### **Site Inventory**

A site visit was made January 28-29, 2020 by Tricia Tanner, Dejan Dudich, and Kristie Gladhill. Field data were collected, and operation observations logged.

#### Lane Configurations, Speeds, Roadway Characteristics and Observed Queues

Barnett Road a					gged sign	alized intersection)				
Road Name	Barı	nett Rd	S	tewart A	ve	E	Barnett R	d		
Speed	35	mph		35 mph		35 mph				
Grade%		0%		0%		0%				
Median				2' raised						
Sidewalk		8'		7'			7'			
condition	G	lood		Good			Good			
Bike lane	4' sł	noulder	4	' shoulde	er	2	l' shoulde	er		
Tire Wear	Vi	sible,		Visible,			Visible,			
The wear	with o	cracking	W	ith cracking	ng	W	ith cracki	ng		
Approach	Wes	tbound	N	lorthboun	ld	Eastbound				
Lane										
Configuration	4		•							
	<b>4</b>									
	, v			111			•			
Turning	WBL	WBT	NBL	NBT	NBR	EBL	EBT	EBR		
Movement	0.0.0	0.0.0.0	1.4.1	0.0.0	0.0.1	0.1.0	0.1.1	0.0.1		
AM queues	0,0,0,	0,2,2,0,	1,4,1,	0,0,0,	0,0,1,	0,1,0,	0,1,1,	0,0,1,		
(Vehicles)	0,0,0, 1,3,4,2,		1,2,2	0,0,0	0,0,0	2,1,0	4,1,1	0,0,0		
	1 5,0,1,6									
	0.1	2.2	1.0	0	0.0	07	1.2	0.0		
average	0.1	2.2	1.8	0	0.2	0.7	1.3	0.2		

#### Figure C-1: Barnett Road at Stewart Avenue

Barnett Road at	t Alba Drive	3SG (3-legged signalized intersection							
Road Name	Alba Dr	Barnett Rd	Barnett Rd						
Speed	25 mph	35 mph	35 mph						
Grade%	0%	0%	0%						
Median		14.5'raised							
Sidewalk	Good	Good	Good						
Condition									
Bike lane		4' bike lane	4' bike lane						
Approach	Southbound	Westbound	Eastbound						
Lane									
Configuration									

Figure C-2: Barnett Road at Alba Drive

Barnett Road						4SG (4	4-legge	ed sign	alized	intersection)				
Road Name	Hig	ghland	Dr	Ba	arnett I	Rd	Hig	ghland	Dr	B	arnett R	d		
Speed	/	35 mpł	1		35 mph			35 mpł	1		35 mph			
Grade%		0%			0%			0%			0%			
Median				2	1' raised	1	3	' raise	d		4' raised			
Sidewalk		10'			8'		5.6' E side, 15' W <sup>1</sup>			4' N side, 8' S sid				
Condition		Good			Good		Good			Good				
Bike lane	5'	should	ler	4'	should	er	6'	bike la	ine	5.7	'' bike la	ine		
Tire wear		Visible	<b>)</b>		Visible			Visible	<b>;</b>		Visible			
Approach	So	uthbou	Ind	W	estbour	nd	No	orthbou	Ind	E	Eastboun	d		
Lane Configur- ation			•	-										
Turning Movement	SBL	SBT	SBR	WBL	WBT	WBR	NBL	NBT	NBR	EBL	EBT	EBR		
AM queues (Vehicles)	2, 3, 3, 5, 5, 3	6, 16, 14, 11, 21, 12	11, 18, 16, 12, 16, 16	$10, \\13, \\11, \\7,6, \\7,4, \\6,6, \\5,1, \\2,5, \\1$	4, 3, 2, 1, 3, 0	4, 8, 0, 4, 5, 0	1, 2, 8, 5, 4, 6	10, 12, 6, 10, 6,9, 2,2, 3,3, 4,5	32, 11, 25, 32, 19, 2, 6	2+20+03+22+14+10+2	8+9 10+6 13+9 14+17 11+9 8,7	1, 1, 2 0, 0, 0		
average PM queues (Vehicles)	<u>3.5</u> 2	13.3	14.8	$\begin{array}{r} 6.0\\ \hline 7+27^3\\ 10+16\\ 11+29\\ 4+17\\ 6+27\\ 13+27\\ 6+25\\ 6+17\\ 5+22\\ \end{array}$	2.3 10,26, 16,24, 16,14, 20,15, 10,15	3.5	3.5 10, 10, 4	6.3 8, 6, 10, 10, 4	18.1           9,8,           10,           9,8,           10,           9,8,           10,           9,8,           10,           13,           9,           10	3.2	20.2	0.8		
average				30.6	16.6		10	7.6	7.6					

Figure C-3: Barnett Road at Highland Drive

Notes:

<sup>1</sup>West leg has an overhead shared use path crossing for bicycles and pedestrians; south approach is 320' from curb line; west leg is separated from street, connects with multi-use paths along Bear Creek, forces pedestrian to go north parallel to Alba and double back, taking 1180' to get to the Alba intersection; it would be 1830' to get back to street level at the NW corner of this intersections.

<sup>2</sup>North leg was observed to back up past LT lane storage, into upstream intersection.

<sup>3</sup>East leg  $\sim$ 27 vehicle queue was observed to back up past LT lane storage, into upstream intersection.

Technical Memorandum #2 Appendix C Exit 27 AMT, South Medford

rigure C-4: D														
Barnett Road	l at El	lendal	e Driv	e		4SG (4-	legged	l signa	lized i	intersection)				
Road Name	Elle	endale	Dr	Ba	arnett I	Rd	Elle	endale	Dr	Ba	rnett 1	Rd		
Speed		25 mpł	1		35 mph			25 mpł	1		35 mpł	1		
Grade%		0%			0%			0%			0%			
Sidewalk		5'			8'			6'		8'				
Condition		Good			Good			Good		Good				
Bike lane										3' shoulder				
Tire wear		Visible	<b>)</b>		Visible	Visible Visible				Visible				
Approach	So	uthbou	Ind	W	estbour	nd	No	Ind	E	astbour	nd			
Lane Configur- ation		Southbound							.►					
Turning Movement	SBL	SBT	SBR	WBL	WBT	WBR	NBL	NBT	NBR	EBL	EBT	EBR		
AM queues	0,0,	0,0,		1,0,	5,5,	4,3,	8,3,		1,0,	0,0,	13,	12,		
(Vehicles)	3,1,	0,0,		2,0,	4,4,	3,4,	2,6,		1,1,	2,1,	3,	7,		
	1,2	1,0		0,1	4,3	1,1	1,1		1,1	1,0	11,	13,		
											10,	8,5,		
											1,	12		
											13			
average	1.2	0.2		0.7	4.2	2.7	3.5		0.8	0.7	8.5	9.5		

Figure C-4: Barnett Road at Ellendale Drive

Garfield Stre						0	I (Sing	gle Poi	nt Urł	oan Interchange)			
Road Name	6	Farfiel	d	I-5 N	B off R	lamp	(	Garfiel	d	I-5 SI	3 off R	amp	
Speed		35 mpł	1					35 mpł	1				
Sidewalk		7'			7'			7'			7'		
Condition	Good				Good	Good			Good				
Bike lane	5' shoulder			4'	should	5'	should	ler	6' shoulder				
Approach	SW bound			Ν	W bour	nd	NE bound			SI	E boun	d	
Lane Configur- ation	•					///		Ť.	44			<b>A</b> _ <b>A</b>	
Turning Movement	SBL	SBT	SBR	WBL	WBT	WBR	NBL	NBT	NBR	EBL	EBT	EBR	
AM queues (Vehicles)				5,3, 5,6, 3,4		5,3, 5,3, 3,5	10, 9, 13, 12, 5,6	7+4 7+9 3+4 11, 13, 11, 8, 10		$20, \\15, \\27, \\25-30 \\15, \\12, \\20, \\38^{1}, \\35$	20 <sup>2</sup> , 7,8, 10, 20, 20		
average				4.3		4.0	9.2	10.9		23.7	14.2		

Figure C 5.	<b>Garfield Street at I-5 SPUI Interchange</b>
rigule C-3.	Garnetu Street at 1-5 Sr UT Inter change

<sup>1</sup> EBL 38 vehicle queue was full SB off ramp. There is ~ 20 minute period starting ~ 7:30 am that the SB ramp off-ramp typically backs up onto mainline.
 <sup>2</sup> EBT 20 vehicle queue was nearly the length of the SB off ramp.

Garfield Stre						<b>4SC</b>	d (4-leg	gged si	gnaliz	ed inte	ersecti	on)
Road Name		Garfield	ł	C	enter I			Garfiel	-		enter l	
Speed		35 mph	l		25 mph	l	,	35 mpł	1	,	30 mpł	ı
Grade%		0%			0%			0%		0%		
Median	4	20' gras	S				1	5' gras	SS			
Sidewalk		7'			6'			7'		7'		
Condition		Good			Good			Good			Good	
Bike lane	4'	bike la	ne	33	' should	ler	4'	bike la	nne	3'	should	ler
Tire Wear		Visible,	,		Visible	,		Visible	;,	1	Visible	;,
The wear	wit	th crack	ing	wit	th crack	ing	wit	h crack	king	wit	h crack	king
Approach	S	W bour	nd	N	W bour	nd	N	E boui	nd	SE bound		
Lane		11								<ul> <li></li> </ul>		
Configur-			/					) /	1		///	1
ation		$\sim$				$\nearrow$		///	-			
Turning Movement	SBL	SBT	SBR	WBL	WBT	WBR	NBL	NBT	NBR	EBL	EBT	EBR
PM queues	0,0,	10+10	7,2,				1,1,	7+2		5,8,		4,7,
(Vehicles)	0	7+7	0,0				4,5	15		10		4,5,
(	_	3+5	- , -				7 -	7+7		7+7		7
		10 + 5						5+9				
average	0	14.3	2.3				2.8	13		9.3		6.8

Figure C-6: Garfield Street at Center Drive

Garfield Stre								sectio	n)			
Road Name	6	Garfiel	d	River	side / C			Garfiel			side/O	
Speed		35 mpł	1		45 mph		4	40 mpł	1	4	15 mph	L
Grade%		0%			0%			0%		0%		
Median	4	' raise	d	1	2' raise	12	2' raise	ed	4	4' raised		
Sidewalk		6'			6'			6'		6'		
Condition		Good			Good			Good			Good	
Bike lane	4'	bike la	ine	5'	bike la	ne	4'	bike la	ine	5'	bike la	ne
Tire Wear	, v	Visible	,		Visible,	,		Visible	,	I	/isible,	,
The wear	wit	h crack	ting	wit	h crack	ing	wit	h crack	ting	with	ı crack	ing
Approach	SV	W bou	nd	N	W bour	nd	N	E bour	nd	S	E boun	d
Lane												
Configur-			//.				Y	A		////		
ation									2		)[]	
			٩					///				
Turning Movement	SBL	SBT	SBR	WBL	WBT	WBR	NBL	NBT	NBR	EBL	EBT	EBR
AM queues	2,5,	5,4,		0,0,	7,5,		0,0,	3.7,		5,3,	3,0,	
(Vehicles)	0,	1,3,		0,2,	7,5,		2,1,	8,0,		2,2,	1,1,	
	10,	7,3		4,0	1,6,		2,1	2,8		5,3	1,5	
	8,6,				5							
average	5.2	3.8		1.0	5.1		1.0	4.7		3.3	1.8	

Figure C-7: Garfield Street at Riverside Avenue / OR 99

Figure C-8: R													
<b>Riverside</b> Av	enue /	OR 99	e at Ste	ewart A	venue	4	<u>SG (4-1</u>	egged	signal	lized intersection)			
Road Name	River	rside/C	DR 99	Ste	ewart A	ve	Rive	rside/(	)R 99	Ste	wart A	Ave	
Speed		35 mpł	1		35 mph	l	,	35 mpł	1	,	35 mpł	1	
Grade%		0%			0%			0%		0%			
Median	4	' raise	d	-	l' raised	1	4	' raise	d				
Sidewalk	Good				Good			Good			Good		
Condition													
Bike lane	Visit la						6'	bike la	ine				
	, I	Visible	,	Visible,				Visible	,	1	Visible	,	
Tire Wear	cracking through			cracl	crack	ing the	ough	crack	ing th	rough			
	int	intersection			tersection	on	int	ersecti	on	int	ersecti	on	
Approach	Southbound			W	No	Northbound			Eastbound				
Lane													
Configur-										٩	<b>A</b>		
ation									$\backslash$	_			
					¥						Ì	V	
Turning Movement	SBL	SBT	SBR	WBL	WBT	WBR	NBL	NBT	NBR	EBL	EBT	EBR	
AM queues	1,0,	10,		0,0,	6,4,		5,2,	6,3,		1,1,	6.7		
(Vehicles)	1,1,	6,		0,1,	6,2,		5,3,	6,3,		2,1,	10,		
	0,0	12,		0,1	1,1		2,4	2,4		1,1,	9,9		
		2,4,								0	5,		
		7									3		
average	0.5	6.8		0.3	3.3		3.5	4.0		1.0	6.7		

Figure C-8: Riverside Avenue / OR 99 at Stewart Avenue

## Lanes and Geometrics

Synchro has lane width, crosswalk and sidewalk widths,

### Figure C-9 Barnett Road at Stewart Avenue

Lanes and Geometrics 83: Stewart Avenue & Barnett Road

05/29/2020

	<b>→</b>	7	1	+	1	1
Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	<b>^</b>	1	7	<b>†</b> †	7	77
Ideal Flow (vphpl)	1750	1750	1750	1750	1750	1750
Lane Width (ft)	12	12	12	12	12	12
Grade (%)	0%			0%	0%	
Storage Length (ft)		0	237		151	0
Storage Lanes		1	1		1	2
Taper Length (ft)			95		78	
Lane Util. Factor	0.95	1.00	1.00	0.95	1.00	0.88
Ped Bike Factor						
Frt		0.850				0.850
Flt Protected			0.950		0.950	
Satd. Flow (prot)	3197	1444	1630	3197	1630	2592
Flt Permitted			0.950		0.950	
Satd. Flow (perm)	3197	1444	1630	3197	1630	2592
Right Turn on Red		Yes				Yes
Satd. Flow (RTOR)		65				441
Link Speed (mph)	35			35	35	
Link Distance (ft)	256			1513	442	
Travel Time (s)	5.0			29.5	8.6	
Intersection Summary						

Intersection Summary

Area Type:

Other

## Figure C-10: Barnett Road at Alba Drive

## Lanes and Geometrics

91: Alba Drive & Barnett Road

	٦	-	$\mathbf{\hat{z}}$	4	+	×	•	Ť	1	<b>\</b>	ŧ	~
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	٦	- 44		ሻ	A1⊅					ሻ		7
Ideal Flow (vphpl)	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	85		0	83		0	0		0	0		32
Storage Lanes	1		0	1		0	0		0	1		1
Taper Length (ft)	50			50			25			25		
Lane Util. Factor	1.00	0.95	1.00	1.00	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor	1.00			1.00	1.00					0.99		0.99
Frt					0.997							0.850
Flt Protected	0.950			0.950						0.950		
Satd. Flow (prot)	1646	3197	0	1630	3153	0	0	0	0	1630	0	1473
Flt Permitted	0.349			0.950						0.950		
Satd. Flow (perm)	603	3197	0	1625	3153	0	0	0	0	1618	0	1452
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)					3							68
Link Speed (mph)		35			35			25			25	
Link Distance (ft)		1513			791			116			569	
Travel Time (s)		29.5			15.4			3.2			15.5	
Intersection Summary												
Area Type:	Other											

06/03/2020

## Figure C-11: Barnett Road at Highland Drive

## Lanes and Geometrics

90. Fighland Driv			au U								03/2	29/2020
	٦	-	7	4	+	•	1	Ť	1	1	ţ	~
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	ካካ	<b>^</b>	1	ሻሻ	<b>†</b> ‡		٦	<b>^</b>	1	7	<b>†</b> ‡>	
Ideal Flow (vphpl)	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	300		300	360		0	465		600	250		0
Storage Lanes	2		1	2		0	1		1	1		0
Taper Length (ft)	90			90			90			90		
Lane Util. Factor	0.97	0.95	1.00	*0.67	0.95	0.95	1.00	0.95	1.00	1.00	0.95	0.95
Ped Bike Factor												
Frt			0.850		0.981				0.850		0.967	
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	3285	3353	1485	2225	3293	0	1598	3386	1500	1693	3246	0
Flt Permitted	0.950			0.950			0.950			0.950		
Satd. Flow (perm)	3285	3353	1485	2225	3293	0	1598	3386	1500	1693	3246	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)			80		15				65		26	
Link Speed (mph)		35			35			35			35	
Link Distance (ft)		791			1001			1395			358	
Travel Time (s)		15.4			19.5			27.2			7.0	
Intersection Summary												
Area Type:	Other											
* User Entered Value												

## Figure C-12 Barnett Road at Ellendale Drive

Lanes and Geometrics
94: Ellendale Drive & Barnett Road

	٨	→	7	1	Ļ	٩	1	1	1	٢	ţ	~
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	7	<b>≜</b> ↑⊅		٢	<b>↑</b> 1→		7	f,		7	ţ,	
Ideal Flow (vphpl)	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	82		0	80		0	105		0	95		0
Storage Lanes	1		0	1		0	1		0	1		0
Taper Length (ft)	90			90			90			90		
Lane Util. Factor	1.00	0.95	0.95	1.00	0.95	0.95	1.00	1.00	1.00	1.00	1.00	1.00
Ped Bike Factor	0.99	1.00		1.00	1.00		0.99	0.98		0.98	0.98	
Frt		0.987			0.995			0.915			0.900	
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1646	3190	0	1525	3239	0	1554	1440	0	1646	1512	0
Flt Permitted	0.950			0.950			0.649			0.732		
Satd. Flow (perm)	1633	3190	0	1521	3239	0	1048	1440	0	1248	1512	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		11			4			22			56	
Link Speed (mph)		30			35			30			30	
Link Distance (ft)		1001			1259			426			677	
Travel Time (s)		22.8			24.5			9.7			15.4	
Intersection Summary												

Area Type:

Other

## Figure C-13: Garfield Street at I-5 SPUI Interchange

	٦	7	1	*	٦	t	۴	L.	Ļ	N.	
Lane Group	EBL	EBR2	WBL	WBR2	NBL	NBT	NBR2	SBL	SBT	SBR2	
Lane Configurations	ሻሻ	1	ኘኘ	1	ሻሻ	<b>^</b>	1	ሻሻ	<b>^</b>	1	
deal Flow (vphpl)	1700	1700	1750	1750	1750	1750	1750	1750	1750	1750	
ane Width (ft)	12	12	12	12	12	12	12	12	12	12	
Grade (%)						0%			0%		
Storage Length (ft)	375		270		270			200			
Storage Lanes	2		2		2			2			
Faper Length (ft)	175		175		175			125			
ane Util. Factor	*0.67	1.00	0.97	1.00	0.97	0.95	1.00	0.97	0.95	1.00	
Ped Bike Factor											
Frt		0.850		0.850			0.850			0.850	
Flt Protected	0.950		0.950		0.950			0.950			
Satd. Flow (prot)	2081	1363	3131	1444	3043	3260	1365	3101	3228	1458	
Flt Permitted	0.950		0.950		0.950			0.950			
Satd. Flow (perm)	2081	1363	3131	1444	3043	3260	1365	3101	3228	1458	
Right Turn on Red		Yes		Yes			Yes			Yes	
Satd. Flow (RTOR)		393		348			346			484	
ink Speed (mph)						30			30		
ink Distance (ft)						1345			1395		
Fravel Time (s)						30.6			31.7		
ntersection Summary											
Area Type:	Other										
* User Entered Value											

## Figure C-14: Garfield Street at Center Drive

	Center Drive & Garfield Street											29/2020
	٦	+	1	4	Ŧ	*	1	Ť	1	1	ŧ	4
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	۲	<b>↑</b> 1→		ሻ	<b>^</b>	1	٦	1+		ሻሻ	1+	
Ideal Flow (vphpl)	1700	1700	1700	1700	1700	1700	1700	1700	1700	1700	1700	1700
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	186		0	400		175	51		0	190		0
Storage Lanes	1		0	1		1	1		0	1		0
Taper Length (ft)	49			30			49			36		
Lane Util. Factor	1.00	0.95	0.95	1.00	0.95	1.00	1.00	1.00	1.00	0.97	1.00	1.00
Ped Bike Factor												
Frt		0.999				0.850		0.850			0.871	
Flt Protected	0.950						0.950			0.950		
Satd. Flow (prot)	1553	3133	0	1589	3136	1403	1583	1376	0	2984	1401	0
Flt Permitted	0.198						0.701			0.428		
Satd. Flow (perm)	324	3133	0	1589	3136	1403	1168	1376	0	1344	1401	0
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		1				474		52			74	
Link Speed (mph)		30			30			25			35	
Link Distance (ft)		637			1345			406			1853	
Travel Time (s)		14.5			30.6			11.1			36.1	
Intersection Summary												
Area Type:	Other											

## Lanes and Geometrics

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Note: Center Drive is NB/SB, Garfield Street is EB/WB in Synchro

## Figure C-15: Garfield Street at Riverside Avenue / OR 99

Lanes and Geometrics

87: Riverside/OR99 & Garfield Street

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Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	SEL	SET	SER	NWL	NWT	NWR
Lane Configurations	7	<b>↑</b> 1→		ኘኘ	•	1	ሻሻ	<b>††</b>	1	ľ	<b>††</b>	1
Ideal Flow (vphpl)	1725	1725	1725	1750	1750	1750	1785	1785	1785	1785	1785	1785
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	220		0	300		300	250		512	220		330
Storage Lanes	1		0	2		1	2		1	1		1
Taper Length (ft)	120			155			65			130		
Lane Util. Factor	1.00	0.95	0.95	0.97	1.00	1.00	0.97	0.95	1.00	1.00	0.95	1.00
Ped Bike Factor												
Frt		0.982				0.850			0.850			0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1607	3118	0	3072	1683	1403	3163	3293	1392	1585	3293	1473
Flt Permitted	0.950			0.950			0.950			0.950		
Satd. Flow (perm)	1607	3118	0	3072	1683	1403	3163	3293	1392	1585	3293	1473
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		10				236			71			81
Link Speed (mph)		35			35			45			45	
Link Distance (ft)		630			416			2548			1104	
Travel Time (s)		12.3			8.1			38.6			16.7	
Intersection Summary												
Area Type:	Other											

Area Type:

Other

## Figure C-16: Riverside Avenue / OR 99 at Stewart Avenue

Lanes and Geometrics

84: Riverside/OR99 & Stewart

04. Riverside/Or												29/2020
	۲	→	~	5	+	*_	\$	X	4	*	×	4
Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	SEL	SET	SER	NWL	NWT	NWR
Lane Configurations	ሻ	<b>↑</b> 1→		ሻ	<b>↑</b> Ъ		ሻ	†î⇒		ካካ	<b>††</b>	1
Ideal Flow (vphpl)	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1725	1725
Lane Width (ft)	12	12	12	12	12	12	12	12	12	12	12	12
Grade (%)		0%			0%			0%			0%	
Storage Length (ft)	247		0	218		0	128		0	298		488
Storage Lanes	1		0	1		0	1		0	2		1
Taper Length (ft)	113			36			47			124		
Lane Util. Factor	1.00	0.95	0.95	1.00	0.95	0.95	1.00	0.95	0.95	0.97	0.95	1.00
Ped Bike Factor												
Frt		0.953			0.974			0.958				0.850
Flt Protected	0.950			0.950			0.950			0.950		
Satd. Flow (prot)	1568	3067	0	1630	3108	0	1385	2910	0	3072	3092	1437
Flt Permitted	0.950			0.950			0.950			0.950		
Satd. Flow (perm)	1568	3067	0	1630	3108	0	1385	2910	0	3072	3092	1437
Right Turn on Red			Yes			Yes			Yes			Yes
Satd. Flow (RTOR)		57			19			46				36
Link Speed (mph)		35			35			35			45	
Link Distance (ft)		1338			390			1122			2548	
Travel Time (s)		26.1			7.6			21.9			38.6	
Intersection Summary												
Area Turner	Other											

Area Type:

Other

### Train schedules

There is a railroad track west of OR 99, parallel to OR 99 through the study area. Per Preston Mann with ODOT Region 3 Rail, there are ~ 4 trains/day blocking both Garfield Street and Stewart Avenue for 2-4 minutes each time.

### **Contact Information**

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