



Table 2-3: Taper Lengths and Device Quantities

Lane Width	10 Feet				11 Feet				12 Feet				Shoulder Tapers	
	MERGING		SHIFTING		MERGING		SHIFTING		MERGING		SHIFTING		SHOULDER	
	MPH	L	Cones	L/2	Cones	L	Cones	L/2	Cones	L	Cones	L/2	Cones	L/3
20	70	5	35	3	75	5	40	3	80	5	40	3	25	3
25	105	6	55	3	115	6	60	4	125	6	65	4	35	3
30	150	6	75	4	165	7	85	4	180	7	90	4	50	3
35	205	7	105	4	225	8	115	5	245	8	125	5	70	4
40	270	8	135	5	295	9	150	5	320	9	160	5	90	4
45	450	11	225	6	495	12	250	7	540	13	270	7	150	6
50	500	11	250	6	550	12	275	7	600	13	300	7	170	6
55	550	11	275	6	605	12	305	7	660	13	330	7	185	6
60	600	11	300	6	660	12	330	7	720	13	360	7	200	6
65	650	11	325	6	715	12	370	7	780	13	390	7	220	7
70	700	11	350	6	770	12	385	7	840	13	420	7	235	7

"L" for shoulder taper equals Shoulder Width x Speed.

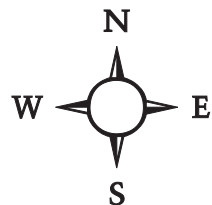
Figures shown are for 10' shoulders.

Posted Speed	Spacing Between Signs			"Buffer" Space
	A	B	C	
20				50
25				75
30	100	100	100	100
35				125
40	350	350	350	150
45				180
50	500	500	500	210
55				250
60				285
65	700	700	700	325
70				365
Freeways:				
55				250
60				285
65	1000	1500	2640	325
70				365

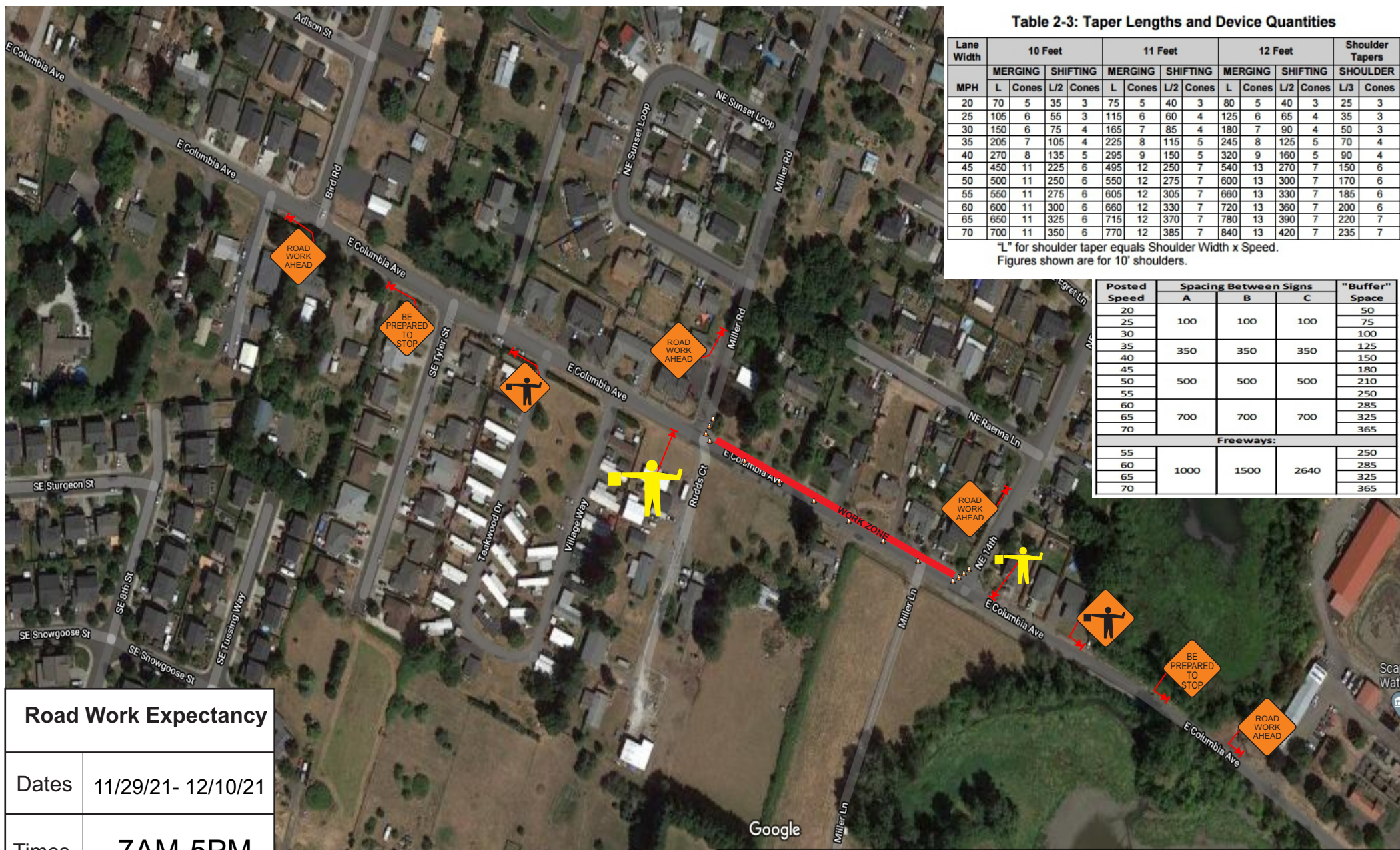
Road Work Expectancy	
Dates	11/29/21- 12/10/21
Times	7AM-5PM

One lane flagging on Columbia Ave from Miller to Bird.

Work Zone 



Owner	Airpark		
Project Name	Scappoose Industrial Subdivision		
Prime Contractor	Tapani Inc		
Phone	Sheet Number	Date	
360-687-1148	1	11/23/21	
Prepared By	Samantha Ortman (360)635-3323		



One lane flagging on Columbia Ave from Miller to Bird.

Table 2-3: Taper Lengths and Device Quantities

Lane Width	10 Feet				11 Feet				12 Feet				Shoulder Tapers	
	MERGING		SHIFTING		MERGING		SHIFTING		MERGING		SHIFTING		SHOULDER	
	L	Cones	L/2	Cones	L	Cones	L/2	Cones	L	Cones	L/2	Cones	L/3	Cones
20	70	5	35	3	75	5	40	3	80	5	40	3	25	3
25	105	6	55	3	115	6	60	4	125	6	65	4	35	3
30	150	6	75	4	165	7	85	4	180	7	90	4	50	3
35	205	7	105	4	225	8	115	5	245	8	125	5	70	4
40	270	8	135	5	295	9	150	5	320	9	160	5	90	4
45	450	11	225	6	495	12	250	7	540	13	270	7	150	6
50	500	11	250	6	550	12	275	7	600	13	300	7	170	6
55	550	11	275	6	605	12	305	7	660	13	330	7	185	6
60	600	11	300	6	660	12	330	7	720	13	360	7	200	6
65	650	11	325	6	715	12	370	7	780	13	390	7	220	7
70	700	11	350	6	770	12	385	7	840	13	420	7	235	7

"L" for shoulder taper equals Shoulder Width x Speed.
 Figures shown are for 10' shoulders.

Posted Speed	Spacing Between Signs			"Buffer" Space
	A	B	C	
20				50
25				75
30	100	100	100	100
35				125
40	350	350	350	150
45				180
50	500	500	500	210
55				250
60				285
65	700	700	700	325
70				365
Freeways:				
55				250
60				285
65	1000	1500	2640	325
70				365

Owner	Airpark		
Project Name	Scappoose Industrial Subdivision		
Prime Contractor	Tapani Inc		
Phone	Sheet Number	Date	
360-687-1148	2	11/23/21	
Prepared By	Samantha Ortman (360)635-3323		

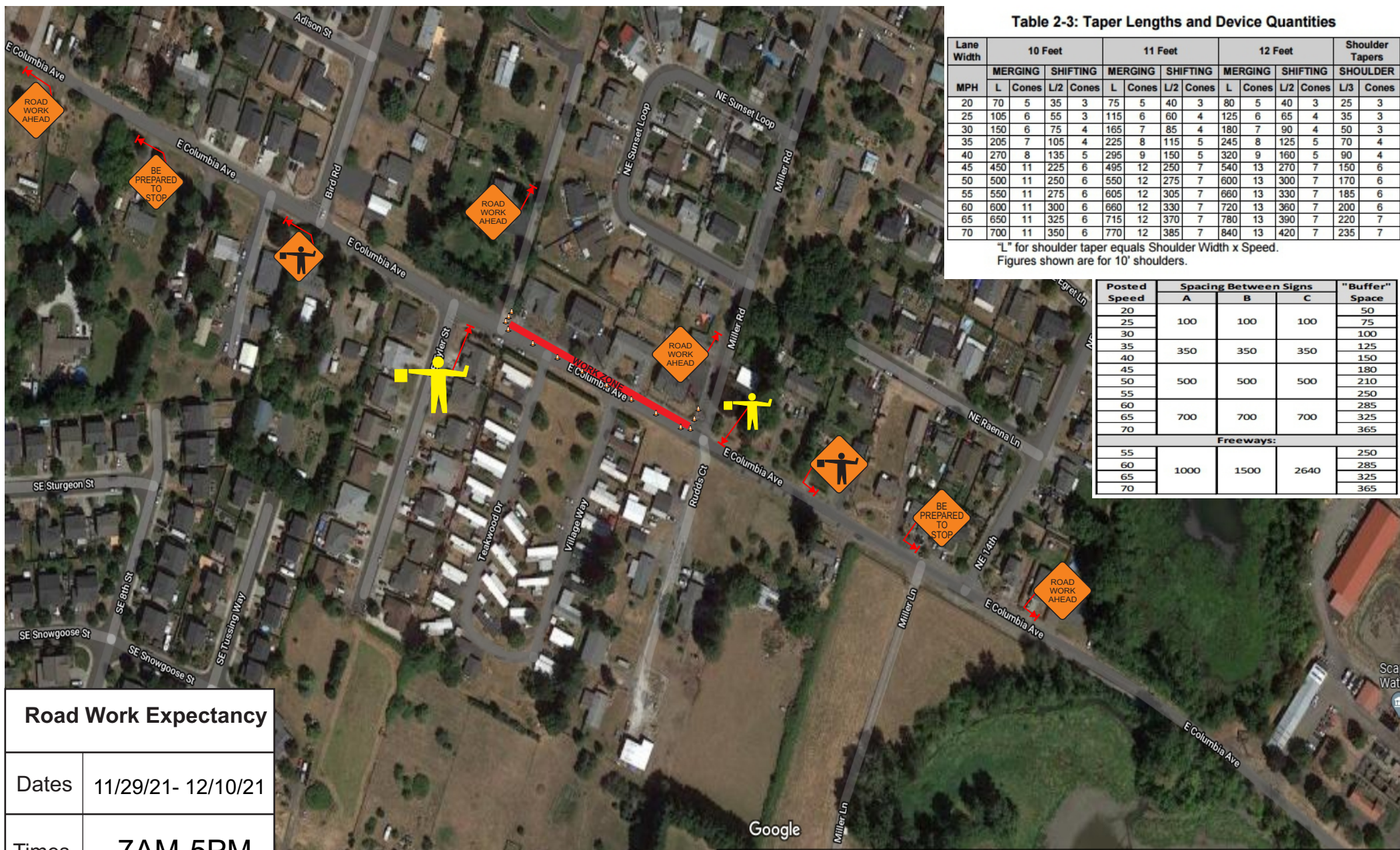


Table 2-3: Taper Lengths and Device Quantities

Lane Width	10 Feet				11 Feet				12 Feet				Shoulder Tapers	
	MERGING		SHIFTING		MERGING		SHIFTING		MERGING		SHIFTING		SHOULDER	
	L	Cones	L/2	Cones	L	Cones	L/2	Cones	L	Cones	L/2	Cones	L/3	Cones
20	70	5	35	3	75	5	40	3	80	5	40	3	25	3
25	105	6	55	3	115	6	60	4	125	6	65	4	35	3
30	150	6	75	4	165	7	85	4	180	7	90	4	50	3
35	205	7	105	4	225	8	115	5	245	8	125	5	70	4
40	270	8	135	5	295	9	150	5	320	9	160	5	90	4
45	450	11	225	6	495	12	250	7	540	13	270	7	150	6
50	500	11	250	6	550	12	275	7	600	13	300	7	170	6
55	550	11	275	6	605	12	305	7	660	13	330	7	185	6
60	600	11	300	6	660	12	330	7	720	13	360	7	200	6
65	650	11	325	6	715	12	370	7	780	13	390	7	220	7
70	700	11	350	6	770	12	385	7	840	13	420	7	235	7

"L" for shoulder taper equals Shoulder Width x Speed.
 Figures shown are for 10' shoulders.

Posted Speed	Spacing Between Signs			"Buffer" Space
	A	B	C	
20				50
25				75
30	100	100	100	100
35				125
40	350	350	350	150
45				180
50	500	500	500	210
55				250
60				285
65	700	700	700	325
70				365
Freeways:				
55				250
60				285
65	1000	1500	2640	325
70				365

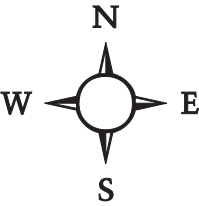
Road Work Expectancy

Dates 11/29/21- 12/10/21

Times 7AM-5PM

One lane flagging on Columbia Ave from Miller to Bird.

Work Zone 



Owner	Airpark		
Project Name	Scappoose Industrial Subdivision		
Prime Contractor	Tapani Inc		
Phone	Sheet Number	Date	
360-687-1148	3	11/23/21	
Prepared By	Samantha Ortman (360)635-3323		

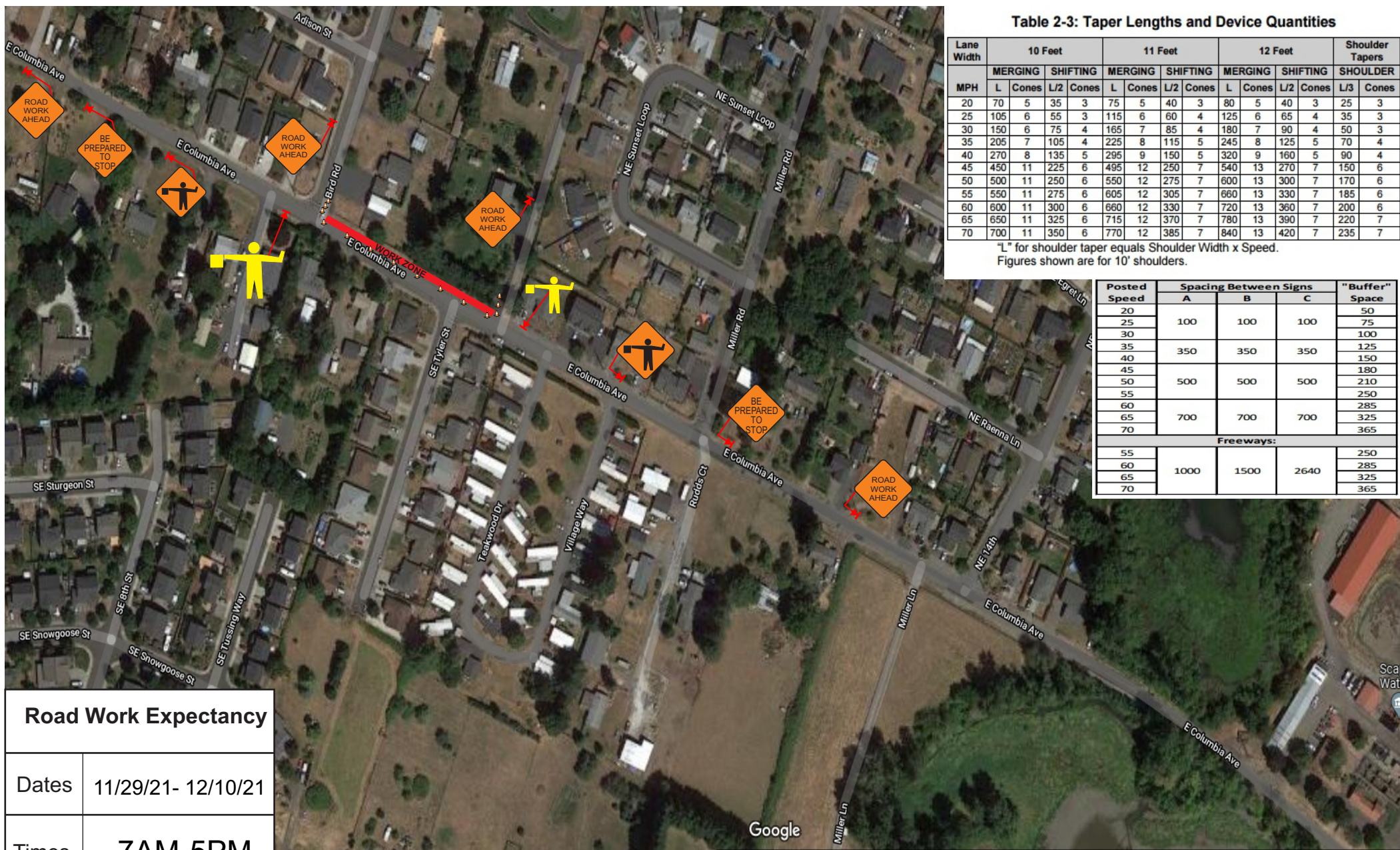


Table 2-3: Taper Lengths and Device Quantities

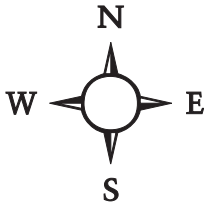
Lane Width	10 Feet				11 Feet				12 Feet				Shoulder Tapers	
	MERGING		SHIFTING		MERGING		SHIFTING		MERGING		SHIFTING		SHOULDER	
	L	Cones	L/2	Cones	L	Cones	L/2	Cones	L	Cones	L/2	Cones	L/3	Cones
20	70	5	35	3	75	5	40	3	80	5	40	3	25	3
25	105	6	55	3	115	6	60	4	125	6	65	4	35	3
30	150	6	75	4	165	7	85	4	180	7	90	4	50	3
35	205	7	105	4	225	8	115	5	245	8	125	5	70	4
40	270	8	135	5	295	9	150	5	320	9	160	5	90	4
45	450	11	225	6	495	12	250	7	540	13	270	7	150	6
50	500	11	250	6	550	12	275	7	600	13	300	7	170	6
55	550	11	275	6	605	12	305	7	660	13	330	7	185	6
60	600	11	300	6	660	12	330	7	720	13	360	7	200	6
65	650	11	325	6	715	12	370	7	780	13	390	7	220	7
70	700	11	350	6	770	12	385	7	840	13	420	7	235	7

"L" for shoulder taper equals Shoulder Width x Speed.
 Figures shown are for 10' shoulders.

Posted Speed	Spacing Between Signs			"Buffer" Space
	A	B	C	
20				50
25				75
30	100	100	100	100
35				125
40	350	350	350	150
45				180
50	500	500	500	210
55				250
60				285
65	700	700	700	325
70				365
Freeways:				
55				250
60				285
65	1000	1500	2640	325
70				365

One lane flagging on Columbia Ave from Miller to Bird.

Work Zone 



Owner	Airpark		
Project Name	Scappoose Industrial Subdivision		
Prime Contractor	Tapani Inc		
Phone	Sheet Number	Date	
360-687-1148	4	11/23/21	
Prepared By	Samantha Ortman (360)635-3323		