

**Table 1: Trip Generation Summary**

Land Use (ITE Code)	Intensity	Daily Traffic (vpd)	AM Peak Hour Trips (vph)		PM Peak Hour Trips (vph)	
			Enter	Exit	Enter	Exit
Single-Family Detached Housing (210)	62 units	670	12	37	40	24
Multifamily Housing (Low-Rise) (220)	262 units	1,940	27	92	88	51
<b>Total Trips</b>		<b>2,610</b>	<b>39</b>	<b>129</b>	<b>128</b>	<b>75</b>

It is estimated that the proposed development will now generate approximately 2,610 total site trips on the roadway network during a typical 24-hour weekday period. Of the daily traffic volume, it is anticipated that 168 trips (39 entering and 129 exiting) will occur in the AM peak hour and 203 trips (128 entering and 75 exiting) during the PM peak hour.

<b>Porters Neck Road at Edgewater Club Road/Shiraz Way (roundabout)</b>		
<b>Scenario</b>	<b>Overall LOS</b>	<b>Delay in Seconds</b>
<b>AM PEAK</b>		
2019 Existing	A	8
2023 Future	A	9
2023 Future with Project	A	10
<b>PM PEAK</b>		
2019 Existing	A	7
2023 Future	A	8
2023 Future with Project	A	9

<b>Market Street and Porters Neck Road</b>		
<b>Scenario</b>	<b>Overall LOS</b>	<b>Delay in Seconds</b>
<b>AM PEAK</b>		
2019 Existing	D	41
2023 Future	D	43
2023 Future with Project	D	44
<b>PM PEAK</b>		
2019 Existing	D	44
2023 Future	D	47
2023 Future with Project	D	48

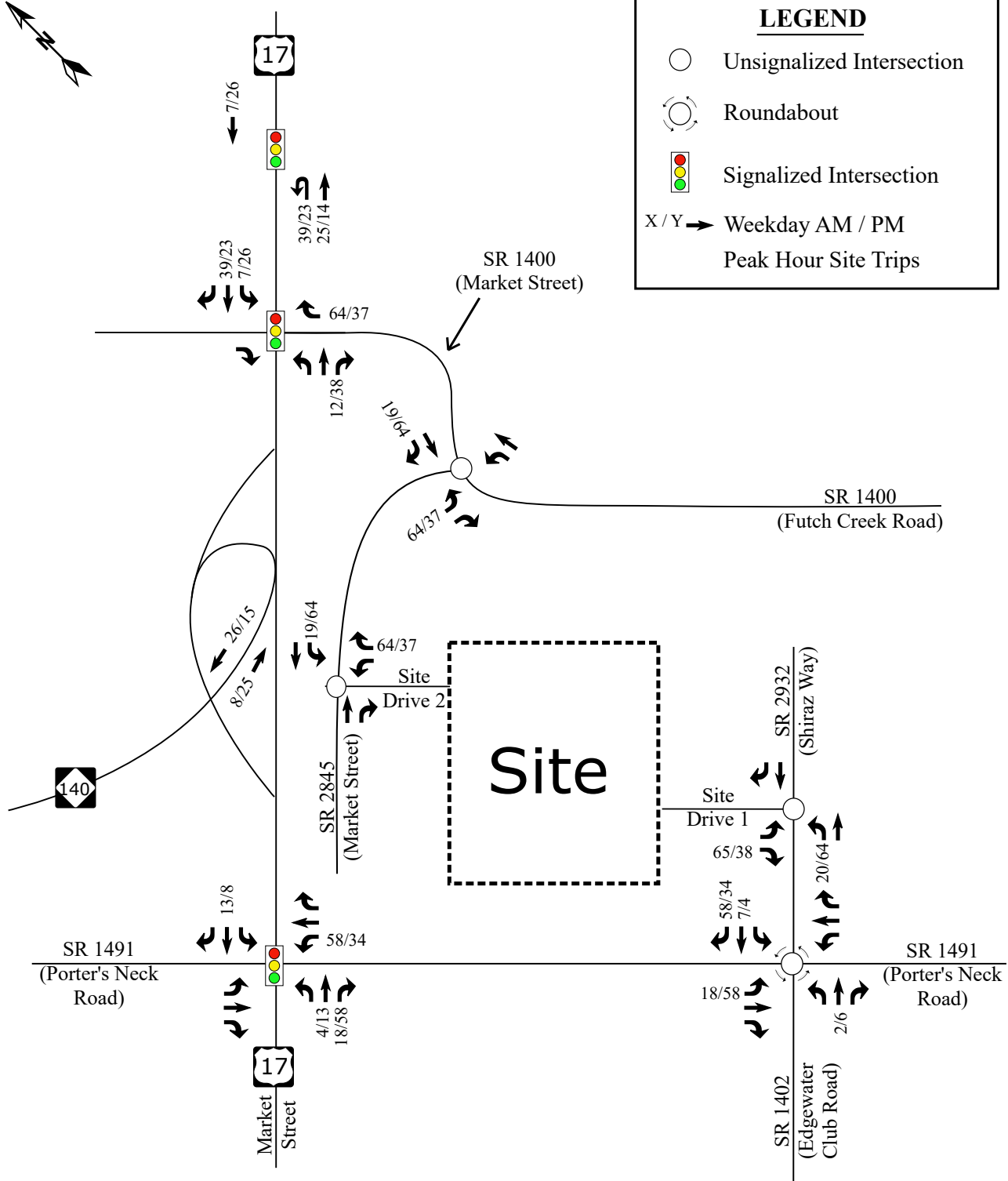
<b>US 17 at Market Street/Futch Creek Road</b>		
<b>Scenario</b>	<b>Overall LOS</b>	<b>Delay in Seconds</b>
<b>AM PEAK</b>		
2019 Existing	B	18
2023 Future	B	20
2023 Future with Project	C	24
<b>PM PEAK</b>		
2019 Existing	C	33
2023 Future	C	31
2023 Future with Project	D	37

<b>US 17 at U-Turn (North of Futch Creek Road)</b>		
<b>Scenario</b>	<b>Overall LOS</b>	<b>Delay in Seconds</b>
<b>AM PEAK</b>		
2019 Existing	C	22
2023 Future	C	26
2023 Future with Project	C	31
<b>PM PEAK</b>		
2019 Existing	A	9
2023 Future	B	10
2023 Future with Project	B	13



**LEGEND**

- Unsignalized Intersection
- ⊙ Roundabout
- 🚦 Signalized Intersection
- X/Y → Weekday AM / PM Peak Hour Site Trips






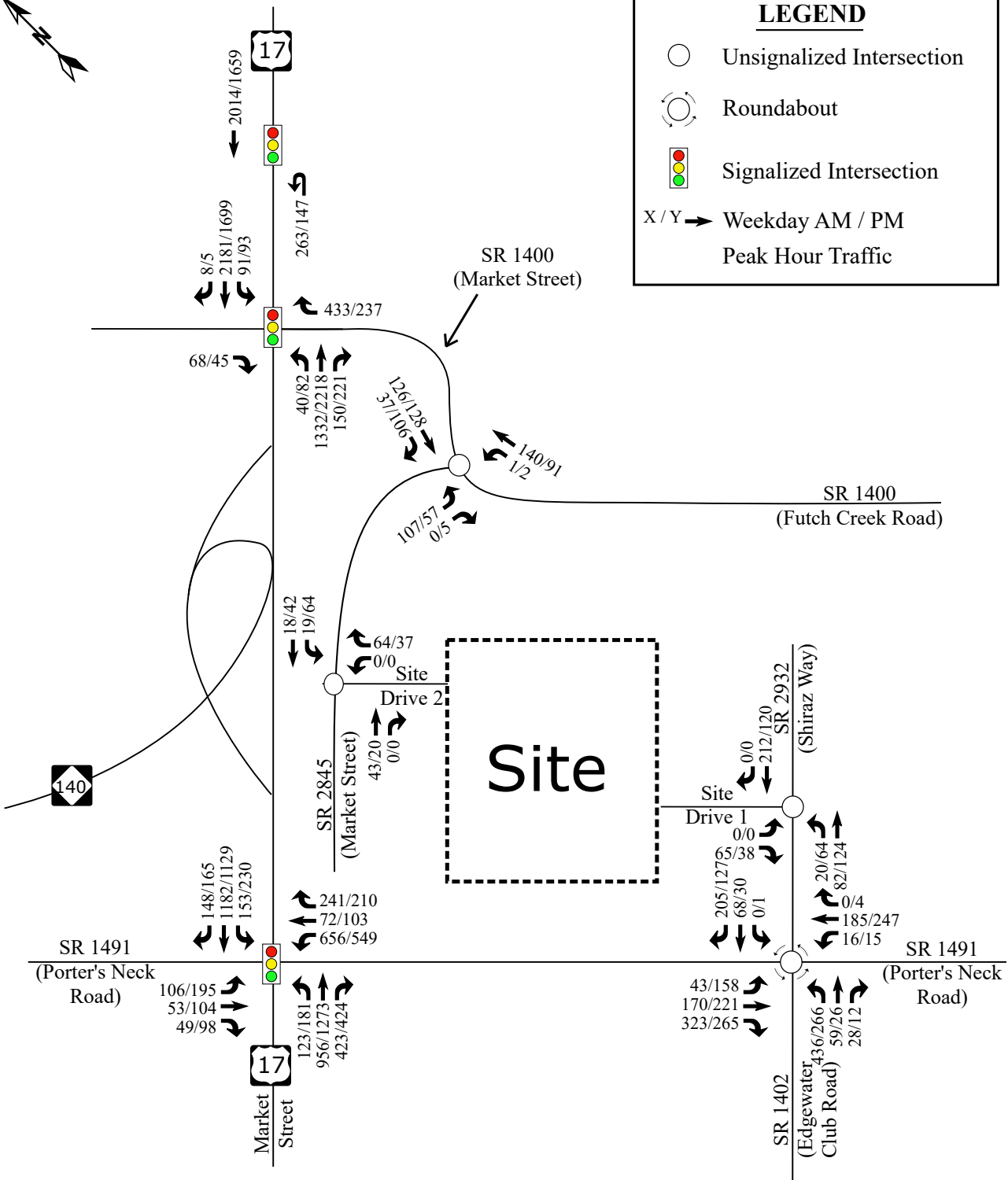
Porter's Neck  
New Hanover County, NC

Total Site Trip Assignment	
Scale: Not to Scale	



**LEGEND**

-  Unsignalized Intersection
-  Roundabout
-  Signalized Intersection
- X / Y → Weekday AM / PM Peak Hour Traffic



Porter's Neck  
New Hanover County, NC

Combined (2023)  
Peak Hour Traffic

Scale: Not to Scale