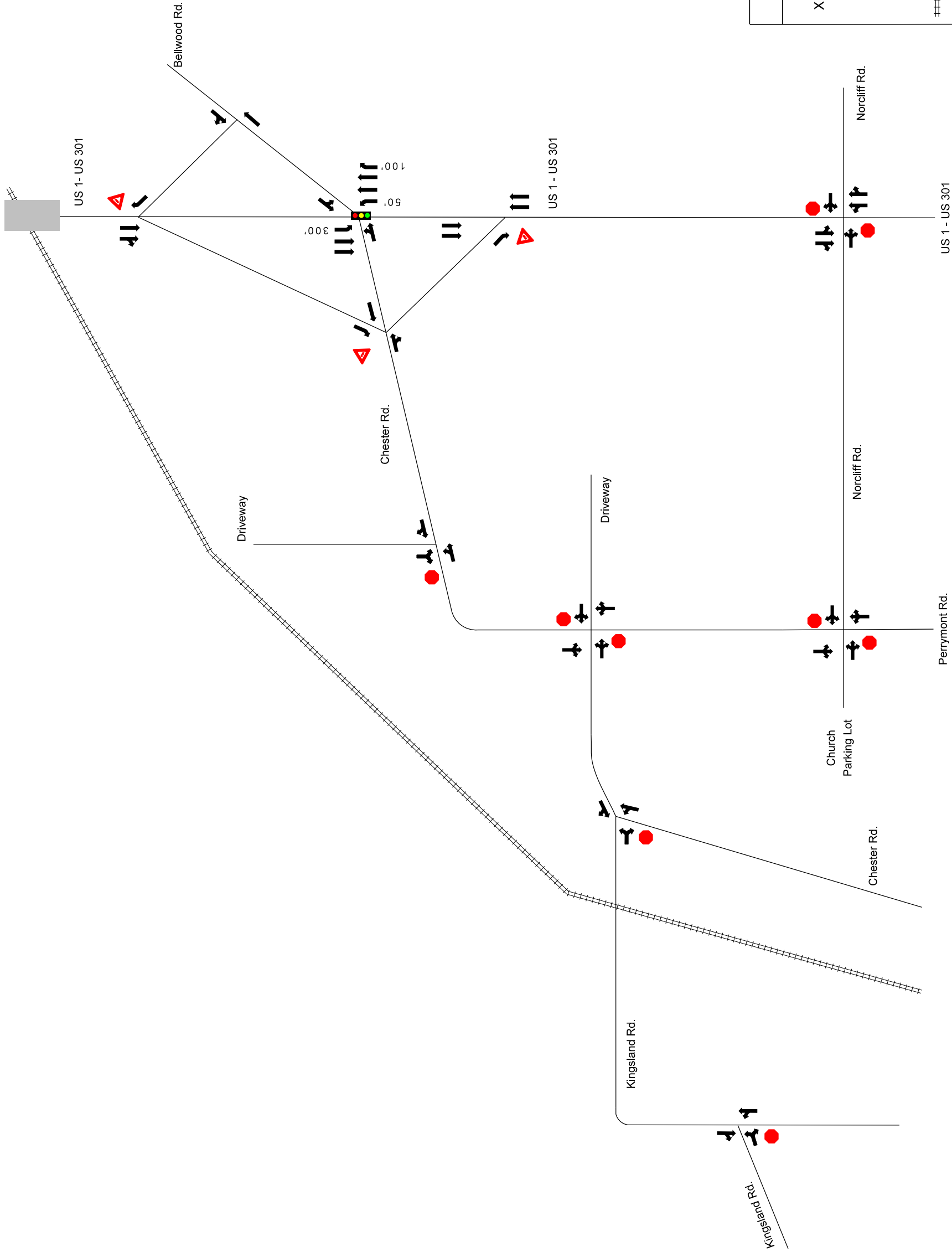


Appendix P

Traffic Laneage Volumes



LEGEND	
	# OF LANES
	STORAGE DISTANCES
	EXISTING SIGNAL
	STOP SIGN
	YIELD
	EXISTING RAIL LOCATION

PREPARED BY:



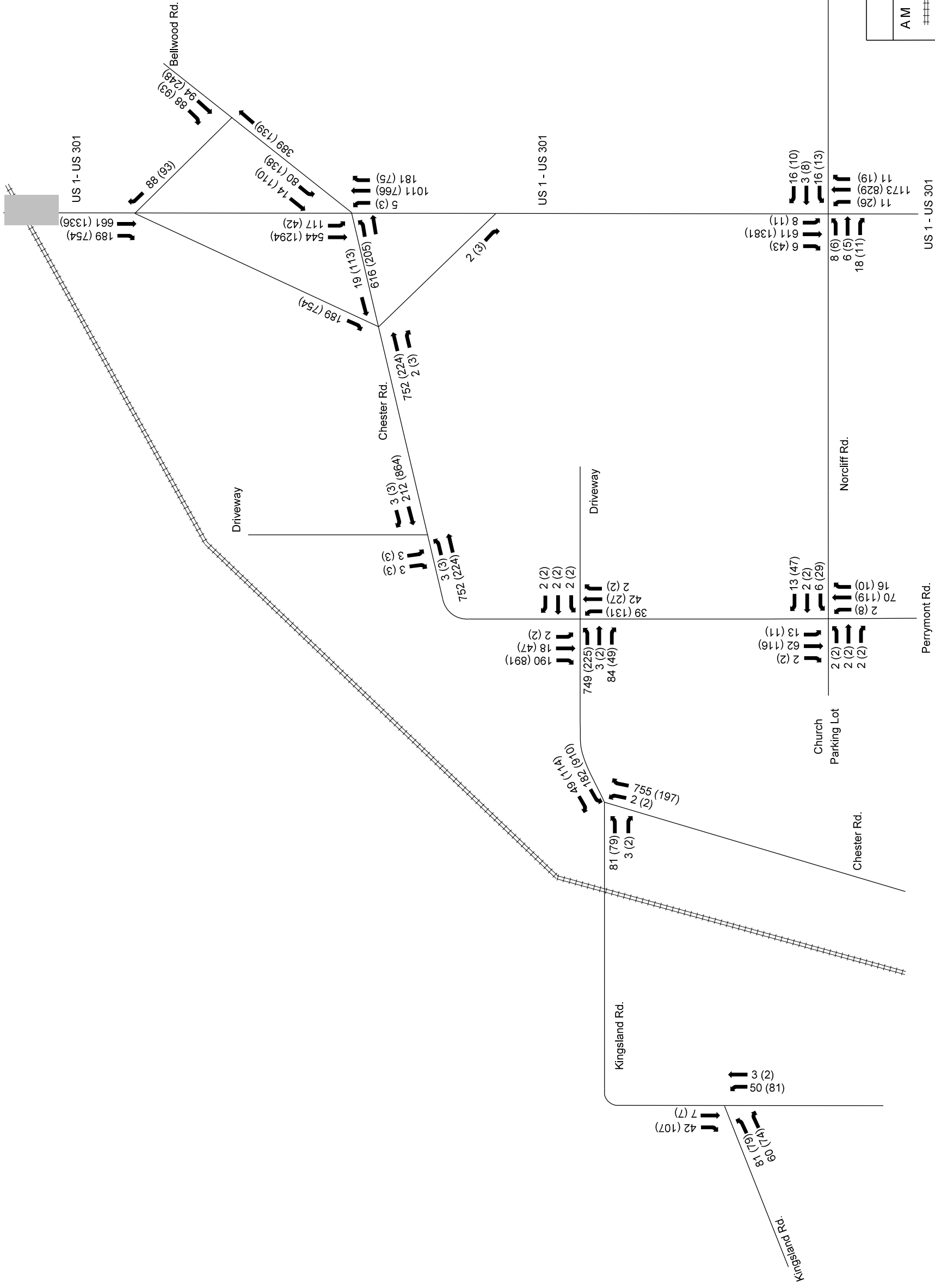
**Hatch Mott
MacDonald**

**SEHSR
Chester, VA
Existing Laneage**

DATE: MARCH 2013

SCALE: NOT TO SCALE

FIGURE 1



LEGEND

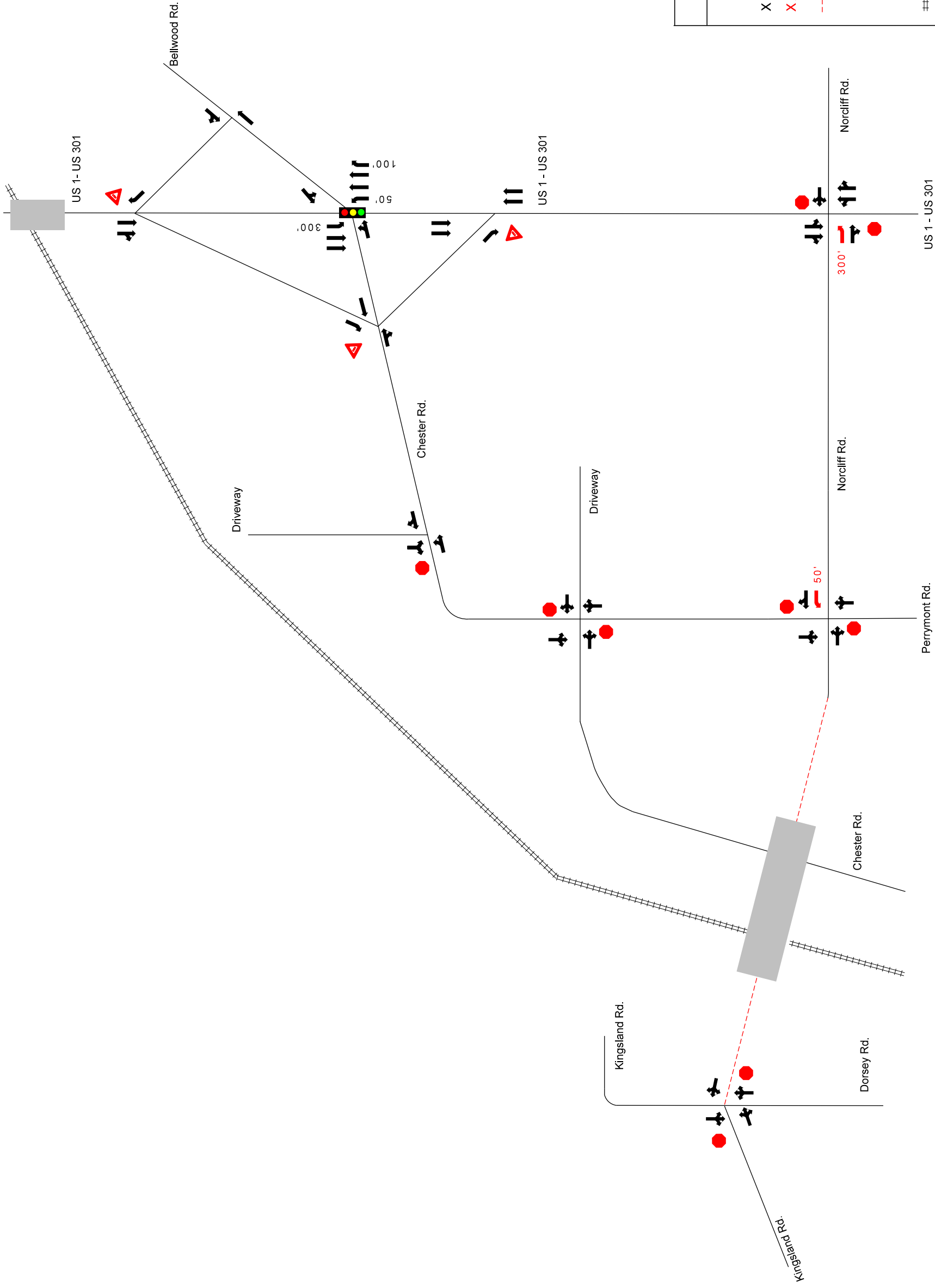
AM (PM)	PEAK HOUR VOLUMES
#####	EXISTING RAIL LOCATION



**SEHSR
Chester, VA
2030 No Build Volumes**

DATE: MARCH 2013
SCALE: NOT TO SCALE

FIGURE 2



LEGEND	
	# OF LANES
	PROPOSED LANES
	STORAGE DISTANCES
	PROPOSED STORAGE DISTANCES
	PROPOSED ROADWAY
	EXISTING SIGNAL
	STOP SIGN
	YIELD
	PROPOSED SEHSR LOCATION

PREPARED BY:



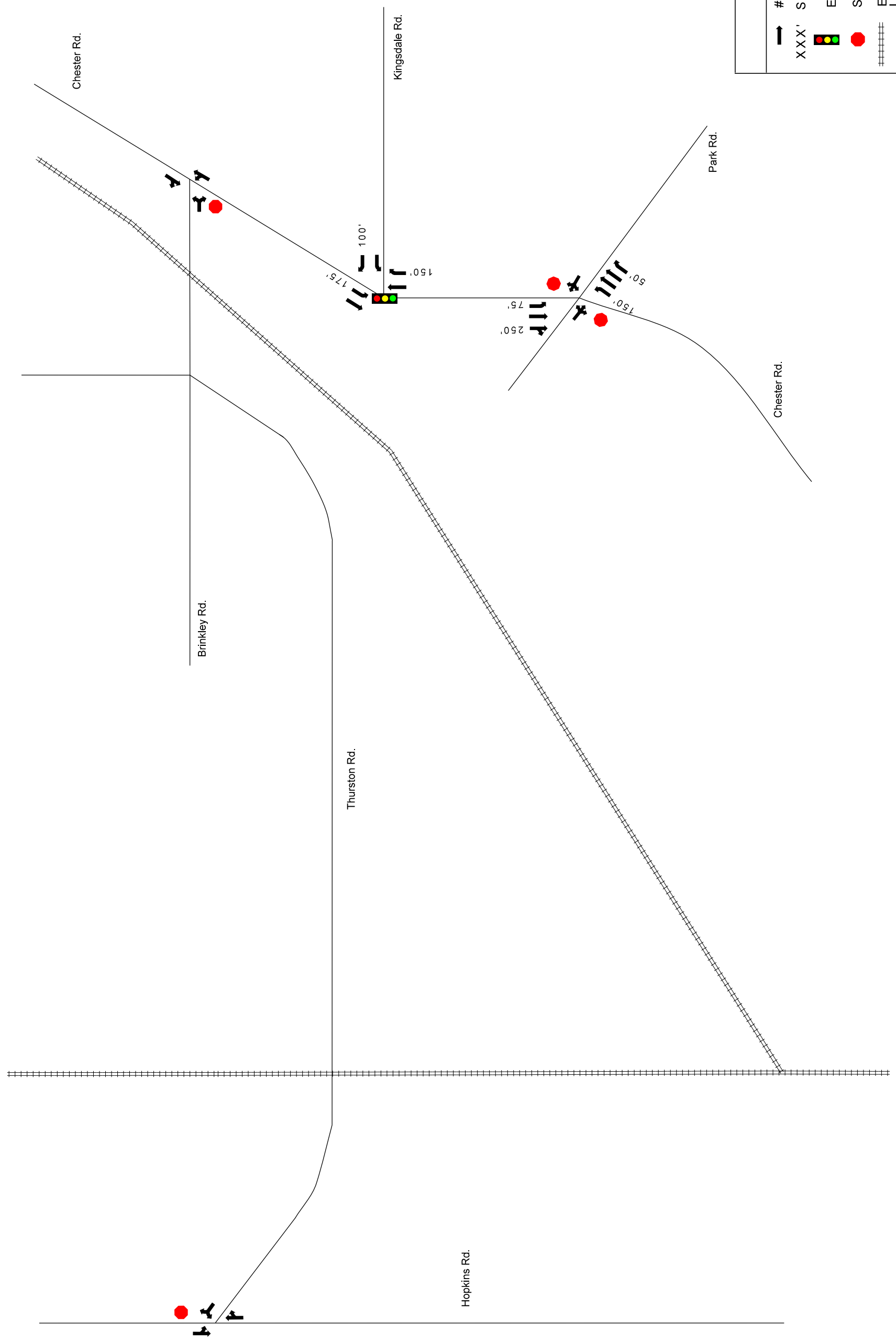
**Hatch Mott
MacDonald**

**SEHSR
Chester, VA
2030 Build Laneage**

DATE: MARCH 2013

SCALE: NOT TO SCALE

FIGURE 3



LEGEND	
→	# OF LANES
XXX'	STORAGE DISTANCES
	EXISTING SIGNAL
	STOP SIGN
-----	EXISTING RAIL LOCATION

PREPARED BY:



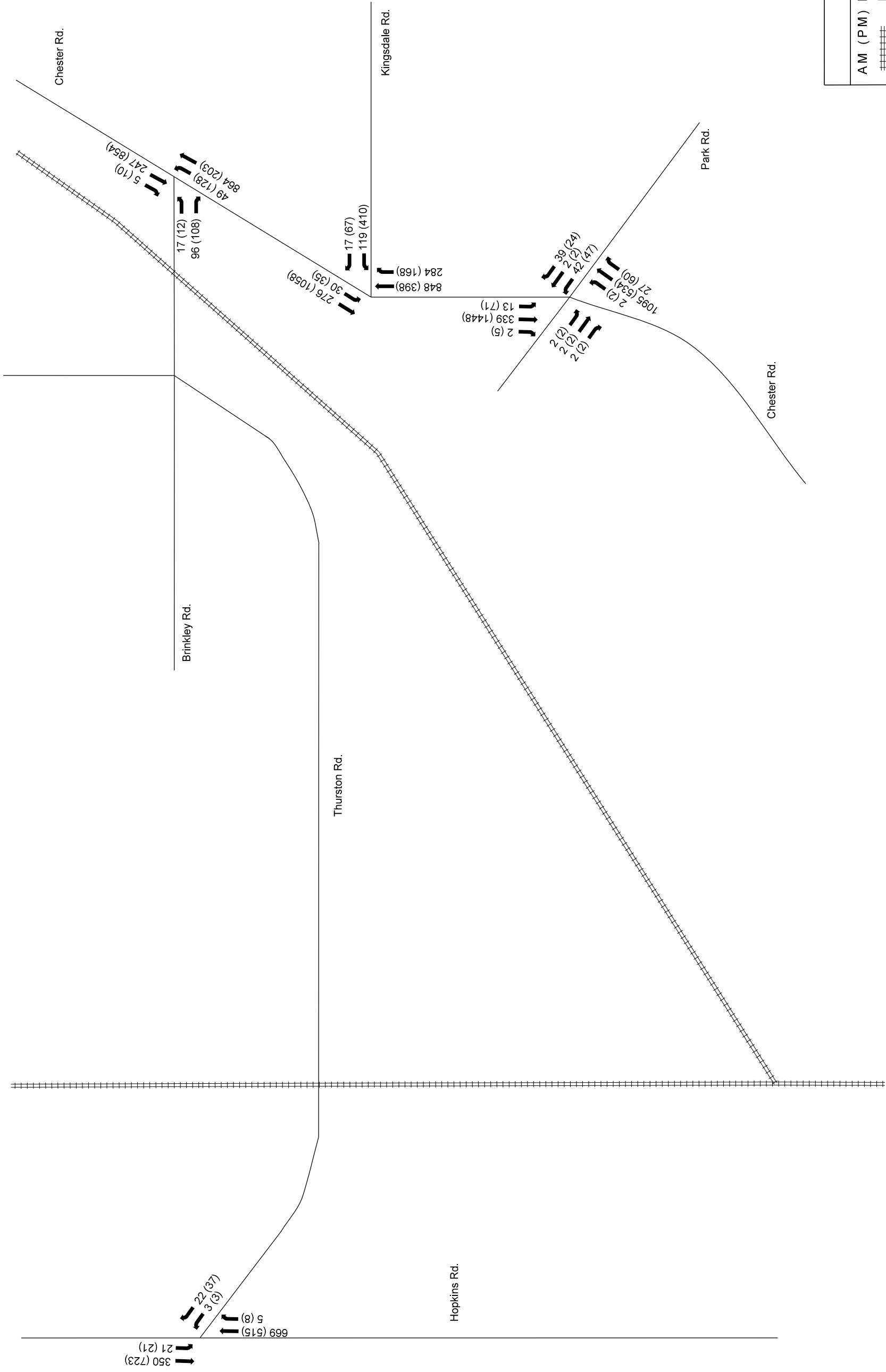
**Hatch Mott
MacDonald**

SEHSR
Chester, VA
Existing Laneage

DATE: MARCH 2013

SCALE: NOT TO SCALE

FIGURE 5



LEGEND

AM (PM)	PEAK HOUR VOLUMES
#####	EXISTING RAIL LOCATION

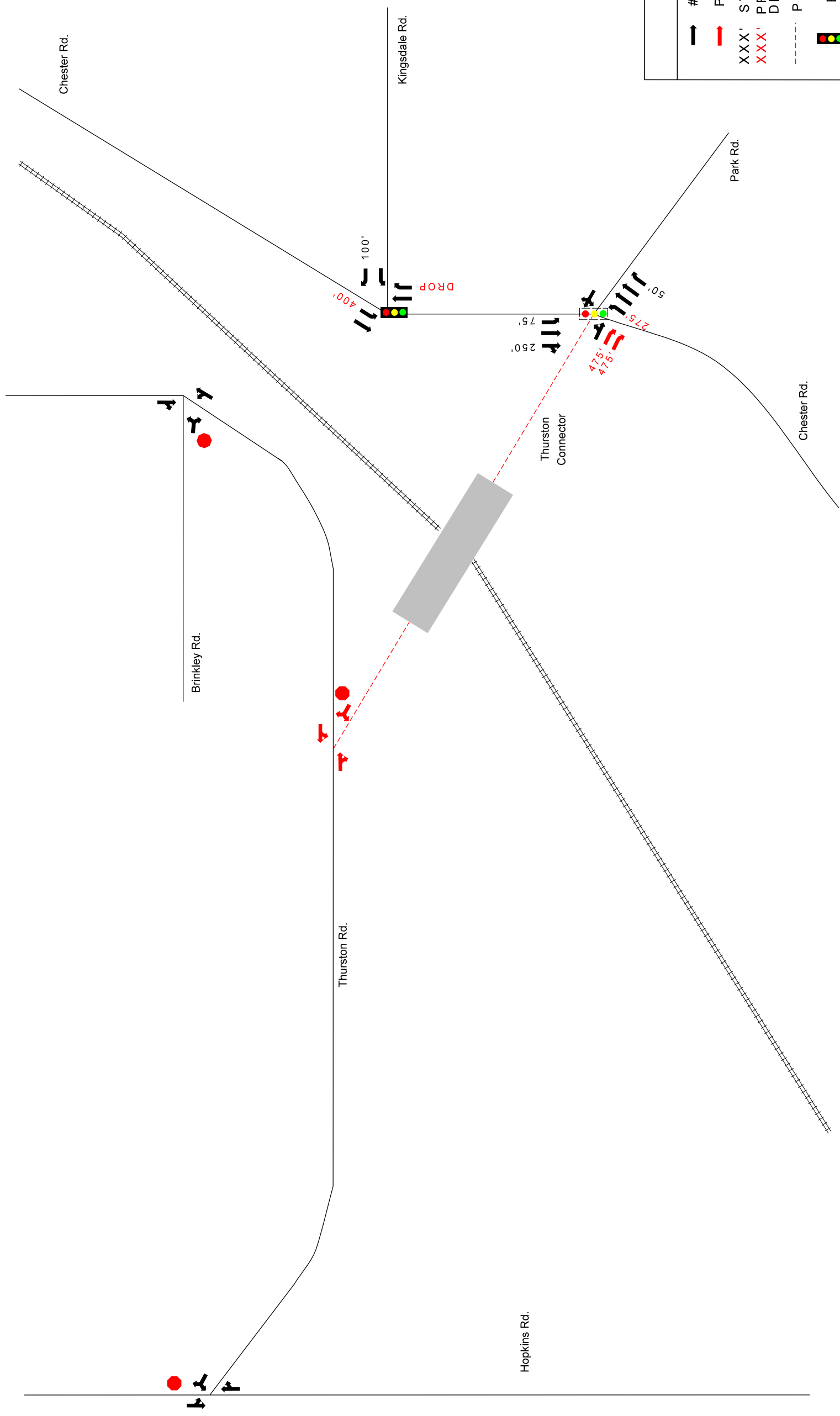
PREPARED BY:

Hatch Mott MacDonald

**SEHSR
Chester, VA
2030 No Build Volumes**

DATE: MARCH 2013
SCALE: NOT TO SCALE

FIGURE 6



LEGEND	
	# OF LANES
	PROPOSED LANES
	STORAGE DISTANCES
	PROPOSED STORAGE DISTANCES
	PROPOSED ROADWAY
	EXISTING SIGNAL
	POTENTIAL FUTURE SIGNAL
	STOP SIGN
	PROPOSED SEHSR LOCATION

PREPARED BY:

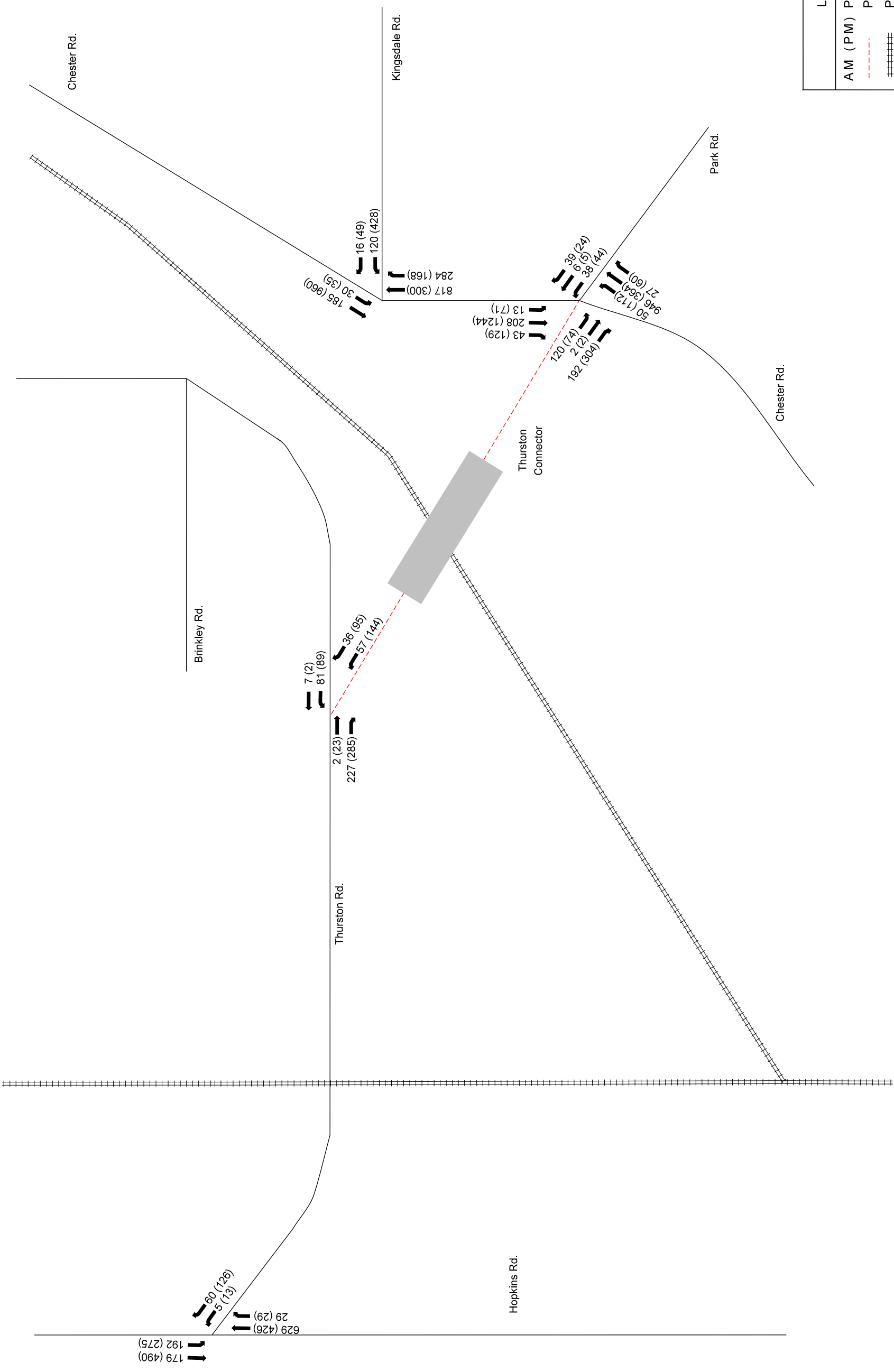
**Hatch Mott
MacDonald**

SEHSR
Chester, VA
2030 Build Laneage

DATE: MARCH 2013

SCALE: NOT TO SCALE

FIGURE 7



LEGEND

- AM (PM) PEAK HOUR VOLUMES
- PROPOSED ROADWAY
- PROPOSED SEHSR LOCATION

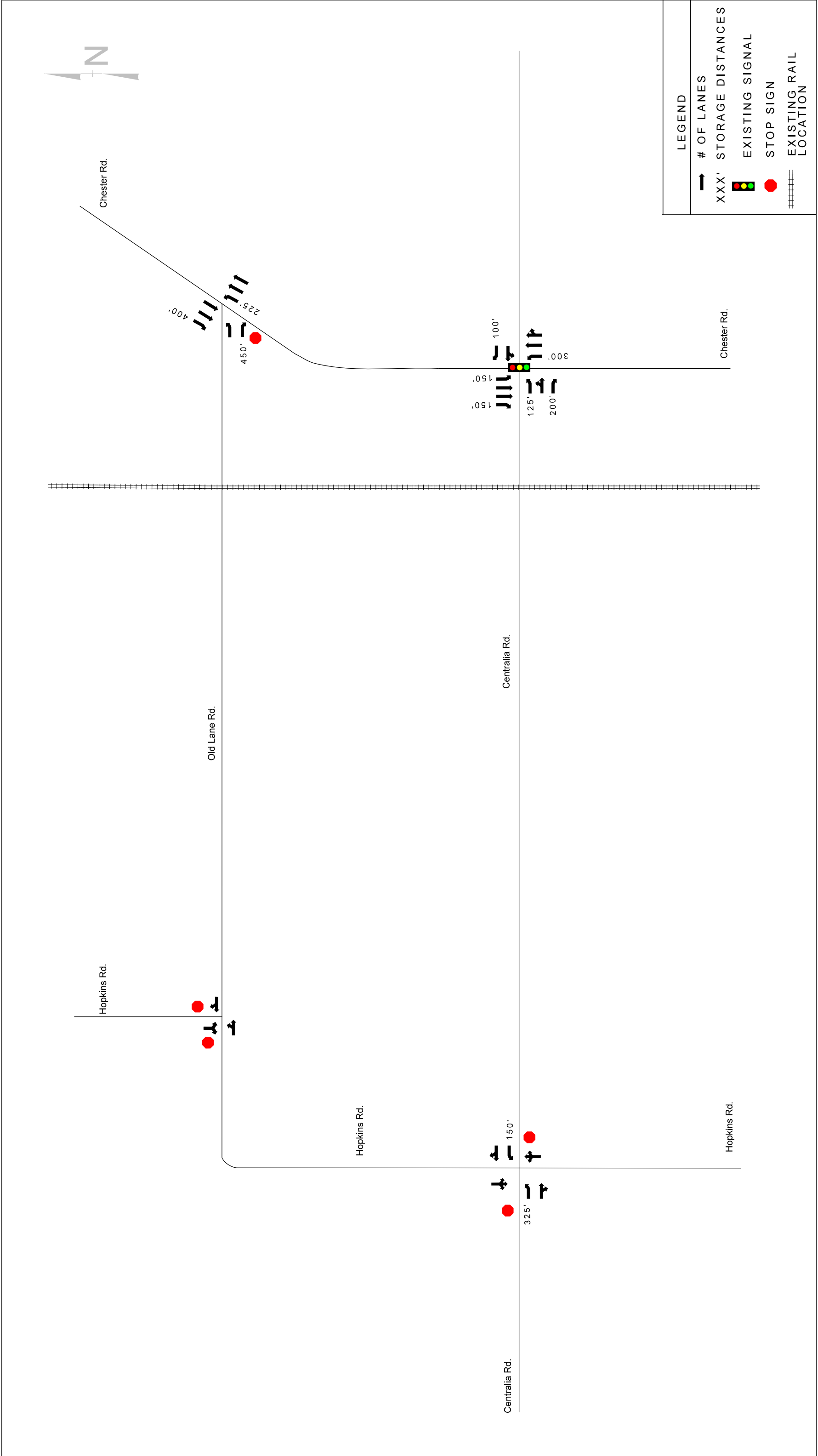
PREPARED BY:

**Hatch Mott
MacDonald**

**SEHSR
Chester, VA
2030 Build Volumes**

DATE: MARCH 2013
SCALE: NOT TO SCALE

FIGURE 8

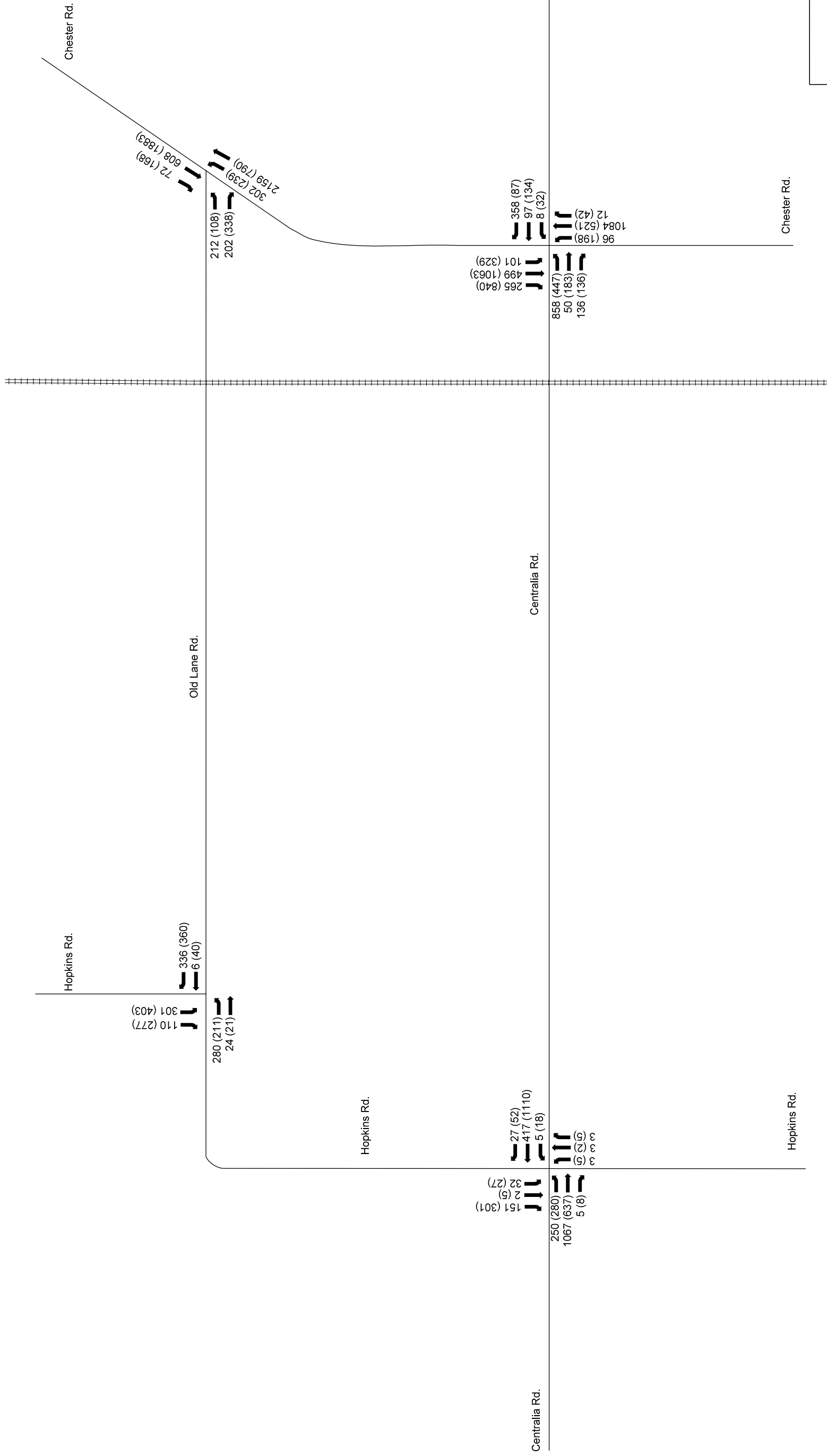


SEHSR
Chester, VA
Existing Laneage

DATE: MARCH 2013

SCALE: NOT TO SCALE

FIGURE 9



LEGEND
 AM (PM) PEAK HOUR VOLUMES
 ##### EXISTING RAIL
 LOCATION

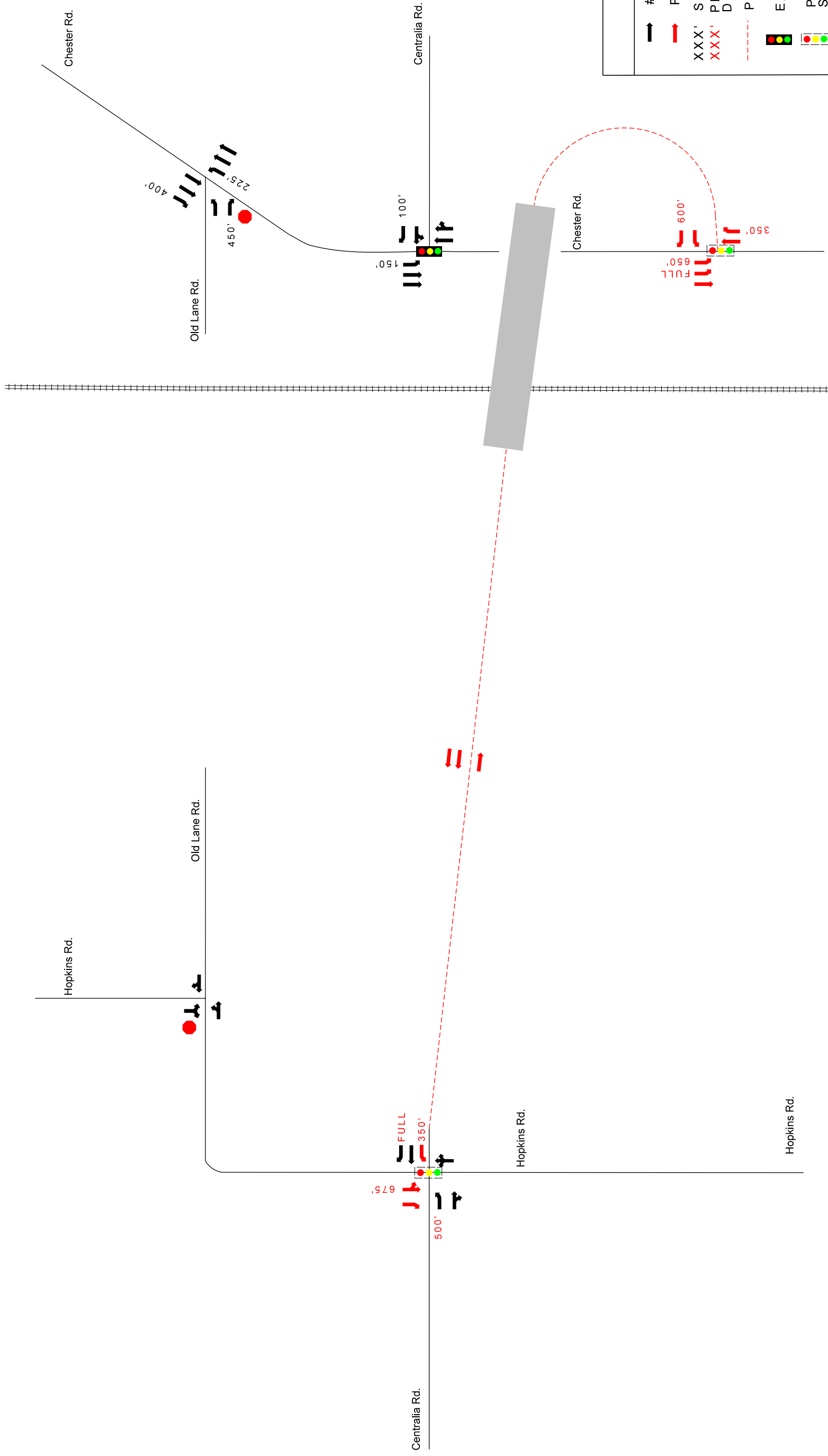


**SEHSR
 Chester, VA
 2030 No Build Volumes**

DATE: MARCH 2013

SCALE: NOT TO SCALE

FIGURE 10



LEGEND

- ➔ # OF LANES
- ➔ PROPOSED LANES
- XXX' STORAGE DISTANCES
- XXX' PROPOSED STORAGE DISTANCES
- - - PROPOSED ROADWAY
- 🚦 EXISTING SIGNAL
- 🚦 POTENTIAL FUTURE SIGNAL
- STOP SIGN PROPOSED SEHSR LOCATION
- #####

DATE: MARCH 2013

SCALE: NOT TO SCALE

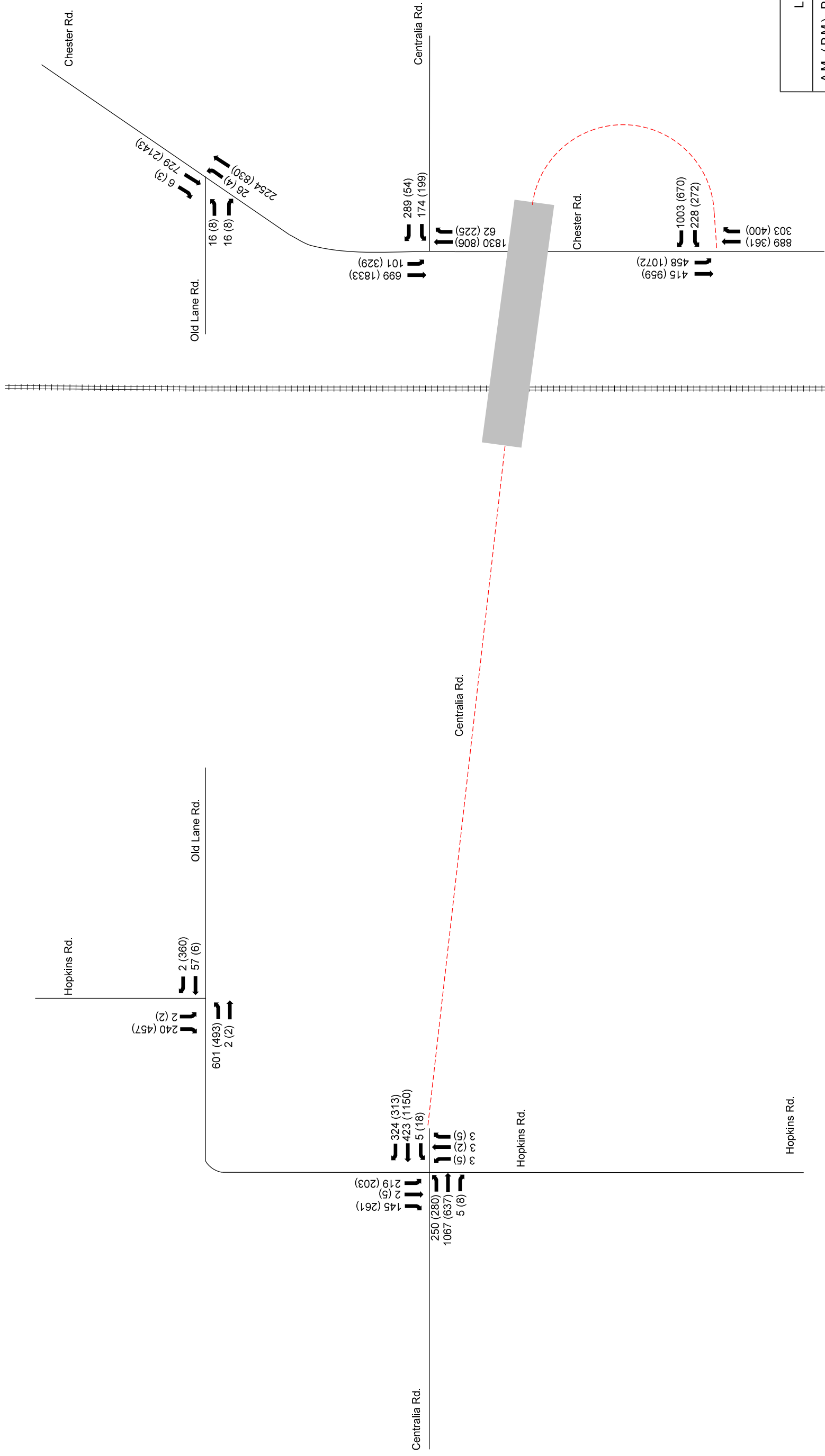
SEHSR
Chester, VA
2030 Build Laneage

PREPARED BY:



Hatch Mott
MacDonald

FIGURE 11



LEGEND

- AM (PM) PEAK HOUR VOLUMES
- PROPOSED ROADWAY
- PROPOSED SEHSR LOCATION

PREPARED BY:



**Hatch Mott
MacDonald**

**SEHSR
Chester, VA
2030 Build Volumes**

DATE: MARCH 2013

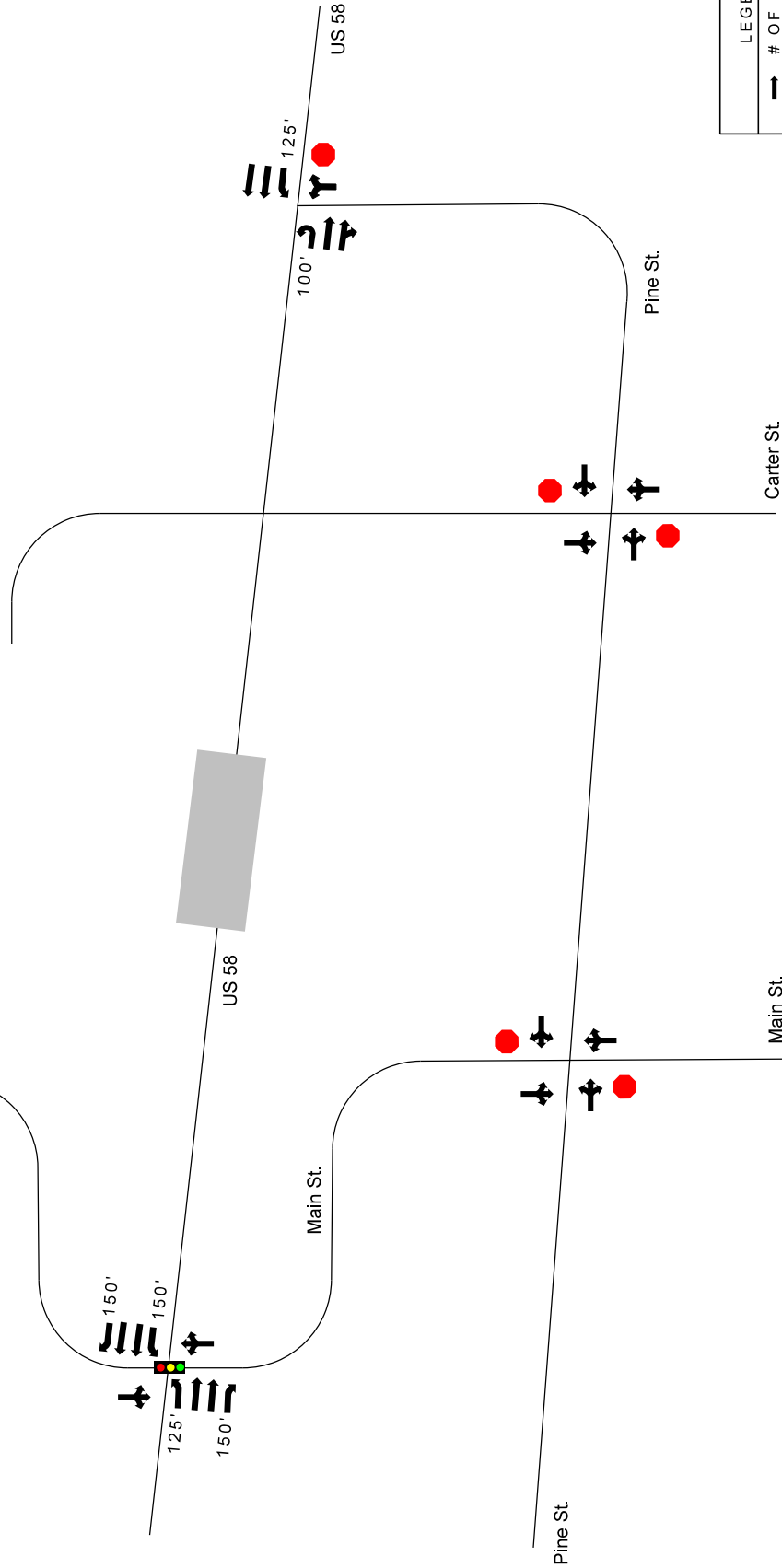
SCALE: NOT TO SCALE

FIGURE 12



Country Club Rd.

Carter St.



LEGEND

→ # OF LANES

XXX' STORAGE DISTANCES

EXISTING SIGNAL

STOP SIGN

DATE: MARCH 2013

SCALE: NOT TO SCALE

SEHSR
La Crosse, VA
Existing Laneage

FIGURE 13

PREPARED BY:



Hatch Mott
MacDonald



Country Club Rd.

Carter St.

8 (15)
 622 (791)
 17 (39)
 8 (5)
 30 (35)
 66 (30)
 17 (49)
 512 (776)
 91 (225)

US 58

Main St.

244 (161)
 24 (29)
 13 (27)
 18 (20)
 3 (5)
 20 (39)
 7 (39)
 60 (232)
 2 (3)

Pine St.

18 (35)
 3 (12)
 12 (8)
 15 (30)
 12 (54)
 2 (2)
 3 (2)
 2 (2)
 2 (3)

Main St.

Carter St.

Pine St.

701 (850)
 2 (5)
 17 (8)
 571 (689)
 2 (5)
 7 (7)
 2 (7)

US 58

LEGEND

AM (PM) PEAK HOUR VOLUMES

DATE: MARCH 2013

SCALE: NOT TO SCALE

FIGURE 14

SEHSR
 La Crosse, VA
 2030 No Build Volumes

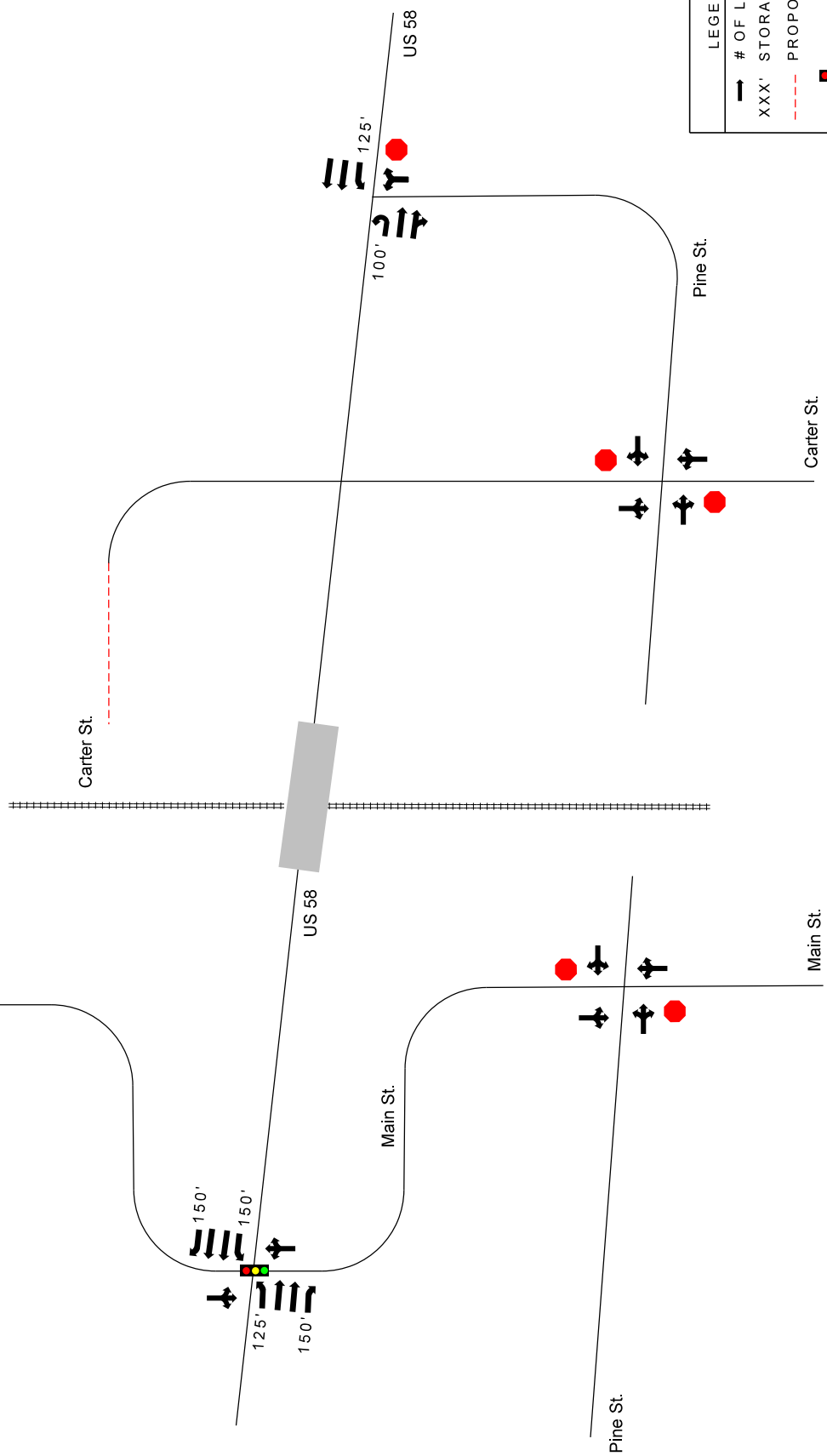
PREPARED BY:



Hatch Mott
MacDonald



Country Club Rd.



LEGEND	
→	# OF LANES
XXX'	STORAGE DISTANCES
---	PROPOSED ROADWAY
	EXISTING SIGNAL
	STOP SIGN
#####	PROPOSED SEHSR LOCATION

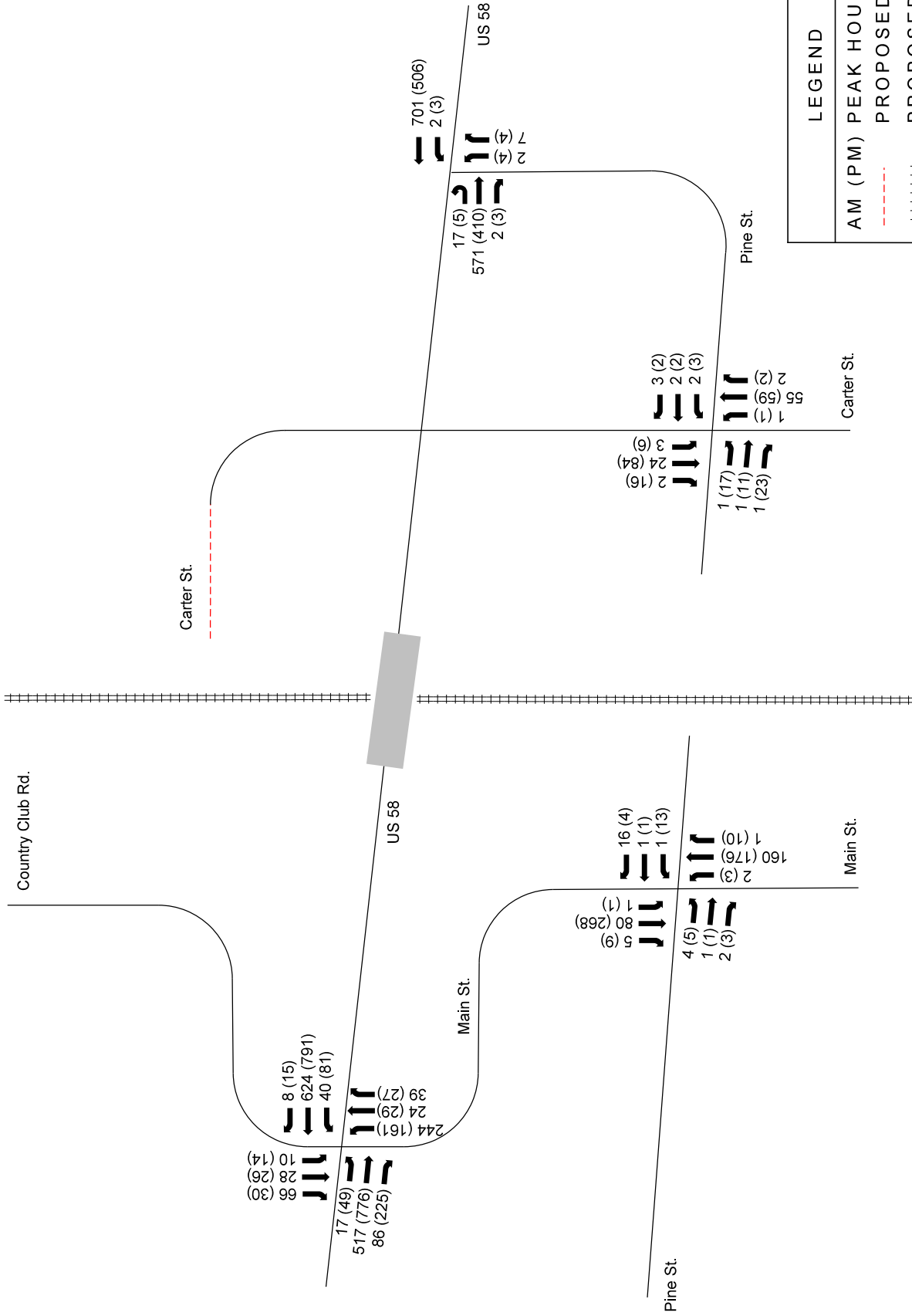


SEHSR
La Crosse, VA
Build Laneage

DATE: MARCH 2013

SCALE: NOT TO SCALE

FIGURE 15



SEHSR
La Crosse, VA
2030 Build Volumes

MARCH 2013
SCALE:
NOT TO SCALE

FIGURE 16

PREPARED BY: DATE:



US 1 - US 401

Norlina Pines Dr.

North St.

US 1 - US 401

US 1 - US 158

Weldon Rd.

Hycos St.

Warren Plains Rd.

Warren Plains-Norlina Rd.

US 158 - US 401

Yancey Rd.

Liberty St.

Warren Plains-Norlina Rd.

Main St.

Rose St.

Division St.

LEGEND

➔ # OF LANES

● STOP SIGN

DATE: MARCH 2013

SCALE: NOT TO SCALE

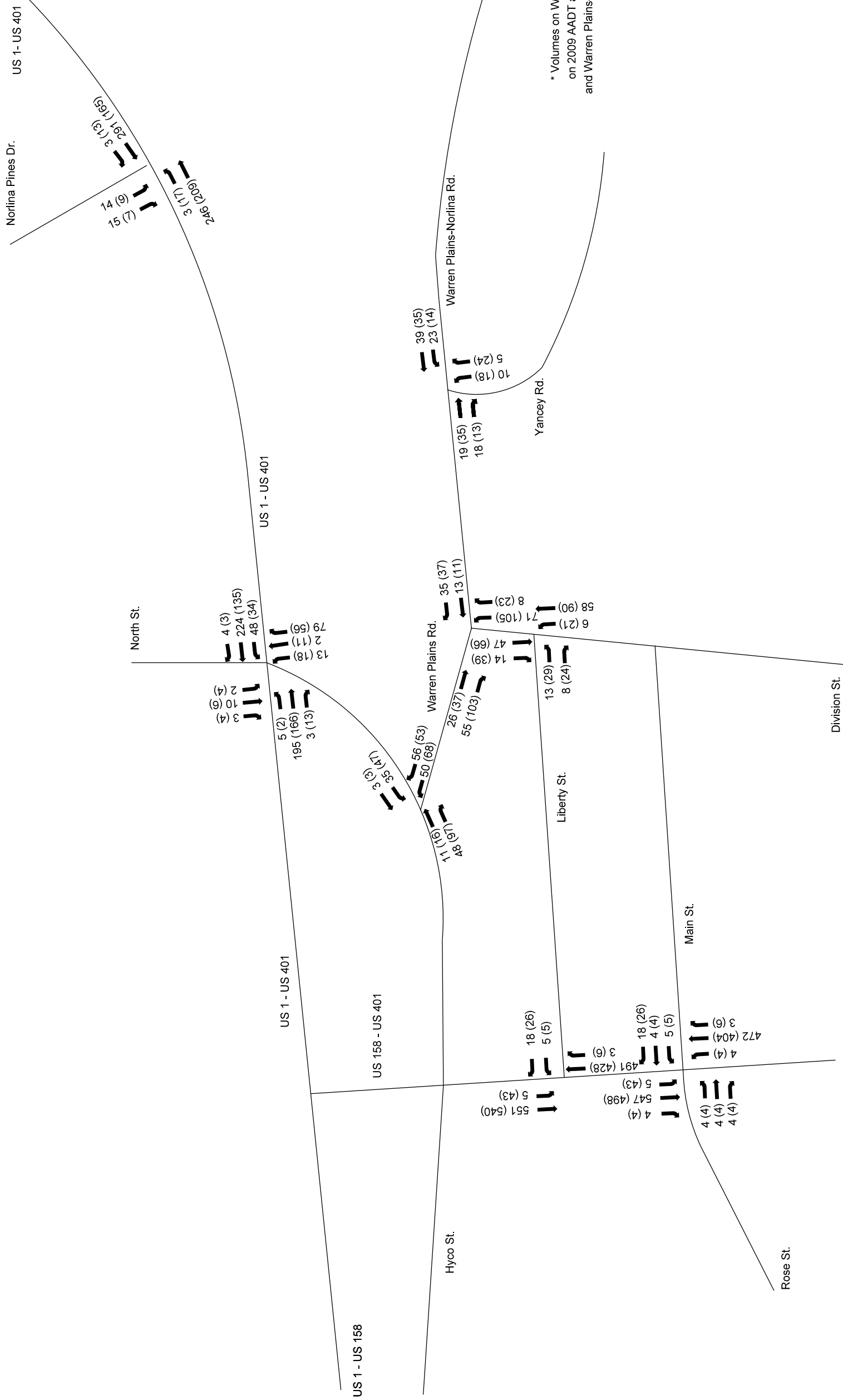
PREPARED BY:



Hatch Mott
MacDonald

SEHSR
Norlina, NC
Existing Laneage

FIGURE 17



* Volumes on Weldon Rd based on 2009 AADT and Yancey Rd. and Warren Plains-Norlina Rd. count.

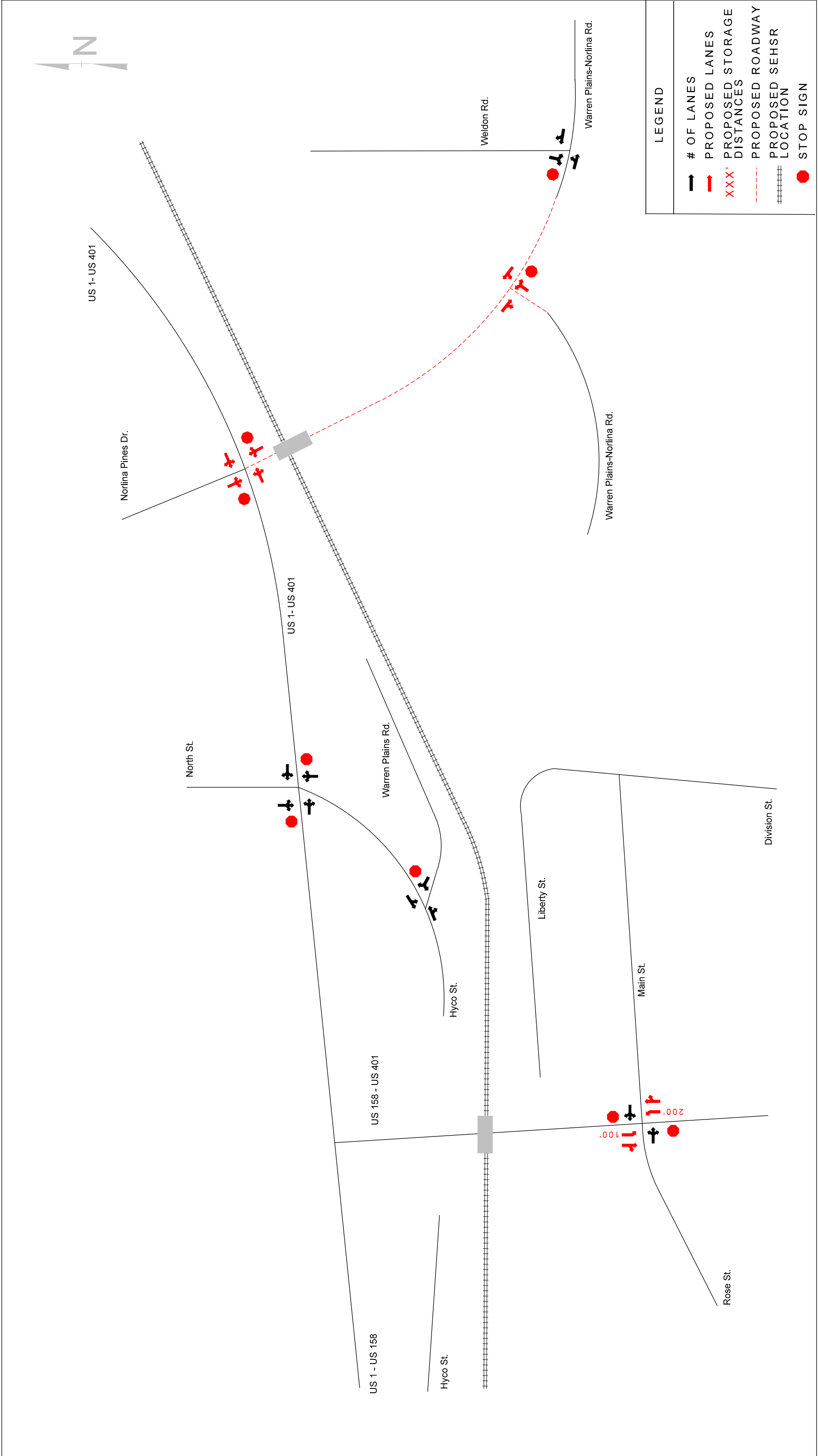
LEGEND
AM (PM) PEAK HOUR VOLUMES



SEHSR
Norlina, NC
2030 No Build Volumes

DATE: MARCH 2013
SCALE: NOT TO SCALE

FIGURE 18



LEGEND	
	# OF LANES
	PROPOSED LANES
	PROPOSED STORAGE DISTANCES
	PROPOSED ROADWAY
	PROPOSED SEHSR LOCATION
	STOP SIGN

SEHSR
Norlina, NC
2030 Build Laneage

DATE: MARCH 2013

SCALE: NOT TO SCALE

FIGURE 19



St. Tammany Rd.

Grant Ln.

Ridgeway-Drewry Rd.

Driveway

US 1 - 158

US 1 - 158

Ridgeway-Warrenton Rd.

Axtell Ridgeway Rd.

LEGEND

— # OF LANES

● STOP SIGN

EXISTING RAIL

PREPARED BY:



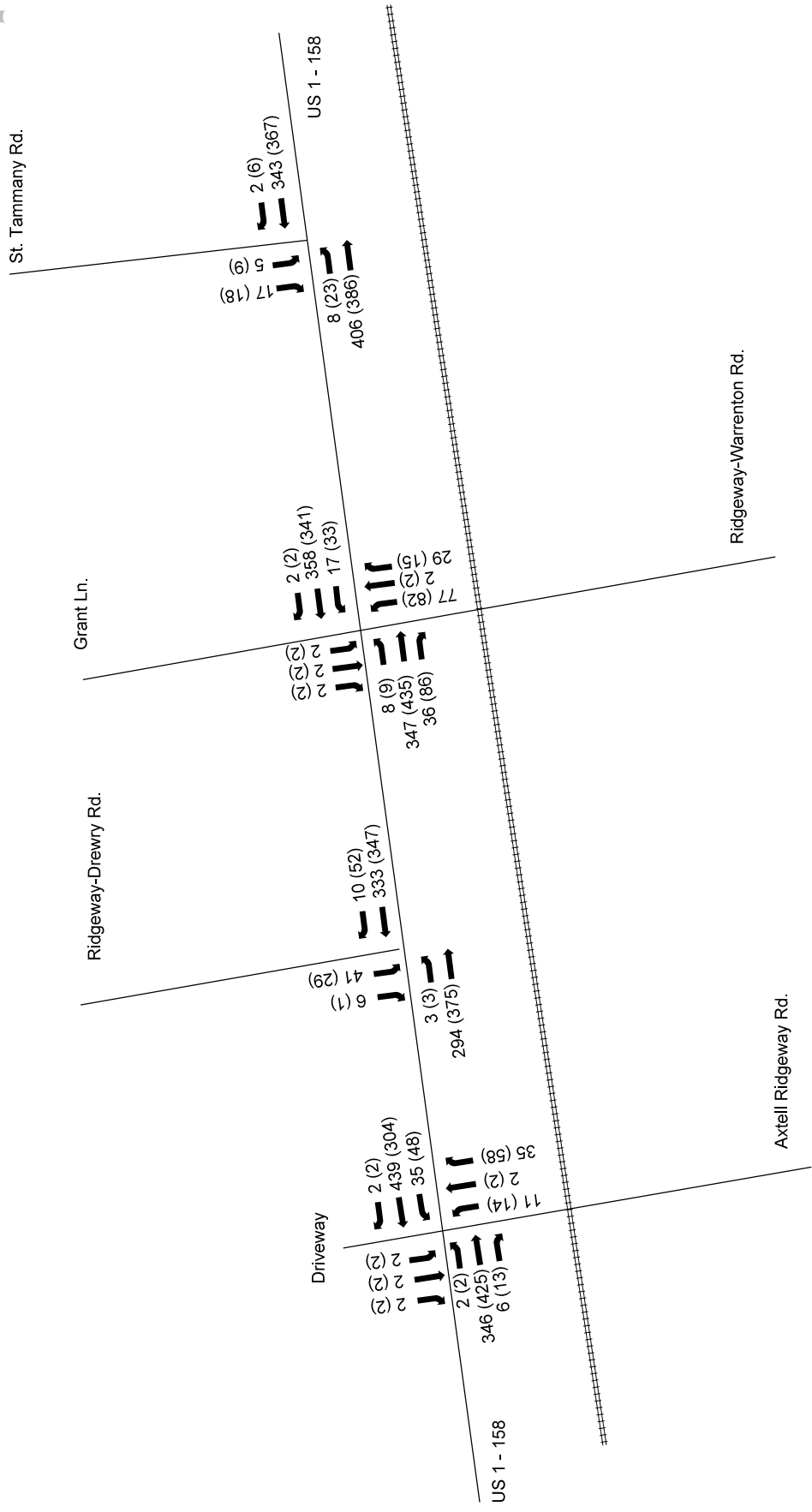
Hatch Mott
MacDonald

SEHSR
Norlina, NC
Existing Laneage

DATE: MARCH 2013

SCALE: NOT TO SCALE

FIGURE 21



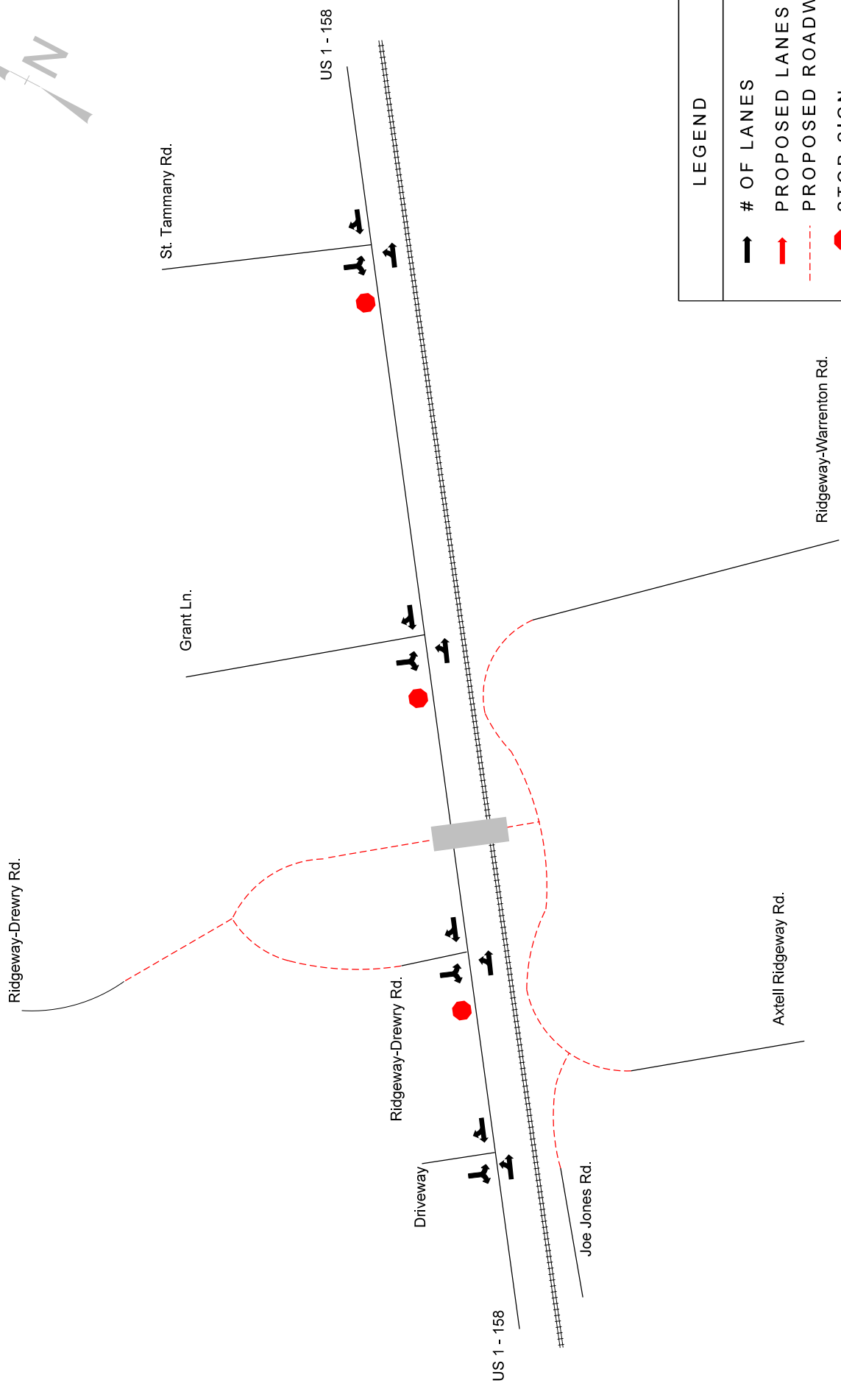
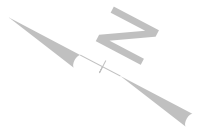
LEGEND	
AM (PM) PEAK HOUR VOLUMES	=====
EXISTING RAIL	#####



SEHSR
Norlina, NC
2030 No Build Volumes

DATE:	MARCH 2013
SCALE:	NOT TO SCALE

FIGURE 22



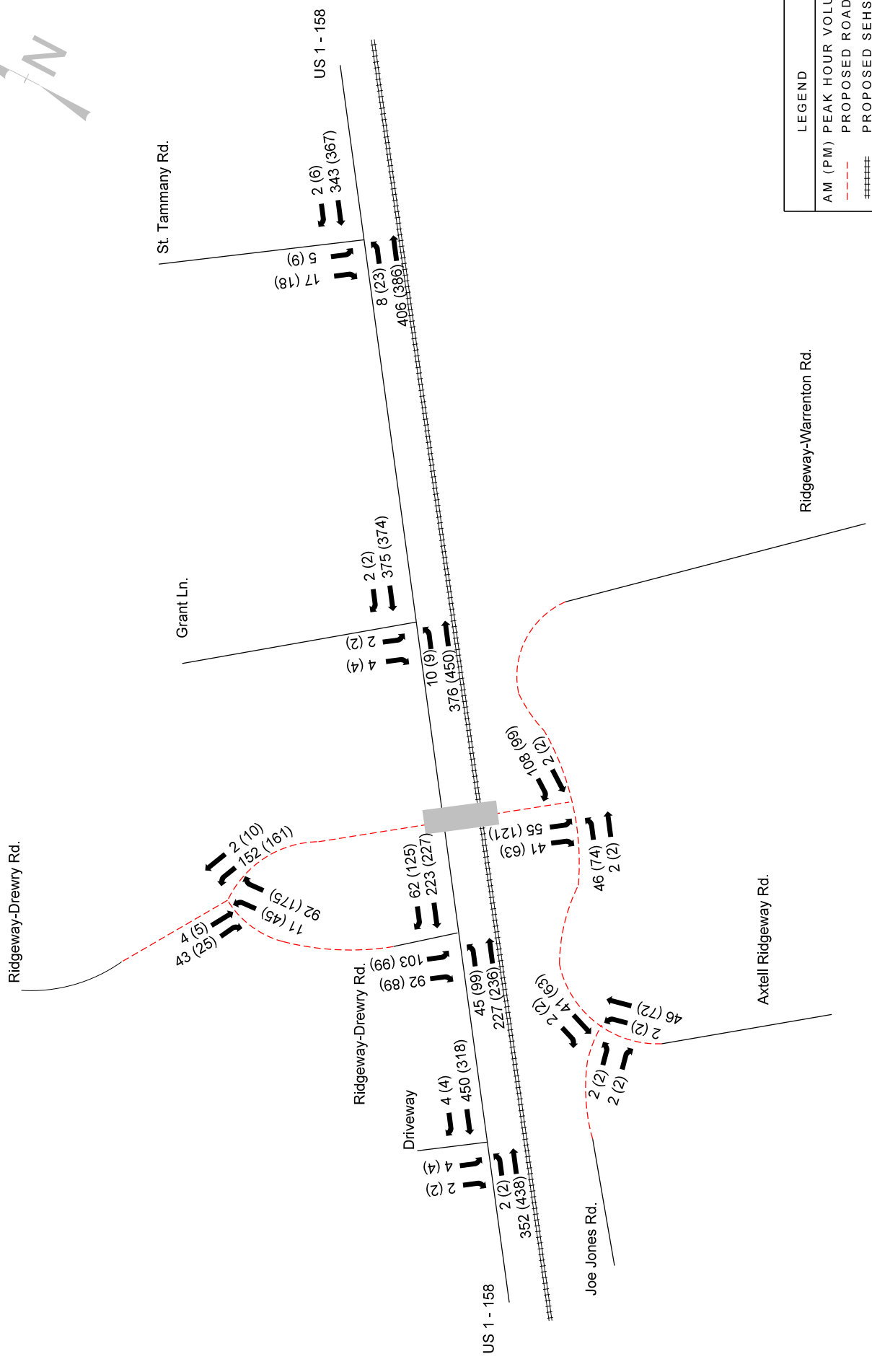
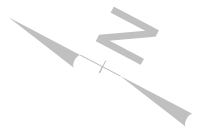
LEGEND	
	# OF LANES
	PROPOSED LANES
	PROPOSED ROADWAY
	STOP SIGN
	PROPOSED SEHSR LOCATION



SEHSR
Norlina, NC
2030 Build Laneage

DATE: MARCH 2013
SCALE: NOT TO SCALE

FIGURE 23



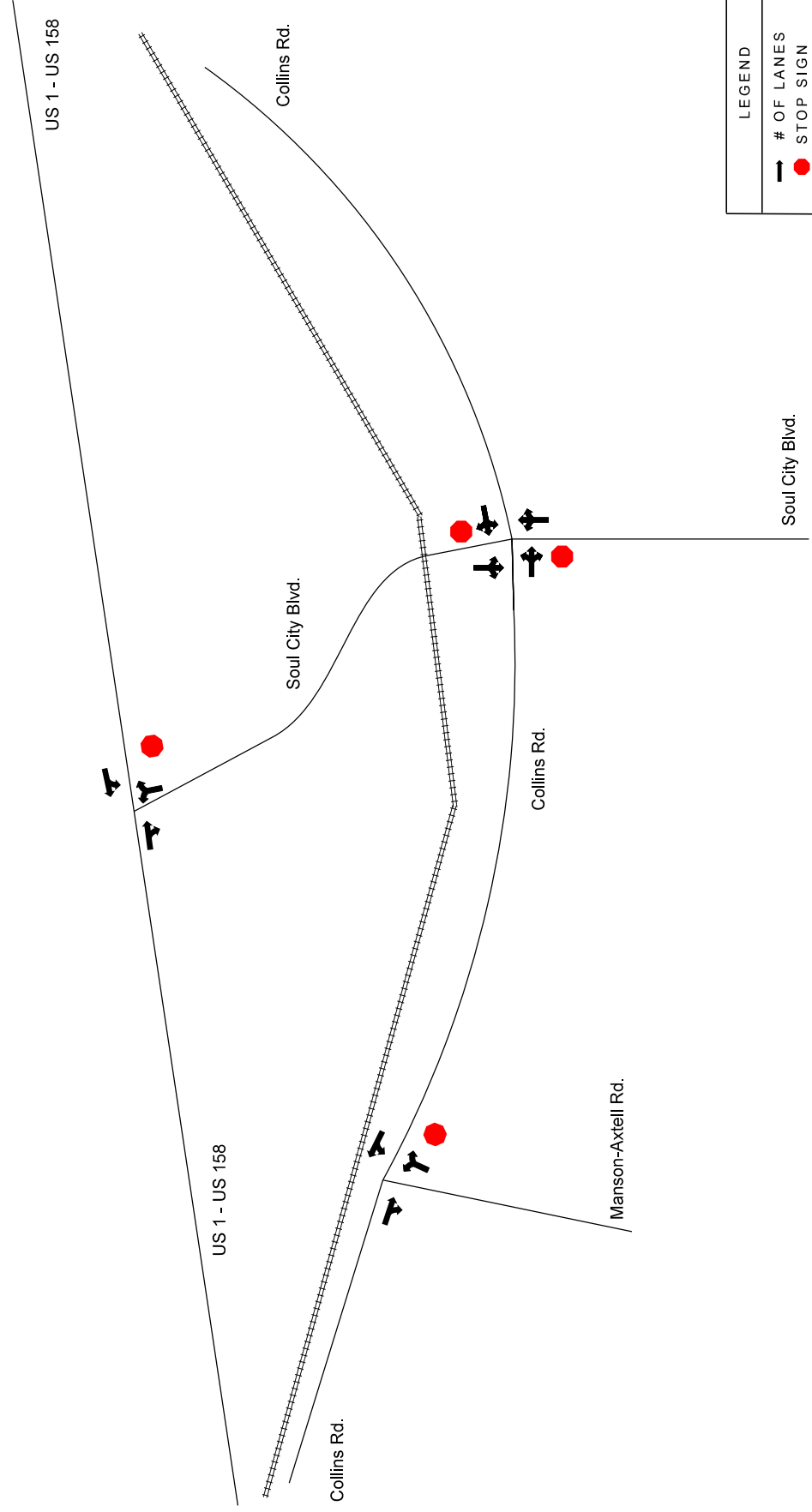
LEGEND	
AM (PM)	PEAK HOUR VOLUMES
- - - - -	PROPOSED ROADWAY
#####	PROPOSED SEHSR LOCATION





SEHSR
Norlina, NC
2030 Build Volumes

DATE: MARCH 2013
SCALE: NOT TO SCALE

FIGURE 24



LEGEND	
	# OF LANES
	STOP SIGN
	EXISTING RAIL
	LOCATION

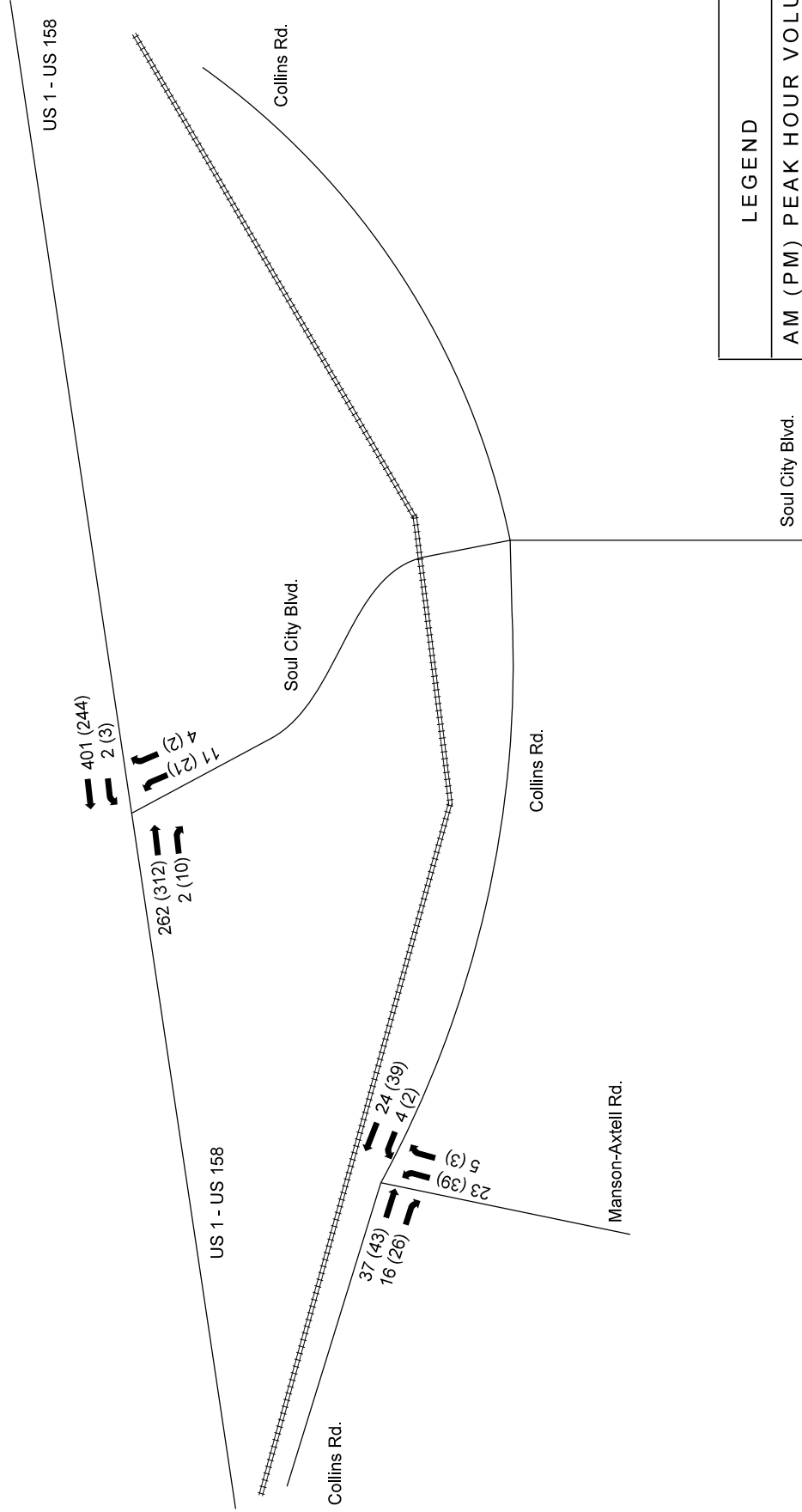


SEHSR
Soul City, NC
Existing Laneage

DATE: MARCH 2013

SCALE: NOT TO SCALE

FIGURE 25



LEGEND

AM (PM) PEAK HOUR VOLUMES

EXISTING RAIL
LOCATION

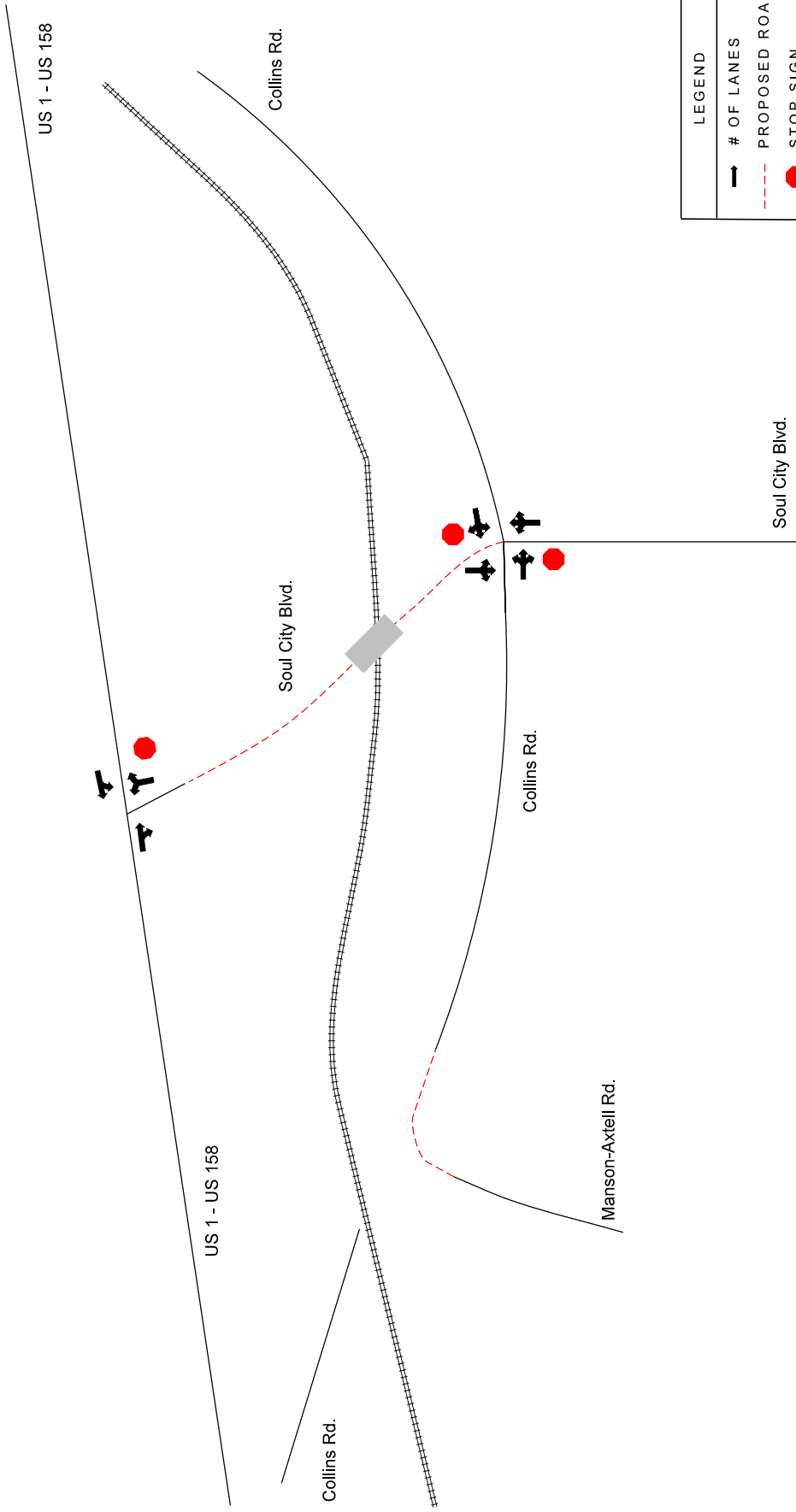
DATE: MARCH 2013

SCALE: NOT TO SCALE

SEHSR
Soul City, NC
2030 No Build Volumes



FIGURE 26



LEGEND	
	# OF LANES
	PROPOSED ROADWAY
	STOP SIGN
	PROPOSED SEHSR LOCATION

PREPARED BY:

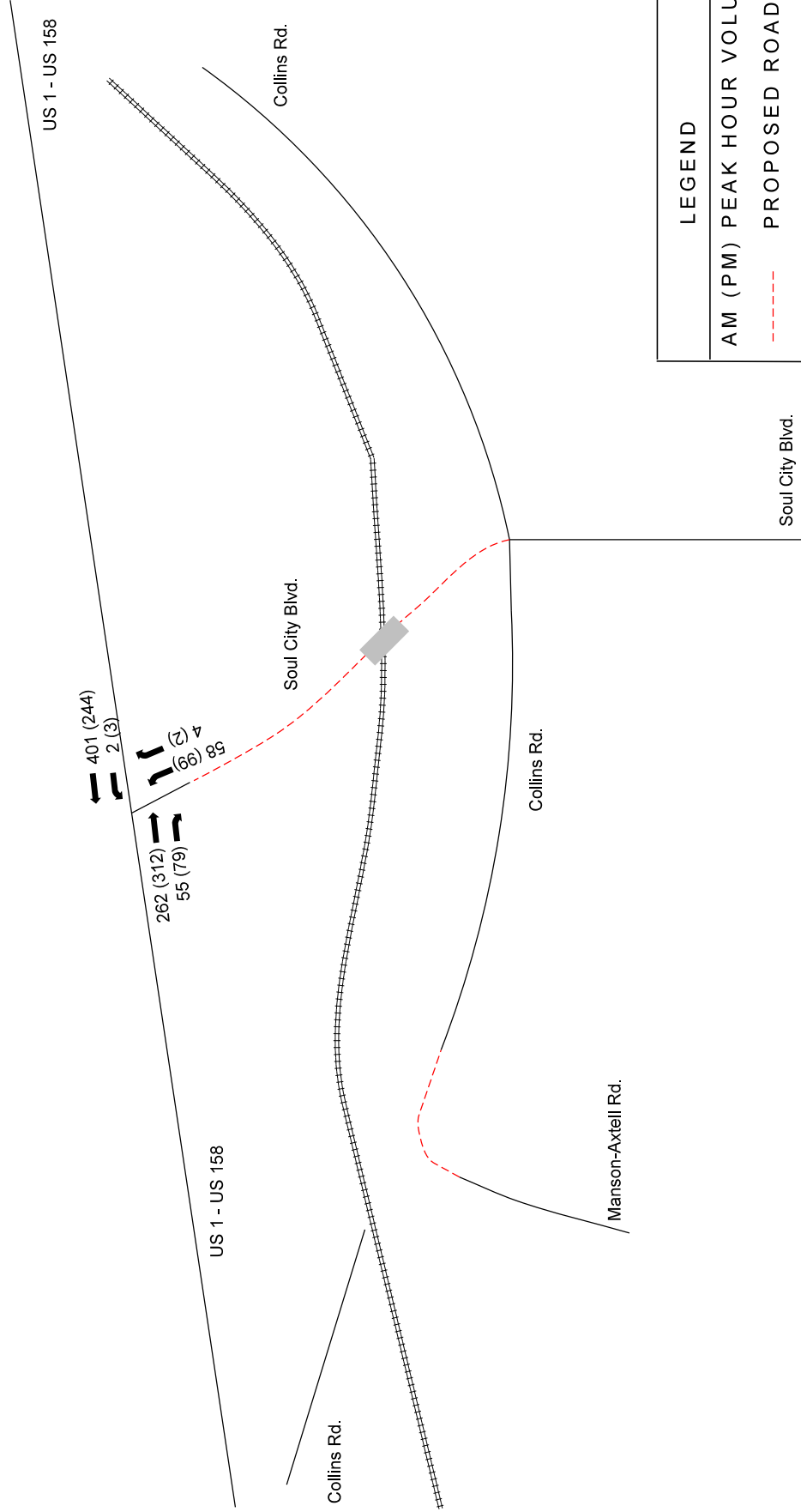
**Hatch Mott
MacDonald**

SEHSR
Soul City, NC
2030 Build Laneage

DATE: MARCH 2013

SCALE: NOT TO SCALE

FIGURE 27



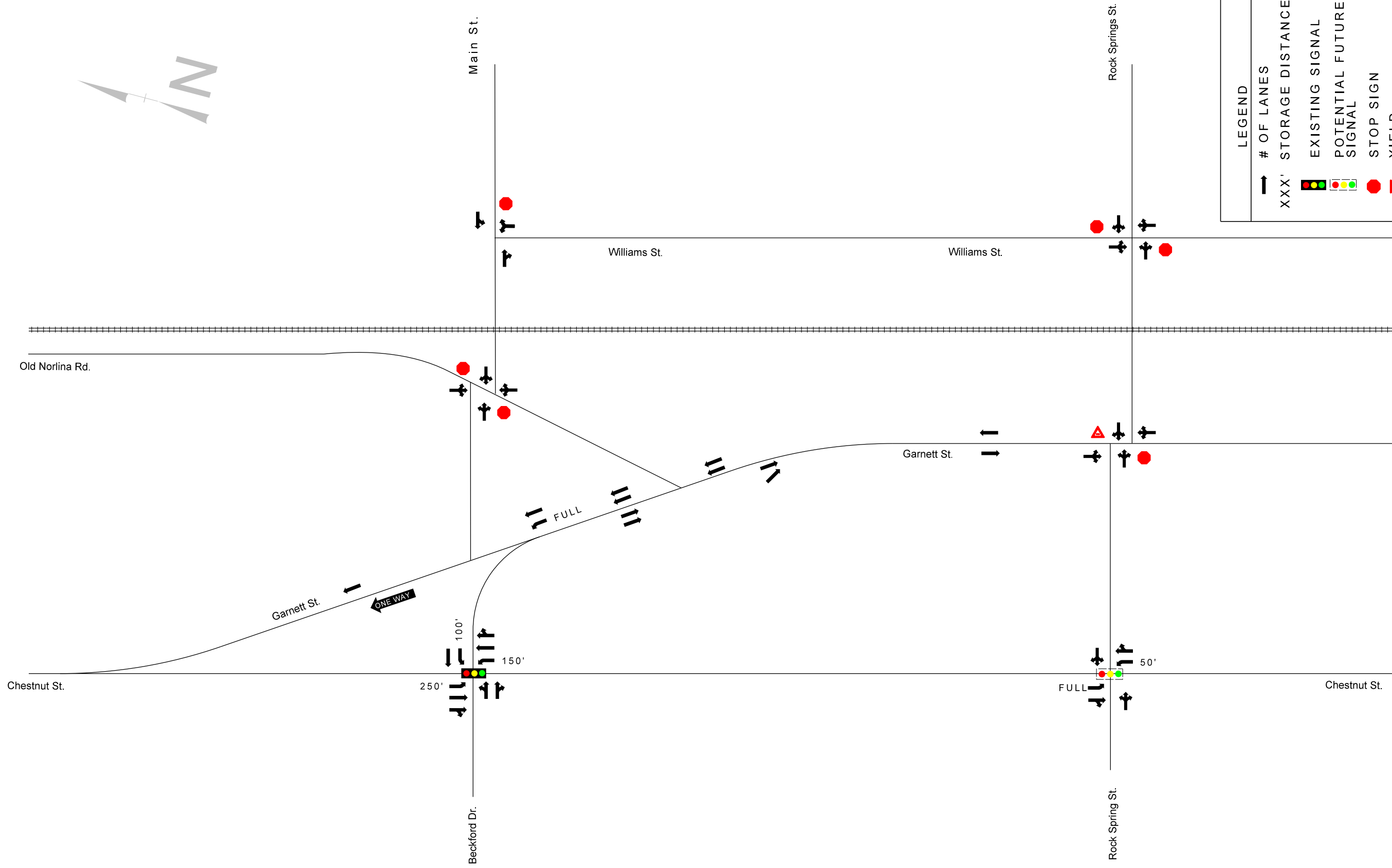
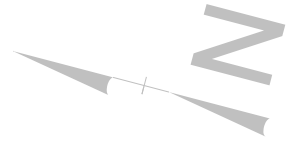
PREPARED BY:

SEHSR
Soul City, NC
2030 Build Volumes

DATE: MARCH 2013

SCALE: NOT TO SCALE

FIGURE 28



LEGEND

- # OF LANES**: Indicated by a horizontal line with arrows.
- XXX' STORAGE DISTANCES**: Indicated by a horizontal line with a vertical tick mark.
- EXISTING SIGNAL**: Represented by a traffic light symbol.
- POTENTIAL FUTURE SIGNAL**: Represented by a traffic light symbol with a dashed border.
- STOP SIGN**: Represented by a red octagon.
- YIELD**: Represented by a red triangle with a white border.
- EXISTING RAIL LOCATION**: Represented by a dashed line with cross-ticks.

PREPARED BY:

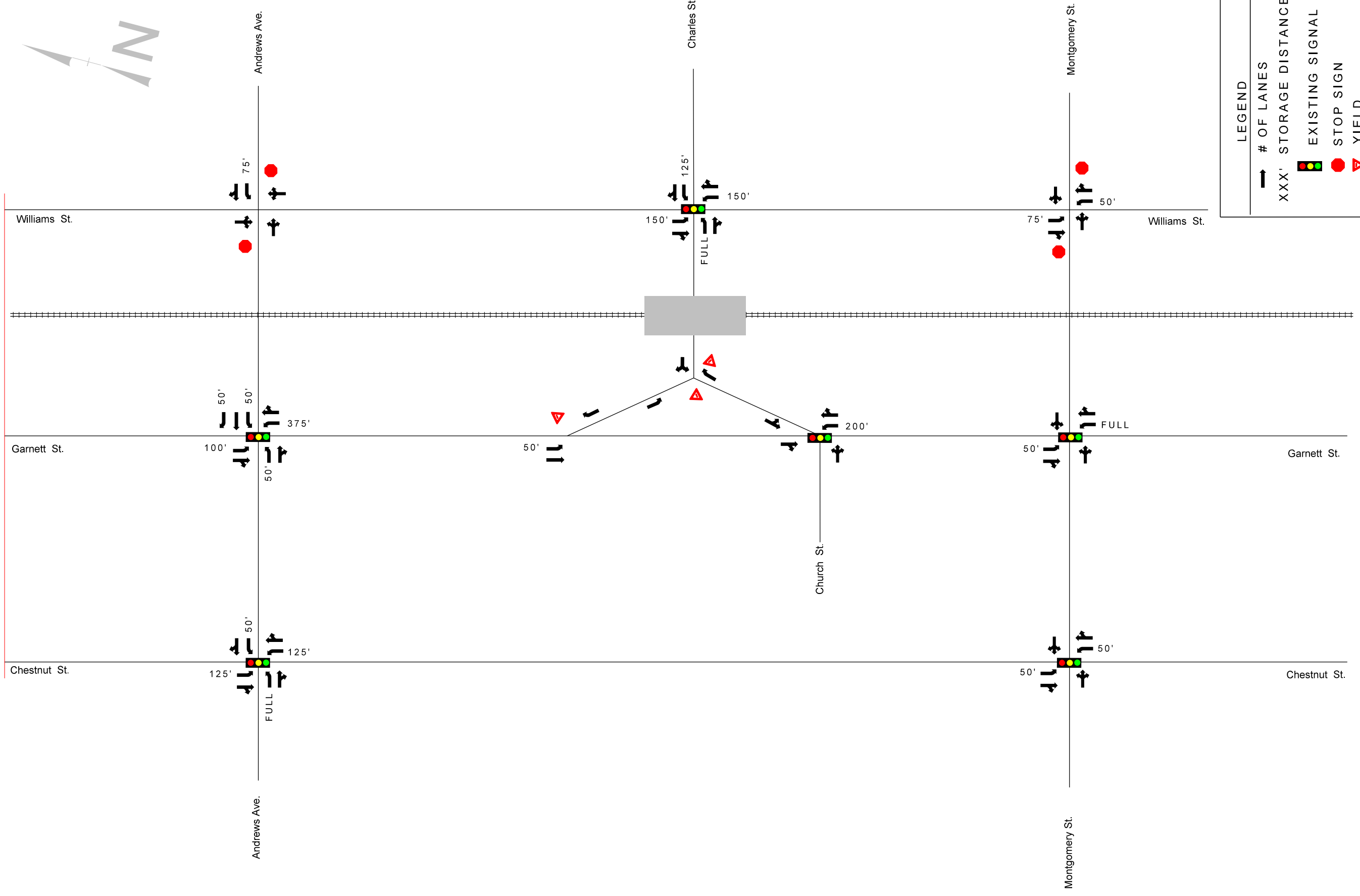
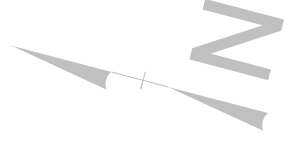
SEHSR
Henderson, NC
Existing Laneage

DATE: MARCH 2013

SCALE: NOT TO SCALE

PREPARED BY:
FIGURE 29a

-MATCHLINE SEE FIGURE NO. 29a-



LEGEND

- # OF LANES
- XXX' STORAGE DISTANCES
- EXISTING SIGNAL
- STOP SIGN
- YIELD
- EXISTING RAIL LOCATION

PREPARED BY:



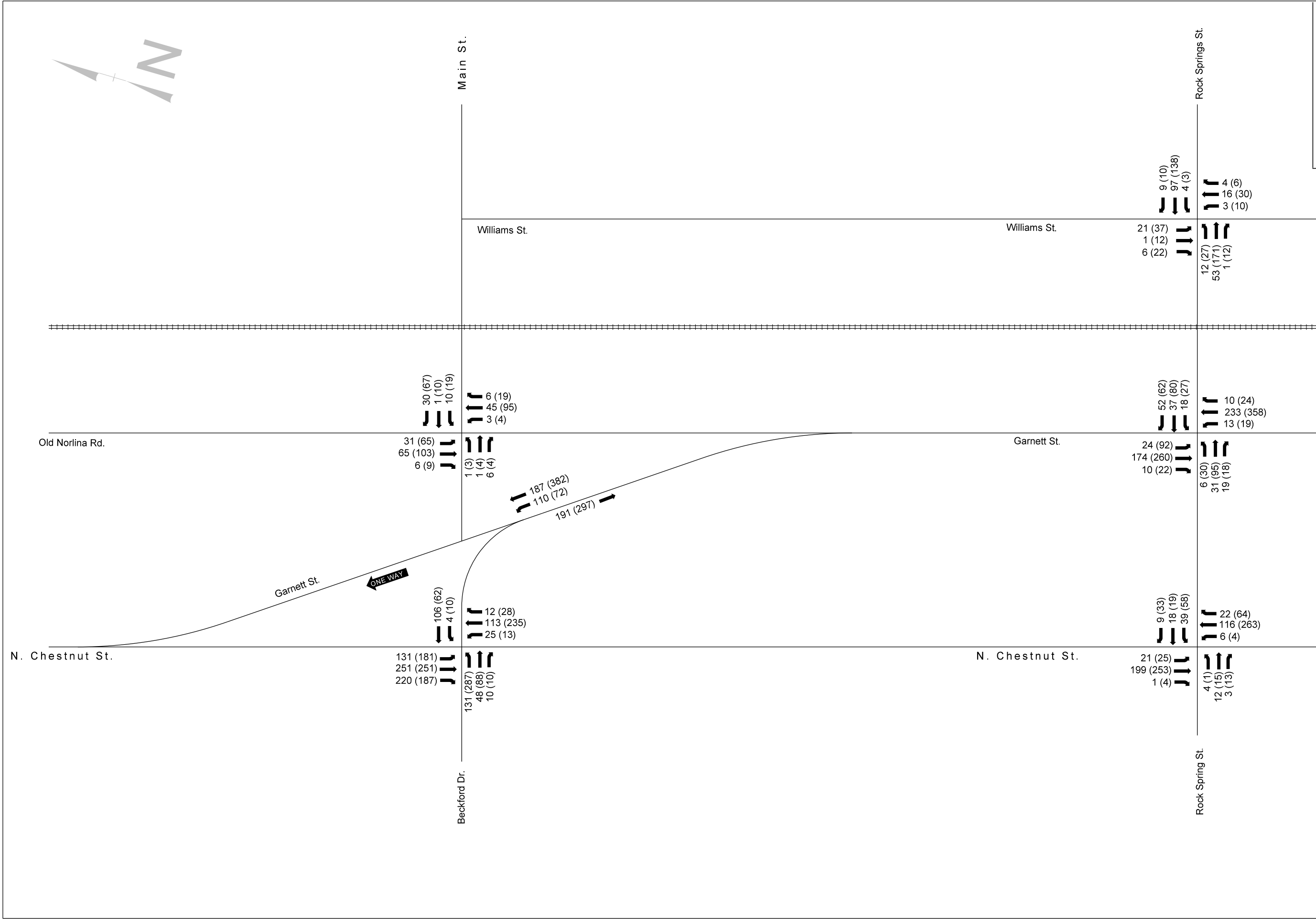
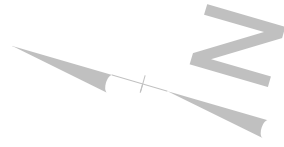
**Hatch Mott
MacDonald**

SEHSR
Henderson, NC
Existing Laneage

DATE:
MARCH 2013

SCALE:
NOT TO SCALE

FIGURE 29b



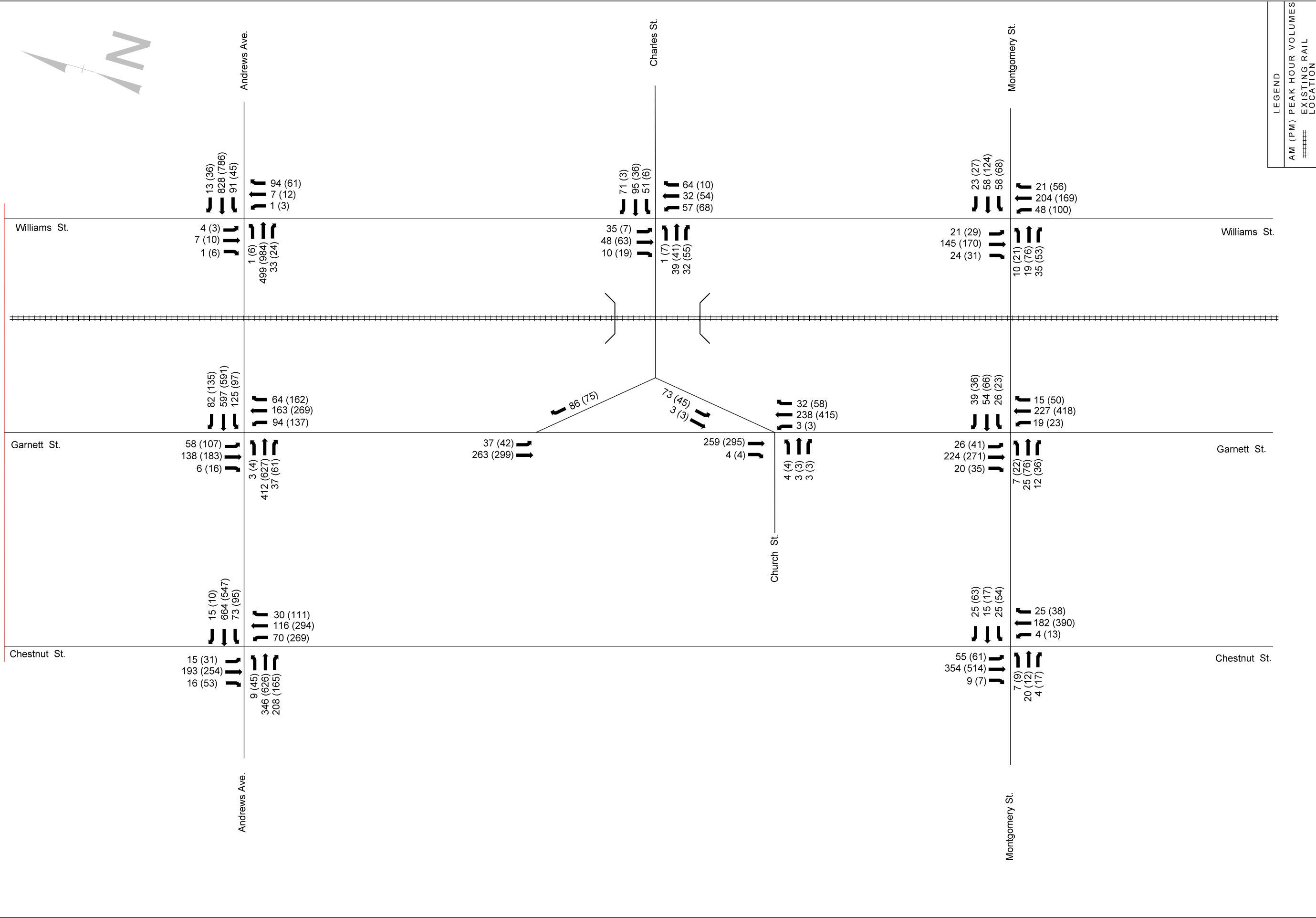
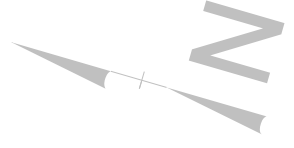
PREPARED BY:

SEHSR
 Henderson, NC
 2030 No Build Volumes

DATE: MARCH 2013
 SCALE: NOT TO SCALE

FIGURE 30a

-MATCHLINE SEE FIGURE NO. 30a-



LEGEND
 AM (PM) PEAK HOUR VOLUMES
 ##### EXISTING RAIL
 - - - - - LOCATION

PREPARED BY:



SEHSR
 Henderson, NC
 2030 No Build Volumes

DATE: MARCH 2013

SCALE: NOT TO SCALE

FIGURE 30b



2030 Garnett Street
Roundabout, Henderson

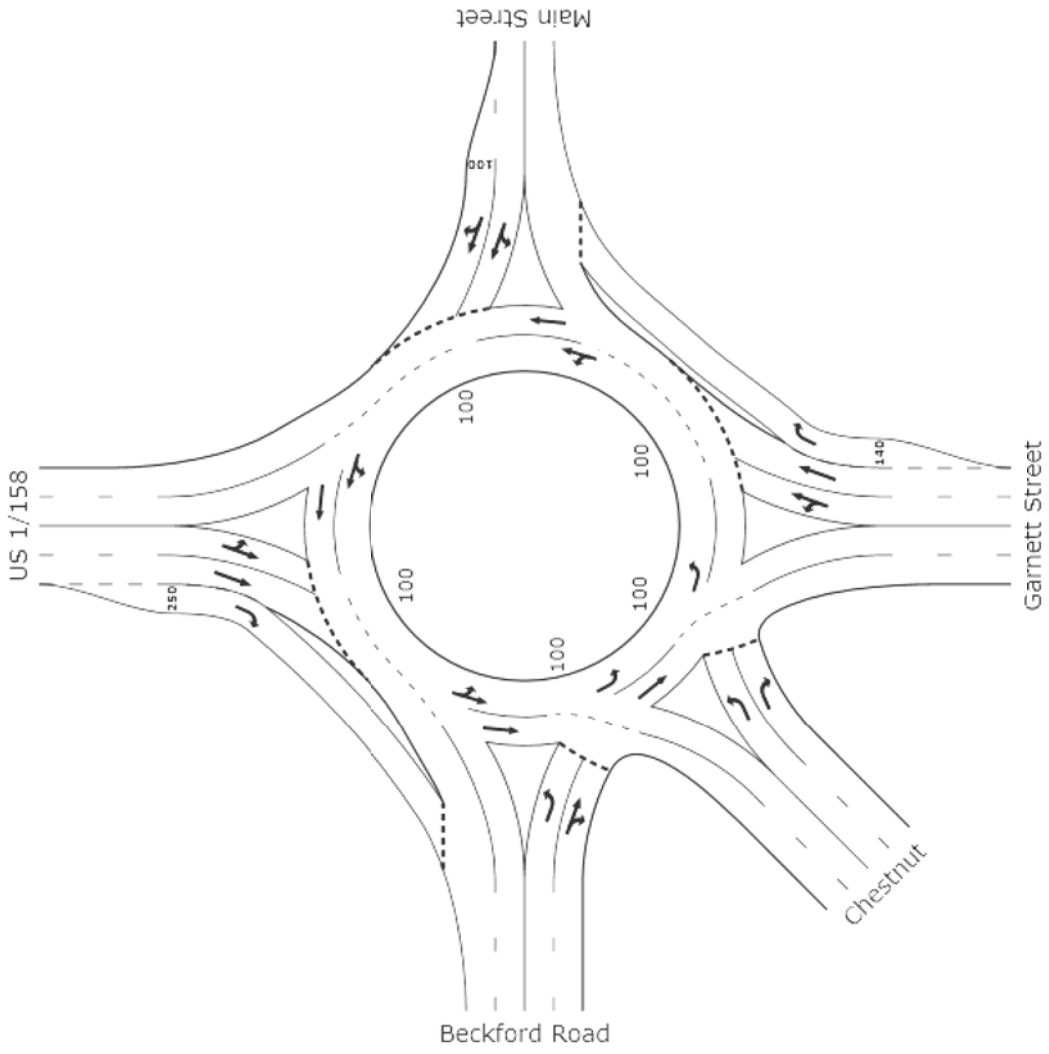


FIGURE 31

DATE: MARCH 2013

SCALE: NOT TO SCALE

SEHSR
Henderson, NC
2030 Build Laneage

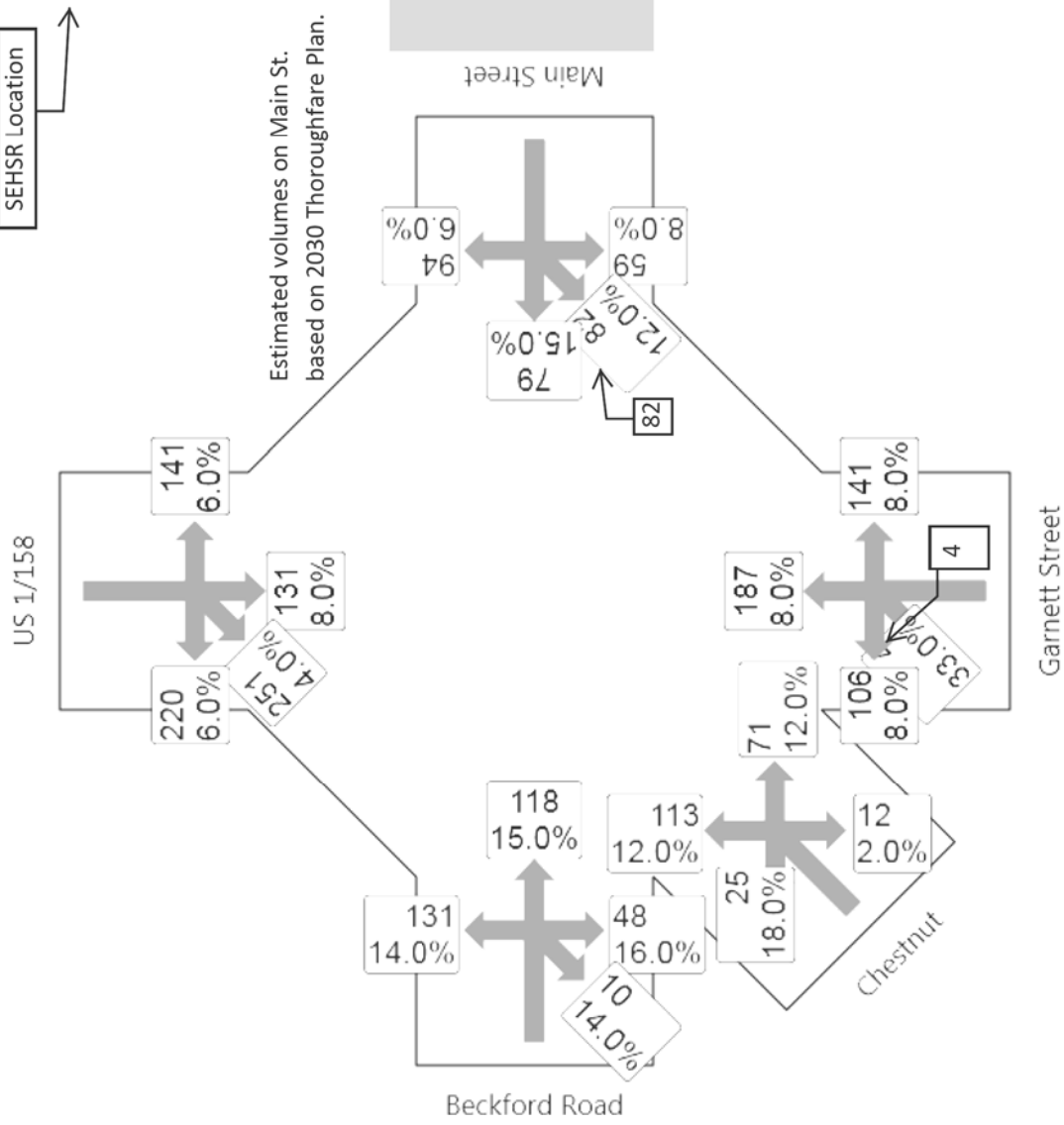
PREPARED BY:



Hatch Mott
MacDonald

2030 Build AM
Volumes
T%

SEHSR Location



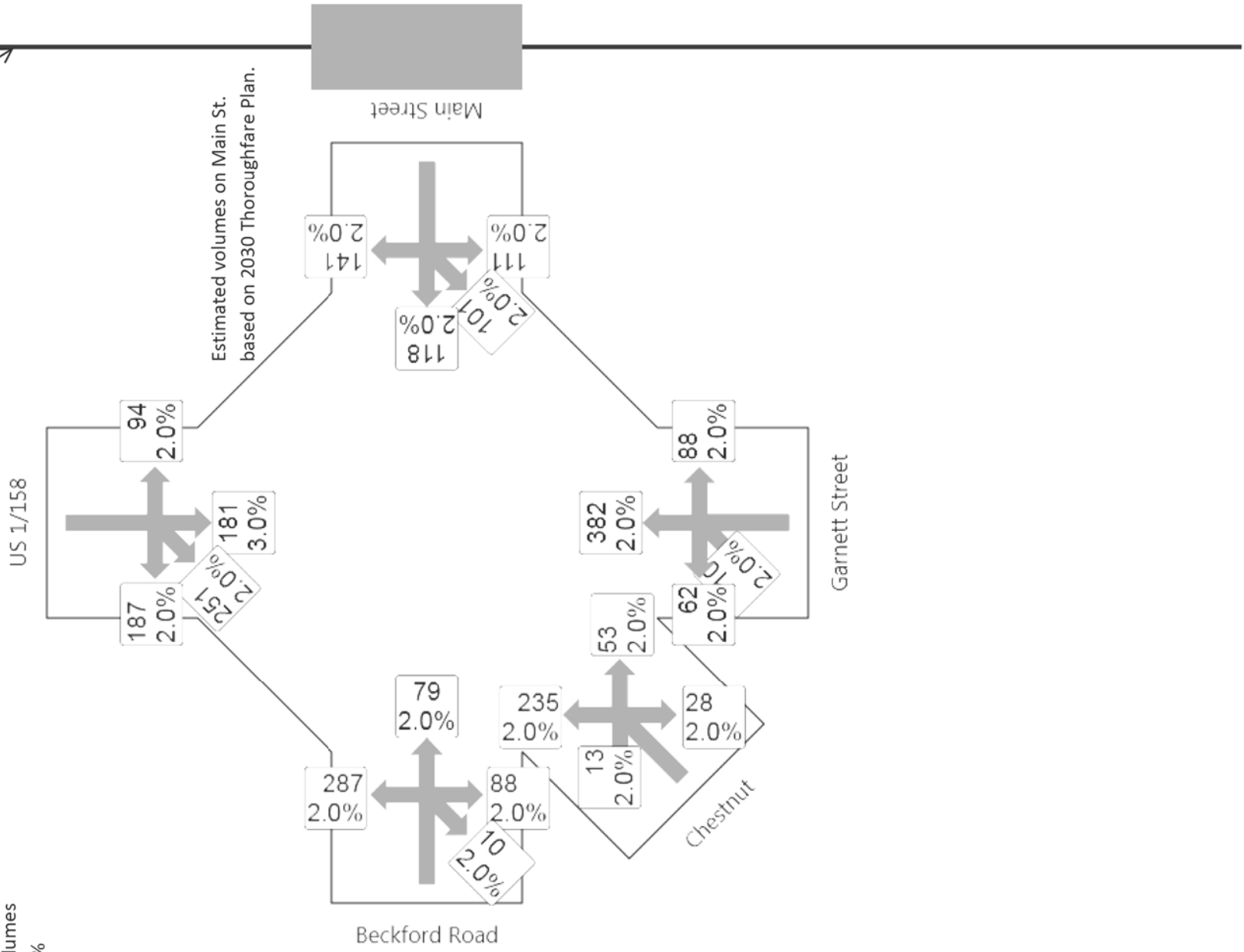
DATE: MARCH 2013
SCALE: NOT TO SCALE

SEHSR
Henderson, NC
2030 AM Build Volumes

FIGURE 32a

2030 PM Build
Volumes
T%

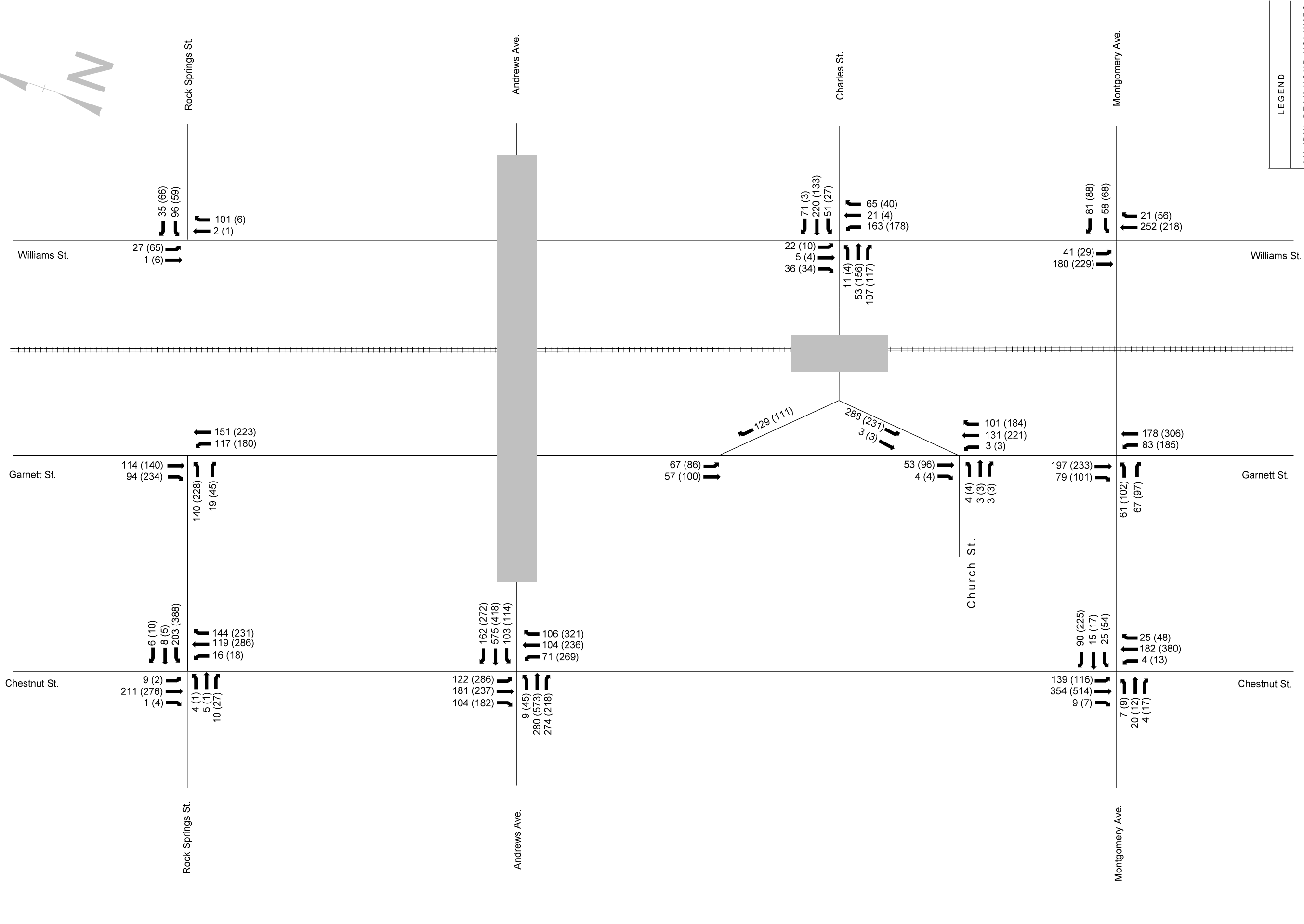
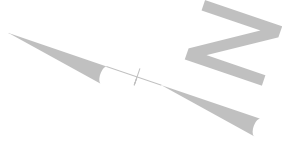
SEHSR Location



DATE: MARCH 2013
SCALE: NOT TO SCALE

SEHSR
Henderson, NC
2030 PM Build Volumes

FIGURE 32b



LEGEND	
AM (PM)	PEAK HOUR VOLUMES
#####	PROPOSED SEHSR LOCATION

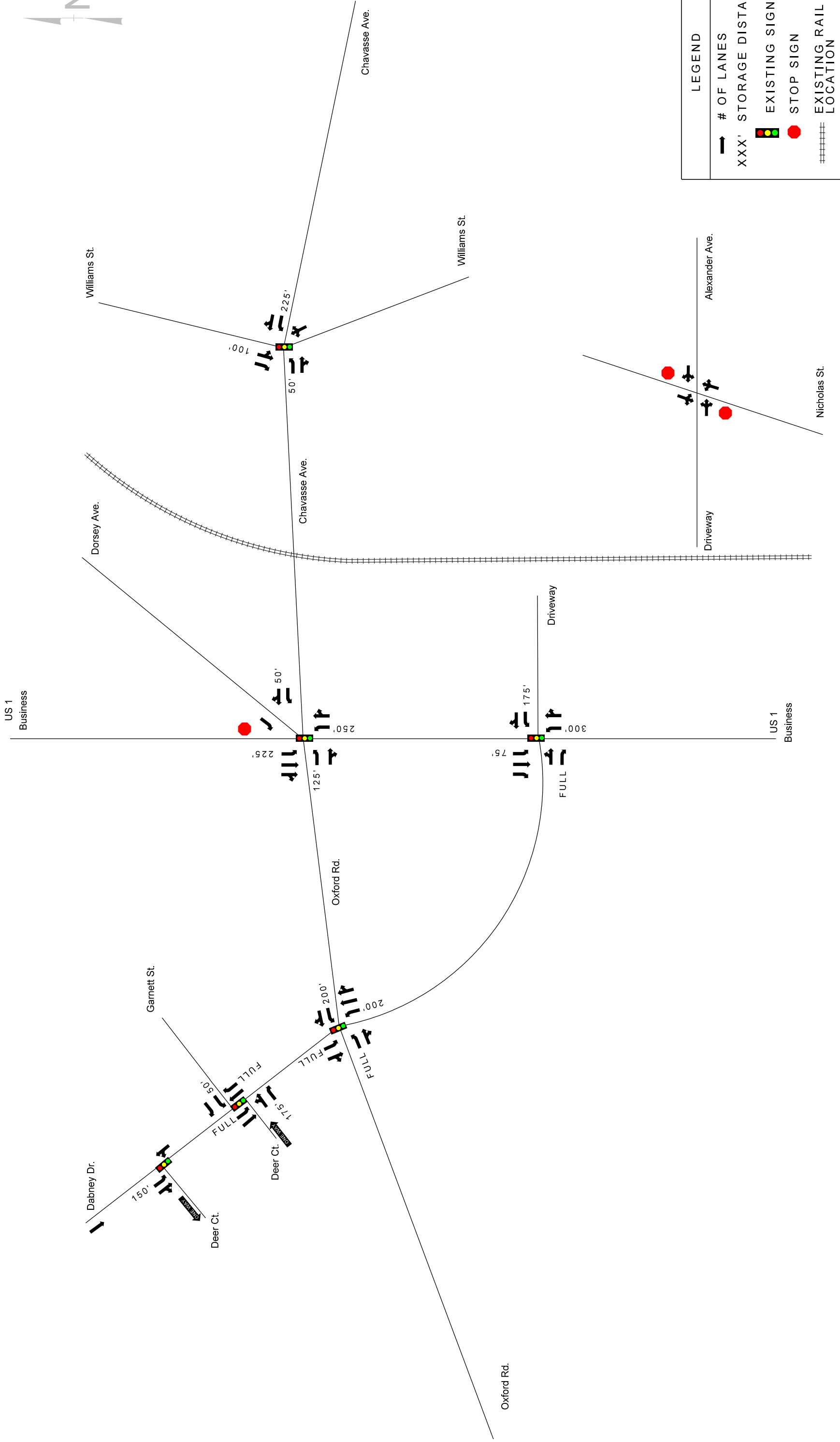


PREPARED BY:

**SEHSR
Henderson, NC
2030 Build Volumes**

DATE: MARCH 2013
SCALE: NOT TO SCALE

FIGURE 34



PREPARED BY:



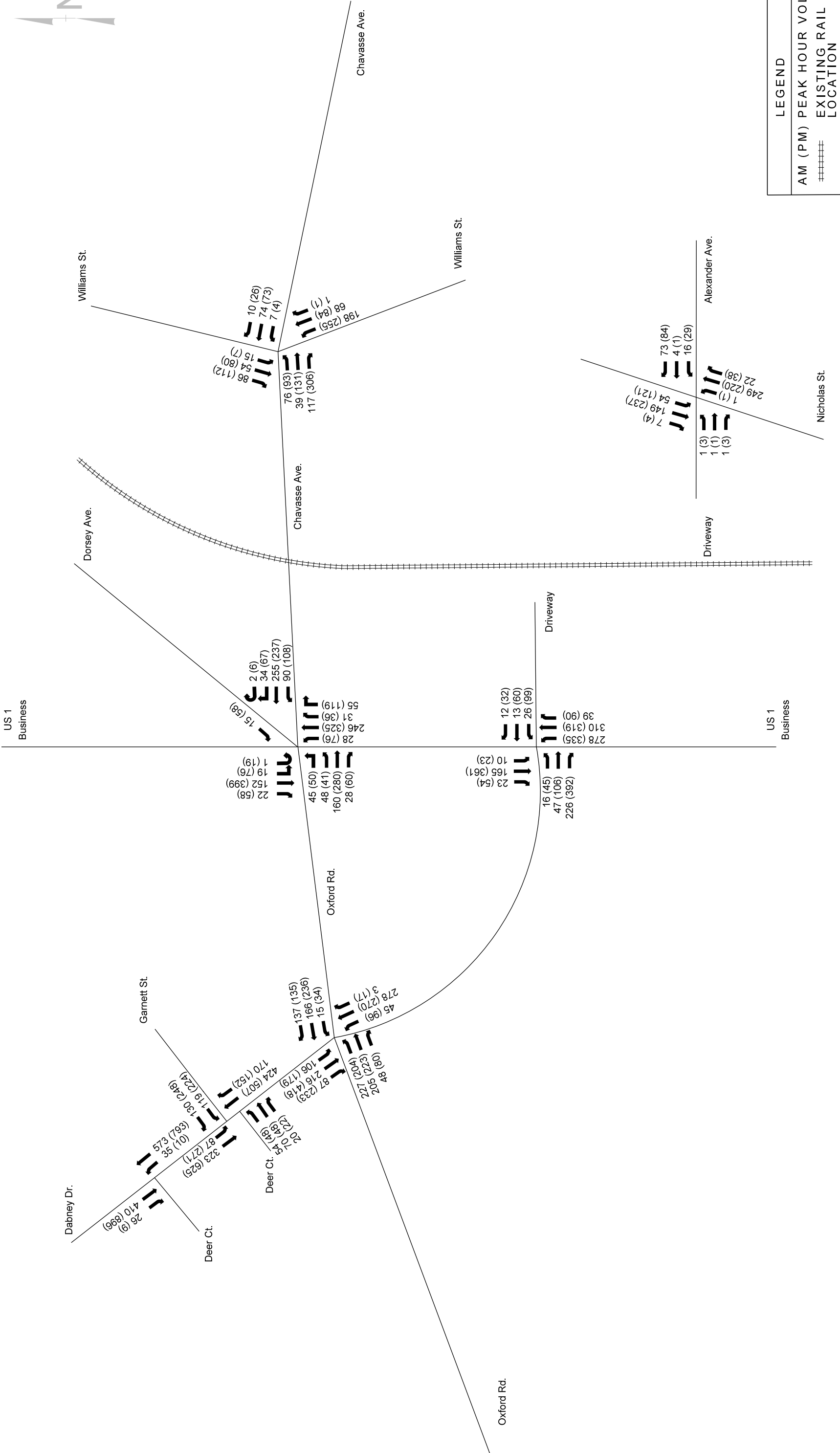
**Hatch Mott
MacDonald**

**SEHSR
Henderson, NC
Existing Laneage**

DATE: MARCH 2013

SCALE: NOT TO SCALE

FIGURE 35



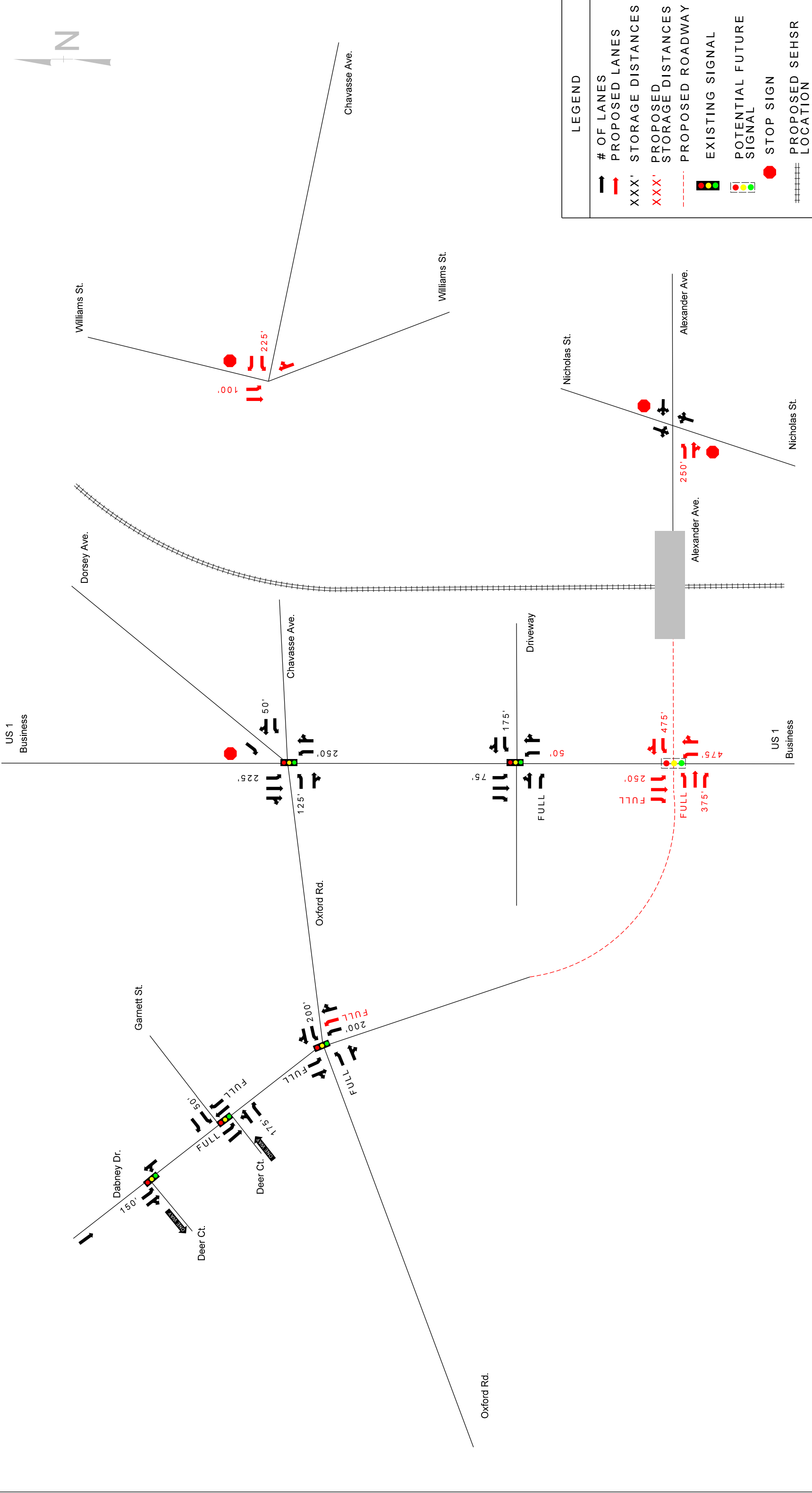
LEGEND
 AM (PM) PEAK HOUR VOLUMES
 ##### EXISTING RAIL
 LOCATION



**SEHSR
 Henderson, NC
 2030 No Build Volumes**

DATE: MARCH 2013
SCALE: NOT TO SCALE

FIGURE 36



PREPARED BY:



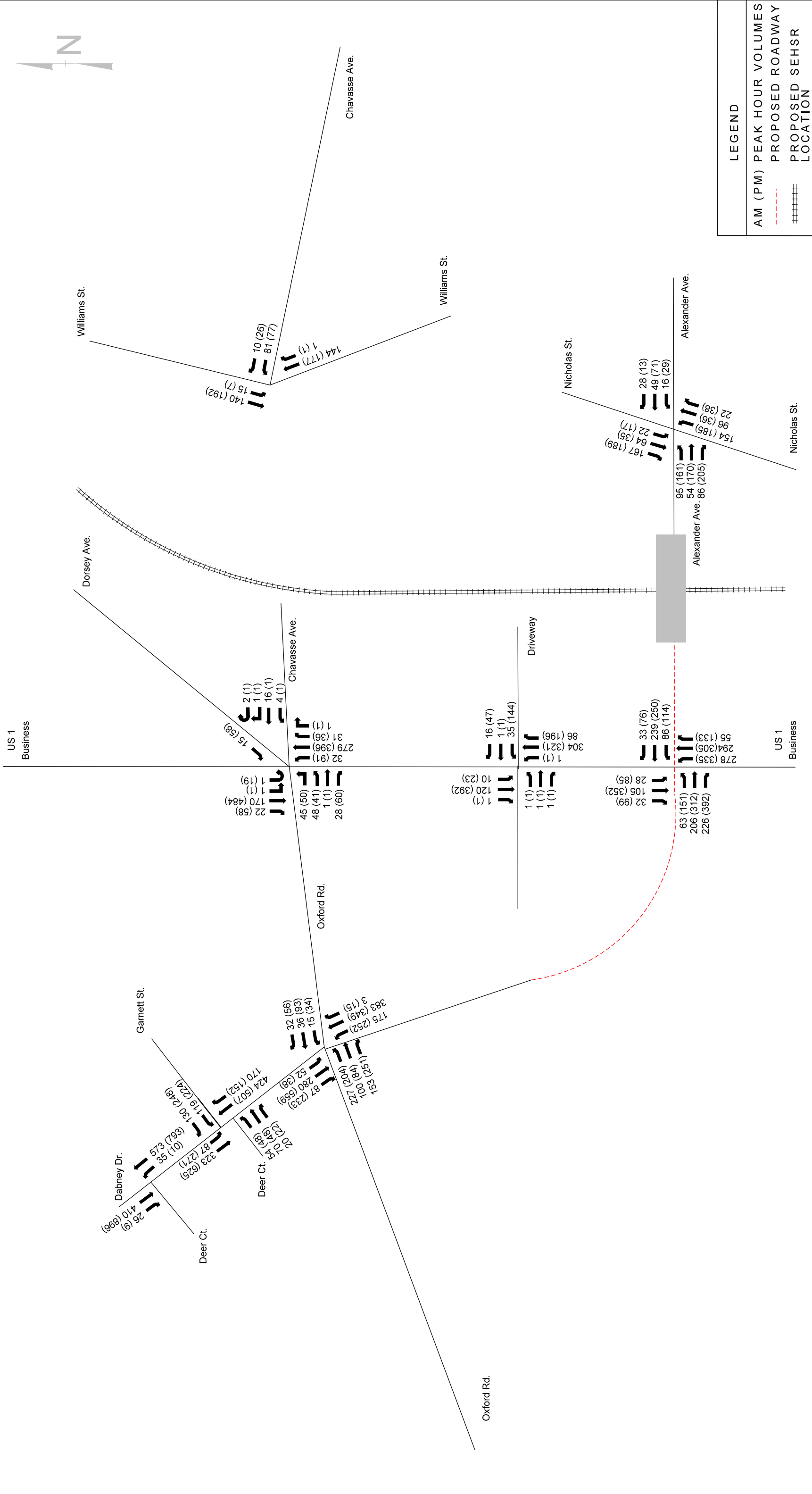
**Hatch Mott
MacDonald**

**SEHSR
Henderson, NC
2030 Build Laneage**

DATE: MARCH 2013

SCALE: NOT TO SCALE

FIGURE 37

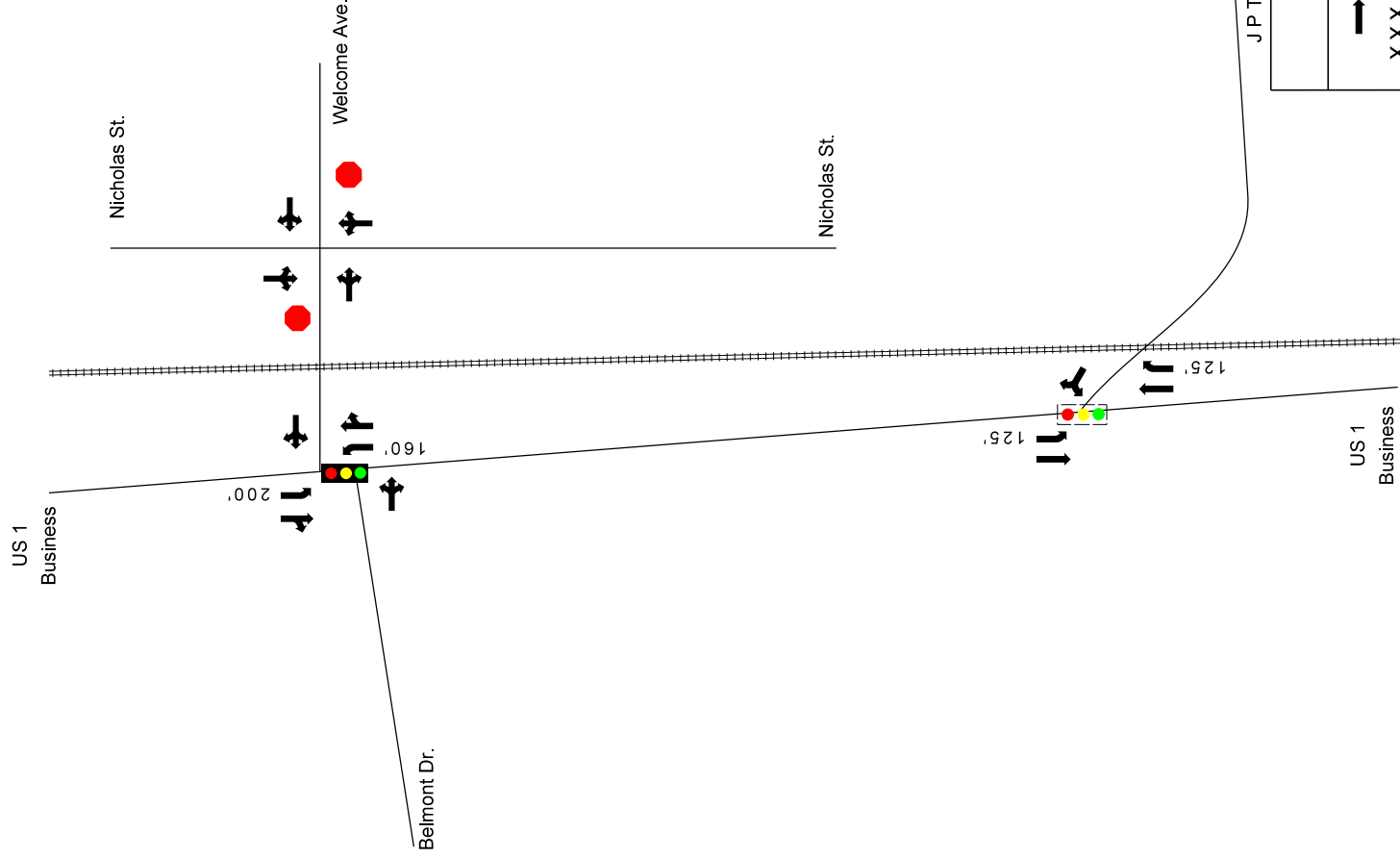


**SEHSR
Henderson, NC
2030 Build Volumes**

DATE: MARCH 2013

SCALE: NOT TO SCALE

FIGURE 38



LEGEND

- ➔ # OF LANES
- XXX' STORAGE DISTANCES
- EXISTING SIGNAL
- POTENTIAL FUTURE SIGNAL
- STOP SIGN
- EXISTING RAIL LOCATION

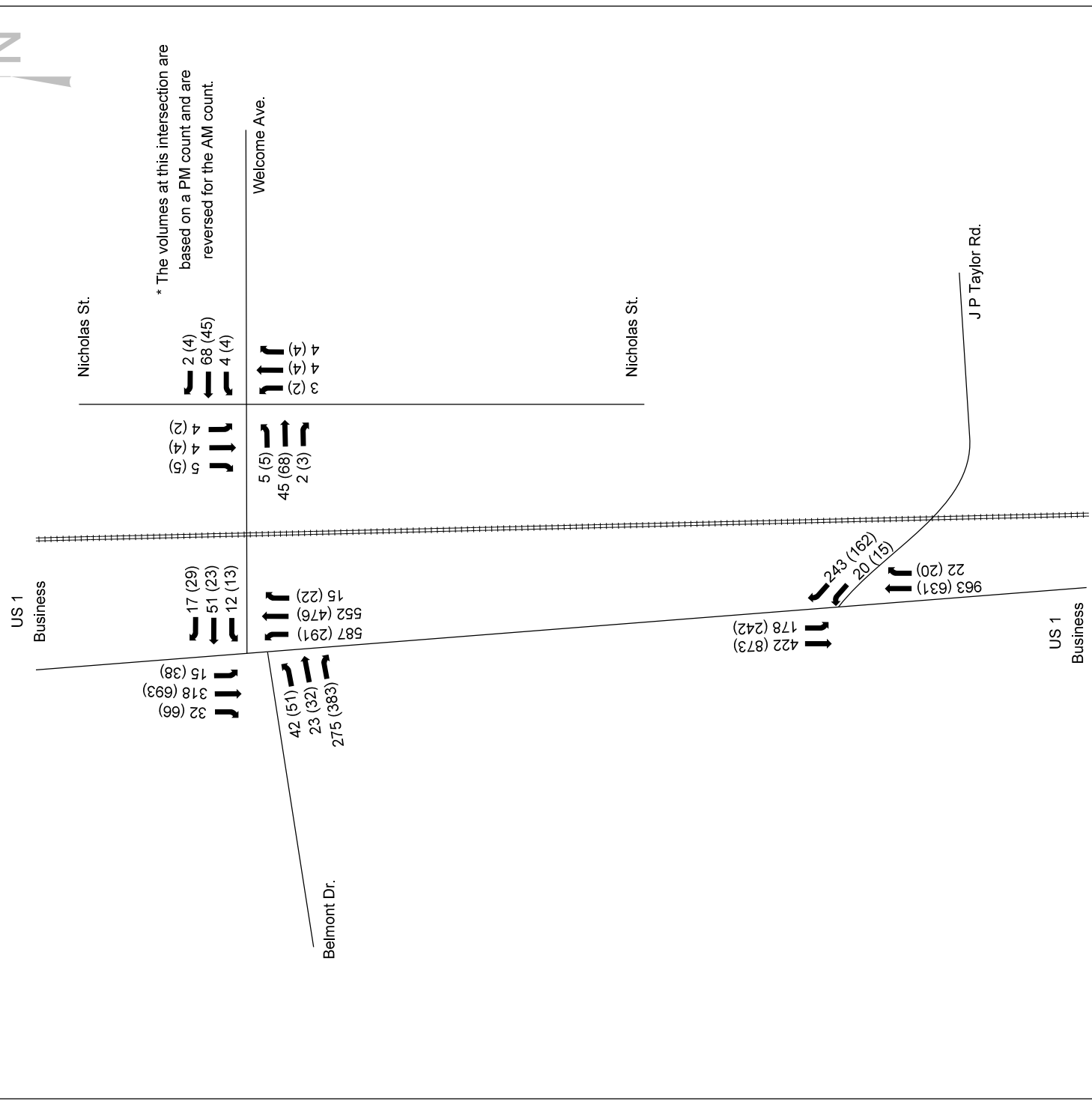
DATE: MARCH 2013

SCALE: NOT TO SCALE

SEHSR
Henderson, NC
Existing Laneage



FIGURE 39



* The volumes at this intersection are based on a PM count and are reversed for the AM count.

LEGEND	
AM (PM)	PEAK HOUR VOLUMES
#####	EXISTING RAIL LOCATION

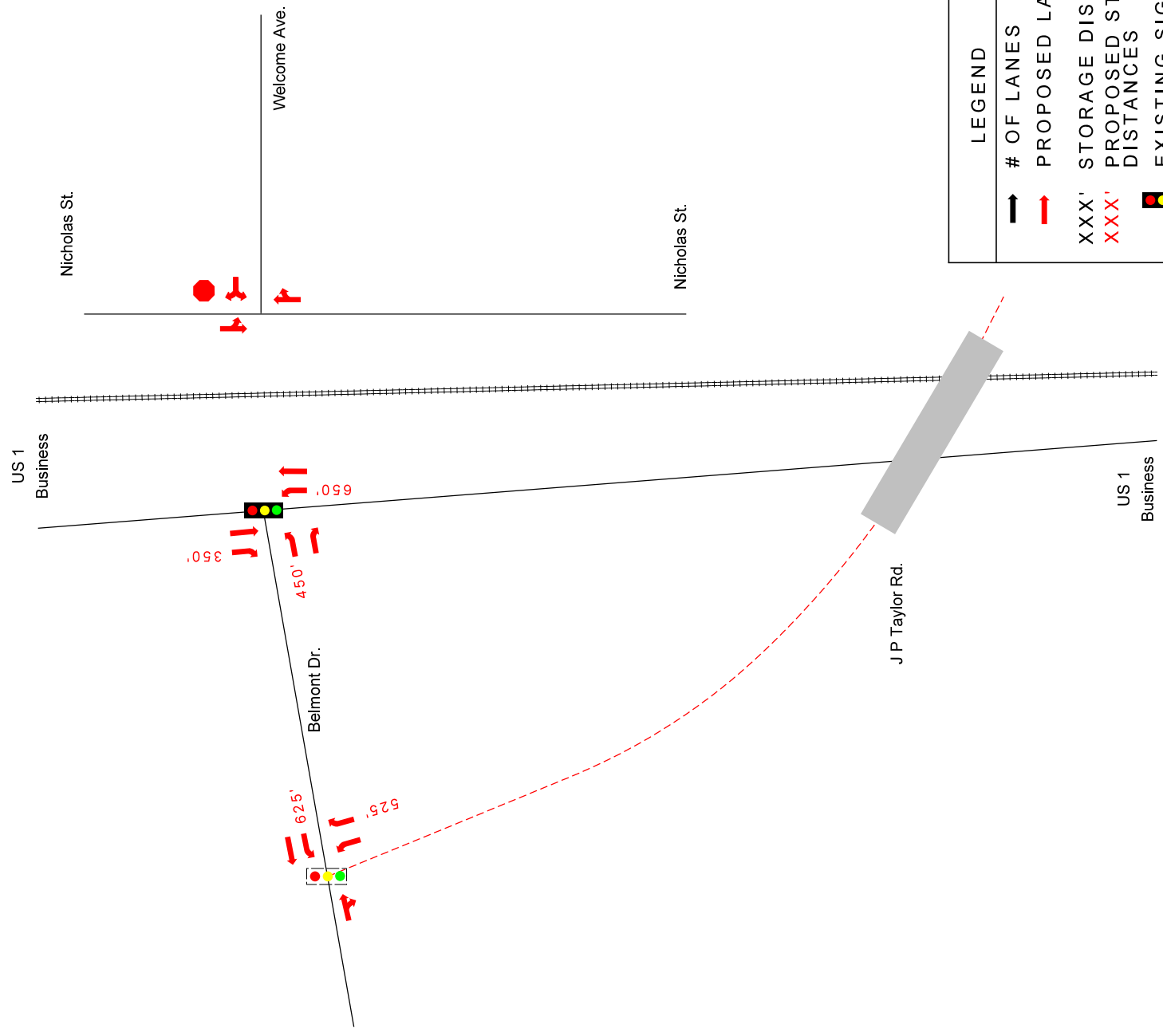


SEHSR
Henderson, NC
2030 No Build Volumes

DATE: MARCH 2013

SCALE: NOT TO SCALE

FIGURE 40



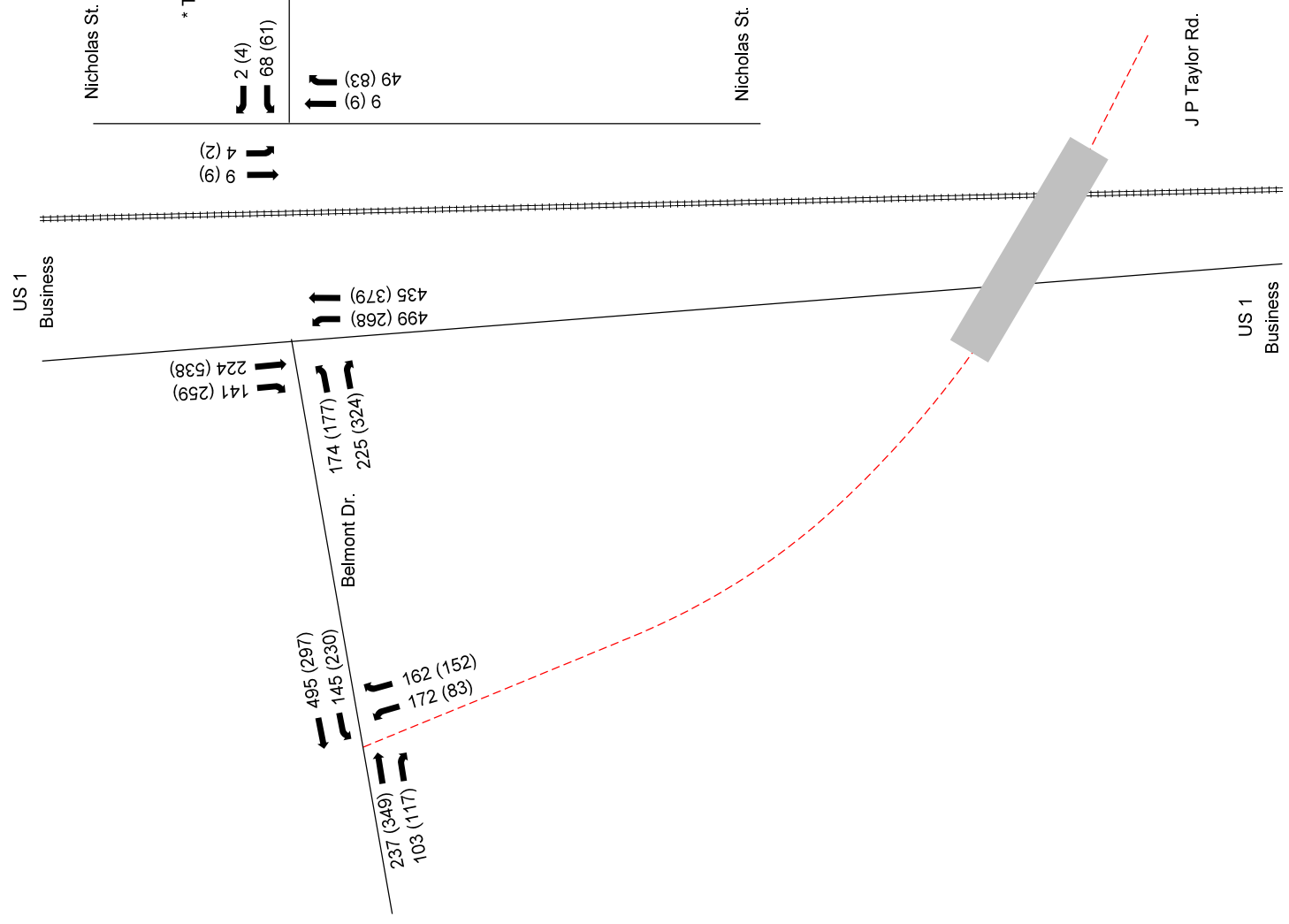
LEGEND	
	# OF LANES
	PROPOSED LANES
XXX'	STORAGE DISTANCES
XXX'	PROPOSED STORAGE DISTANCES
	EXISTING SIGNAL
	POTENTIAL FUTURE SIGNAL
- - - - -	PROPOSED ROADWAY
	STOP SIGN
#####	PROPOSED SEHSR LOCATION

DATE: MARCH 2013
SCALE: NOT TO SCALE

SEHSR
Henderson, NC
2030 Build Laneage



FIGURE 41



* The volumes at this intersection are based on a PM count and are reversed for the AM count.

LEGEND	
AM (PM)	PEAK HOUR VOLUMES
---	PROPOSED ROADWAY
#####	PROPOSED SEHSR LOCATION

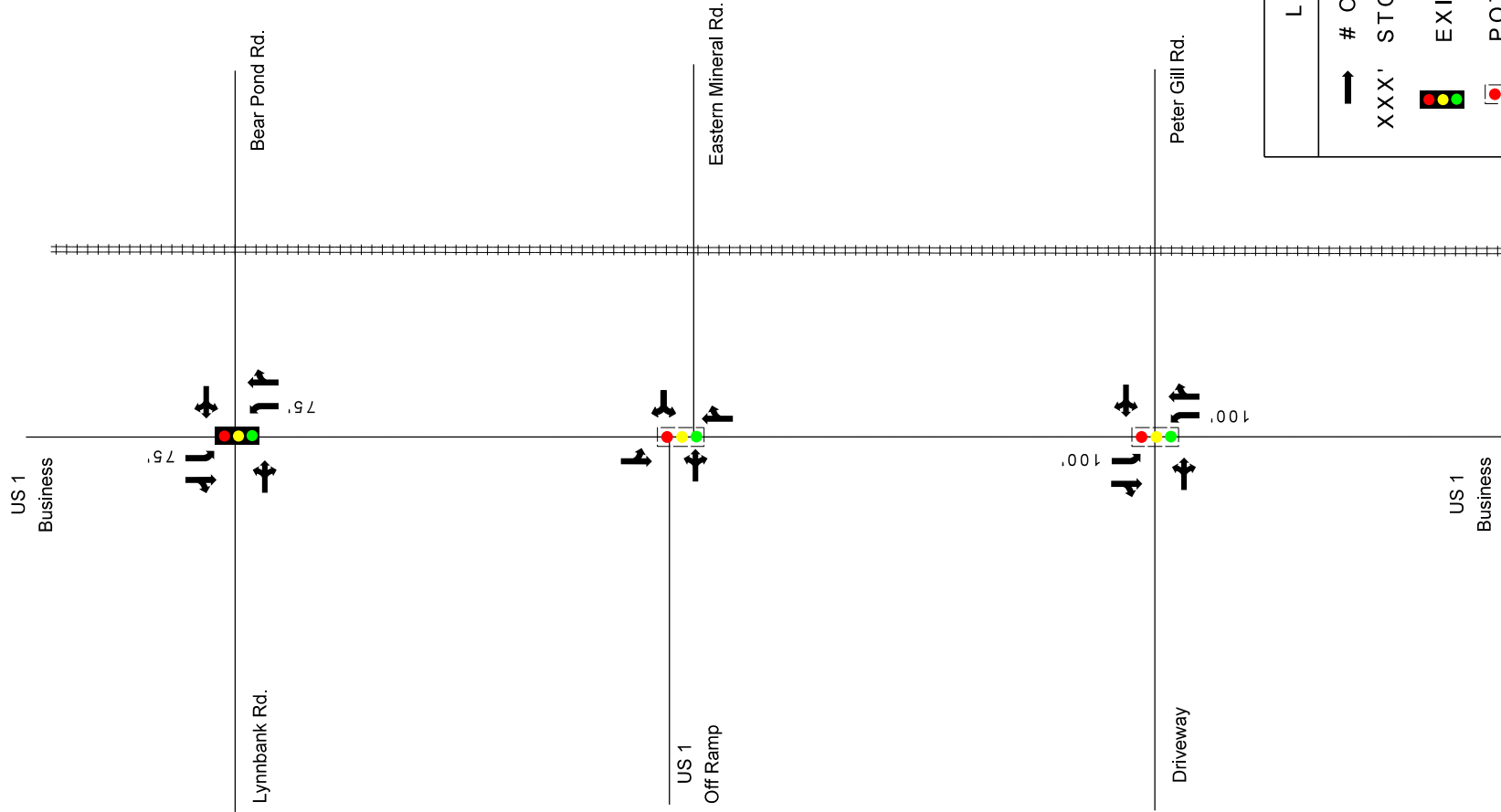
DATE: MARCH 2013

SCALE: NOT TO SCALE

SEHSR
Henderson, NC
2030 Build Volumes



FIGURE 42



LEGEND

➔ # OF LANES

XXX' STORAGE DISTANCES

🚦 EXISTING SIGNAL

🚦 POTENTIAL FUTURE SIGNAL

EXISTING RAIL LOCATION

DATE: MARCH 2013

SCALE: NOT TO SCALE

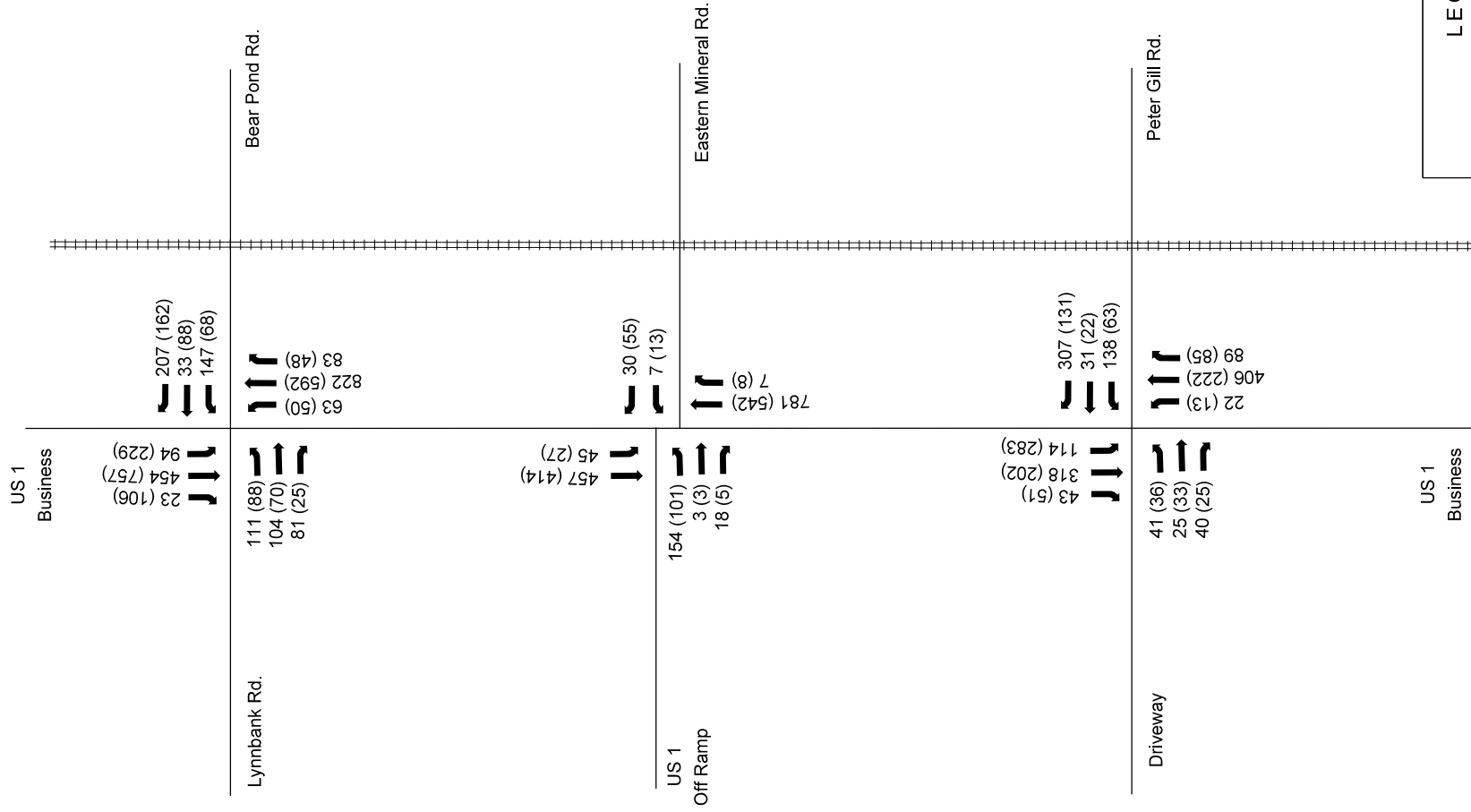
SEHSR
Henderson, NC
Existing Laneage

PREPARED BY:



Hatch Mott
MacDonald

FIGURE 43



LEGEND

AM (PM) PEAK HOUR VOLUMES

EXISTING RAIL
LOCATION

DATE: MARCH 2013

SCALE: NOT TO SCALE

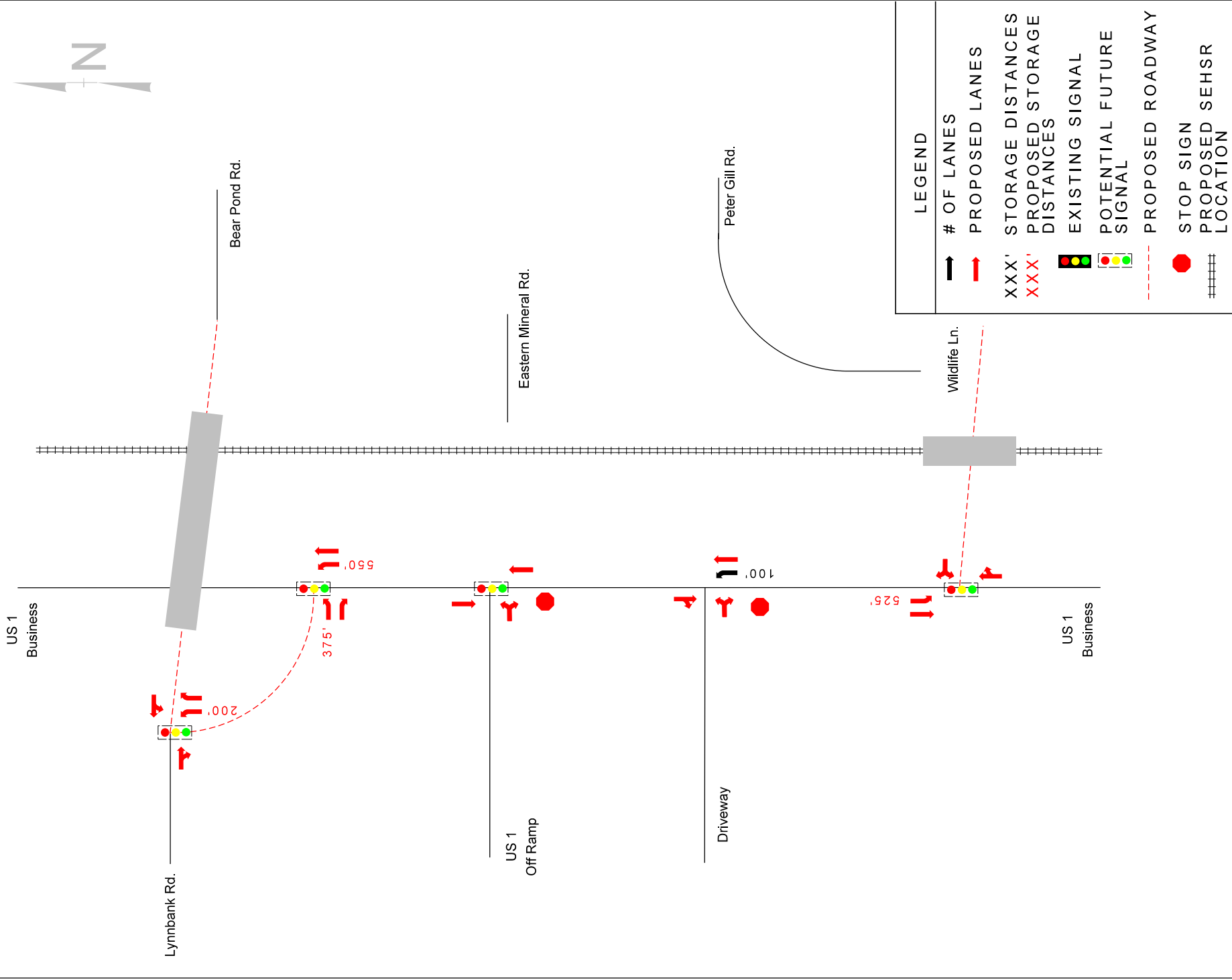
SEHSR
Henderson, NC
2030 No Build Volumes

PREPARED BY:



Hatch Mott
MacDonald

FIGURE 44



LEGEND








-  # OF LANES
-  PROPOSED LANES
-  XXX' EXISTING SIGNAL
-  XXX' POTENTIAL FUTURE SIGNAL
-  PROPOSED ROADWAY
-  STOP SIGN
-  PROPOSED SEHSR LOCATION

FIGURE 45

SEHSR
Henderson, NC
2030 Build Laneage



US 1
Business

Lymbank Rd.

104 (70)
192 (113)

33 (88)
372 (255)

222 (289)
98 (156)

144 (347)
427 (745)

336 (275)
228 (93)

475 (429)

146 (98)
822 (567)

US 1
Off Ramp

793 (672)

154 (101)
21 (8)

43 (51)
453 (490)

Driveway

41 (36)
65 (58)

53 (35)
718 (383)

358 (214)
160 (334)

350 (183)
145 (76)

421 (227)
96 (93)

US 1
Business

Bear Pond Rd.

Eastern Mineral Rd.

Peter Gill Rd.

Wildlife Ln.



LEGEND

AM (PM) PEAK HOUR VOLUMES

PROPOSED ROADWAY

PROPOSED SEHSR LOCATION

DATE: MARCH 2013

SCALE: NOT TO SCALE

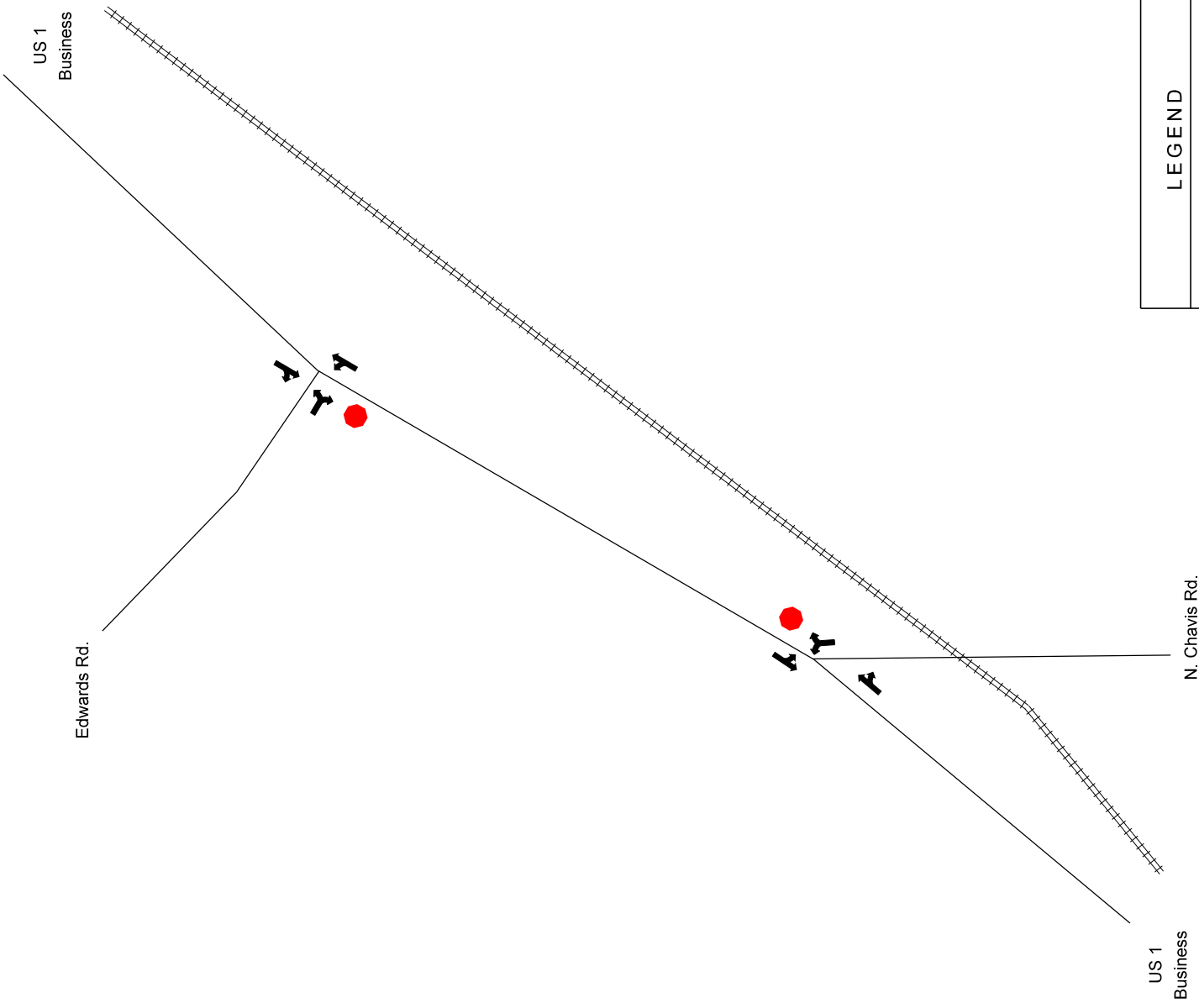
SEHSR
Henderson, NC
2030 Build Volumes




PREPARED BY:



Hatch Mott
MacDonald

FIGURE 46



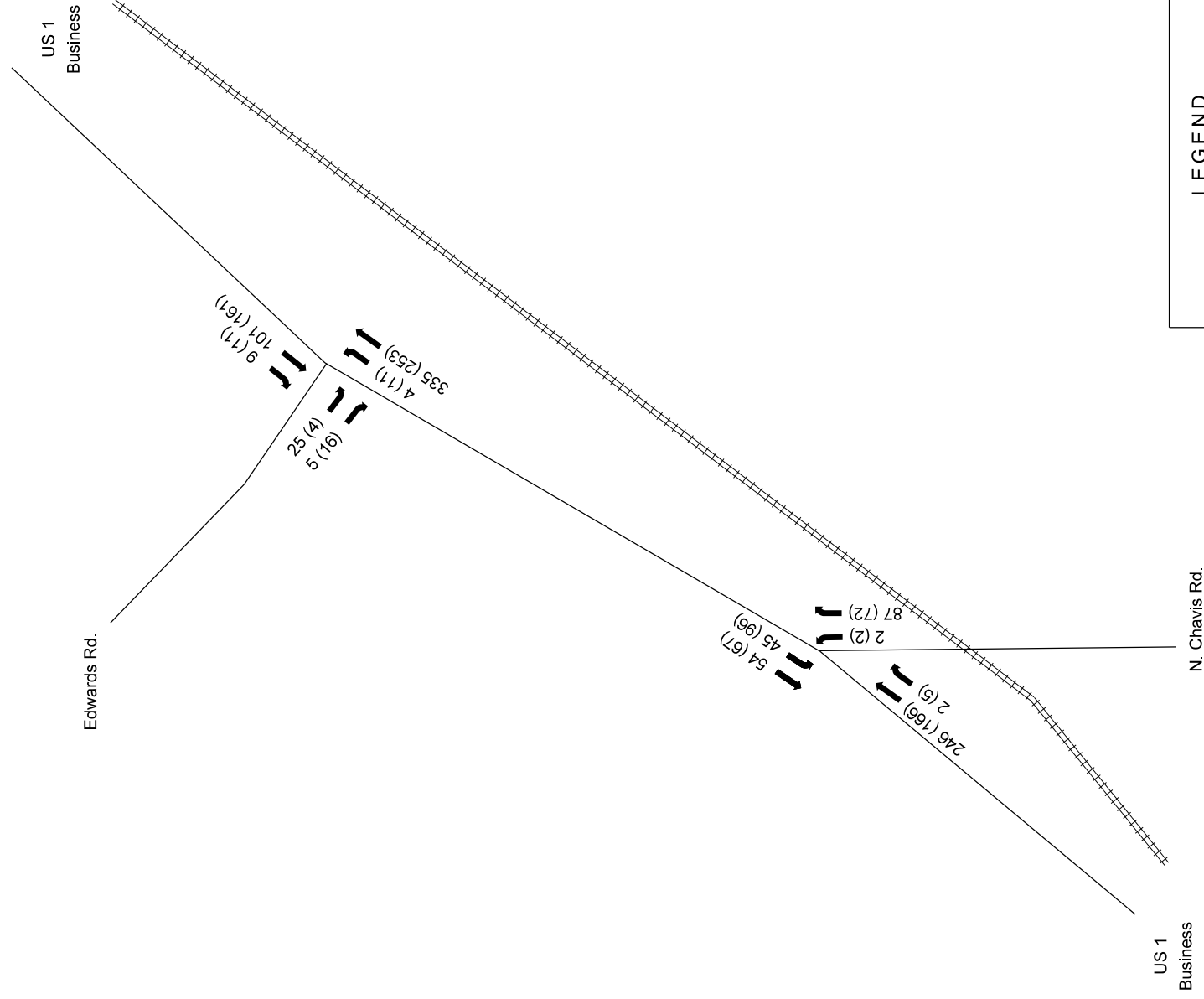
LEGEND	
	# OF LANES
	EXISTING RAIL LOCATION
	STOP SIGN

DATE: MARCH 2013
SCALE: NOT TO SCALE

SEHSR
Kittrell, NC
Existing Laneage



FIGURE 47



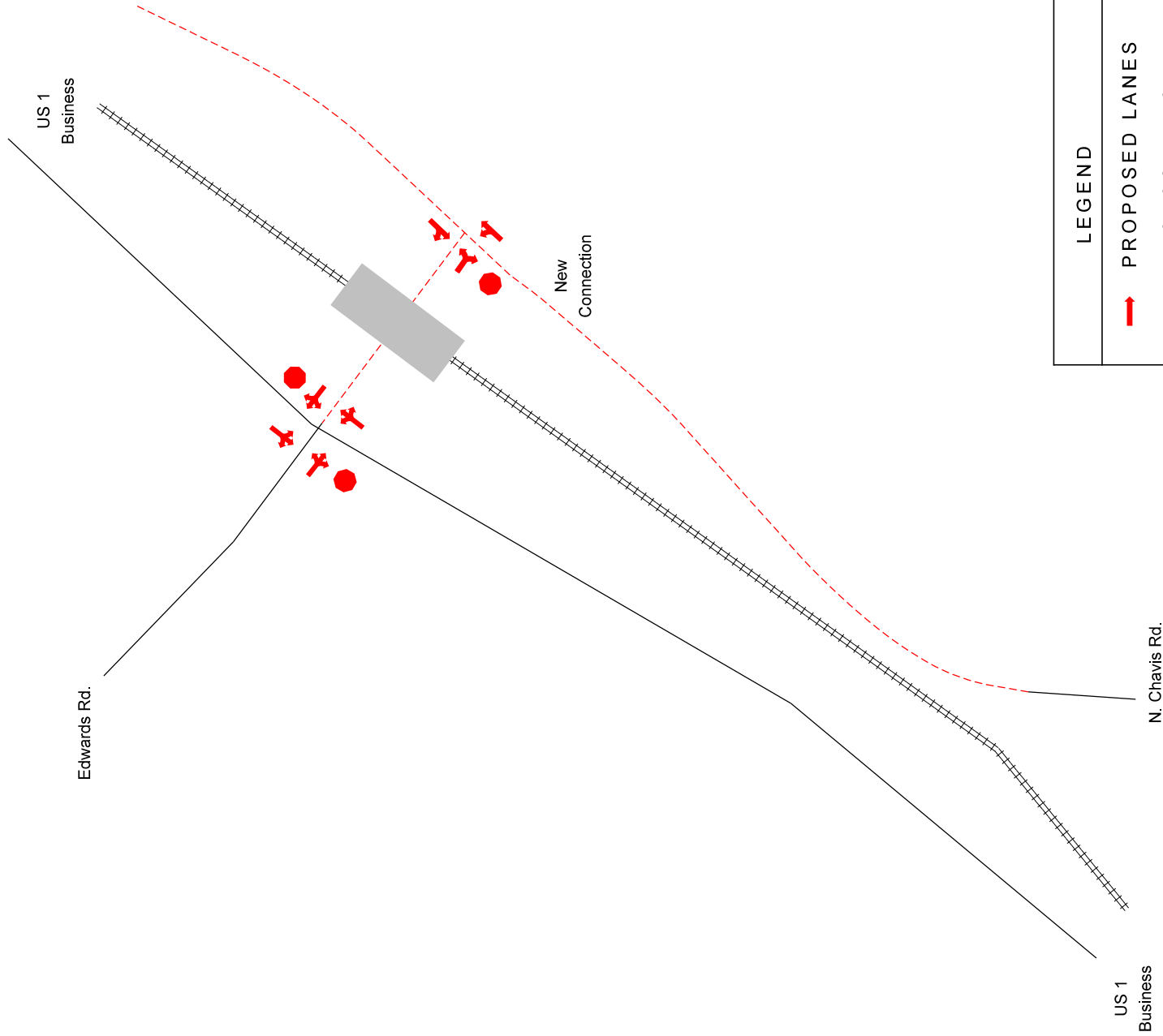
LEGEND	
AM (PM)	PEAK HOUR VOLUMES
#####	EXISTING RAIL LOCATION

SEHSR
 Kittrell, NC
 2030 No Build Volumes

DATE: MARCH 2013
 SCALE: NOT TO SCALE

FIGURE 48





DATE: MARCH 2013

SCALE: NOT TO SCALE

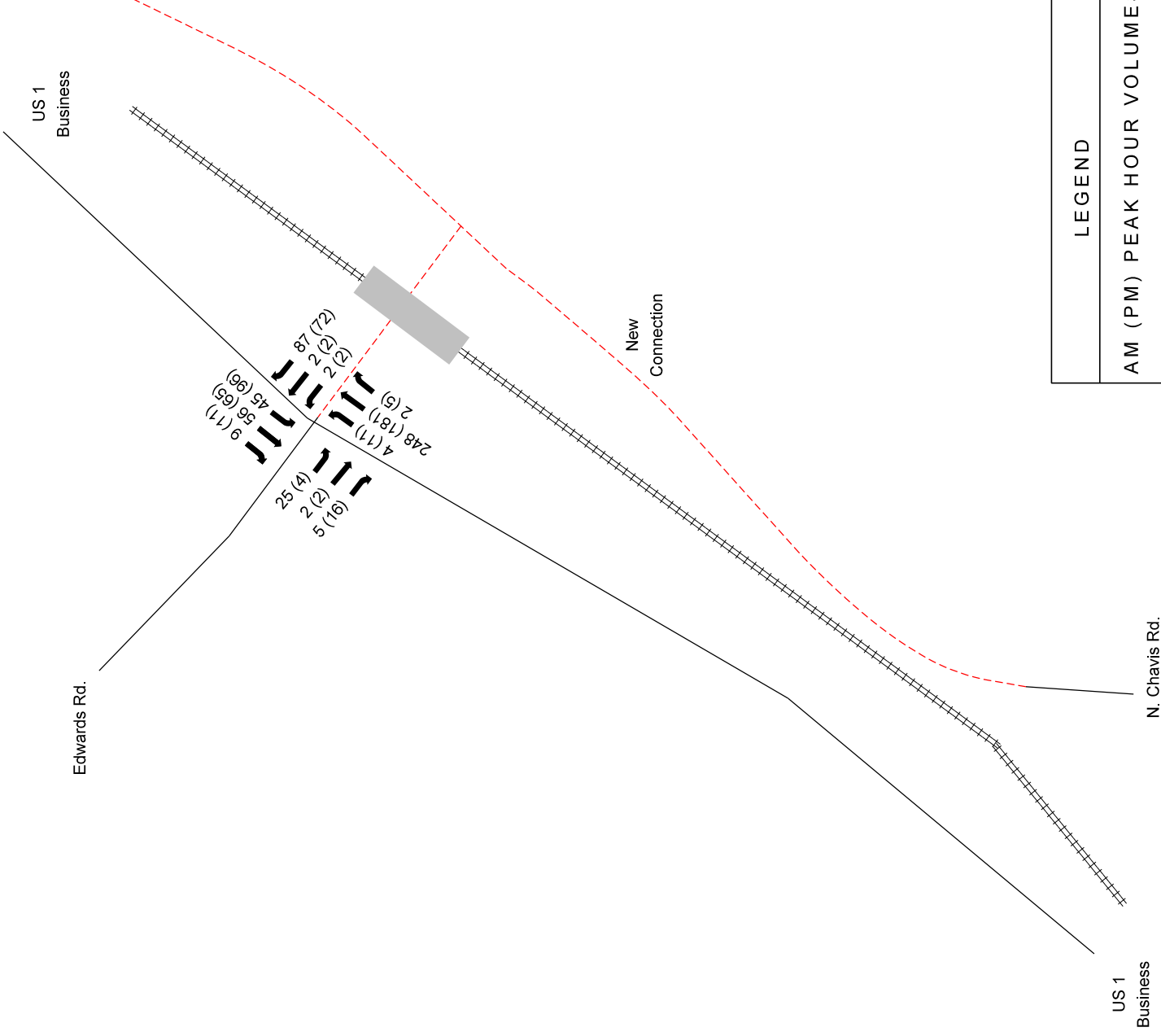
SEHSR
Kittrell, NC
2030 Build Laneage

PREPARED BY:



Hatch Mott
MacDonald

FIGURE 49



LEGEND	
AM (PM) PEAK HOUR VOLUMES	
-----	PROPOSED ROADWAY
#####	PROPOSED SEHSR LOCATION

DATE: MARCH 2013
SCALE: NOT TO SCALE

SEHSR
Kittrell, NC
2030 Build Volumes



FIGURE 50

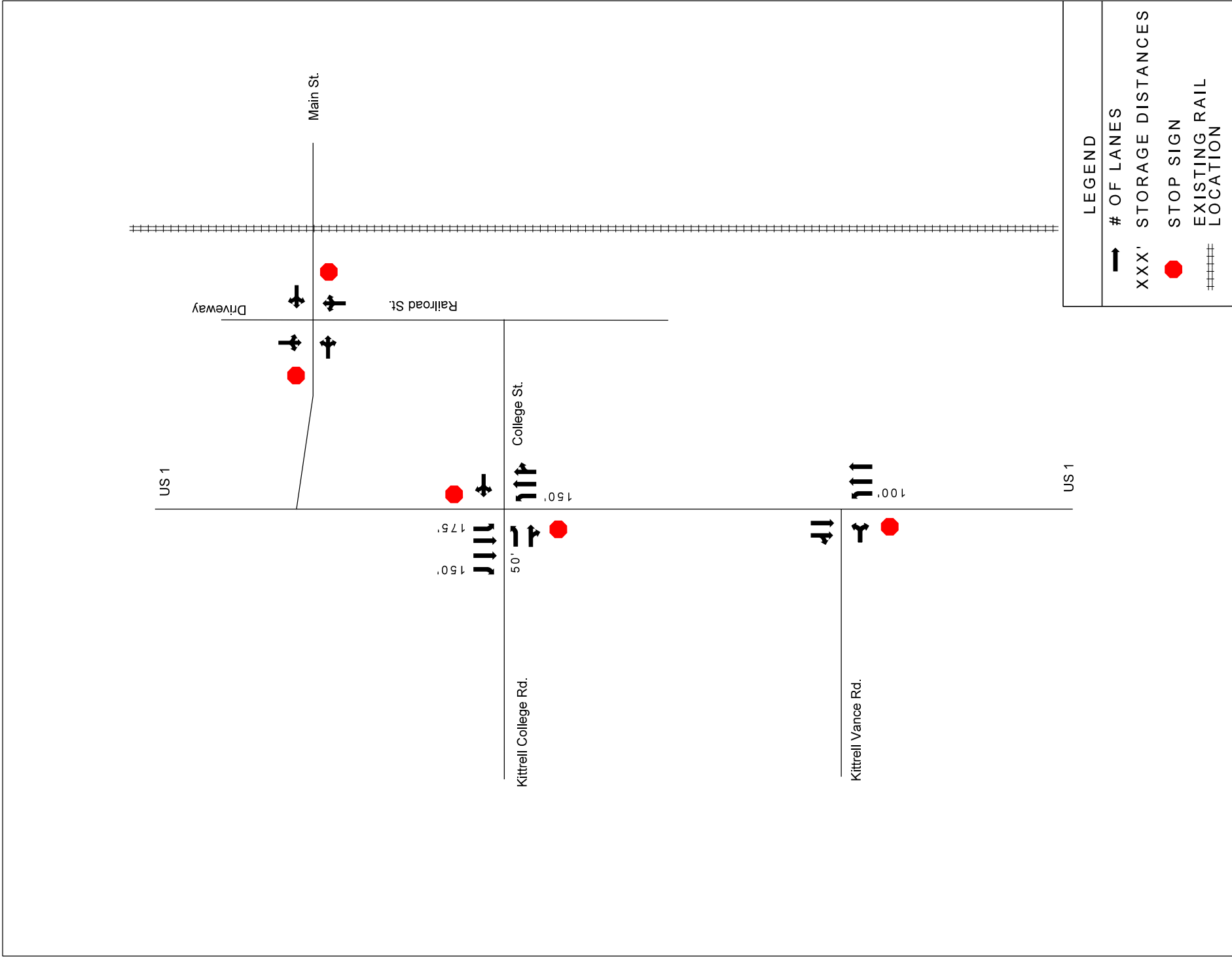
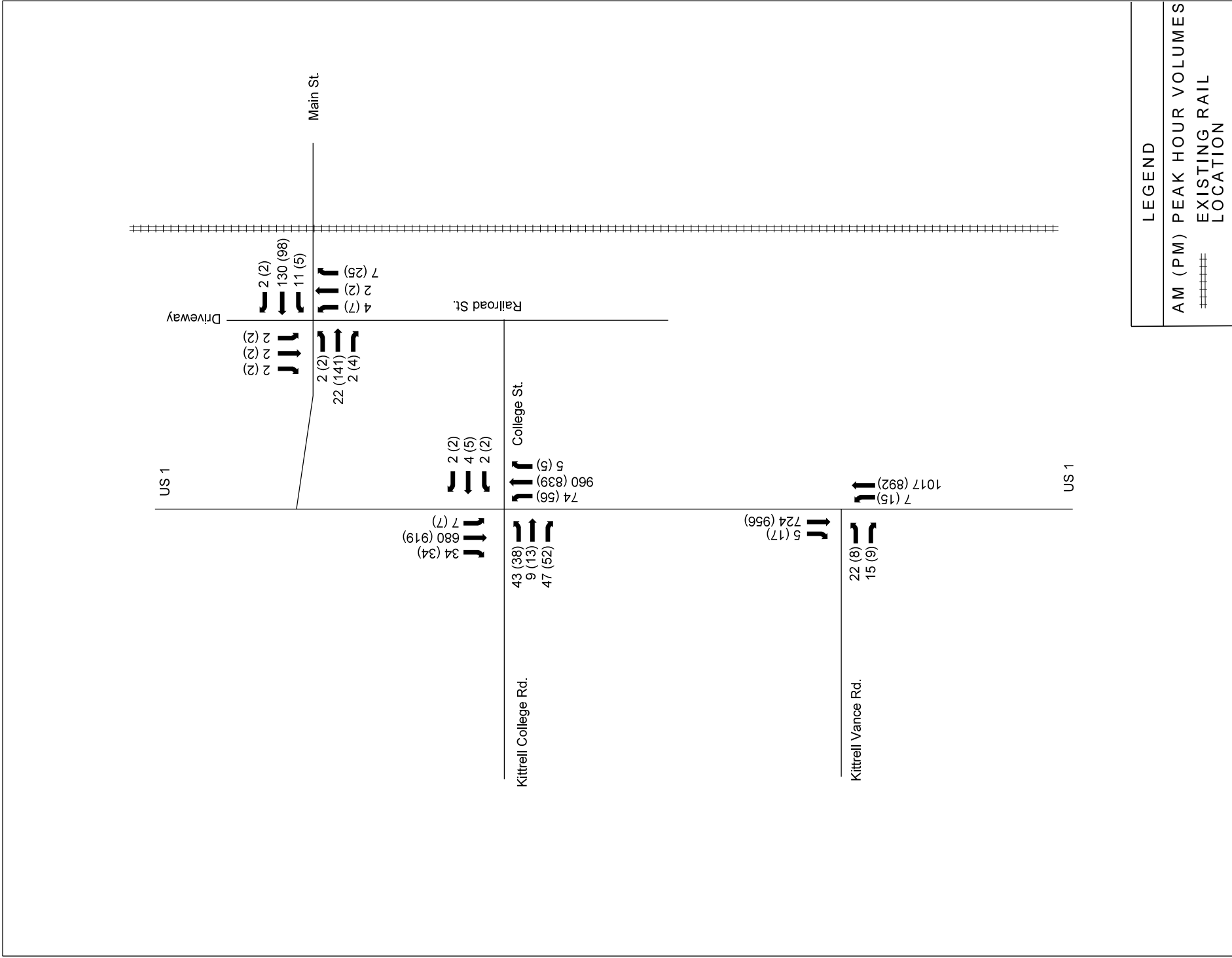


FIGURE 51

DATE: MARCH 2013

SCALE: NOT TO SCALE

SEHSR
Kittrell, NC
Existing Laneage

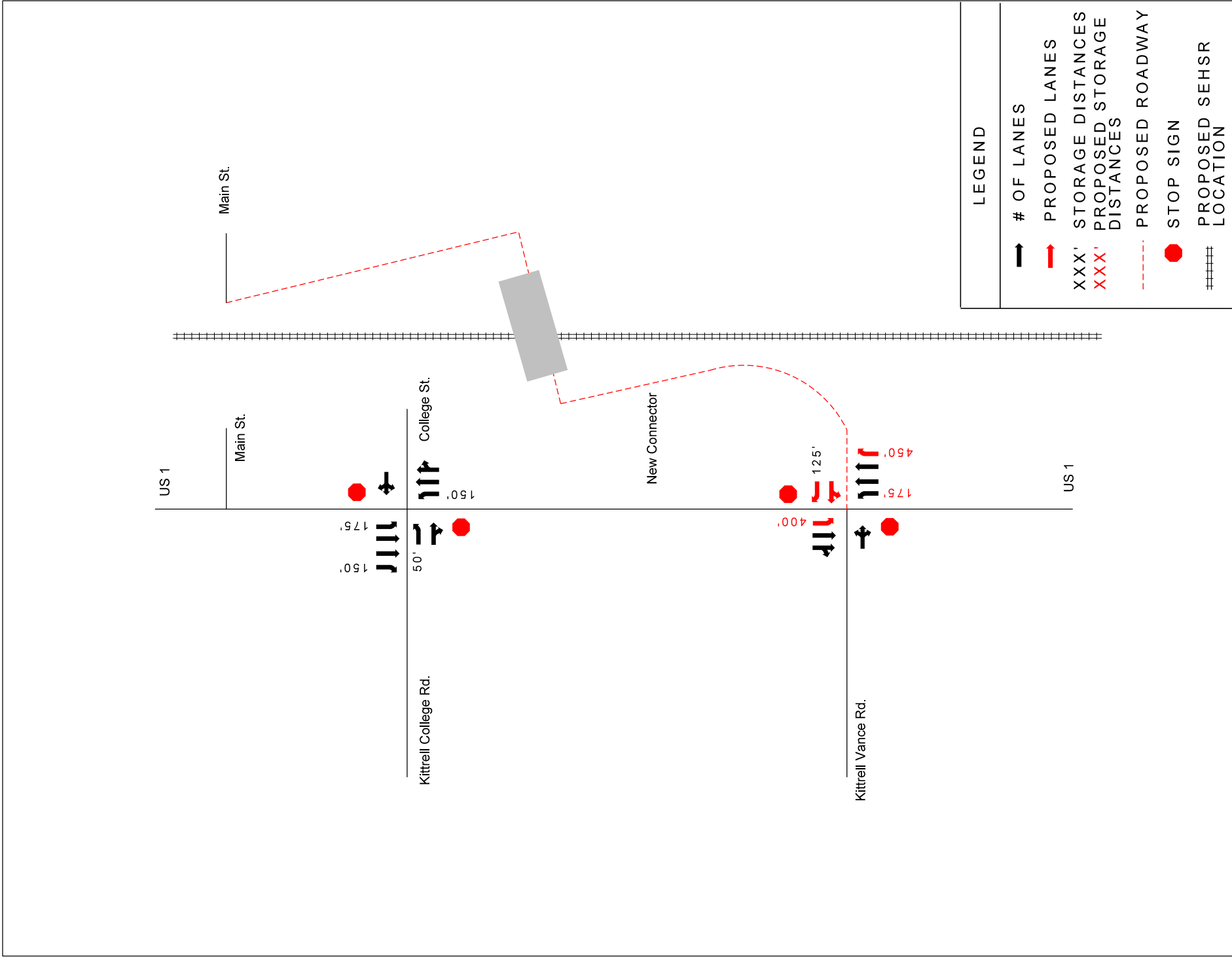


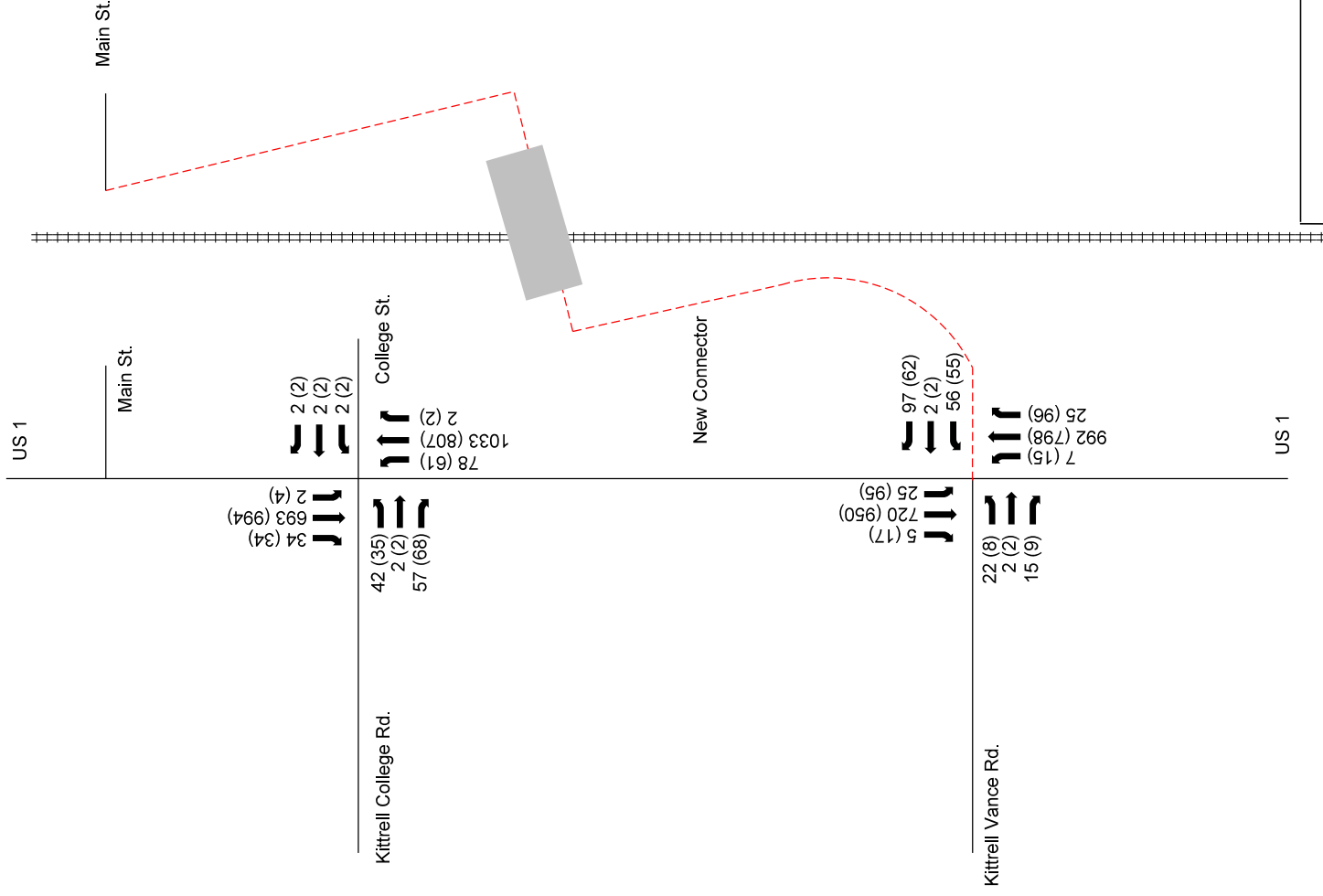
LEGEND
 AM (PM) PEAK HOUR VOLUMES
 ##### EXISTING RAIL LOCATION

FIGURE 52

SEHSR
 Kirtrell, NC
 2030 No Build Volumes







LEGEND

AM (PM) PEAK HOUR VOLUMES

PROPOSED ROADWAY

PROPOSED SEHSR LOCATION

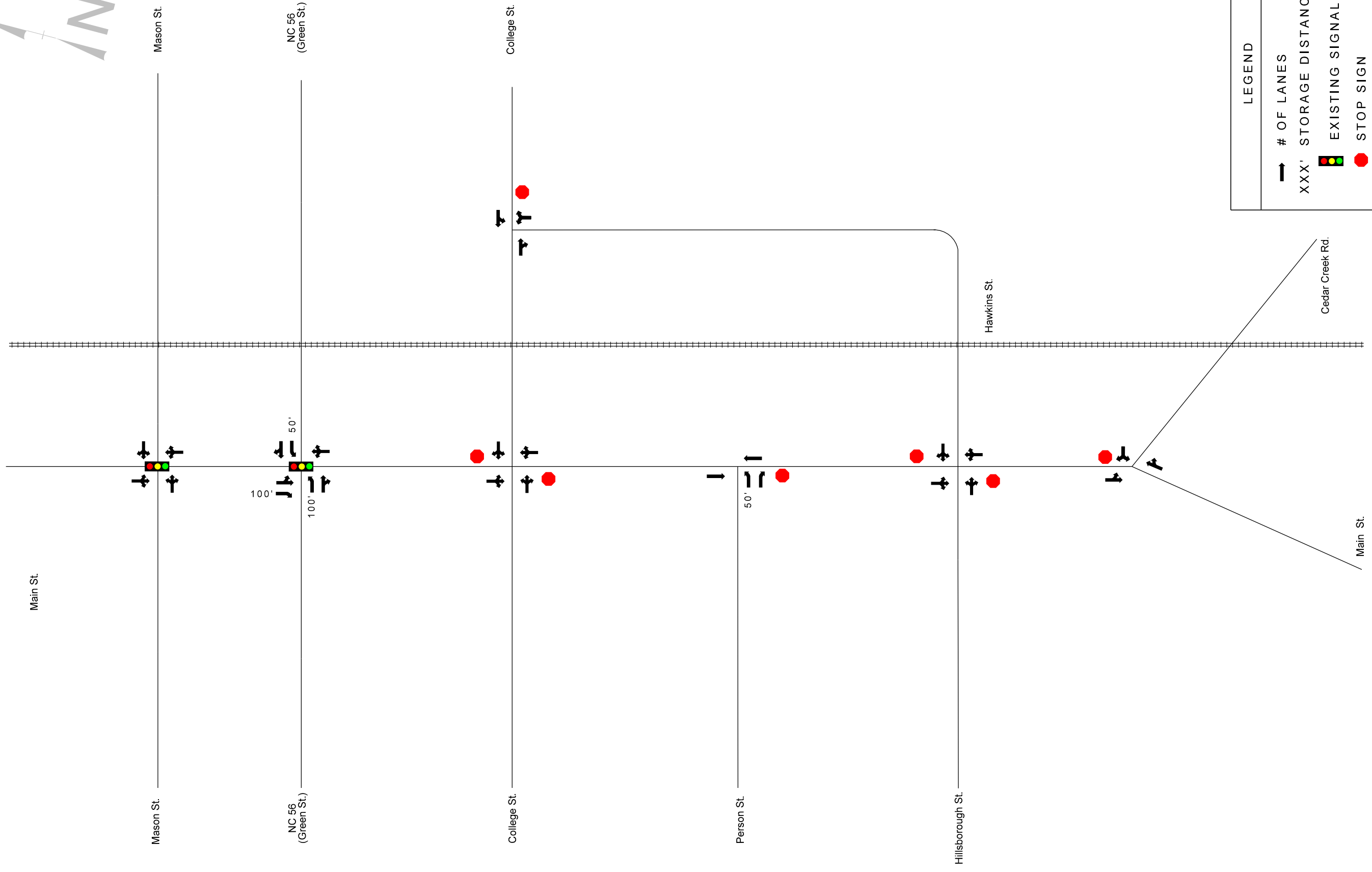
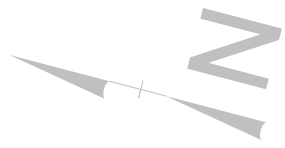


SEHSR
Kittrell, NC
2030 Build Volumes

DATE: MARCH 2013

SCALE: NOT TO SCALE

FIGURE 54



LEGEND	
	# OF LANES
XXX'	STORAGE DISTANCES
	EXISTING SIGNAL
	STOP SIGN
	EXISTING RAIL LOCATION

PREPARED BY:

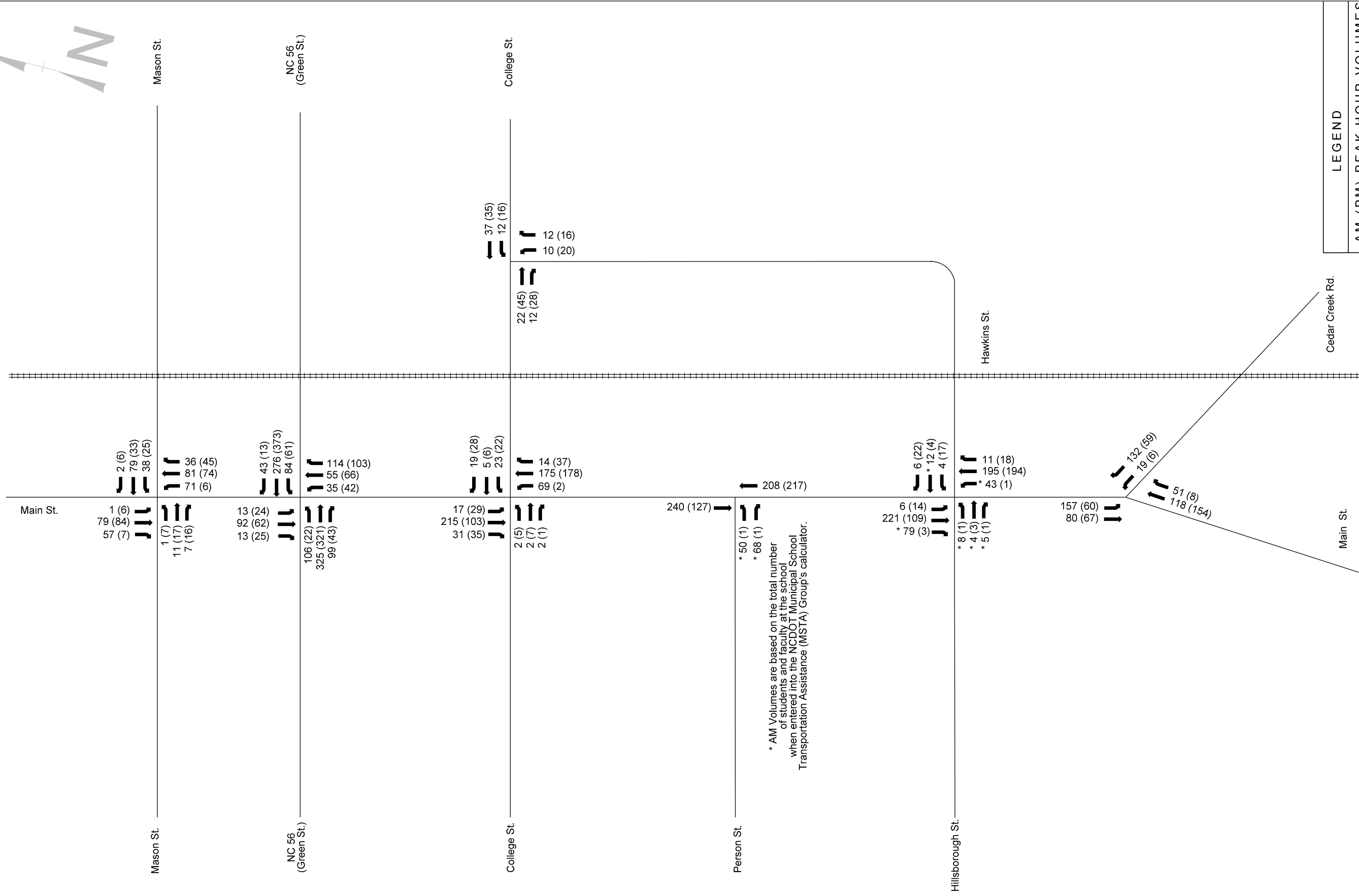
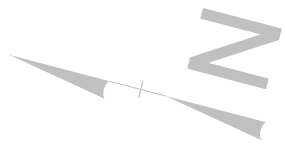


SEHSR
Franklinton, NC
Existing Laneage

DATE: MARCH 2013

SCALE: NOT TO SCALE

FIGURE 55



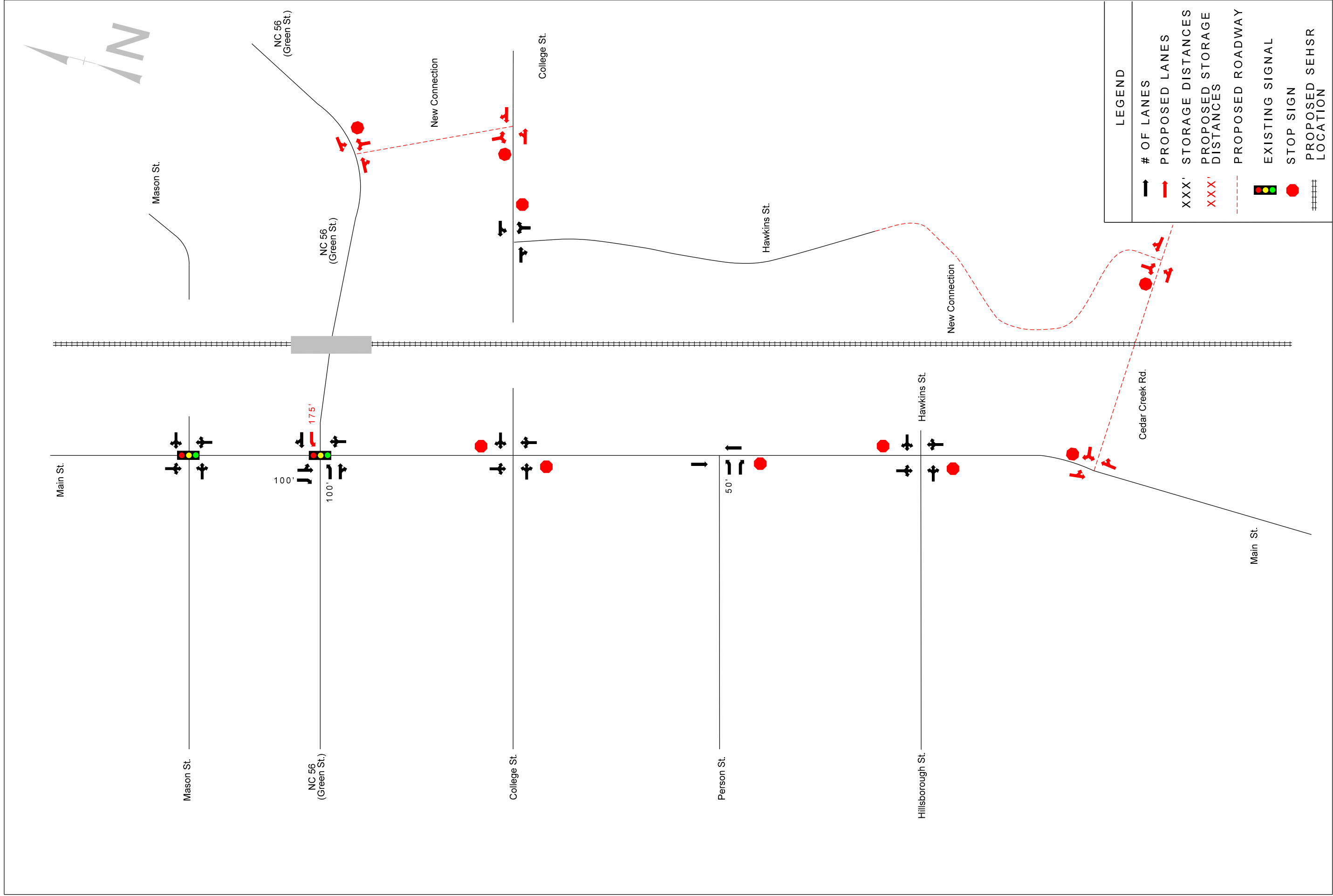
* AM Volumes are based on the total number of students and faculty at the school when entered into the NCDOT Municipal School Transportation Assistance (MSTA) Group's calculator.

DATE: MARCH 2013
SCALE: NOT TO SCALE

FIGURE 56
SEHSR
Franklinton, NC
2030 No Build Volumes



PREPARED BY:



DATE: MARCH 2013

SCALE: NOT TO SCALE

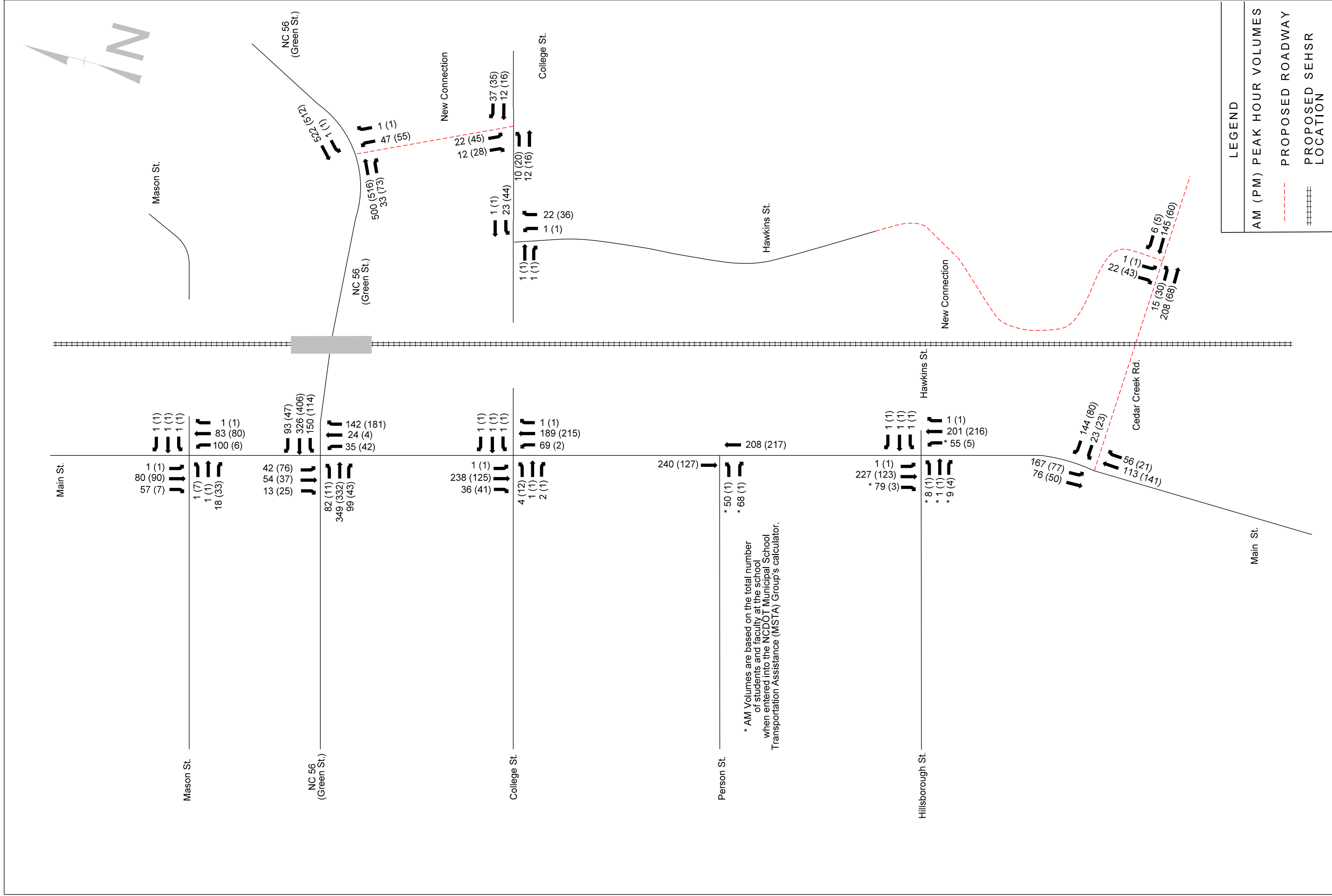
SEHSR
Franklinton, NC
2030 Build Laneage

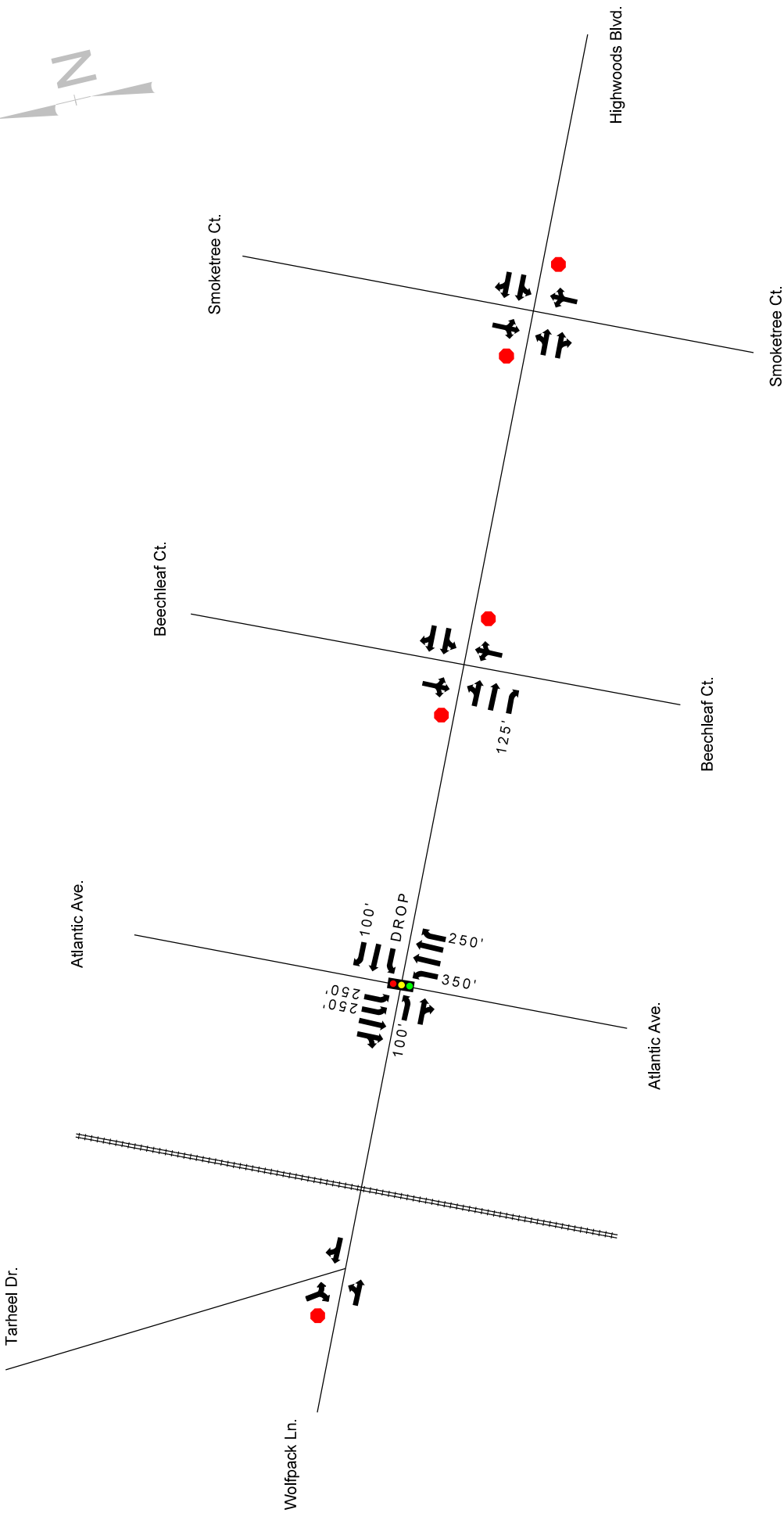
PREPARED BY:



Hatch Mott
MacDonald

FIGURE 57





LEGEND	
→	# OF LANES
XXX'	STORAGE DISTANCES
	EXISTING SIGNAL
	STOP SIGN
#####	EXISTING RAIL LOCATION

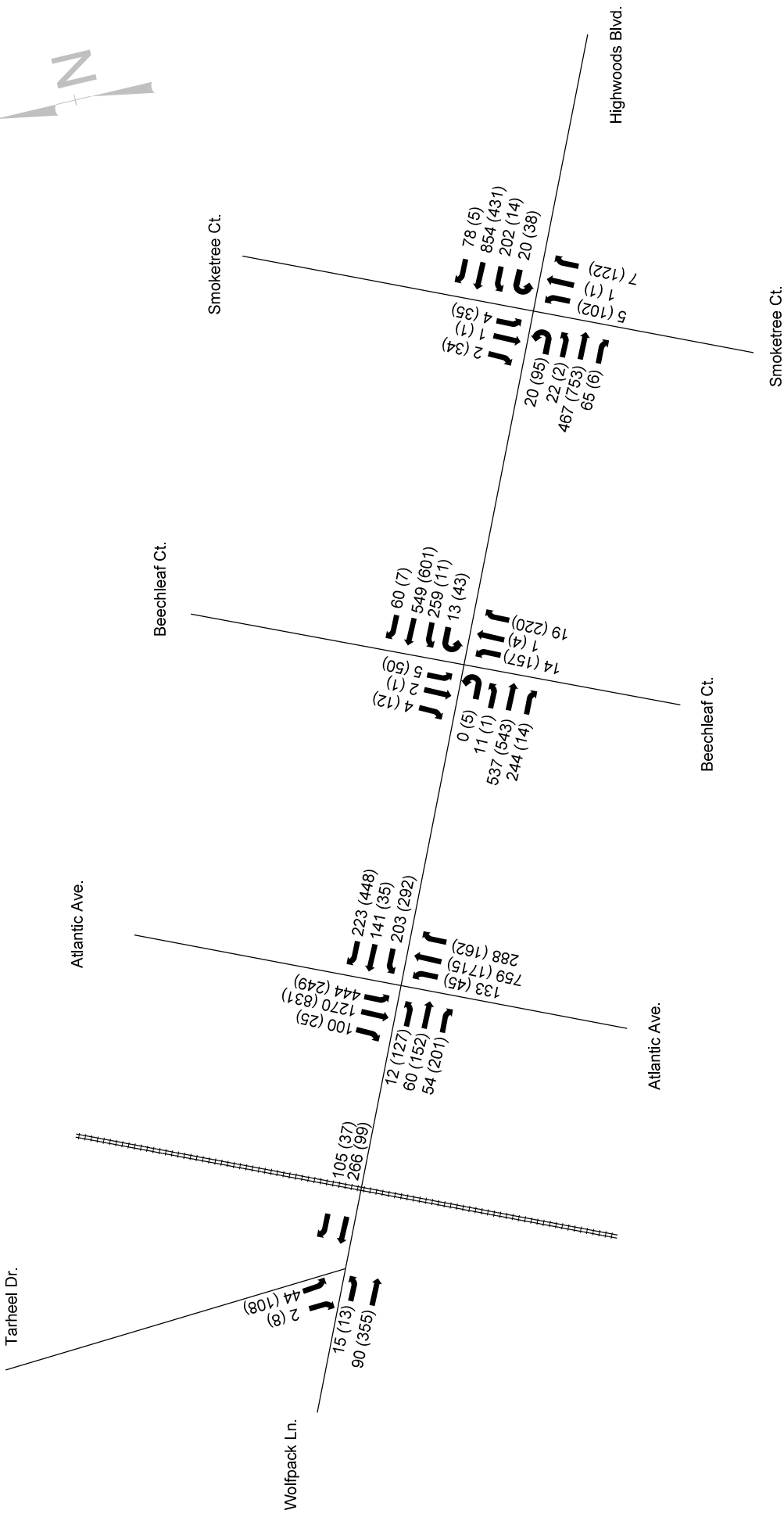


SEHSR
Raleigh, NC
Existing Laneage

DATE: MARCH 2013

SCALE: NOT TO SCALE

FIGURE 59



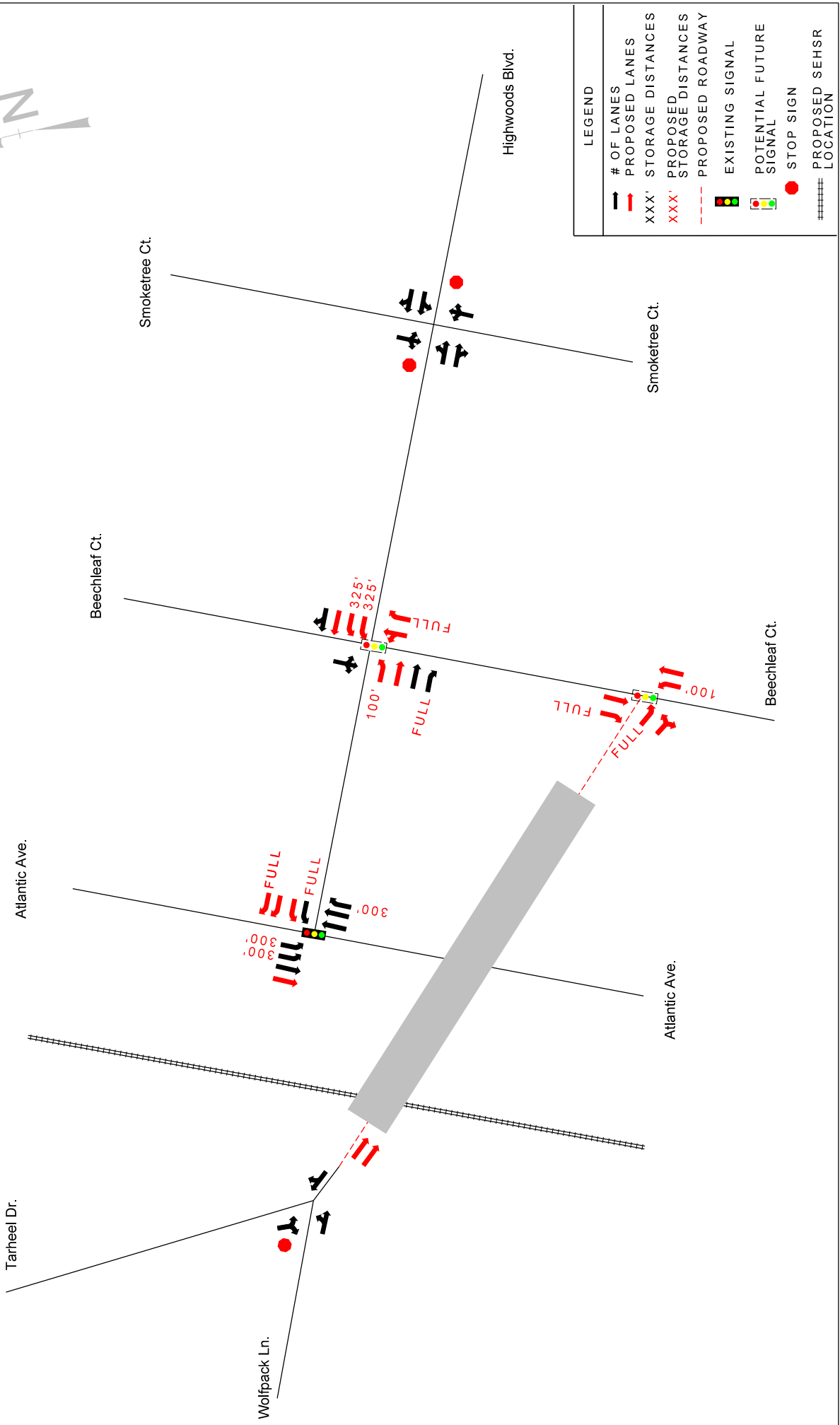
LEGEND
 AM (PM) PEAK HOUR VOLUMES
 =====
 EXISTING RAIL
 LOCATION



SEHSR
 Raleigh, NC
 2030 No Build Volumes

DATE: MARCH 2013
 SCALE: NOT TO SCALE

FIGURE 60



LEGEND

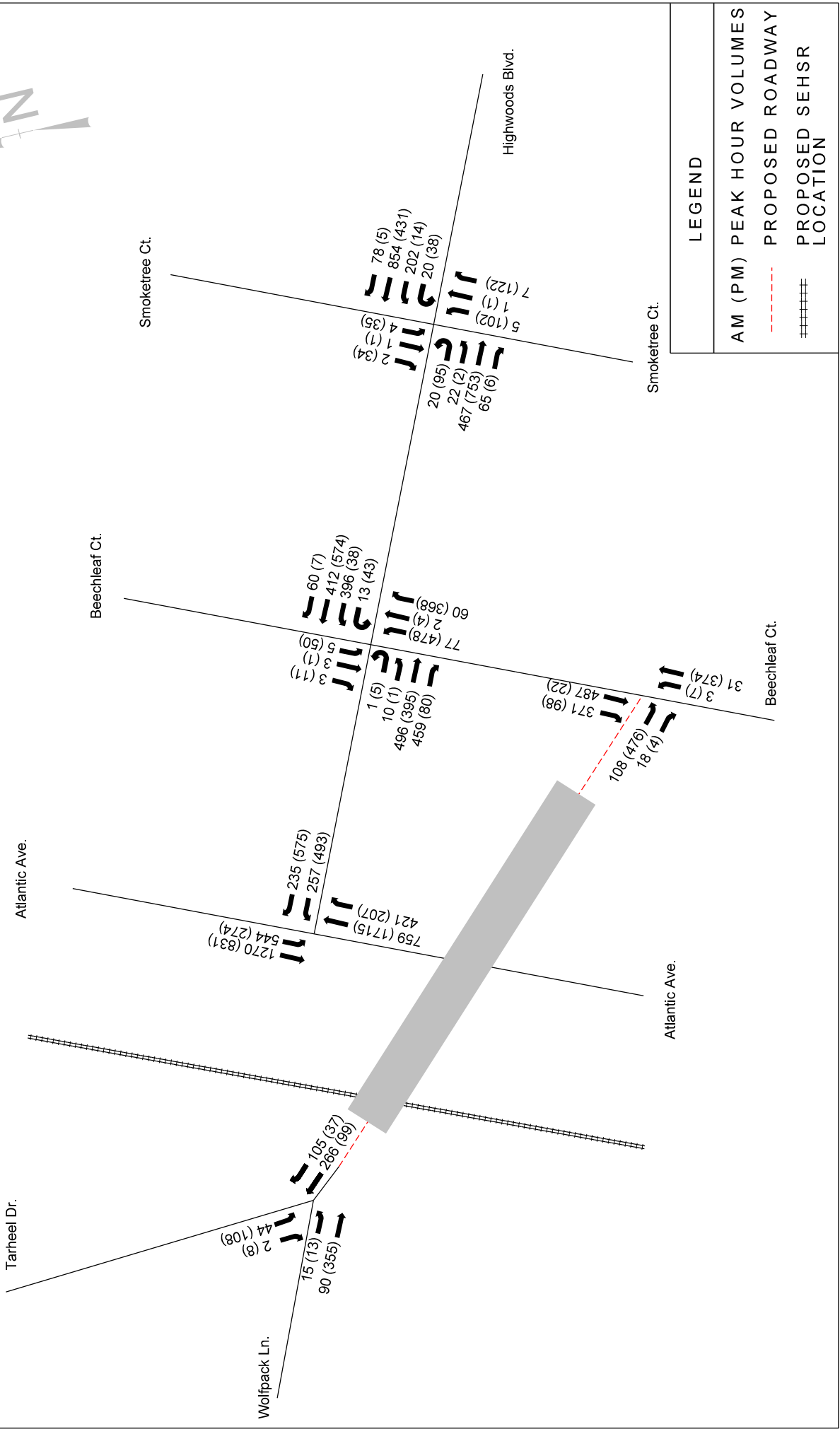
	# OF LANES
	PROPOSED LANES
XXX'	STORAGE DISTANCES
XXX'	PROPOSED STORAGE DISTANCES
- - - - -	PROPOSED ROADWAY
	EXISTING SIGNAL
	POTENTIAL FUTURE SIGNAL
	STOP SIGN
	PROPOSED SEHSR LOCATION



SEHSR
Raleigh, NC
2030 Build Laneage

DATE: MARCH 2013
SCALE: NOT TO SCALE

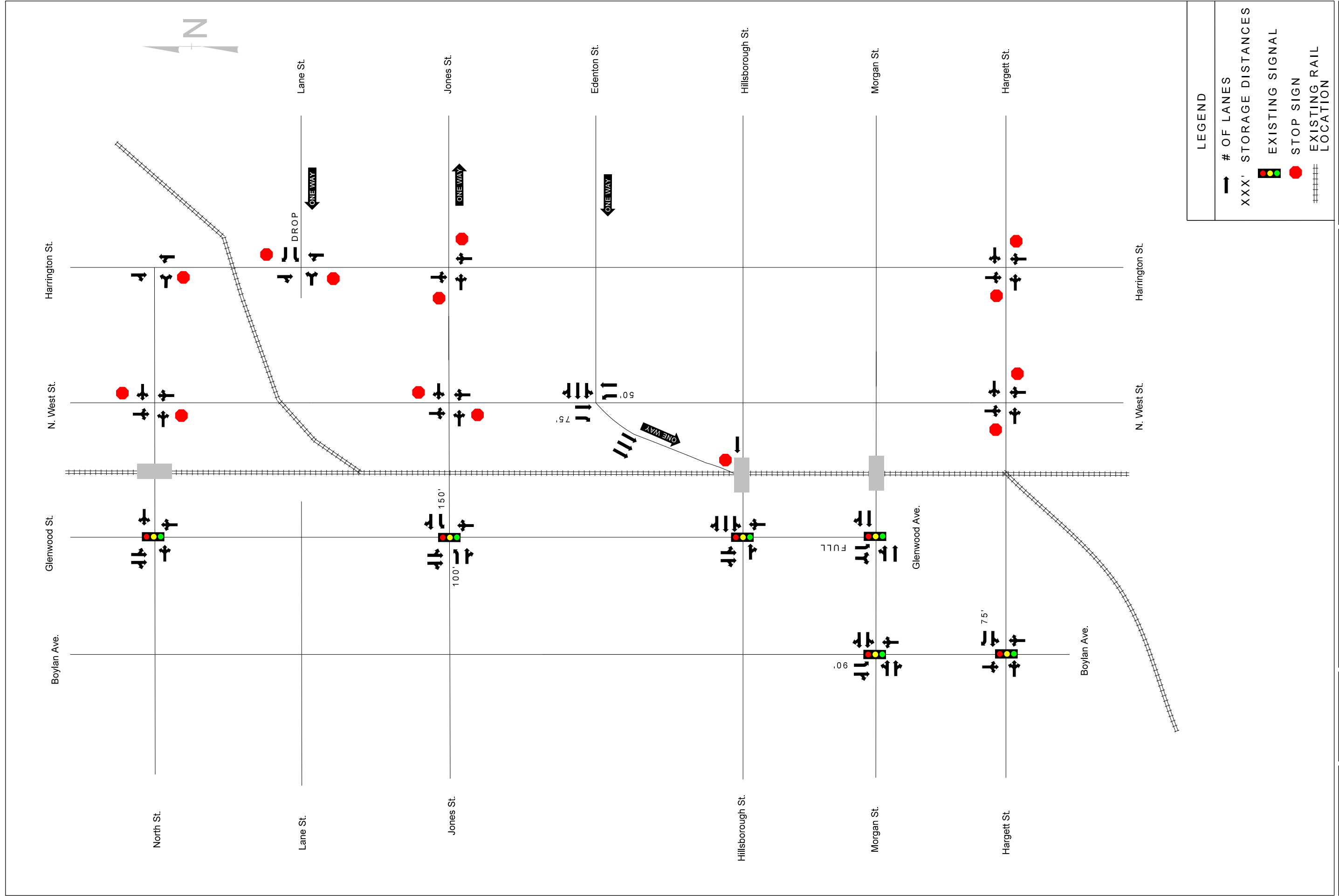
FIGURE 61



SEHSR
Raleigh, NC
2030 Build Volumes

DATE: MARCH 2013
SCALE: NOT TO SCALE

FIGURE 62



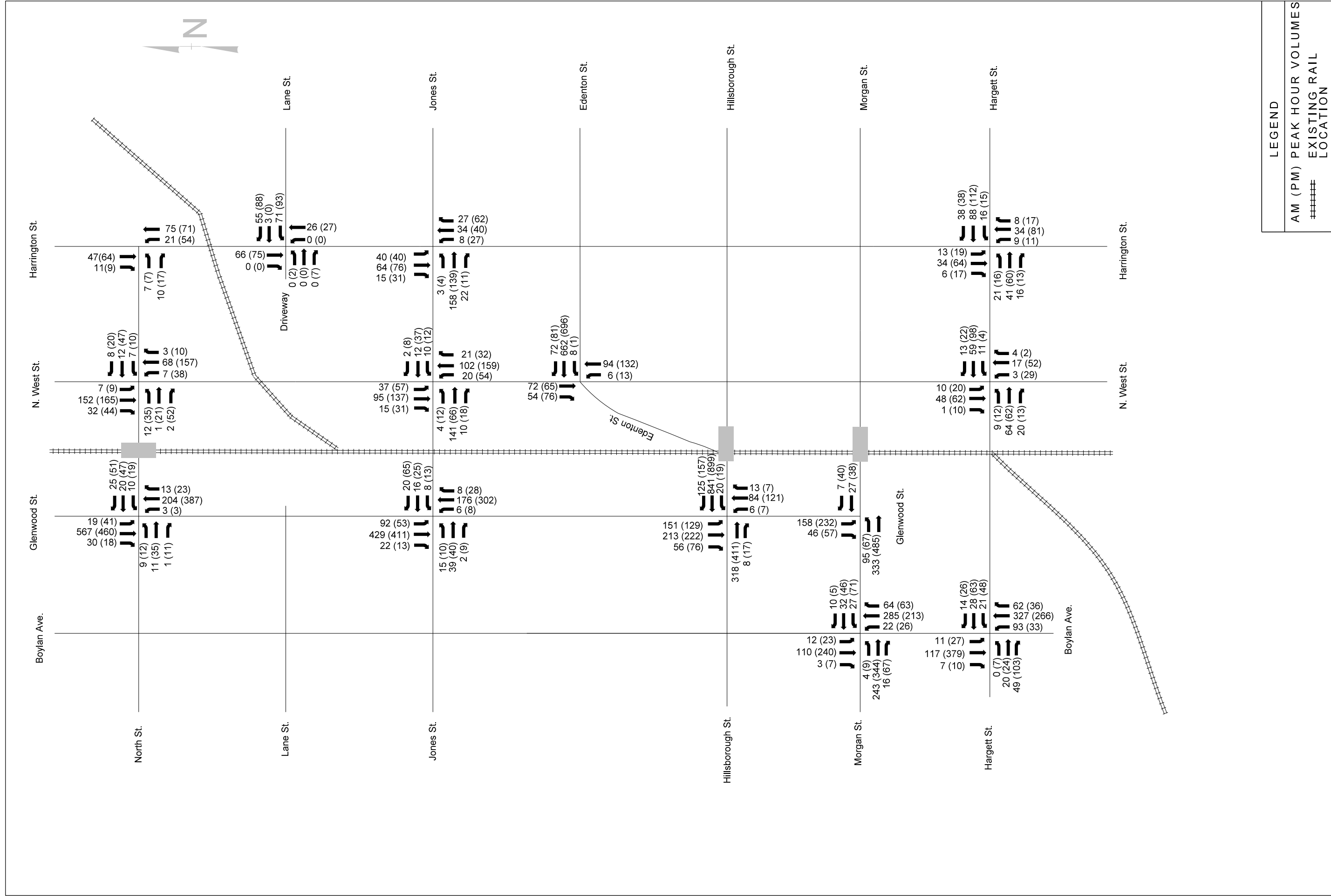
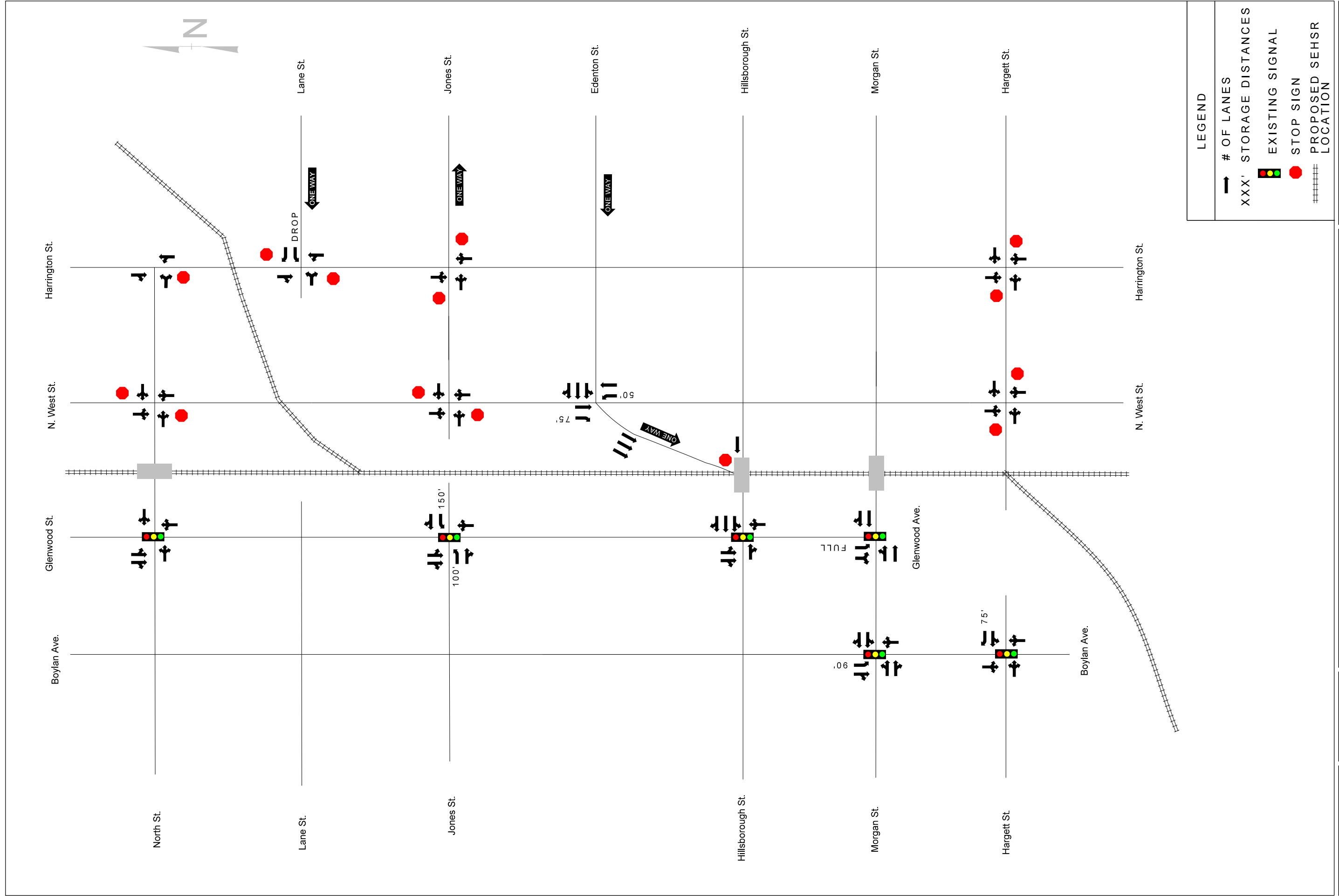


FIGURE 64

SEHSR Raleigh, NC
2030 No Build Volumes

DATE: MARCH 2013
SCALE: NOT TO SCALE

PREPARED BY: Hatch Mott MacDonald



LEGEND

	# OF LANES
XXX'	STORAGE DISTANCES
	EXISTING SIGNAL
	STOP SIGN
-----	PROPOSED SEHSR LOCATION

SEHSR
Raleigh, NC
2030 Build Laneage

DATE: MARCH 2013
SCALE: NOT TO SCALE

FIGURE 65



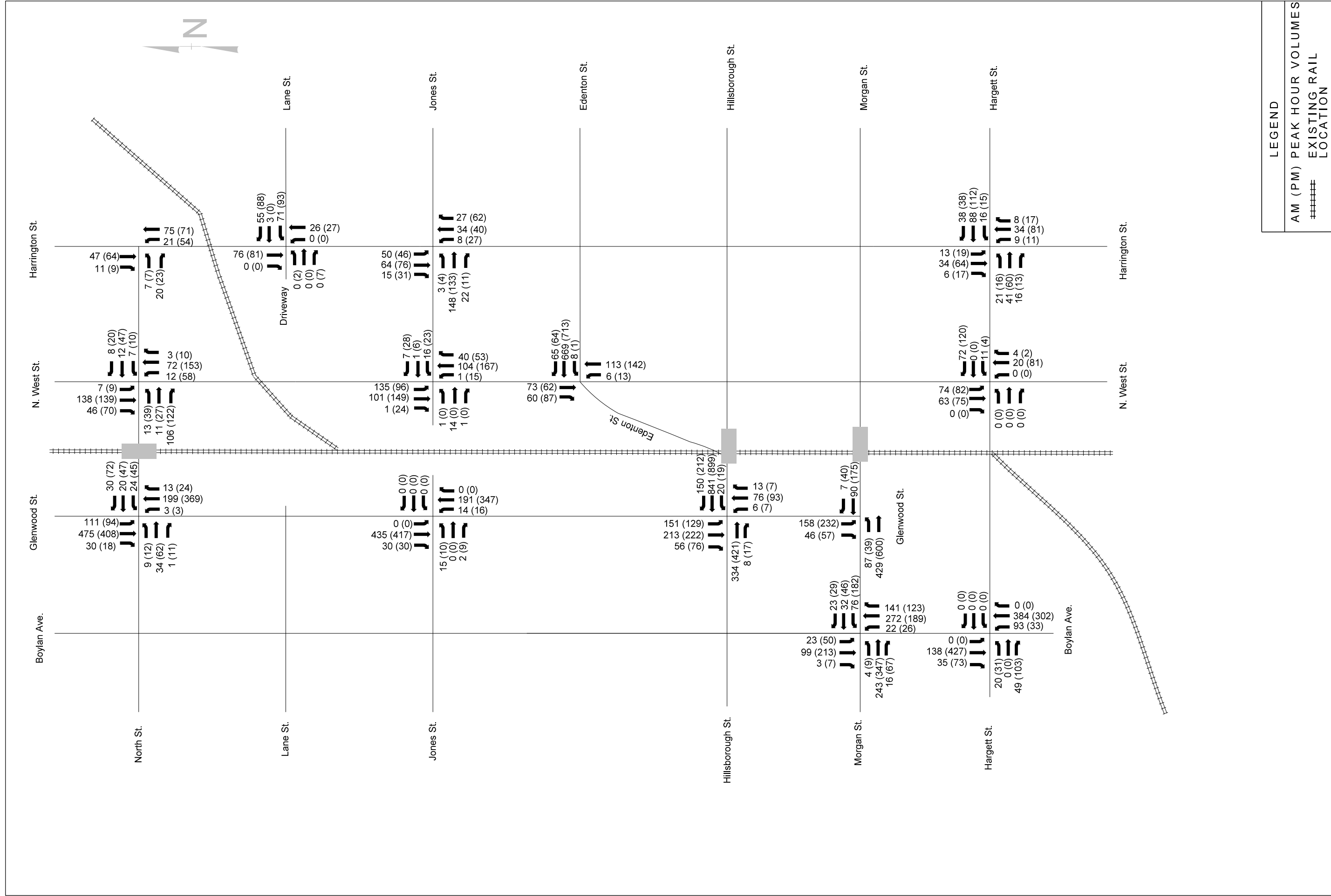


FIGURE 66

SEHSR Raleigh, NC 2030 Build Volumes

DATE: MARCH 2013

SCALE: NOT TO SCALE

PREPARED BY: Hatch Mott MacDonald