code	Sign Description	Х	Y	
	1	Eastound	47 22066 122 22816	EX	EX	W1-8L	Chevron Alignment Left	18	24	Marinett
		Westbound	47.33966, -122.33816	EX		W1-8R	Chevron Alignment Right	18	24	Mount to
90	2	Eastound	47.34052, -122.33827	EX	EX	W1-8R	Chevron Alignment Right	18	24	Mount to
	2	Westbound	47.34032, -122.33627	LA		W1-8L	Chevron Alignment Left	18	24	3rd Ave
ľ	3	Westbound	47.3406, -122.33706	EX	EX	W13-1P-10	Advisory Speed Plaque 10	18	18	Replace Left War
EX: Existing										

1. Maintain and protect existing signs and posts unless otherwise noted.

2. See Sheet 44 for Post Height and Sign Installation Details.



Remarks

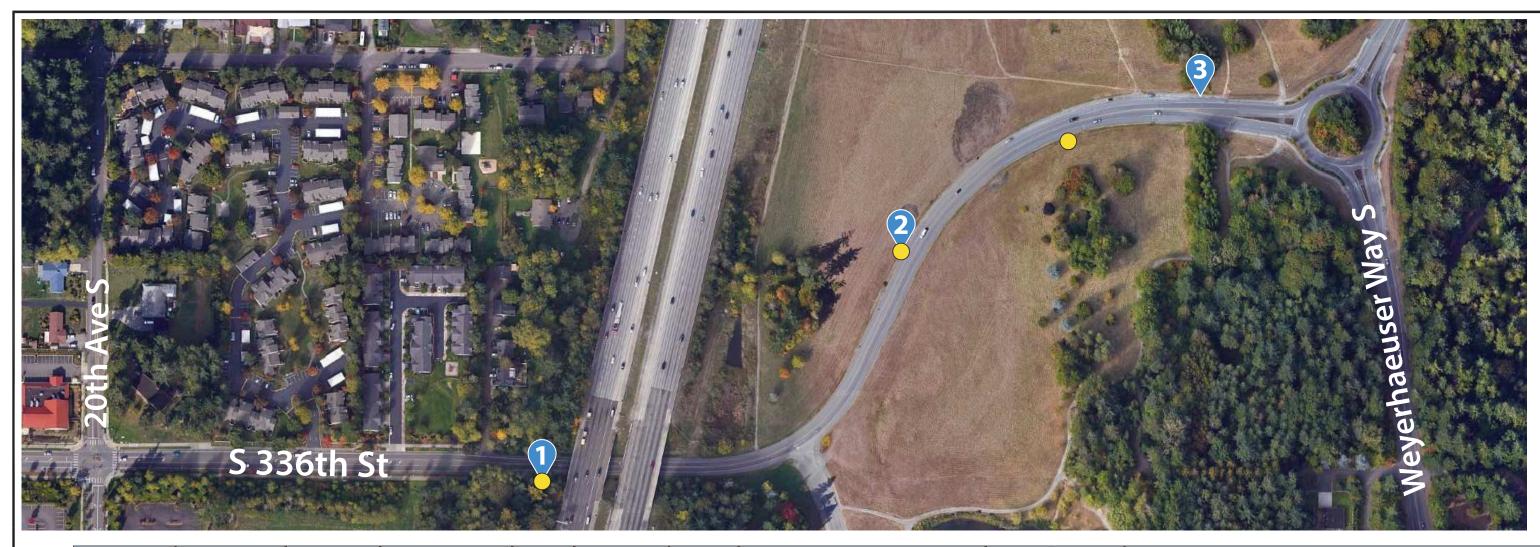
to existing stop sign post.

t to existing road sign post under dead end sign at SW 292nd St and ve SW.

ace existing 15 mph speed plaque. Maintain existing Reverse Turn Varning Sign.

FINAL SUBMITTAL

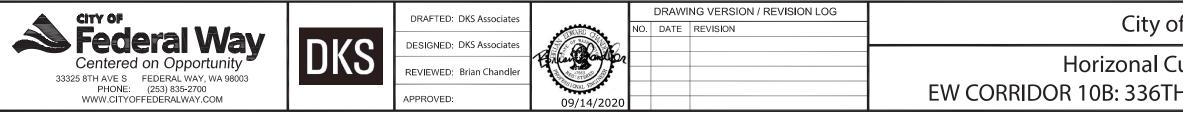
f Federal Way	CITY PROJECT #: 218
r ve Warning Signs	SHT. 33
ST - 3RD AVE SW - SW 292ND ST	ОF 50



Corridor Number	Sign Post Number	er Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size (inches)		
	Sign Post Number						Sign Description	Х	Y	
	1	Eastbound	47.30056, -122.30342	EX	EX	W1-3L	Reverse Turn Left Warning Sign	30	30	Replace existi
100		Eastbound	47.30056, -122.30342			W13-1P-30	Advisory Speed Plaque 30	18	18	Replace existi
10B	2	Westbound	47.30187, -122.30042	EX	EX	-	-	-	-	Remove existi plaque.
	3	3 Westbound	47.30281, -122.29775	PSST	2.25" x 2.25"	W1-3L	Reverse Turn Left Warning Sign	30	30	
	3					W13-1P-30	Advisory Speed Plaque 30	18	18	
PSST: Perforated EX: Existing	d Square Steel Tub	e				-				

1. Maintain and protect existing signs and posts unless otherwise noted.

2. See Sheet 44 for Post Height and Sign Installation Details.



Remarks

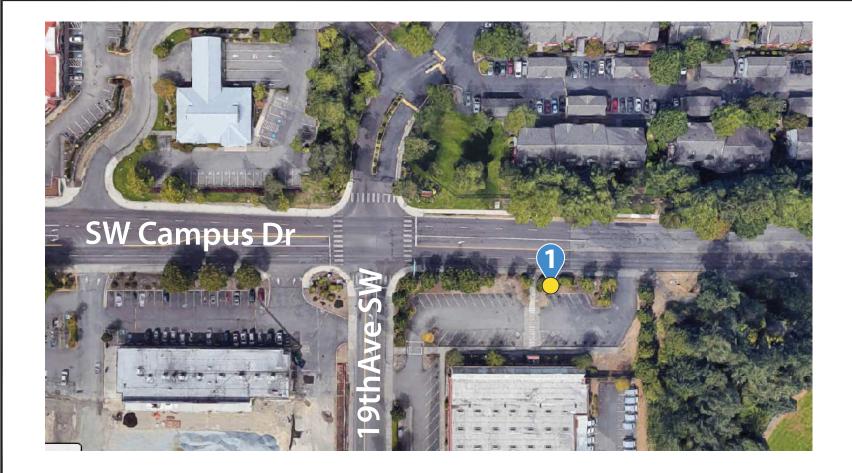
isting Turn Left Warning Sign.

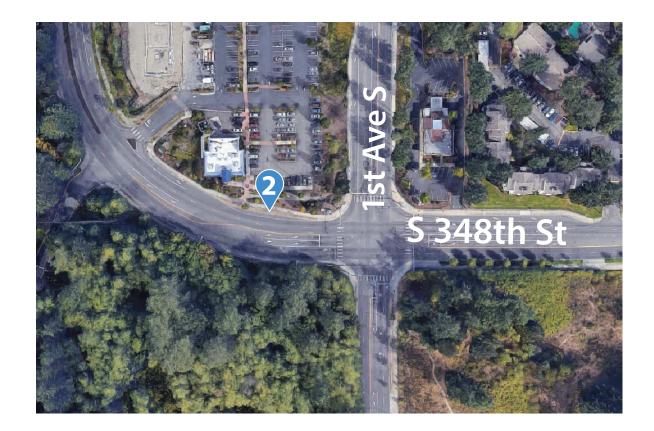
sting 25 mph speed plaque.

isting Turn Right Warning Sign, post, and 25 mph speed

FINAL SUBMITTAL

of Federal Way	CITY PROJECT #: 218
urve Warning Signs	SHT. 34
H ST: 1-5 - WEYERHAEUSER WAY S	OF 50



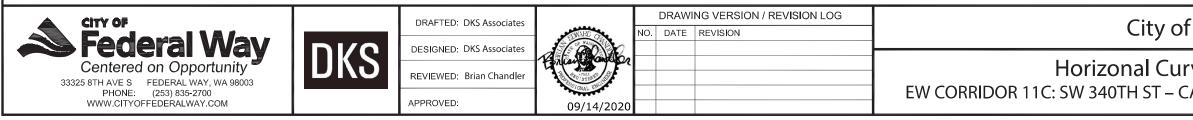


Corridor Number	Sign Post Number	Troval Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size (inches)		
	Sign Fost Number	Traver Direction		PostType	POSt Size	Sign Code	Sign Description	Х	Y	
	1 Eastbound	47.30057, -122.35728	EX	EX	W1-5R	Winding Road Right Warning Sign	36	36	Replace exis	
11C		Eastbound	47.30057, -122.35726			W13-1P-30	Advisory Speed Plaque 30	18	18	
	2	2 Westbound 47.29002, -122.33	47.00000 400.00544	1 PSST	2.25" x 2.25" ·	W1-5R	Winding Road Right Warning Sign	36	36	
	2		47.29002, -122.33541			W13-1P-30	Advisory Speed Plaque 30	18	18	
DSST: Dorforator	d Sauara Steel Tube	0								

Notes

1. Maintain and protect existing signs and posts unless otherwise noted.

2. See Sheet 44 for Post Height and Sign Installation Details.

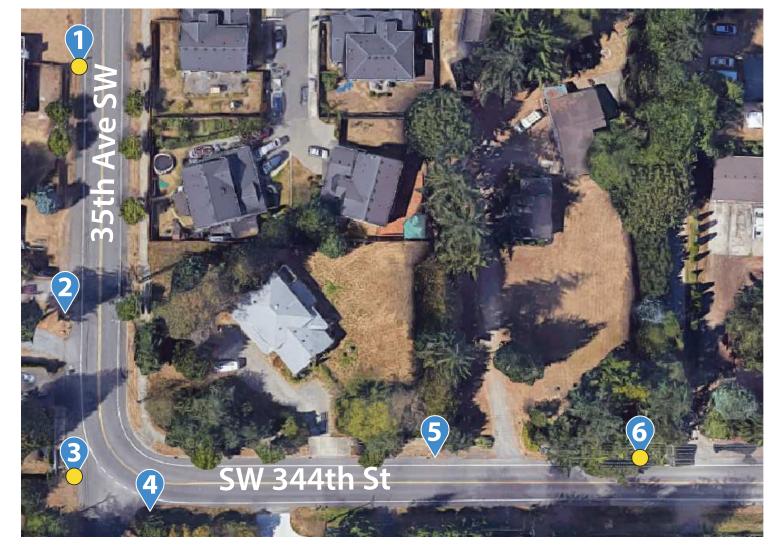


Remarks

xisting Do Not Litter Sign.

FINAL SUBMITTAL

f Federal Way	CITY PROJECT #: 218
rve Warning Signs	SHT. 35
CAMPUS DR SW : 17TH AVE SW – 1ST AVE S	of 50



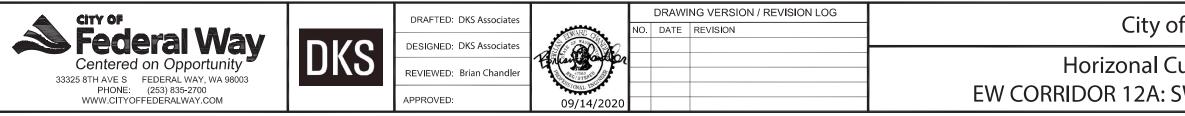
Corridor Number	Sign Post Number	Post Number Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size (inches)		
								Х	Y	
12A	1	Eastbound	47.29424, -122.37694	EX	EX	-	-	-	-	Remove existin
	2	Eastbound	47.29379, -122.37698	EX	EX	W1-1L	Turn Left Warning Sign	30	30	Mount signs to
						W13-1P-10	Advisory Speed Plaque 10	18	18	
	3	Westbound	47.29351, -122.37697	EX	EX	-	-	-	-	Maintain existin plaque below la
	4	Eastbound	47.29344, -122.37676	PSST	2.25" x 2.25"	W1-6L	Large Arrow Left	48	24	
	5	5 Westbound 4	47.29355, - 122.37603	PSST	2.25" x 2.25"	W1-1R	Turn Right Warning Sign	30	30	
						W13-1P-10	Advisory Speed Plaque 10	18	18]
	6	Westbound	47.29357, -122.37557	EX	EX	-	-	-	-	Remove existin post.
PSST: Perforated	d Square Steel Tub	e	-					-	-	

EX: Existing

Notes

1. Maintain and protect existing signs and posts unless otherwise noted.

2. See Sheet 44 for Post Height and Sign Installation Details.



N

Remarks

ting Turn Left Warning Sign, 15 mph speed plaque, and post.

to existing utility pole

ting WB large arrow right. Remove the existing 15 mph speed v large arrow right.

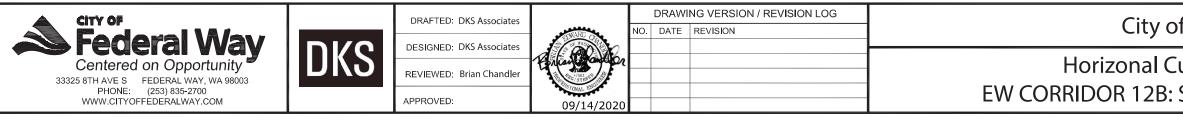
ting Turn Right Warning Sign, 15 mph speed plaque, and

	CITY PROJECT #: 218
urve Warning Signs	sнт. 36
SW 344TH ST: S 35TH AVE SW	OF 50



Corridor Number	Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size	e (inches)	
	Sign Fost Number	Traver Direction				Sign Code	Sign Description	Х	Y	
	1	Eastbound	47.29341, -122.35911	PSST	2.25" x 2.25"	W1-1R	Turn Right Warning Sign	30	30	
	I	Eastboulld	47.29341, -122.33911	F331		W13-1P-10	Advisory Speed Plaque 10	18	18	
12B	2	Westbound	47.29355, -122.35849	PSST	2.25" x 2.25"	W1-6L	Large Arrow Left	48	24	
120	3	Eastbound	47.29344, -122.35841	PSST	2.25" x 2.25"	W1-6R	Large Arrow Right	48	24	
	4	Westbound 4	47.29326, -122.35842	PSST	2.25" x 2.25"	W1-1L	Turn Left Warning Sign	30	30	
						W13-1P-10	Advisory Speed Plaque 10	18	18	
PSST: Perforated	PSST: Perforated Square Steel Tube									

Maintain and protect existing signs and posts unless otherwise noted.
 See Sheet 44 for Post Height and Sign Installation Details.





Remarks

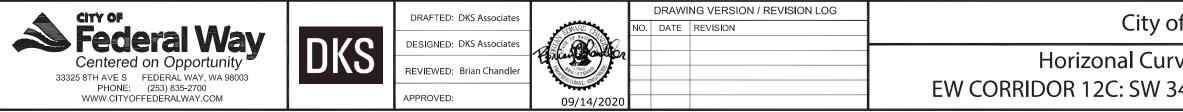
FINAL SUBMITTAL

	CITY PROJECT #: 218
Curve Warning Signs	SHT. 37
SW 344TH ST: 18TH AVE SW	OF 50



Corridor Number	Sign Post Number	Troyal Direction	Location (X, Y)	Post Type	Post Size	Sign Code	e Sign Description	Sign Size (inches)		
Comdor Number		Traver Direction		PostType			Sign Description	Х	Y	
	1	1 Eastbound	47.29279, -122.3551	PSST	2.25" x 2.25"	W1-1R	Turn Right Warning Sign	30	30	
12C	1			F 001	2.25 X2.25	W13-1P-10	Advisory Speed Plaque 10	18	18	
120	2	Westbound	47.29345, -122.35463	PSST	2.25" x 2.25"	W1-1L	Turn Left Warning Sign	30	30	
		vvestbound	47.29345, -122.35465	F331		W13-1P-10	Advisory Speed Plaque 10	18	18	
PSST: Perforated Square Steel Tube										

Maintain and protect existing signs and posts unless otherwise noted.
 See Sheet 44 for Post Height and Sign Installation Details.



FINAL SUBMITTAL

of Federal Way	CITY PROJECT #: 218
ve Warning Signs	sнт. 38
344TH ST AT 15TH PLACE SW	OF 50

Remarks

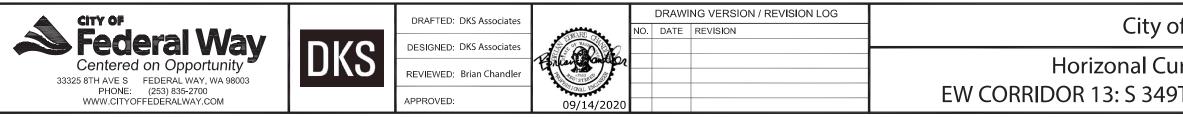




		Sign Doot Number	Traval Direction	Location (X, Y)	Boot Turno	Deat Size	Sign Code		Sign Size (inches)		
	Comdor Number	Sign Post Number	Travel Direction		Post Type	Post Size	Sign Code	Sign Description	Х	Y	
		1	Westbound	47.28837, -122.29381	EX	EX	W13-1P-20	Advisory Speed Plaque 20	18	18	Replace e Sign.
		2	Eastbound	47.2884, -122.29238	EX	EX	W13-1P-20	Advisory Speed Plaque 20	18	18	Replace e
	13		Westbound		EX	EX	W13-1P-20	Advisory Speed Plaque 20	18	18	Replace e Right.
			Westbound	47.28889, -122.29237	EX	EX	W13-1P-20	Advisory Speed Plaque 20	18	18	Replace e Warning S
		4 Westboun		47.29011, -122.29238	EX	EX	W13-1P-20	Advisory Speed Plaque 20	18	18	Replace e Warning S
	EX: Existing		-	-		-					

1. Maintain and protect existing signs and posts unless otherwise noted.

2. See Sheet 44 for Post Height and Sign Installation Details.





N

Remarks

existing 15mph speed plaque. Maintain existing Turn Left Warning

existing 15mph speed plaque. Maintain existing Large Arrow Left.

e existing 15mph speed plaque. Maintain existing Large Arrow

existing 15mph speed plaque. Maintain existing Turn Right Sign.

existing 15mph speed plaque. Maintain existing Turn Right Sign.

FINAL SUBMITTAL

of Federal Way	CITY PROJECT #: 218
irve Warning Signs	sнт. 39
TH AT WEYERHAEUSER WAY S	of 50

Not S	AFE		3 4 5
Me All		s 344th Way	
Met 1		A DECEMBER OF COMPANY	

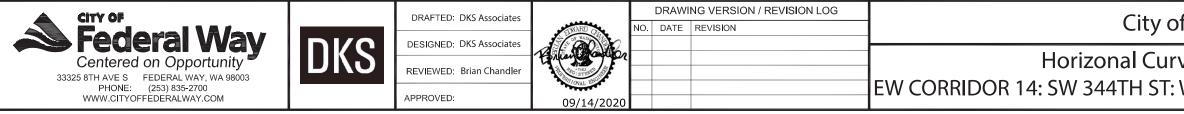
	Sign Post Number	Travel Direction	Location (X, X)	Boot Turco	Post Size	Sign Code	Sign Description	Sign Size	e (inches)	
	Sign Post Number	Traver Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Х	Y	
	1	Westbound	47.29161, -122.2916	PSST	2.25" x 2.25"	W1-6R	Large Arrow Right	48	24	
	2	Eastbound	47.29265, -122.29006	PSST	2.25" x 2.25"	W1-1R	Turn Right Warning Sign	30	30	
	2	Easibound	47.29203,-122.29000	F 331	2.25 x 2.25	W13-1P-25	Advisory Speed Plaque 25	18	18	
	3	Eastbound	47.29309, -122.28964	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
	3	Westbound	47.29309,-122.20904	F331	2.25 x 2.25	W1-8L	Chevron Alignment Left	18	24	
	1	Eastbound	47 00000 400 00000	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
	4	Westbound	47.29322, -122.28938	P331	2.25 x 2.25	W1-8L	Chevron Alignment Left	18	24	
	5	Eastbound	47.29331, -122.28909	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
14		Westbound	47.29331,-122.26909			W1-8L	Chevron Alignment Left	18	24	
	6	Eastbound	47 00226 102 00000	DOOT	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
		Westbound	47.29336, -122.28882	PSST		W1-8L	Chevron Alignment Left	18	24	
	7	Eastbound	47.2934, -122.28848	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
	7	Westbound	47.2934, -122.20040	P331	2.25 x 2.25	W1-8L	Chevron Alignment Left	18	24	
F	8	Eastbound	47.29341, -122.28817	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24	
	0	Westbound	47.29341,-122.20017	P331	2.25 X2.25	W1-8L	Chevron Alignment Left	18	24	
	0	Weathound	47.00244 100.00775	Deet	2.25" × 2.25"	W1-3L	Reverse Turn Left Warning Sign	30	30	
	9	Westbound	47.29344, -122.28775	PSST	2.25" x 2.25"	W13-1P-25	Advisory Speed Plaque 25	18	18	

PSST: Perforated Square Steel Tube

Notes

1. Maintain and protect existing signs and posts unless otherwise noted.

2. See Sheet 44 for Post Height and Sign Installation Details.



	N
Remarks	
FINAL SUB	MITTAL
f Federal Way	CITY PROJECT #: 218
ve Warning Signs WEYERHAEUSER WAY S – CITY LIMIT	SHT. 40
	OF 50



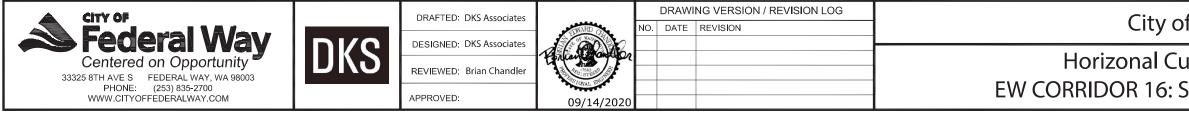
	Cine Deet Number	Travel Direction		Post Type	e Post Size	Cine Code		Sign Size (inches)		Bo		
Corridor Number	Sign Post Number	Travel Direction	Location (X, Y)	PostType	Post Size	Sign Code	Sign Description	Х	Y	Re		
	1	1 Eastbound	– 4 – 1		47.28251, -122.32129	EX	EX	W1-3L	Reverse Turn Left Warning Sign	36	36	Relocate existing 35 mph speed I
	1	Eastbound	47.28251,-122.32129	EX	EA	W13-1P-25	Advisory Speed Plaque 25	18	18			
	2	Eastbound	47 00050 400 00077	DOOT	2.25" x 2.25"	W1-8L	Chevron Alignment Left	18	24			
	2	Westbound	47.28253, -122.32077	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24			
		Eastbound	47 00050 400 00040	PSST	2,25" x 2,25"	W1-8L	Chevron Alignment Left	18	24			
	3	Westbound	47.28259, -122.32048	P551	2.25 X 2.25	W1-8R	Chevron Alignment Right	18	24			
	4	Eastbound	47 00070 400 0000	PSST	2.25" x 2.25"	W1-8L	Chevron Alignment Left	18	24			
	4	Westbound	47.28273, -122.3202	P551	2.25 X2.25	W1-8R	Chevron Alignment Right	18	24	1		
	5	Eastbound	47.28366, -122.31938	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24			
		Westbound				W1-8L	Chevron Alignment Left	18	24	1		
16	6	Eastbound	47.28378, -122.31908	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24			
		Westbound				W1-8L	Chevron Alignment Left	18	24	1		
	7	Eastbound	17.00000 400.04054	DOOT	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24			
	1	Westbound	47.28386, -122.31851	PSST		W1-8L	Chevron Alignment Left	18	24	1		
	0	Eastbound	47.00004 400.04040	PSST	2,25" x 2,25"	W1-8R	Chevron Alignment Right	18	24			
	8	Westbound	47.28384, -122.31819	P331	2.25 X2.25	W1-8L	Chevron Alignment Left	18	24	1		
	0	Eastbound	47.00005 400.04750	PSST	2.25" x 2.25"	W1-8R	Chevron Alignment Right	18	24			
	9	Westbound	47.28365, -122.31758	P331	2.25 X2.25	W1-8L	Chevron Alignment Left	18	24	1		
	10)A/a a th a un d	47 00007 400 04700	DOOT	2.25" + 2.25"	W1-3L	Reverse Turn Left Warning Sign	36	36			
	10	Westbound	47.28337, -122.31703	PSST	2.25" x 2.25"	W13-1P-25	Advisory Speed Plaque 25	18	18]		
	11	Eastbound	47.28322, -122.31723	PSST	2.25" x 2.25"	R2-1 (EX)	Speed Limit 35	EX	EX	Reinstall existing 35 mph speed l		

EX: Existing

Notes

1. Maintain and protect existing signs and posts unless otherwise noted.

2. See Sheet 44 for Post Height and Sign Installation Details.

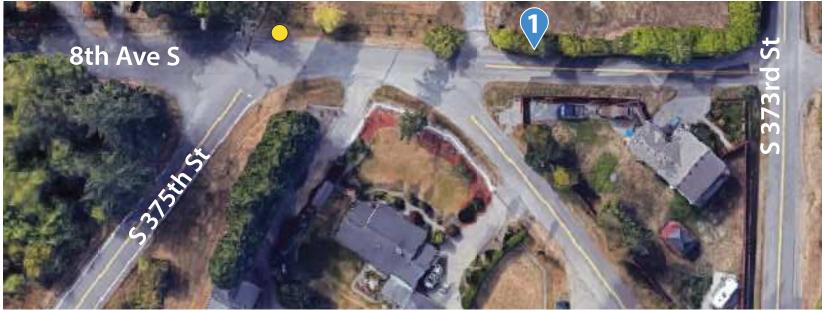


Remarks
d limit sign to sign post number 11.
d limit sign.

FINAL SUBMITTAL

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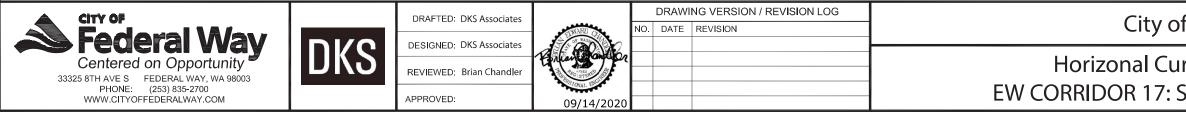
of Federal Way	CITY PROJECT #: 218
urve Warning Signs	SHT. 41
S 356TH; SR99-16TH AVE S	OF 50



Corridor Number Sign Post Number	Travel Direction	Location (X, Y)	Post Type	Post Size	Sign Code	Sign Description	Sign Size	e (inches)		
	Sign Fost Number	Traver Direction		FUSIType	pe Fost Size	Sign Code	Sign Description	Х	Y	
17	17 1	Eastbound	47.26678, -122.32436	PSST	2.25" x 2.25"	W1-1L	Turn Left Warning Sign	30	30	
1/						W13-1P-10	Advisory Speed Plaque 10	18	18	
PSST: Perforate	d Square Steel Tub	9								

1. Maintain and protect existing signs and posts unless otherwise noted.

2. See Sheet 44 for Post Height and Sign Installation Details.



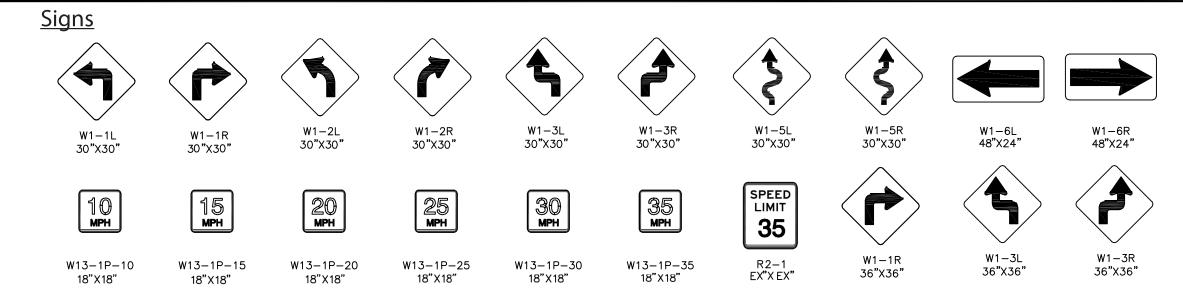


Remarks

FINAL SUBMITTAL

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	CITY PROJECT #: 218
Irve Warning Signs	SHT. 42
S 375TH ST AT 8TH AVE S	OF 50



MUTCD Tables

565 ft

670 ft

775 ft

885 ft

990 ft

1,100 ft

1,200 ft

1,250 ft

1,350 ft

35 mph

40 mph

45 mph

50 mph

55 mph

60 mph

65 mph

70 mph

75 mph

100 ft⁶

125 ft

175 ft

250 ft

325 ft

400 ft

475 ft

550 ft

650 ft

N/A5

100 ft⁶

125 ft

200 ft

275 ft

350 ft

450 ft

525 ft

625 ft

l		Advance Placement Distance ¹									
Posted or 85th-	Condition A: Speed reduction	Condition B: Deceleration to the listed advisory speed (mph) for the condition									
	Percentile Speed	and lane changing in heavy traffic ²	03	104	204	30 ⁴	404	50 ⁴	604	704	
l	20 mph	225 ft	100 ft ^s	N/A5	_	_	—	—	_	—	
I	25 mph	325 ft	100 ft ^e	N/A ^s	N/A ^s	_	-	_	_	_	
I	30 mph	460 ft	100 ft ^e	N/A ^s	N/A ^s	-	_	_	_	_	

N/A⁵

N/A⁵

100 ft⁶

125 ft

200 ft

275 ft

350 ft

450 ft

550 ft

_

_

N/A5

100 ft^s 125 ft

200 ft

275 ft

375 ft

475 ft

_

_

_

N/A⁵

100 ft⁶

200 ft

275 ft

375 ft

_

_

_

_

100 ft^e

150 ft

250 ft

_

—

_

_

_

_

100 ft⁶

N/A⁵

100 ft⁶

100 ft⁶

175 ft

225 ft

325 ft

400 ft

500 ft

600 ft

Table 2C-4. Guidelines for Advance Placement of Warning Signs

¹ The distances are adjusted for a sign legibility distance of 180 feet for Condition A. The distances for Condition B have been adjusted for a sign legibility
distance of 250 feet, which is appropriate for an alignment warning symbol sign. For Conditions A and B, warning signs with less than 6-inch legend or
more than four words, a minimum of 100 feet should be added to the advance placement distance to provide adequate legibility of the warning sign.

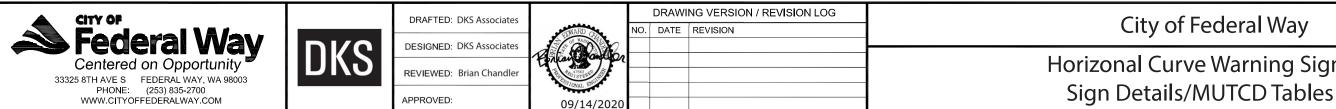
- ² Typical conditions are locations where the road user must use extra time to adjust speed and change lanes in heavy traffic because of a complex driving situation. Typical signs are Merge and Right Lane Ends. The distances are determined by providing the driver a PRT of 14.0 to 14.5 seconds for vehicle maneuvers (2005 AASHTO Policy, Exhibit 3-3, Decision Sight Distance, Avoidance Maneuver E) minus the legibility distance of 180 feet for the appropriate sign.
- ³Typical condition is the warning of a potential stop situation. Typical signs are Stop Ahead, Yield Ahead, Signal Ahead, and Intersection Warning signs. The distances are based on the 2005 AASHTO Policy, Exhibit 3-1, Stopping Sight Distance, providing a PRT of 2.5 seconds, a deceleration rate of 11.2 feet/second², minus the sign legibility distance of 180 feet.
- ⁴ Typical conditions are locations where the road user must decrease speed to maneuver through the warned condition. Typical signs are Turn, Curve, Reverse Turn, or Reverse Curve. The distance is determined by providing a 2.5 second PRT, a vehicle deceleration rate of 10 feet/second², minus the sign legibility distance of 250 feet.
- ⁵No suggested distances are provided for these speeds, as the placement location is dependent on site conditions and other signing. An alignment warning sign may be placed anywhere from the point of curvature up to 100 feet in advance of the curve. However, the alignment warning sign should be installed in advance of the curve and at least 100 feet from any other signs.
- ⁶ The minimum advance placement distance is listed as 100 feet to provide adequate spacing between signs.

Table 2C-5. Horizontal Alignment Sign Selection

Type of Herizoptal	Difference Between Speed Limit and Advisory Speed							
Type of Horizontal Alignment Sign	5 mph 10 mph 15 mph		20 mph	25 mph or more				
Turn (W1-1), Curve (W1- 2), Reverse Turn (W1-3), Reverse Curve (W1-4), Winding Road (W1-5), and Combination Horizontal Alignment/Intersection (W10-1) (see Section 2C.07 to determine which sign to use)	Recommended	Required	Required	Required	Required			
Advisory Speed Plaque (W13-1P)	Recommended	Required	Required	Required	Required			
Chevrons (W1-8) and/or One Direction Large Arrow (W1-6)	Optional	Recommended	Required	Required	Required			
Exit Speed (W13-2) and Ramp Speed (W13-3) on exit ramp	Optional	Optional	Recommended	Required	Required			

Note: Required means that the sign and/or plaque shall be used, recommended means that the sign and/or plaque should be used, and optional means that the sign and/or plaque may be used.

See Section 2C.06 for roadways with less than 1,000 ADT.





W1-10fL

30"X30"



W1-10fR



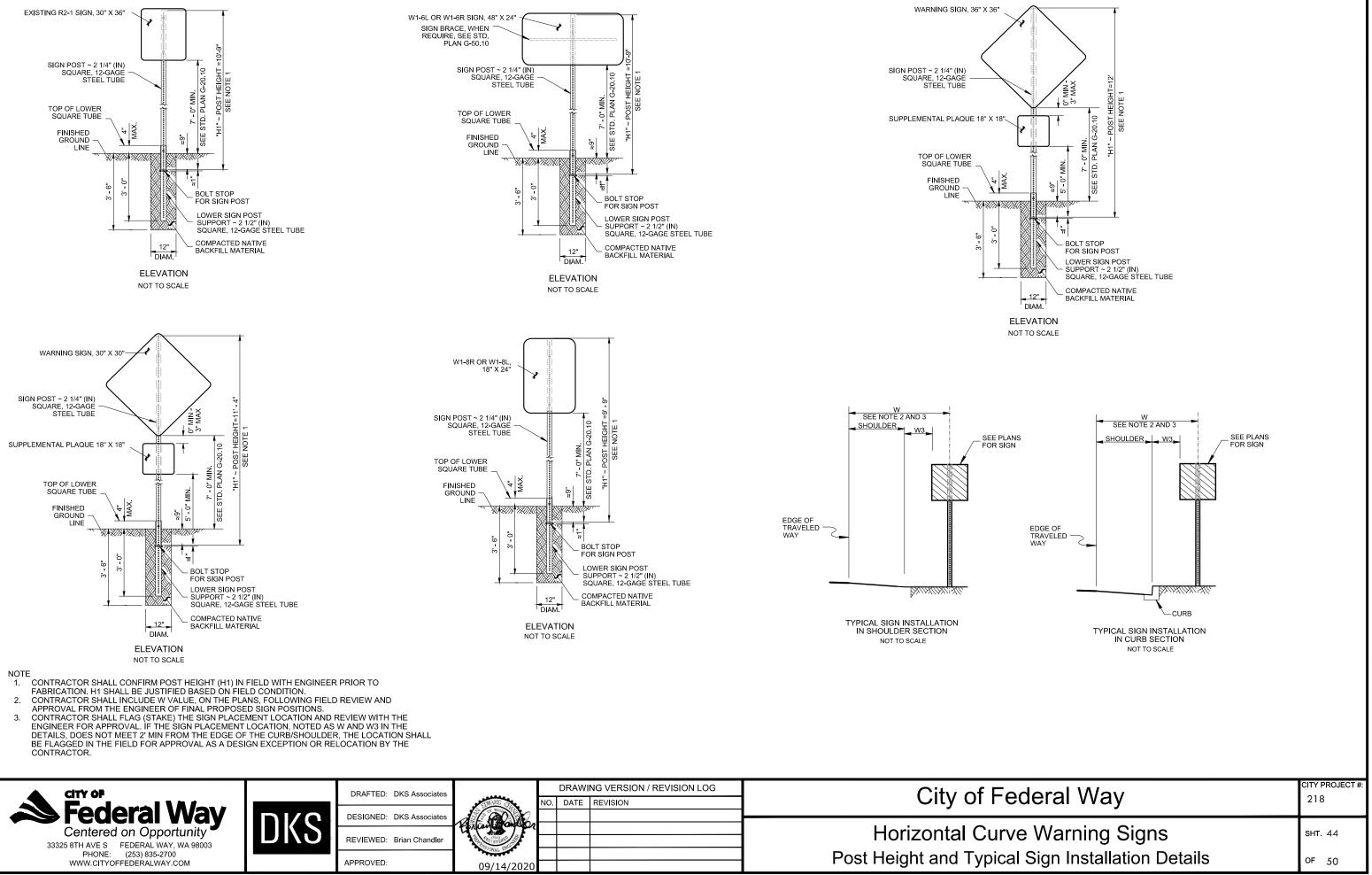


W1–8R 18**°**X24" W1-8L 18"X24"

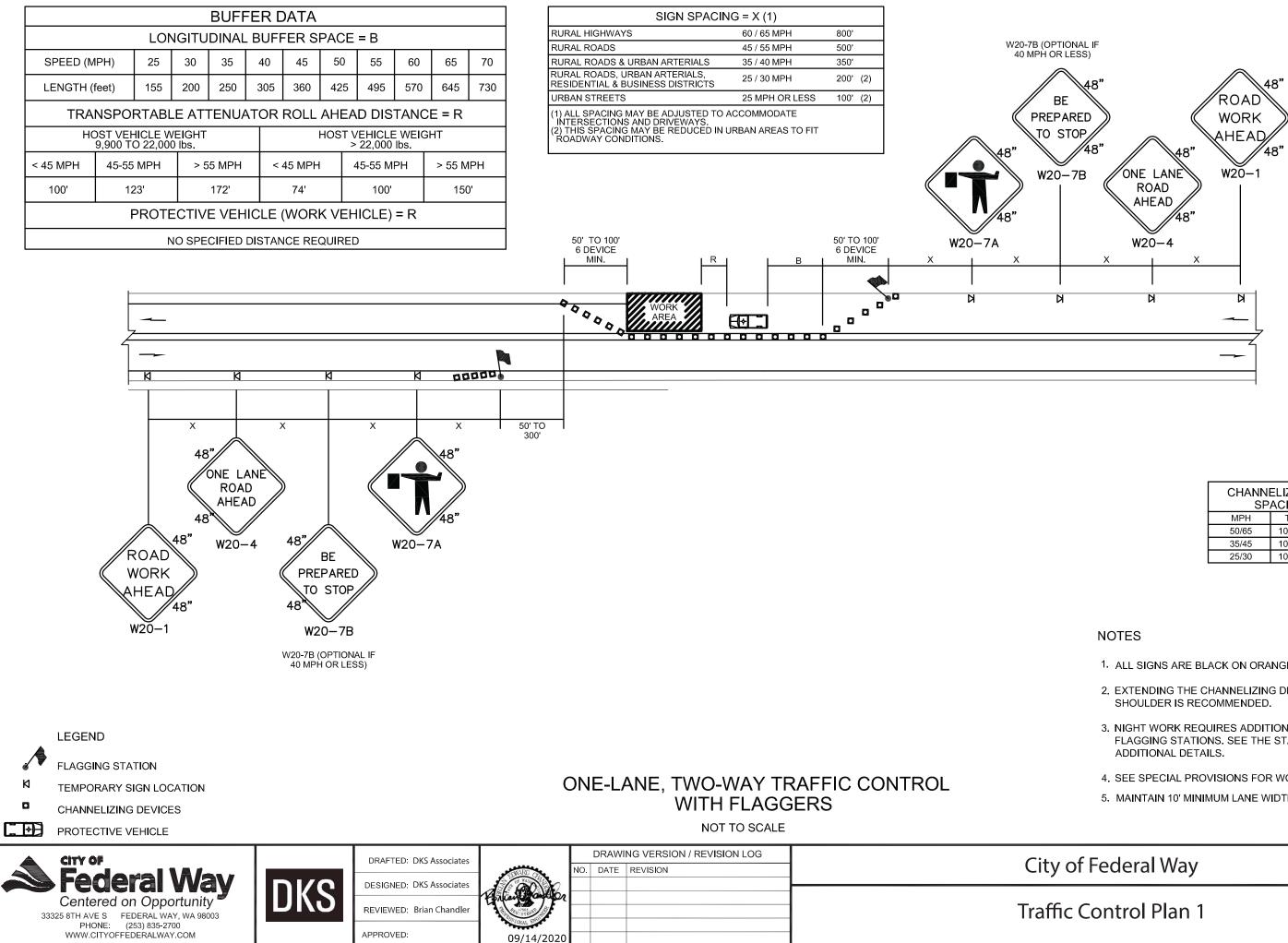




	FINAL SUB	MITTAL
of Federal Way		CITY PROJECT #: 218
Irve Warning Signs		SHT. 43
ls/MUTCD Tables		OF 50



Post	Height	and	Tvni
1 000	i loigi it	and	יאני



CHANNELIZATION DEVICE SPACING (FEET)									
MPH	MPH TAPER								
50/65	10 TO 20	80							
35/45	10 TO 20	60							
25/30	10 TO 20	40							

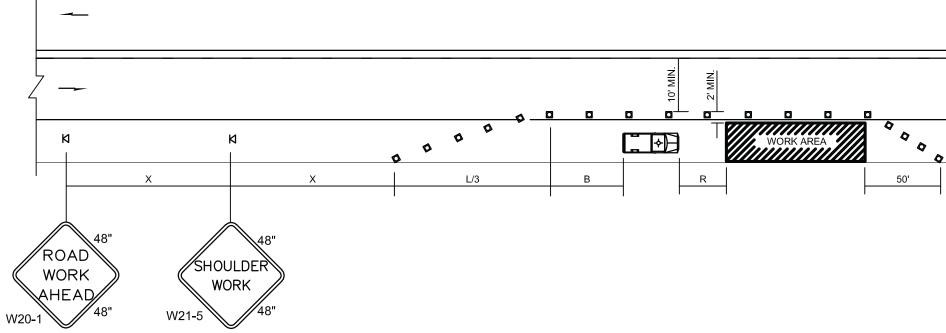
- 1. ALL SIGNS ARE BLACK ON ORANGE.
- 2. EXTENDING THE CHANNELIZING DEVICE TAPER ACROSS
- 3. NIGHT WORK REQUIRES ADDITIONAL ROADWAY LIGHTING AT FLAGGING STATIONS. SEE THE STANDARD SPECIFICATIONS FOR
- 4. SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.
- 5. MAINTAIN 10' MINIMUM LANE WIDTH DURING CONSTRUCTION.

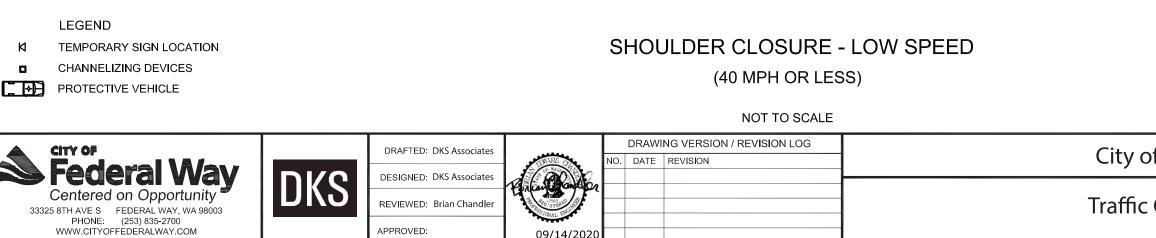
f Federal Way	CITY PROJECT #:
Control Plan 1	SHT. 45
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SIGN SPACING = X (1)									
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350'							
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' (2)							
URBAN STREETS	25 MPH OR LESS	100' (2)							
(1) ALL SPACING MAY BE ADJUSTED TO INTERSECTIONS AND DRIVEWAYS. (2) THIS SPACING MAY BE REDUCED IN ROADWAY CONDITIONS.	ACCOMMODATE URBAN AREAS TO FIT								

	MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)										
SHOULDER WIDTH		Posted Speed (mph)									
(feet)	25	30	35	40	45	50	55	60	65	70	
8'	40	40	60	90	-	-	-	-	-	-	
10'	40 60 90 90										
	USE A 3 DEVICES TAPER FOR SHOULDERS LESS THEN 8'										

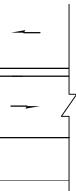
BUFFER DATA											
LONGITUDINAL BUFFER SPACE = B											
SPEED (MPH)		25	30	35	40	45	50	55	60	65	70
LENGTH (feet)		155	200	250	305	360	425	495	570	645	730
TRA	NSPC	RTAB	LE AT	TENU	ATOR	ROLL	. AHE	AD DIS	STANC	E = R	
Н	DST VEH 9,900 T0							/EHICLE 22,000		HT	
< 45 MPH	45-55	5 MPH	> !	55 MPH	<	< 45 MPH 45-55 MPH			PH	> 55 MPH	
100' 123' 172' 74' 100' 150')'					
PROTECTIVE VEHICLE (WORK VEHICLE) = R											
			NO SP	ECIFIED	DISTA	NCE RI	EQUIRE	D			





09/14/2020

APPROVED:



CHANNELIZATION DEVICE SPACING (feet)						
MPH	TAPER	TANGENT				
35/40	30	60				
25/30 20 40						

NOTES

1. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20' (FT).

2. ALL SIGNS ARE BLACK ON ORANGE.

3. MAINTAIN 10' MINIMUM LANE WIDTH DURING CONSTRUCTION.

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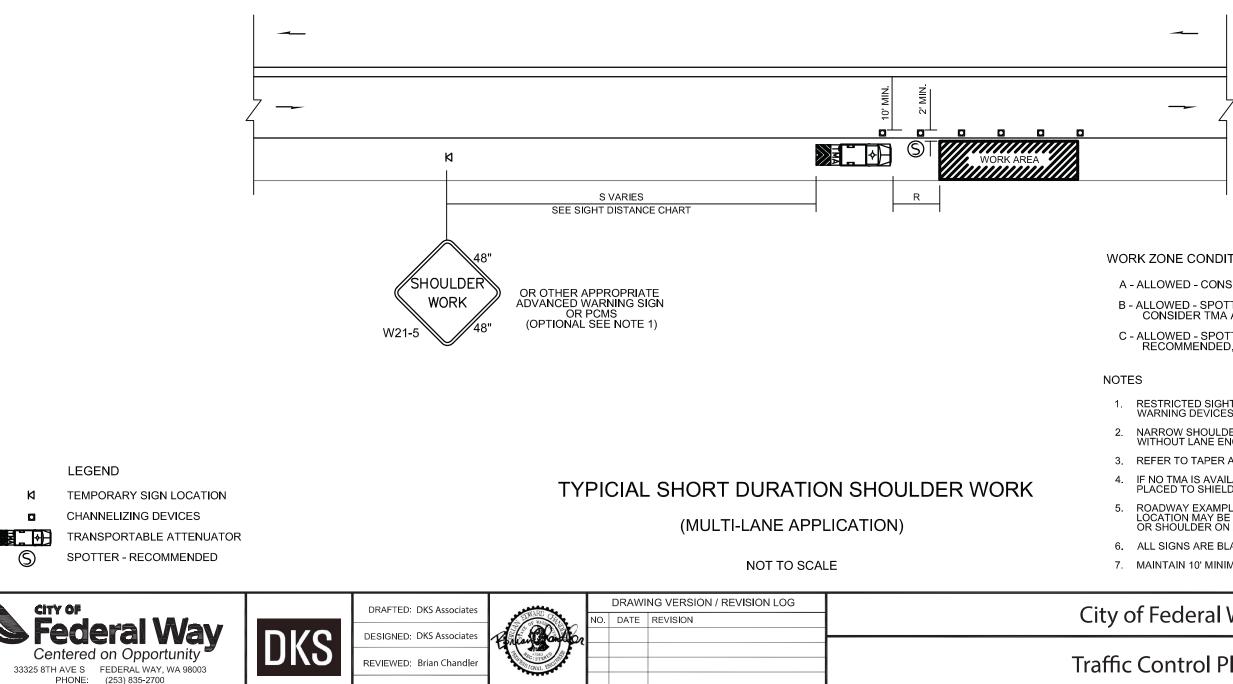
SIGHT DISTANCE DATA										
	MINIMUM STOPPING SIGHT DISTANCE = S									
SPEED LIMIT MPH	25	30	35	40	45	50	55	60	65	70
DISTANCE FEET 155 200 250 305 360 425 495 570 645 730										
DISTANCES SHOWN ARE MINIMUMS, USE ADDITIONAL DISTANCE WHEN POSSIBLE										

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APPROVED:

CHANNELIZATION DEVICE SPACING (feet)						
MPH	TAPER	TANGENT				
35/40	30	60				
25/30	20	40				

TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R							
	HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs.HOST VEHICLE WEIGHT > 22,000 lbs.						
< 45 MPH							
100' 123' 172' 74' 100' 150'							
	PROTECTIVE VEHICLE (WORK VEHICLE) = R						
	NO SPECIFIED DISTANCE REQUIRED						



09/14/2020

WORK ZONE CONDITION (SEE CHAPTER 1.9.10)

A - ALLOWED - CONSIDER USING A SPOTTER

B - ALLOWED - SPOTTER AND/OR CHANNELIZING DEVICES RECOMMENDED, CONSIDER TMA AND OR PCMS ARROW CAUTION MODE.

C - ALLOWED - SPOTTER, CHANNELIZATION DEVICES AND PCMS /ARROW RECOMMENDED, CONSIDER TMA

1. RESTRICTED SIGHT DISTANCE REQUIRES ADDITIONAL ADVANCE WARNING DEVICES OR SIGNS, SEE SIGHT DISTANCE CHART.

2. NARROW SHOULDERS THAT DO NOT PROVIDE FOR WORK OPERATIONS WITHOUT LANE ENCROACHMENT - REQUIRES LANE CLOSURE.

3. REFER TO TAPER AND BUFFER SPACE CHARTS.

IF NO TMA IS AVAILABLE, THE WORK VEHICLE MAY BE STRATEGICALLY PLACED TO SHIELD WORK AREA.

ROADWAY EXAMPLE REPRESENTS TYPICAL LOCATION. OPTIONAL LOCATION MAY BE LEFT OR RIGHT SHOULDERS, MEDIAN, GORE AREA, OR SHOULDER ON A MULTI-LANE ROADWAY.

6. ALL SIGNS ARE BLACK ON ORANGE

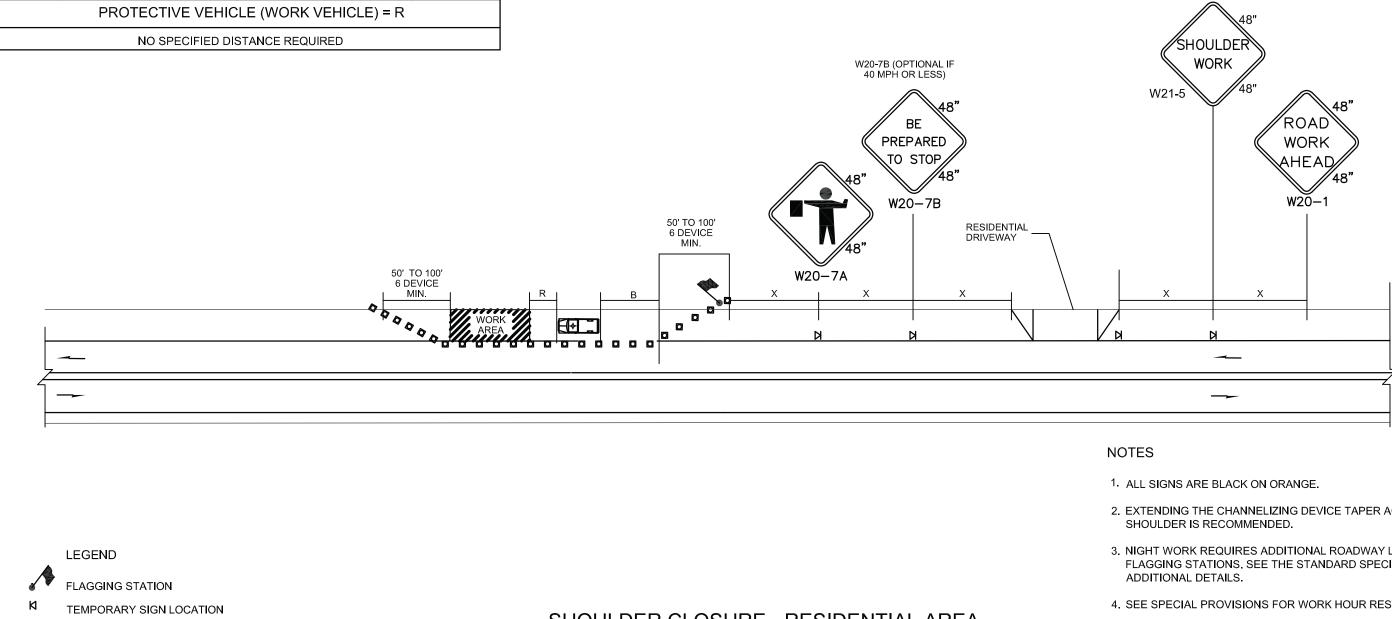
7. MAINTAIN 10' MINIMUM LANE WIDTH DURING CONSTRUCTION

f Federal Way	CITY PROJECT #:
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	OF 50

BUFFER DATA LONGITUDINAL BUFFER SPACE = B SPEED (MPH) 25 30 35 40 45 50 60 65 70 LENGTH (ref) 155 200 250 305 360 425 495 570 645 730 TRANSPORTABLE VETURINE VETUR											
SPEED (MPH) 25 30 35 40 45 50 55 60 65 70 LENGTH (feet) 155 200 250 305 360 425 495 570 645 730 TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R HOST VEHICLE WEIGHT 9,900 TO 22,000 bbs. STVEHICLE WEIGHT 455 MPH 4555 MPH <55 MPH	BUFFER DATA										
LENGTH (feet) 155 200 250 305 360 425 495 570 645 730 TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs. KOST VEHICLE WEIGHT 9,900 TO 22,000 lbs. 45-55 MPH 45-55 MPH 100' 100' 100' 100' 100' 172' 700 100' 100' 100' 100' 100' 100' 100' 172' 100' 100' 150'	LONGITUDINAL BUFFER SPACE = B										
TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs. HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs. 45 MPH 45 MPH 45 MPH > 55 MPH 45 MPH 45-55 MPH > 55 MPH < 45 MPH	SPEED (MPH) 25 30 35 40 45 50 55 60 65 70										
HOST VEHICLE WEIGHT 9,900 TO 22,000 lbs. HOST VEHICLE WEIGHT > 22,000 lbs. < 45 MPH	LENGTH (feet)	155	200	250	305	360	425	495	570	645	730
9,900 TO 22,000 lbs. > 22,000 lbs. < 45 MPH	TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R										
100' 123' 172' 74' 100' 150'											
	< 45 MPH 45-55 MPH > 55 MPH < 45 MPH 45-55 MPH > 55 MPH										
PROTECTIVE VEHICLE (WORK VEHICLE) = R	100' 123' 172' 74' 100' 150'										
	PROTECTIVE VEHICLE (WORK VEHICLE) = R										
NO SPECIFIED DISTANCE REQUIRED											

SIGN SPACING = X (1)						
RURAL HIGHWAYS	60 / 65 MPH	800'				
RURAL ROADS	45 / 55 MPH	500'				
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350'				
RURAL ROADS, URBAN ARTERIALS, RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' (2)				
URBAN STREETS	25 MPH OR LESS	100' (2)				
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERSECTIONS AND DRIVEWAYS. (2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.						

CHANNELIZATION DEVIC SPACING (FEET)						
MPH	TAPER	TANGE				
50/65	10 TO 20	80				
35/45	10 TO 20	60				
25/30	10 TO 20	40				





PROTECTIVE VEHICLE

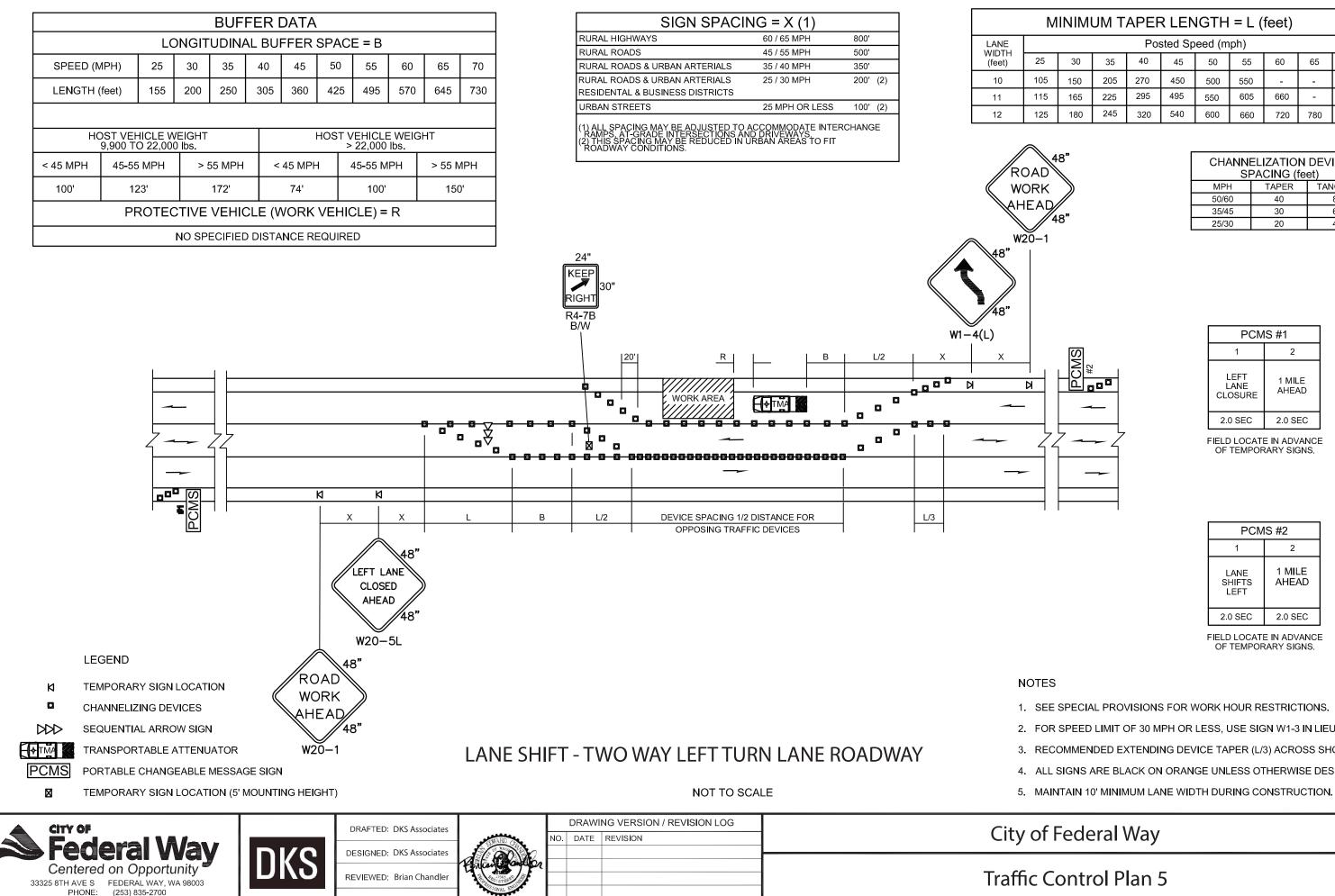
SHOULDER CLOSURE - RESIDENTIAL AREA WITH FLAGGERS

City of	DRAWING VERSION / REVISION LOG		DRAFTED: DKS Associates		
City of	NO. DATE REVISION	EDNARD CH			
		Anten Carlon	DESIGNED: DKS Associates	DVC	Sederal Way
Traffic			REVIEWED: Brian Chandler		Centered on Opportunity 🗖
ITAILCO		CONAL ENGINE	NEVIEWED. Bran changle		33325 8TH AVE S FEDERAL WAY, WA 98003 PHONE: (253) 835-2700
		09/14/2020	APPROVED:		WWW.CITYOFFEDERALWAY.COM

E	
ENT	

- 2. EXTENDING THE CHANNELIZING DEVICE TAPER ACROSS SHOULDER IS RECOMMENDED.
- 3. NIGHT WORK REQUIRES ADDITIONAL ROADWAY LIGHTING AT FLAGGING STATIONS. SEE THE STANDARD SPECIFICATIONS FOR
- 4. SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.
- 5. ADDITIONAL FLAGGERS FOR DRIVEWAYS OR FOR CURVES ARE RECOMMENDED.
- 6. MAINTAIN 10' MINIMUM LANE WIDTH DURING CONSTRUCTION.

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4. ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE DESIGNATED.

3. RECOMMENDED EXTENDING DEVICE TAPER (L/3) ACROSS SHOULDER.

2. FOR SPEED LIMIT OF 30 MPH OR LESS, USE SIGN W1-3 IN LIEU OF SIGN W1-4.

1.	SEE SPECIAL	PROVISIONS	FOR WORK	HOUR REST	RICTIONS.

OF TEMPORARY SIGNS.

PCMS #2	
1	2
LANE SHIFTS LEFT	1 MILE AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE IN ADVANCE

PCM	IS #1
1	2
LEFT LANE CLOSURE	1 MILE AHEAD
2.0 SEC	2.0 SEC

FIELD LOCATE IN ADVANCE

OF TEMPORARY SIGNS.

48 "	
D	
к 》	
/ 48"	
·1	

CHANNELIZATION DEVICE SPACING (feet)			
MPH	TAPER	TANGENT	
50/60	40	80	
35/45	30	60	
25/30	20	40	

60

65

70

270	450	500	550	-	-	-
295	495	550	605	660	i	-
320	540	600	660	720	780	_
					-	
	_					

55

45

40

Posted Speed (mph)

50

MINIMUM LANE CLOSURE TAPER LENGTH = L (feet)										
		Posted Speed (mph)								
WIDTH (feet)	25	30	35	40	45	50	55	60	65	70
10	105	150	205	270	450	500	550	-	-	-
11	115	165	225	295	495	550	605	660	-	-
12	125	180	245	320	540	600	660	720	780	840
MINIMUM SHOULDER TAPER LENGTH = L/3 (feet)										
SHOULDER WIDTH		Posted Speed (mph)								
(feet)	25	30	35	40	45	50	55	60	65	70
8'	40	40	60	90	120	130	150	160	170	190
10'	40	60	90	90	150	170	190	200	220	240
USE A MINIMUM 3 DEVICES TAPER FOR SHOULDER LESS THEN 8'.										

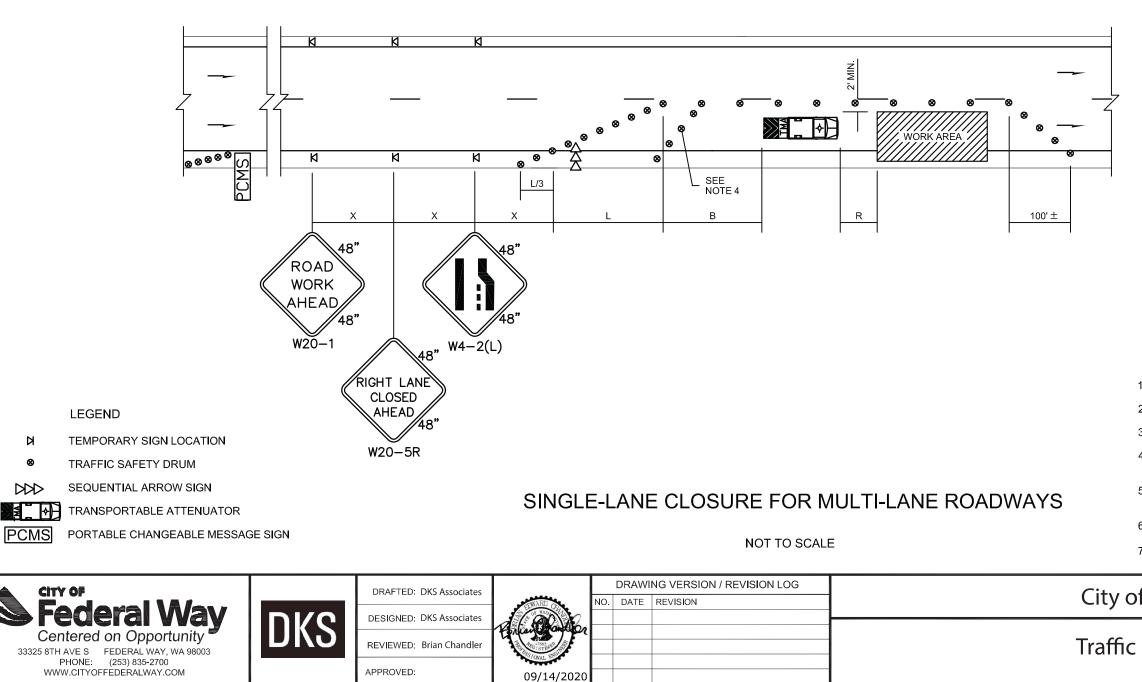
SIGN SPACING = X (1)			
FREEWAYS & EXPRESSWAYS	55 / 70 MPH	1500'	
RURAL HIGHWAYS	60 / 65 MPH	800'	
RURAL ROADS	45 / 55 MPH	500'	
RURAL ROADS & URBAN ARTERIALS	35 / 40 MPH	350'	
RURAL ROADS & URBAN ARTERIALS RESIDENTIAL & BUSINESS DISTRICTS	25 / 30 MPH	200' (2)	
URBAN STREETS	25 MPH OR LESS	100' (2)	

ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS, AT-GRADE INTERSECTIONS AND DRIVEWAYS.
 THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS.

CHANNELIZATION DEVICE SPACING (feet)				
MPH	TAPER	TANGENT		
50/70	40	80		
35/45	30	60		
25/30	20	40		

LENGTH (f
TRAN
HOS 9,9
< 45 MPH

100'



BUFFER DATA												
LONGITUDINAL BUFFER SPACE = B												
SPEED (MP	PH)	25	30	35	40	45	50	55	60	65	70	
LENGTH (feet)		155	200	250	305	360	425	495	570	645	730	
TRANSPORTABLE ATTENUATOR ROLL AHEAD DISTANCE = R												
		LE WEIC 2,000 lbs			HOST VEHICLE WEIGHT > 22,000 lbs.							
45 MPH	45-55	MPH	> 5	5 MPH	< 2	< 45 MPH		45-55 MPH		> 55 MPH		
100'	12	123' 172'			74'		100'		150'			

PCMS					
1	2				
RIGHT LANE CLOSURE	1 MILE AHEAD				
2.0 SEC	2.0 SEC				

FIELD LOCATE 1 MILE \pm IN ADVANCE OF LANE CLOSURE SIGNING.

NOTES

- 1. SEE SPECIAL PROVISIONS FOR WORK HOUR RESTRICTIONS.
- 2. EXTEND DEVICE TAPER AT L/3 ACROSS SHOULDER.
- 3. DEVICES SHALL NOT ENCROACH INTO THE ADJACENT LANE.
- 4. USE TRANSVERSE DEVICES IN CLOSED LANE EVERY 1000' (FT) (RECOMMENDED).
- 5. DEVICE SPACING FOR THE DOWNSTREAM TAPER SHALL BE 20' (FT).
- 6. ALL SIGNS ARE BLACK ON ORANGE.
- 7. MAINTAIN 10' MINIMUM LANE WIDTH DURING CONSTRUCTION.

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