WCE

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TECHNICAL MEMORANDUM

TO:	File			1/5/	30	MAP	411
FROM:	Ben Goodman	Ben Goodmansen, E.I.T. Todd R. Whipple, P.E.					
DATE:	May 7, 2025			PY			
PROJECT	20-2564	NAME:	Lotal Class Consumat	12/	4	61 ·	
NO:	20-2699		Latah Glenn/ Greens at	Meag	OWI	ane- ISTER	ED
REGARDING:	16 th Avenue R	edirection P	roject		2210	VALE	NO

Approved Latah Glenn Residential Community TIA Dated March 24, 2022 Excerpt Table 13.

Table 13 - Corridor Project Trip Redirection Summary with Improvement Credit

			Redirected Trips from Ramp by SR 195 Projects									
	Original Trips on Ramp Restriction @ 16th		iction	Flashing Beacon @ Thorpe		Inland Empire Way Ramp & Meter		Total		Trips on Ramp after Redirection		
	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
Existing Trips on Ramp	1,303	643	-53	-20	-50	-20	-210	-97	-313	-137	990	506
Summit	22	17	-	-	-1	-1	-4	-3	-5	-4	17	13
Wheatland	50	9	-	-	-2	0	-10	-2	-12	-2	38	7
Tangle Ridge	10	7	-	-	-1	0	-2	-1	-3	-1	7	6
Latah Glen	13	5	-	-	-1	0	-3	-1	-4	-1	9	4
Qualchan View	42	14	-	-	-2	-1	-8	-3	-10	-4	32	10
Greens @ Meadowlane	5	3	-	-	0	0	-1	-1	-1	-1	4	2
Marshall Creek	72	33	-	_	-3	-2	-14	-7	-17	-9	55	24
Project Total	214	88	0	0	-10	-4	-42	-18	-52	-22	162	66
Total	1,517	731	-53	-20	-60	-24	-252	-115	-365	-159	1,152	572
Difference between Redirected Existing Trips & Total Project Trips on Ramp after Redirection								rection	-151	-71		

The 16th Avenue redirection project was completed by Latah Glenn and Greens @ Meadowlane developments the 16th Avenue project redirected 53 AM Peak hour Trips and 20 PM Peak hour Trips. Thus providing credit to be applied to these development projects. The Highlighted project value is changed with the change of use described in this memo.

The Greens at Meadowlane received credit for 5 AM Trips and 3 PM Trips. The Greens at Meadowlane 2 also received credit for 5 AM Trips and 3 PM Trips. As the Greens at Meadowlane 2 proceeded after the final Latah Glen TIA it was not included in the Table.

The Latah Glen Project is proposing a change of conditions to change the 157 mobile home park units into 142 single family dwelling units.

Existing Land use per Table 8 of the approved study

Table 8 - Trip Generation Rates for LUC # 240 - Mobile Home Park

Dwelling AM Peak Hour Trips			PM Peak Hour Trips					
Dwelling Units	Vol. @ 0.26	Directional Distribution		26 Directional Distribution		Vol. @ 0.46	Directional	Distribution
Units	trips/units	31% In	69% Out	trips / Units	62% In	38% Out		
157	41	13	28	73	45	28		
A	Average Daily Trip Ends (ADT)							
Units	R	ate	ADT					
157	5.	00	785					

Proposed Land Uses

For the 142 units of single-family, Land Use Code (LUC) 210 Single Family detached housing will be used to establish the number of potential trips generated by the proposed land use. Per the ITE Trip Generation handbook there are two means to calculate trip generation: Average Rate and Fitted Curve. Both methods are shown in the table with the most conservative selected. The anticipated trip generated per this method is shown in Table 1.

Table 1- Trip Generation Rates for LUC #210 Single-Family Detached Housing

	A Peak Hour			PM Peak Hour					
Dwelling Units	Vol. per Average	Directional Distribution				· · · · · · · ·			ectional ribution
	Rate	25% In			ite	63% In	37% Out		
142	99	25 74		133		84	49		
Average Daily Trip Ends (ADT)		Average Rate	reet):	Fitted Curve Equations (Adj. Street):					
	Vol. per	PM: $T = 0.70$		AM: $Ln(T) = 0.91 Ln(x) + 0.12 = 102$ PM: $Ln(T) = 0.94 Ln(x) + 0.27 = 138$					
Dwelling Units	Average	ADT: $T = 9.4$ T = Trips/unit	its	ADT: $Ln(T) = 0.92 Ln(x) + 2.68 = 139$ T = Trips/units, x = Dwelling Units					
	Rate	ps/uni	110	* * *	iporumio, A Di	oning oning			
142	1,339								

Table 2- Net New Trip Generation Summary

	AM]	AM Peak Hour		PM Peak Hour		
Land Use Code	Vol. per	Directional Distribution		Vol. per	Directional Distribution	
	LUC	In	Out	LUC	In	Out
LUC #210 Single-Family Detached Housing (Table 1)	99	25	74	133	84	49
LUC #240 Mobile Home (Table 8)	<41>	<13>	<28>	<73>	<45>	<28>
Difference	58	12	46	60	39	21
Average Daily Trip Ends (ADT)		<> inc	dicates s	ubtraction		
Land Use Code	Vol. per LUC					
LUC #210 Single-Family Detached Housing (Table 1)	1,339					
LUC #240 Mobile Home (Table 8)	<785>					
Difference	554					

As shown in Table 2, the proposed change in land use is anticipated to generate 58 additional trips in the AM peak hour with 12 additional trips entering the site and 46 additional trips exiting the site. In the PM peak hour, the proposed change in land use is anticipated to generate 60 additional trips, with 39 additional trips entering the site and 21 additional trips exiting the site. The proposed change in land use is anticipated to generate a total of 554 additional average daily trip ends to/from the site.

Trip Distribution

Per the Approved TIA Trip distribution is anticipated to remain the same

At the SR195 to I-90 EB Ramp 25% of outbound project trips are anticipated to utilize the route. Per Table 1 that equates to 19 (74*0.25) AM trips and 12 (49*0.25) PM trips.

When taking the 16th redirection trips and applying trips from Meadow Lane (Phase 1 & 2), and Latah Glen, there would still be a remaining credit of 24 AM trips and a remaining deficit of 2 PM Trips per Table 3.

Table 3 – Remaining Credit

	AM	PM
16 th Redirect (Table 13)	-53	-20
Greens at Meadow Lane	5	3
Greens at Meadow Lane 2	5	3
Latah Glen (Table 1)	19	12
Remaining Credit	24	2