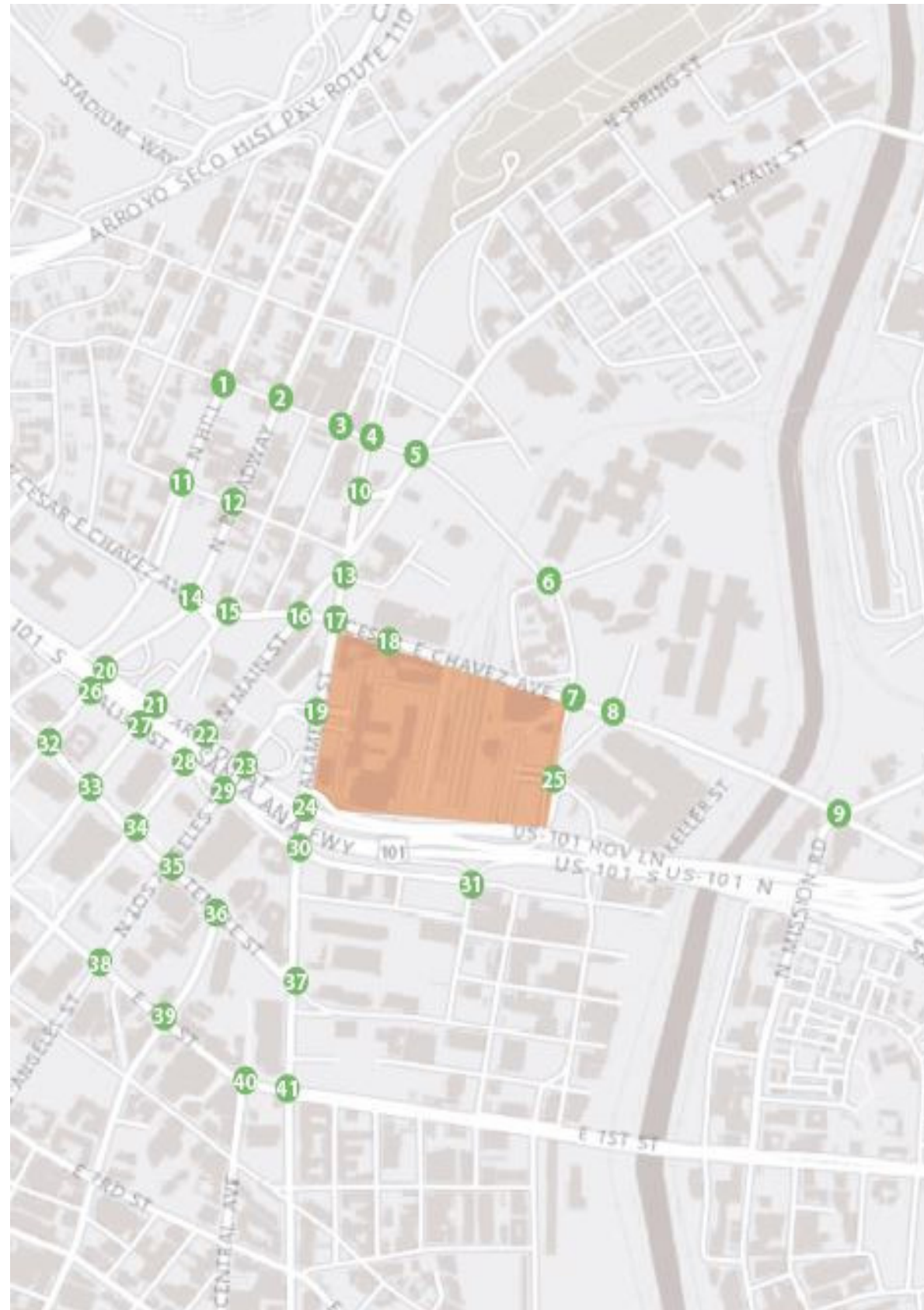


APPENDIX H-4: INTERSECTION VOLUMES AND GEOMETRIES

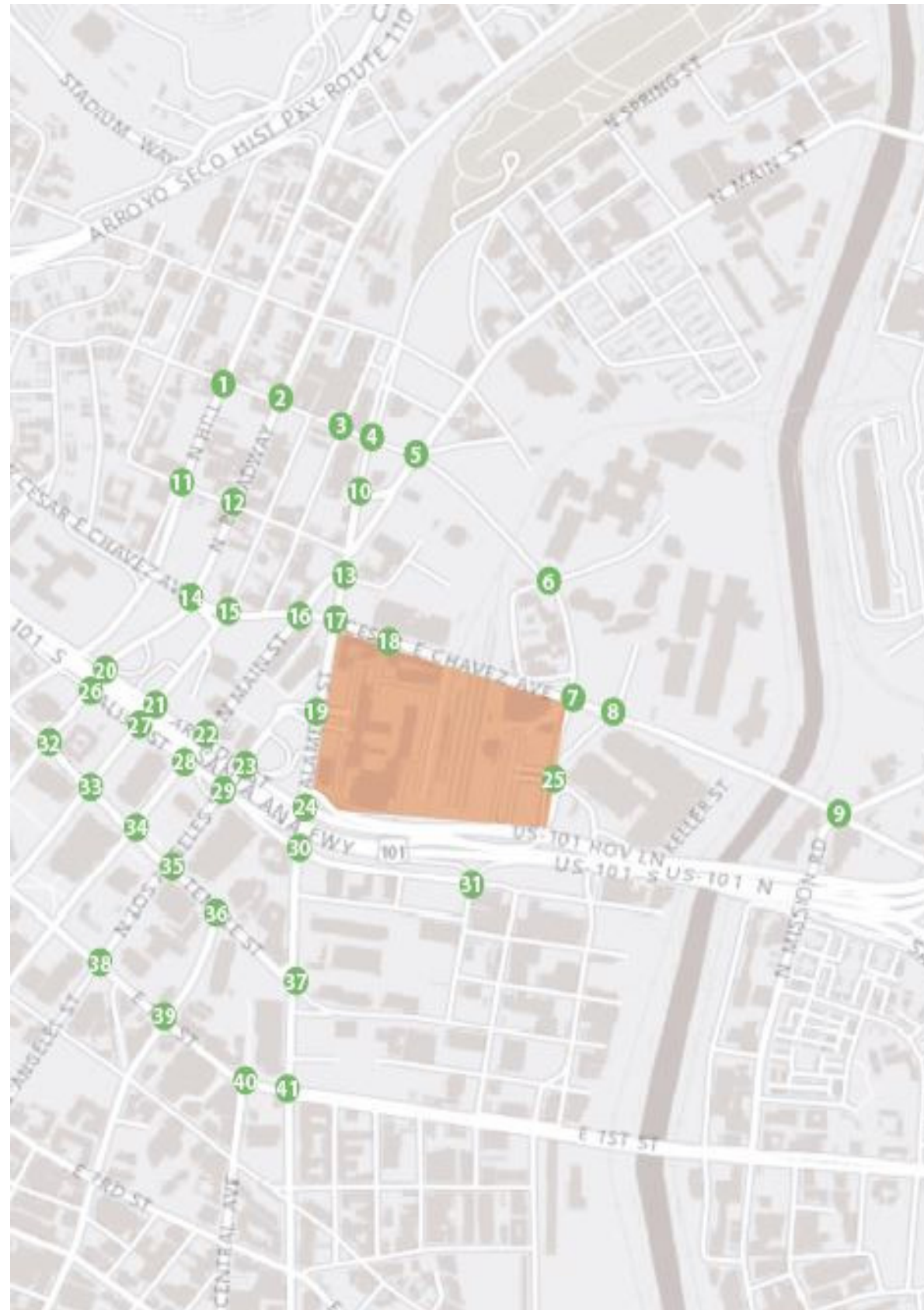
Overview of Changes:
Page 20-25 replaces 1782-1787



1. Hill Street/Alpine St 	2. Broadway/Alpine St 	3. Spring/Alpine St
4. Alameda/Alpine St 	5. Main/Alpine St 	6. Vignes/Bauchet
7. Vignes/Cesar E. Chavez Ave 	8. Lyon/Cesar E. Chavez Ave 	9. Mission/Cesar E. Chavez Ave
10. Alameda/Alhambra 	11. Hill/Ord 	12. Broadway/Ord
13. Alameda/Main 	14. Broadway/Cesar E. Chavez Ave 	15. Spring/Cesar E. Chavez Ave

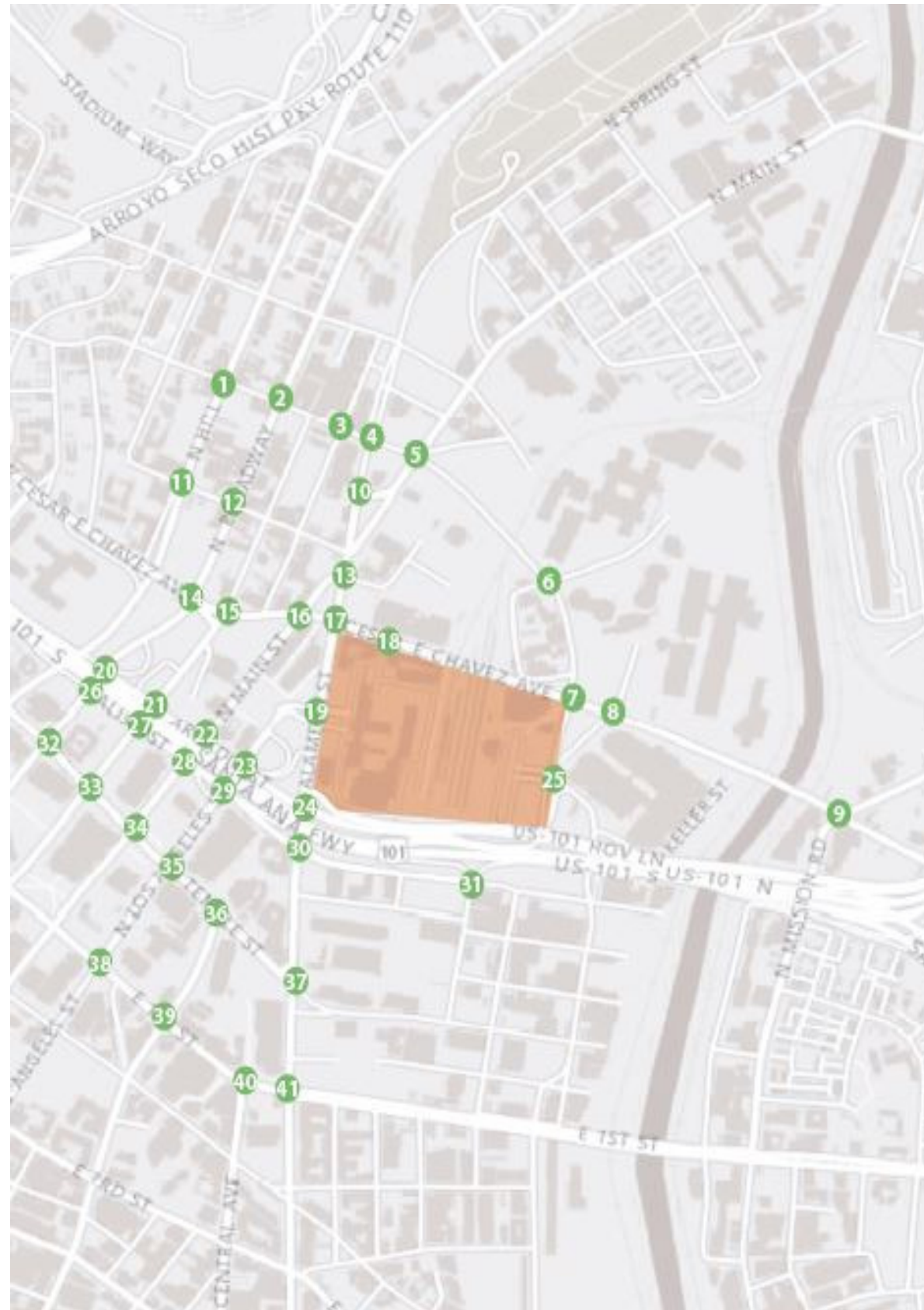


Peak Hour Traffic Volumes and Lane Configurations – Existing Conditions



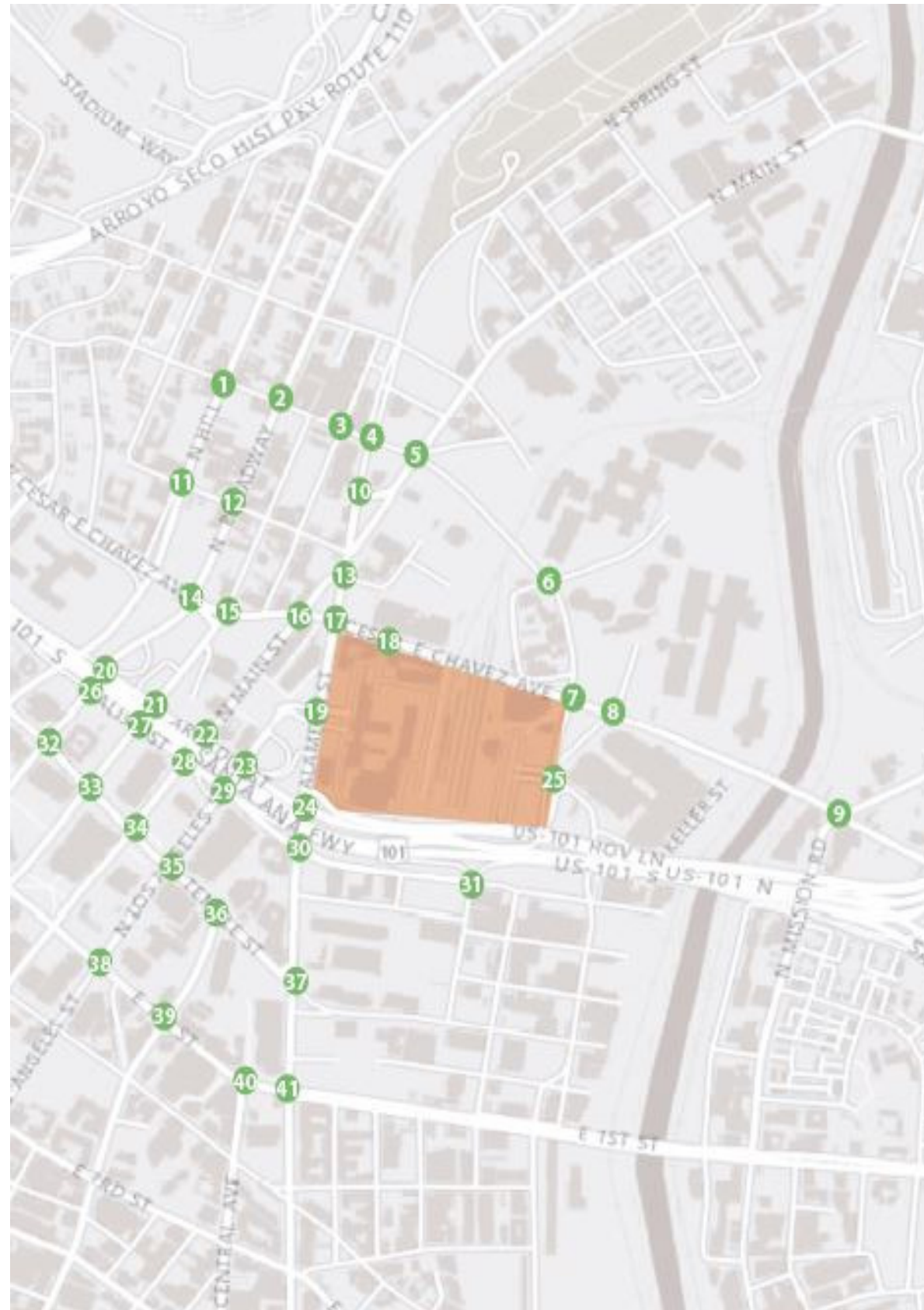
<p>16. Main/Cesar E. Chavez Ave</p>	<p>17. Alameda/Cesar E. Chavez Ave</p>	<p>18. Union Station Driveway/Cesar E. Chavez Ave</p>
<p>19. Alameda/Los Angeles St</p>	<p>20. Broadway/Arcadia St</p>	<p>21. Spring/Arcadia St</p>
<p>22. Main/Arcadia St</p>	<p>23. Los Angeles/Arcadia St</p>	<p>24. Alameda/Arcadia St</p>
<p>25. Vignes/Ramirez St</p>	<p>26. Broadway/Aliso</p>	<p>27. Spring/Aliso</p>
<p>28. Main/Aliso</p>	<p>29. Los Angeles/Aliso</p>	<p>30. Alameda/Aliso</p>





31. US 101 Ramps/Commercial 	32. Broadway/Temple 	33. Spring/Temple
34. Main/Temple 	35. Los Angeles/Temple 	36. San Pedro/Temple
37. Alameda/Temple 	38. Los Angeles/1st 	39. San Pedro/1st
40. Central/1st 	41. Alameda/1st 	



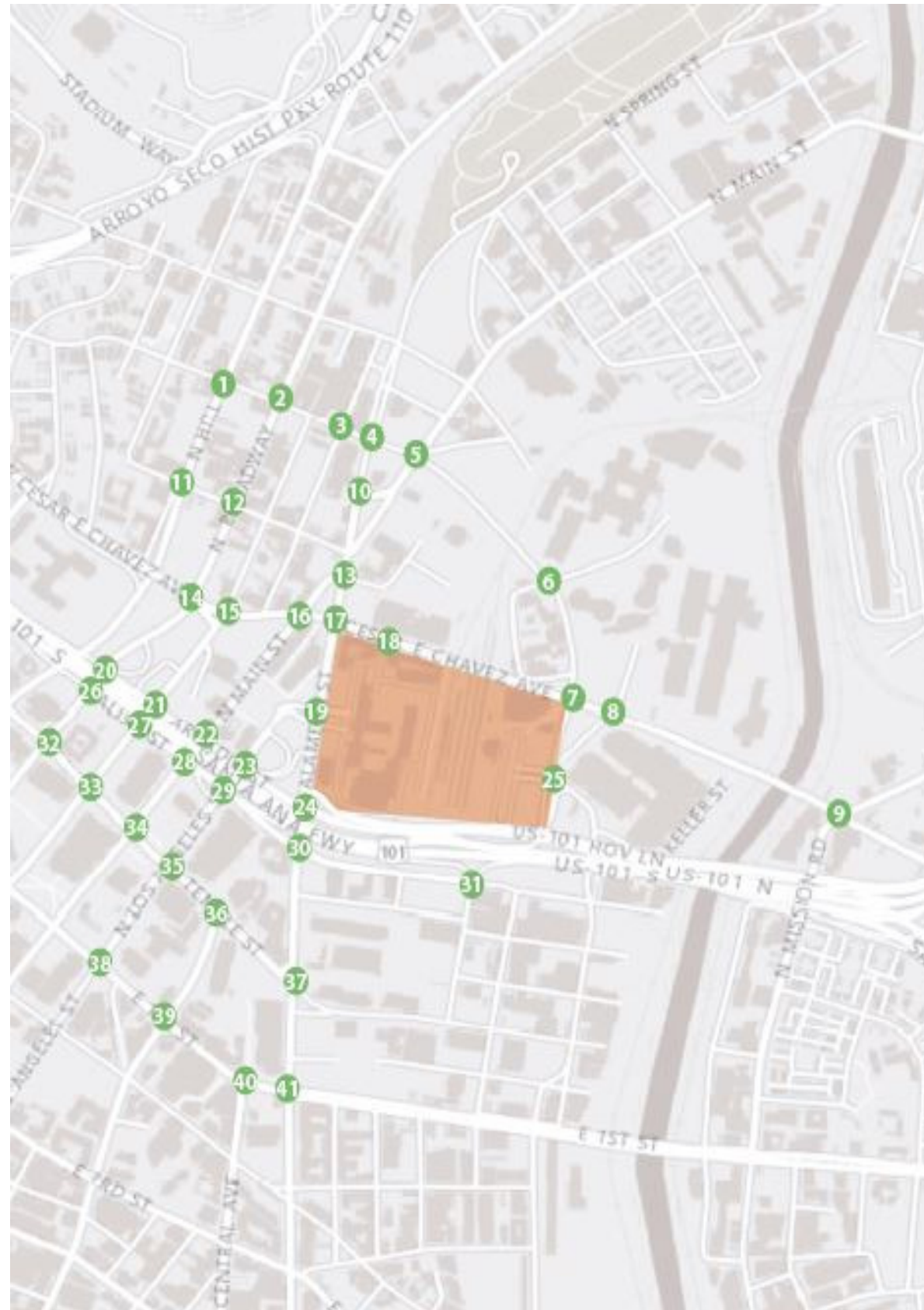


1. Hill Street/Alpine St 	2. Broadway/Alpine St 	3. Spring/Alpine St
4. Alameda/Alpine St 	5. Main/Alpine St 	6. Vignes/Bauchet
7. Vignes/Cesar E. Chavez Ave 	8. Lyon/Cesar E. Chavez Ave 	9. Mission/Cesar E. Chavez Ave
10. Alameda/Alhambra 	11. Hill/Ord 	12. Broadway/Ord
13. Alameda/Main 	14. Broadway/Cesar E. Chavez Ave 	15. Spring/Cesar E. Chavez Ave

*Transit only.

**Through traffic is transit only.





<p>16. Main/Cesar E. Chavez Ave</p>	<p>17. Alameda/Cesar E. Chavez Ave</p>	<p>18. Union Station Driveway/ Cesar E. Chavez Ave</p>
<p>19. Alameda/Los Angeles St</p>	<p>20. Broadway/Arcadia St</p>	<p>21. Spring/Arcadia St</p>
<p>22. Main/Arcadia St</p>	<p>23. Los Angeles/Arcadia St</p>	<p>24. Alameda/Arcadia St</p>
<p>25. Vignes/Ramirez St</p>	<p>26. Broadway/Aliso</p>	<p>27. Spring/Aliso</p>
<p>28. Main/Aliso</p>	<p>29. Los Angeles/Aliso***</p>	<p>30. Alameda/Aliso</p>

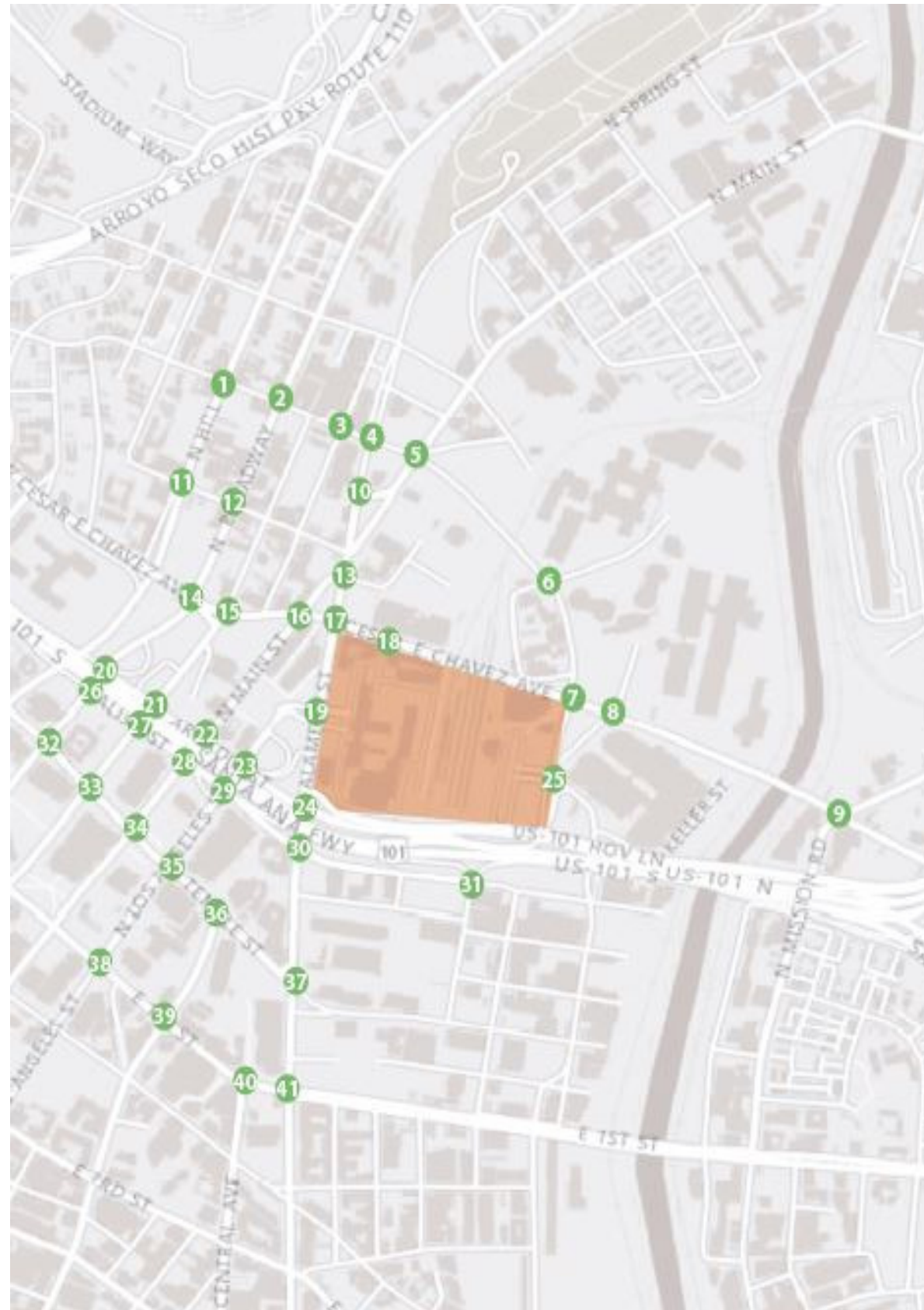
*Transit only.

**Through traffic is transit only.

***Bold face volumes are entering

freeway.

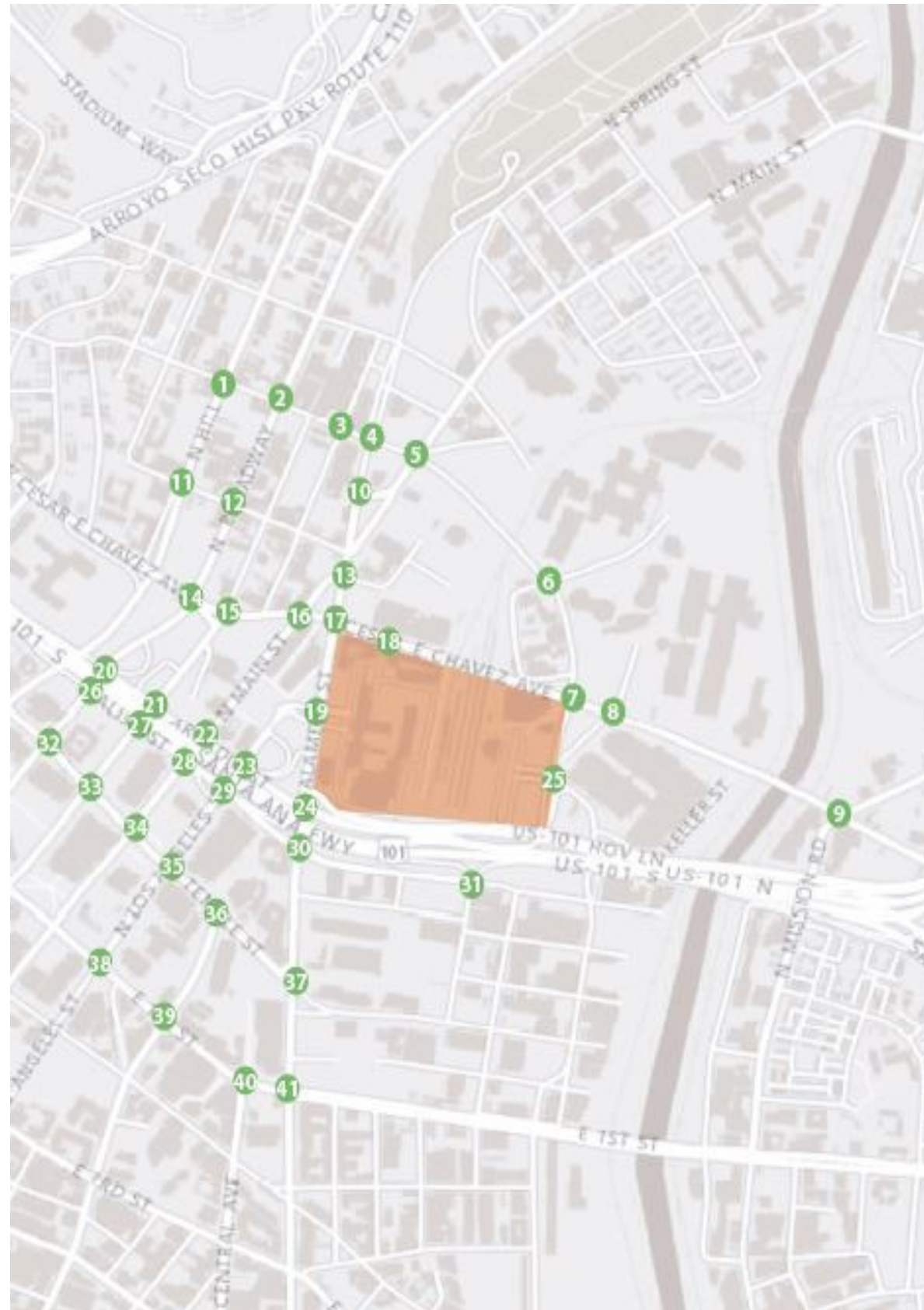




31. US 101 Ramps/Commercial 	32. Broadway/Temple 	33. Spring/Temple
34. Main/Temple 	35. Los Angeles/Temple 	36. San Pedro/Temple
37. Alameda/Temple 	38. Los Angeles/1st 	39. San Pedro/1st
40. Central/1st 	41. Alameda/1st 	

*Transit only.





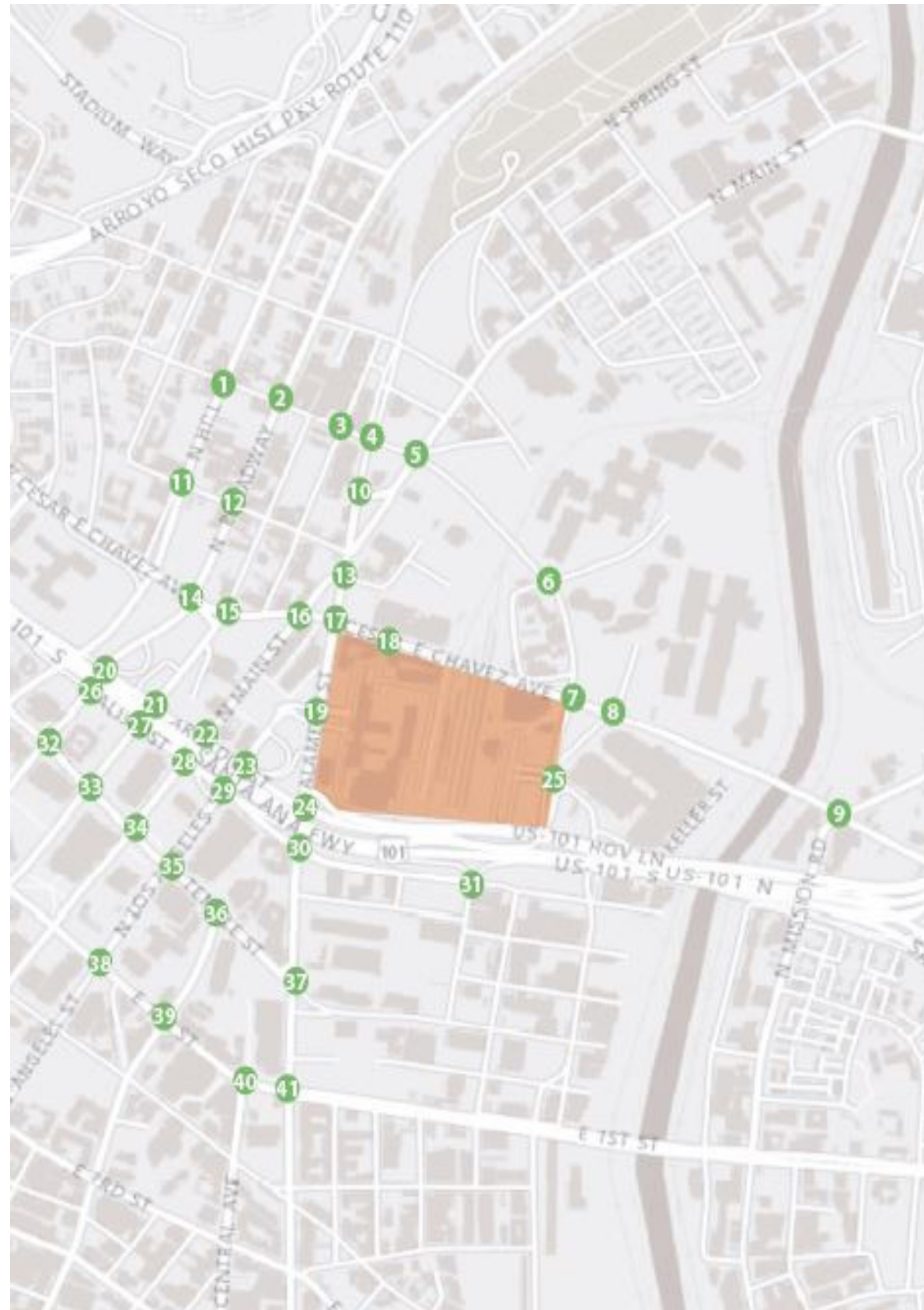
1. Hill Street/Alpine St 	2. Broadway/Alpine St 	3. Spring/Alpine St
4. Alameda/Alpine St 	5. Main/Alpine St 	6. Vignes/Bauchet
7. Vignes/Cesar E. Chavez Ave 	8. Lyon/Cesar E. Chavez Ave 	9. Mission/Cesar E. Chavez Ave
10. Alameda/Alhambra 	11. Hill/Ord 	12. Broadway/Ord
13. Alameda/Main 	14. Broadway/Cesar E. Chavez Ave 	15. Spring/Cesar E. Chavez Ave

*Transit only.

**Through traffic is transit only.

Peak Hour Traffic Volumes and Lane Configurations - Future Year 2029 + Project



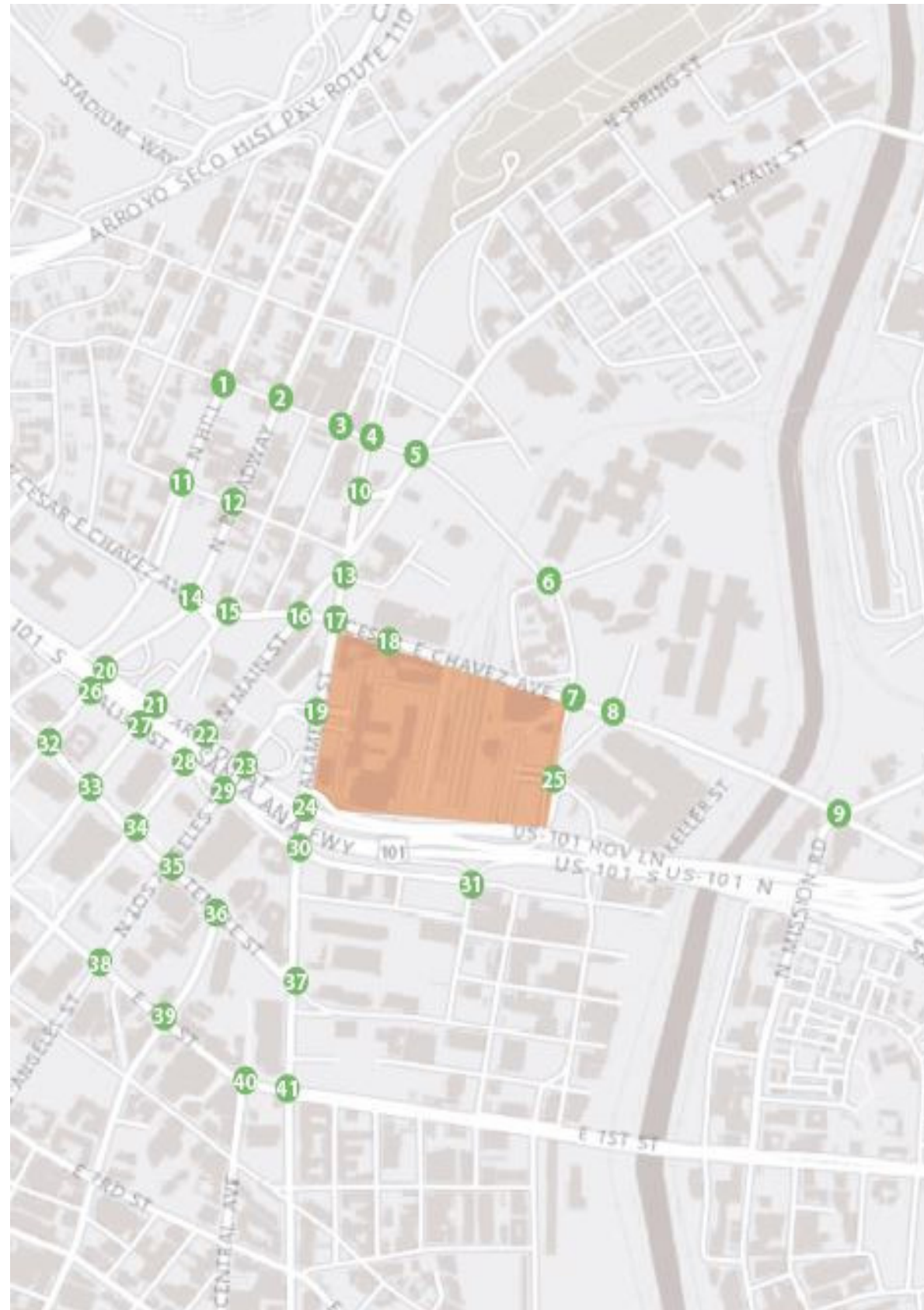


16. Main/Cesar E. Chavez Ave 	17. Alameda/Cesar E. Chavez Ave 	18. Union Station Driveway/Cesar E. Chavez Ave
19. Alameda/Los Angeles St 	20. Broadway/Arcadia St 	21. Spring/Arcadia St
22. Main/Arcadia St 	23. Los Angeles/Arcadia St 	24. Alameda/Arcadia St
25. Vignes/Ramirez St 	26. Broadway/Aliso 	27. Spring/Aliso
28. Main/Aliso 	29. Los Angeles/Aliso*** 	30. Alameda/Aliso

*Transit only.
 **Through traffic is transit only.
 ***Bold face volumes are entering freeway.

Peak Hour Traffic Volumes and Lane Configurations - Future Year 2029 + Project

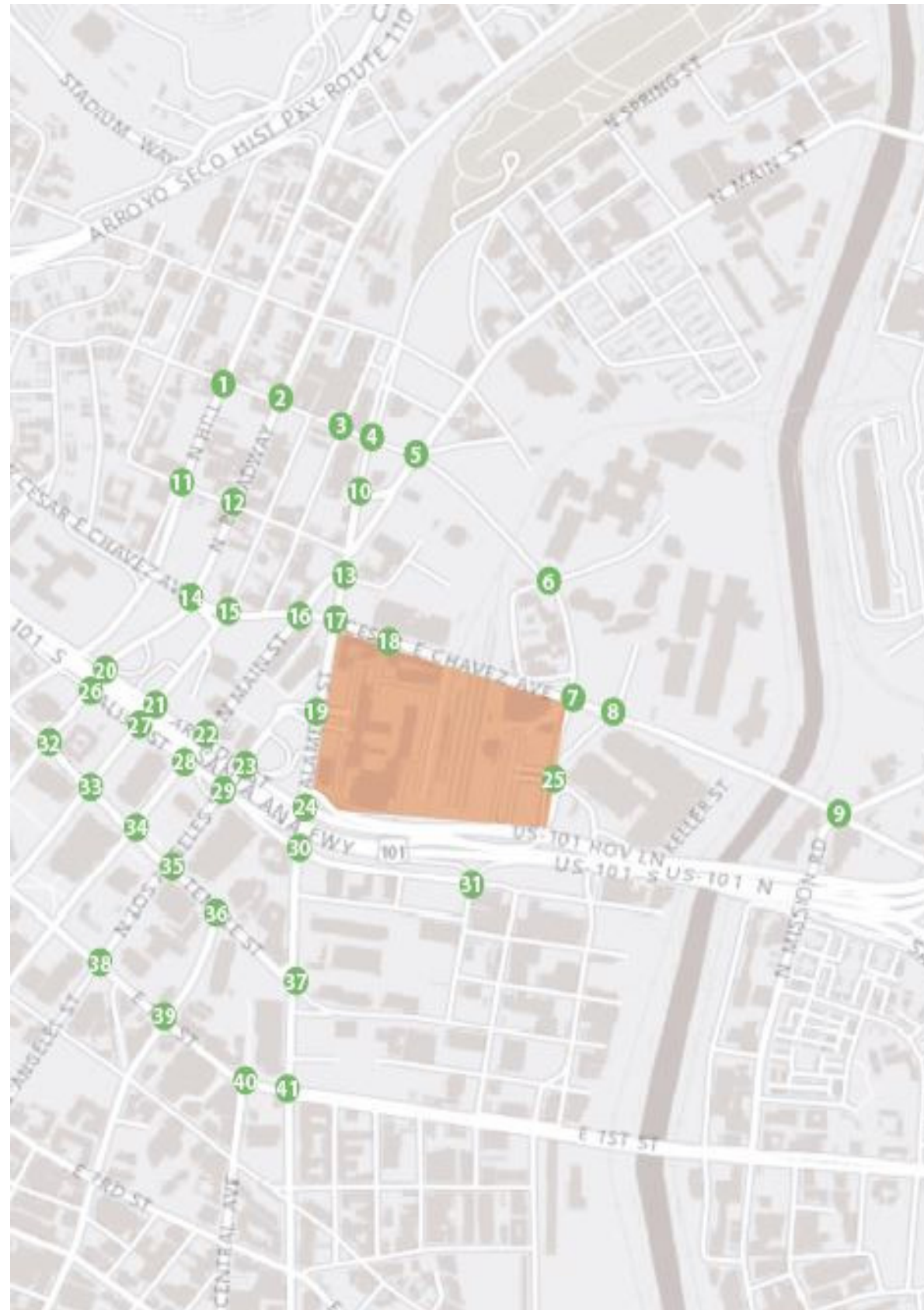




31. US 101 Ramps/Commercial 	32. Broadway/Temple 	33. Spring/Temple
34. Main/Temple 	35. Los Angeles/Temple 	36. San Pedro/Temple
37. Alameda/Temple 	38. Los Angeles/1st 	39. San Pedro/1st
40. Central/1st 	41. Alameda/1st 	

*Transit only.



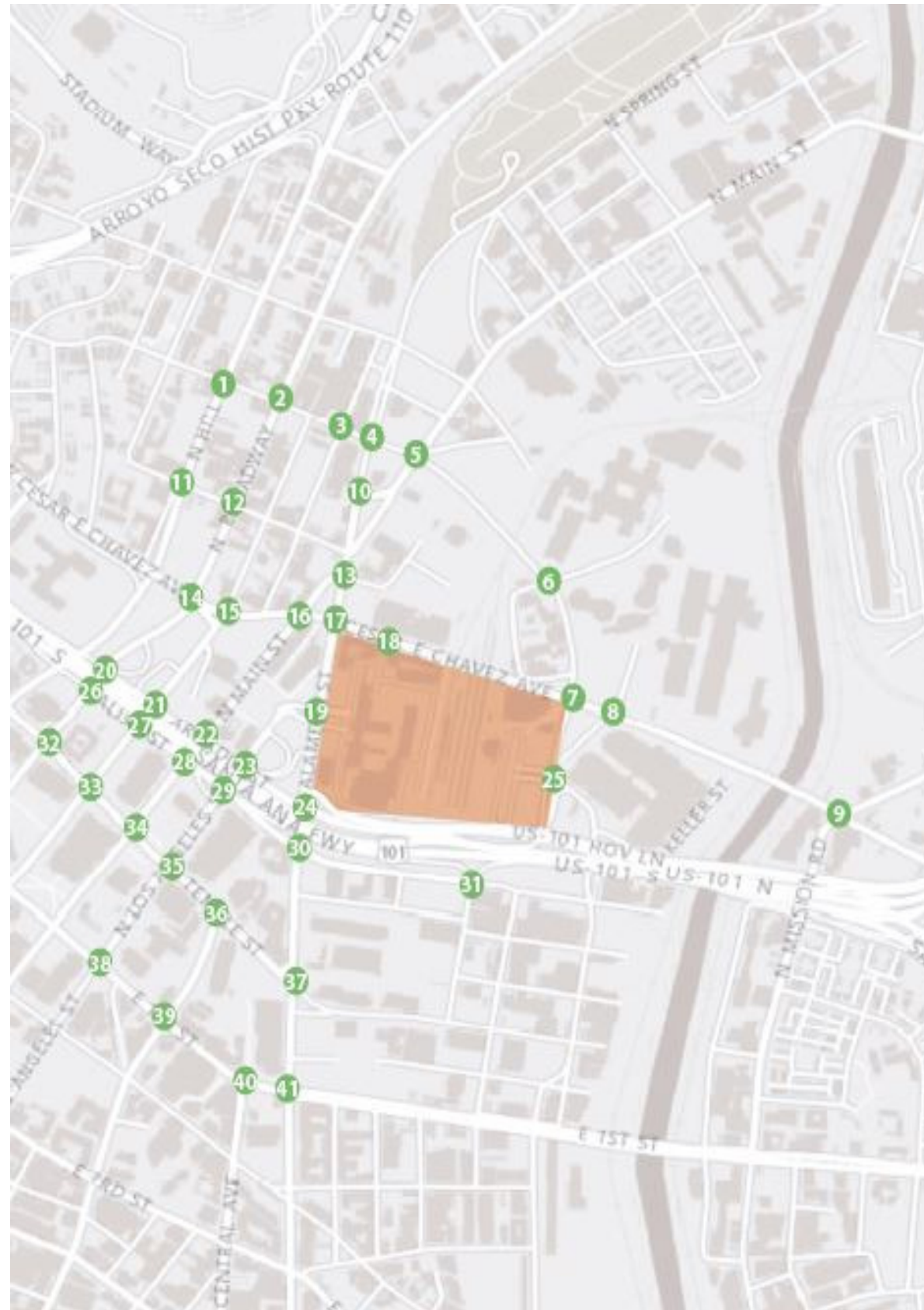


1. Hill Street/Alpine St 	2. Broadway/Alpine St 	3. Spring/Alpine St
4. Alameda/Alpine St 	5. Main/Alpine St 	6. Vignes/Bauchet
7. Vignes/Cesar E. Chavez Ave 	8. Lyon/Cesar E. Chavez Ave 	9. Mission/Cesar E. Chavez Ave
10. Alameda/Alhambra 	11. Hill/Ord 	12. Broadway/Ord
13. Alameda/Main 	14. Broadway/Cesar E. Chavez Ave 	15. Spring/Cesar E. Chavez Ave

*Transit only.

**Through traffic is transit only.





<p>16. Main/Cesar E. Chavez Ave</p>	<p>17. Alameda/Cesar E. Chavez Ave</p>	<p>18. Union Station Driveway/Cesar E. Chavez Ave</p>
<p>19. Alameda/Los Angeles St</p>	<p>20. Broadway/Arcadia St</p>	<p>21. Spring/Arcadia St</p>
<p>22. Main/Arcadia St</p>	<p>23. Los Angeles/Arcadia St</p>	<p>24. Alameda/Arcadia St</p>
<p>25. Vignes/Ramirez St</p>	<p>26. Broadway/Aliso</p>	<p>27. Spring/Aliso</p>
<p>28. Main/Aliso</p>	<p>29. Los Angeles/Aliso***</p>	<p>30. Alameda/Aliso</p>

*Transit only.

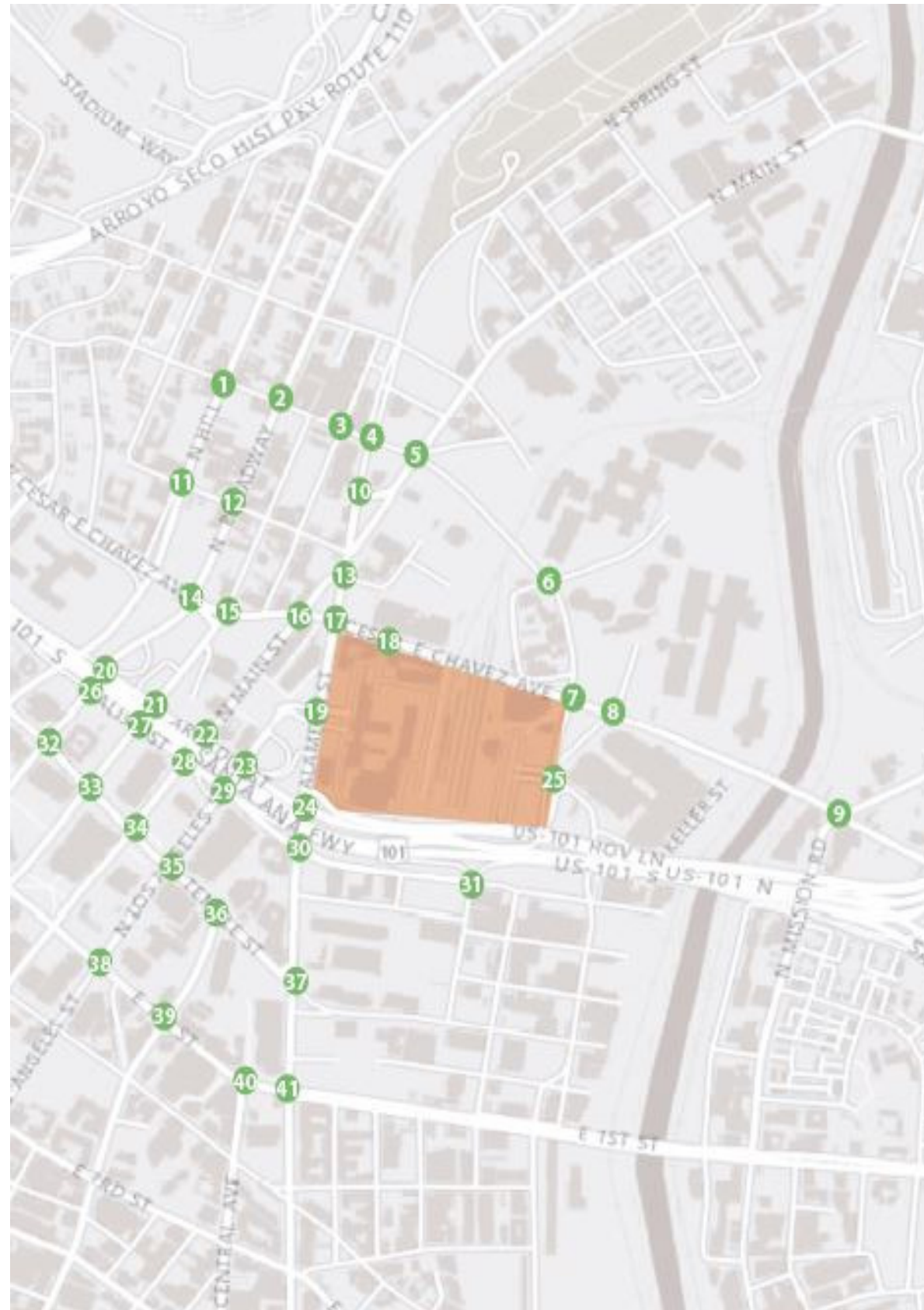
**Through traffic is transit only.

***Bold face volumes are entering

freeway.

Peak Hour Traffic Volumes and Lane Configurations - Future Year 2029 + Alternative 2

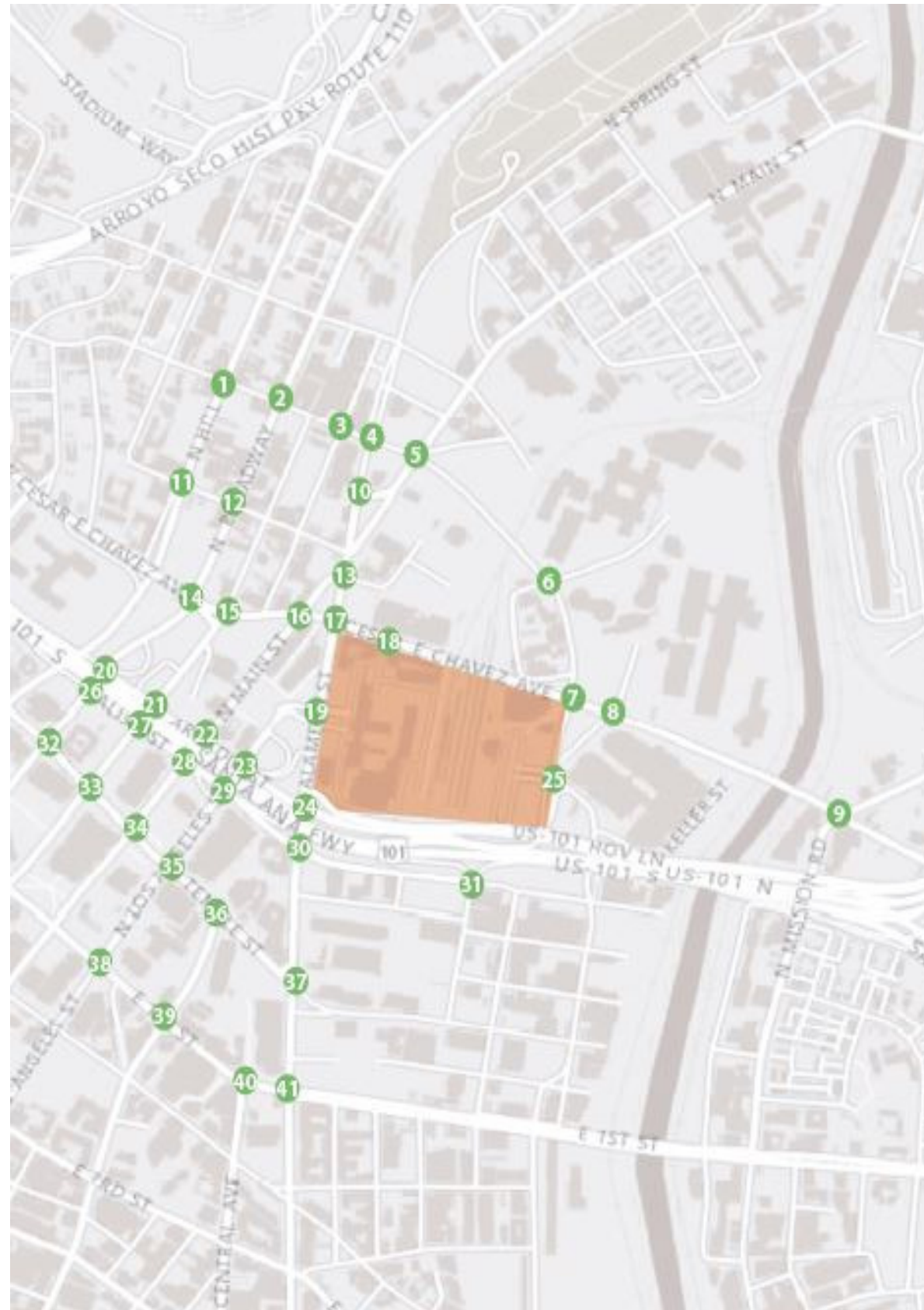




31. US 101 Ramps/Commercial 	32. Broadway/Temple 	33. Spring/Temple
34. Main/Temple 	35. Los Angeles/Temple 	36. San Pedro/Temple
37. Alameda/Temple 	38. Los Angeles/1st 	39. San Pedro/1st
40. Central/1st 	41. Alameda/1st 	

*Transit only.





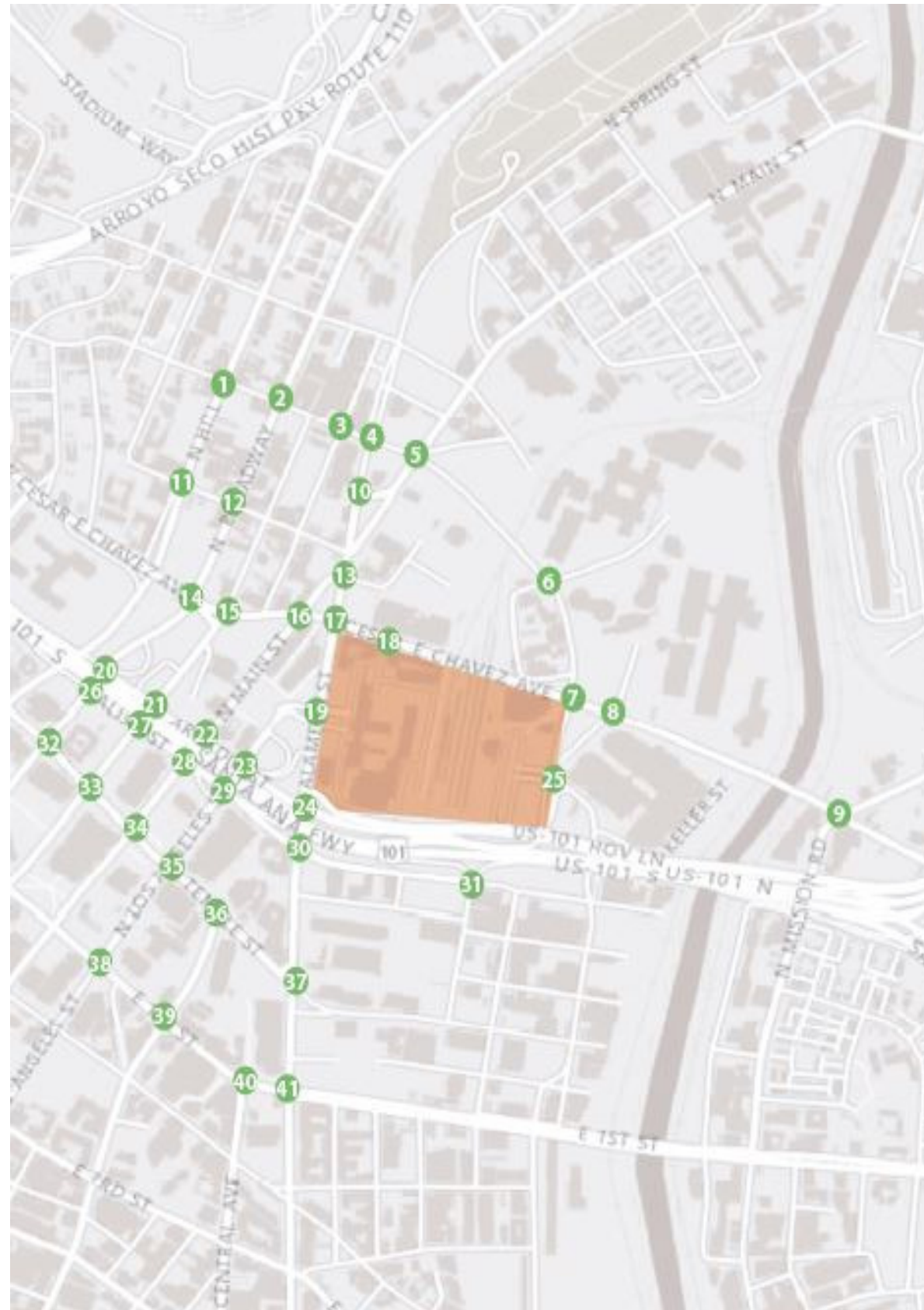
1. Hill Street/Alpine St Hill Street: 10 (26) left, 743 (435) through, 26 (15) right Alpine St: 1 (47) left, 150 (293) through, 1 (16) right Hill Street: 41 (82) left, 785 (340) through, 52 (32) right Alpine St: 11 (32) left, 284 (665) through, 21 (67) right	2. Broadway/Alpine St Broadway: 204 (48) left, 1,267 (649) through, 98 (55) right Alpine St: 21 (79) left, 149 (254) through, 27 (42) right Broadway: 83 (254) left, 635 (348) through, 177 (52) right Alpine St: 39 (58) left, 351 (1,180) through, 42 (100) right	3. Spring/Alpine St Spring: 0 (8) left, 21 (29) through, 0 (17) right Alpine St: 21 (10) left, 248 (390) through, 15 (15) right Spring: 84 (13) left, 957 (646) through, 10 (7) right Alpine St: 0 (7) left, 24 (0) through, 0 (102) right
4. Alameda/Alpine St Alameda: 240 (57) left, 1,069 (500) through, 171 (116) right Alpine St: 61 (102) left, 122 (335) through, 65 (72) right Alameda: 164 (393) left, 753 (430) through, 49 (55) right Alpine St: 58 (179) left, 380 (1,066) through, 12 (49) right	5. Main/Alpine St Main: 544 (186) left, 493 (275) through, 227 (201) right Alpine St: 68 (228) left, 232 (271) through, 5 (1) right Main: 185 (370) left, 421 (687) through Alpine St: 1 (5) left, 200 (657) through, 42 (35) right	6. Vignes/Bauchet Vignes: 12 (5) left, 450 (463) through, 61 (27) right Bauchet: 4 (11) left, 4 (5) through, 6 (20) right Vignes: 27 (81) left, 4 (6) through, 123 (263) right Bauchet: 20 (31) left, 609 (980) through, 164 (57) right
7. Vignes/Cesar E. Chavez Ave Vignes: 33 (62) left, 418 (426) through, 158 (296) right Cesar E. Chavez Ave: 57 (45) left, 463 (948) through, 272 (299) right Vignes: 339 (304) left, 1,264 (878) through, 309 (198) right Cesar E. Chavez Ave: 208 (319) left, 393 (719) through, 118 (208) right	8. Lyon/Cesar E. Chavez Ave Lyon: 4 (0) left, 0 (0) through, 0 (0) right Cesar E. Chavez Ave: 721 (1,450) left, 18 (2) through, 6 (3) right Lyon: 32 (7) left, 1,902 (1,377) through, 6 (14) right Cesar E. Chavez Ave: 6 (3) left, 8 (4) through	9. Mission/Cesar E. Chavez Ave Mission: 738 (366) left, 1,021 (476) through, 26 (46) right Cesar E. Chavez Ave: 286 (445) left, 265 (663) through, 178 (346) right Mission: 8 (27) left, 937 (684) through, 305 (172) right Cesar E. Chavez Ave: 265 (348) left, 501 (581) through, 90 (85) right
10. Alameda/Alhambra Alameda: 3 (5) left, 1,180 (622) through Alhambra: 0 (0) left, 0 (0) through, 10 (0) right Alameda: 15 (15) left, 16 (1) through, 467 (260) right Alhambra: 11 (0) left, 435 (1,279) through	11. Hill/Ord Hill: 15 (21) left, 739 (411) through, 42 (51) right Ord: 10 (15) left, 76 (213) through, 10 (31) right Hill: 30 (94) left, 257 (185) through, 46 (30) right Ord: 15 (21) left, 276 (655) through, 22 (64) right	12. Broadway/Ord Broadway: 144 (46) left, 1,244 (636) through, 83 (61) right Ord: 9 (121) left, 90 (124) through, 41 (83) right Broadway: 38 (131) left, 118 (144) through, 64 (39) right Ord: 71 (119) left, 385 (1,086) through, 74 (65) right
13. Alameda/Main Alameda: 1,466 (882) left, 34 (16) through Main: 204 (1,057) left, 47 (23) through, 16 (37) right Alameda: 8 (73) left, 21 (42) through Main: 535 (946) left, 45 (13) through	14. Broadway/Cesar E. Chavez Ave Broadway: 373 (203) left, 840 (443) through, 136 (112) right Cesar E. Chavez Ave: 139 (210) left, 767 (1,055) through, 112 (64) right Broadway: 54 (159) left, 1,435 (1,203) through, 139 (139) right Cesar E. Chavez Ave: 128 (192) left, 337 (901) through, 123 (182) right	15. Spring/Cesar E. Chavez Ave Spring: 170 (72) left, 349 (99) through, 3 (30) right Cesar E. Chavez Ave: 714 (1,126) left, 312 (223) through Spring: 17 (100)** left, 1,458 (1,429) through, 233 (179) right Cesar E. Chavez Ave: 0 (0) left, 0 (0) through, 0 (0) right

*Transit only.

**Through traffic is transit only.

Peak Hour Traffic Volumes and Lane Configurations - Future Year 2029 + Alternative 3





<p>16. Main/Cesar E. Chavez Ave</p>	<p>17. Alameda/Cesar E. Chavez Ave</p>	<p>18. Union Station Driveway/Cesar E. Chavez Ave</p>
<p>19. Alameda/Los Angeles St</p>	<p>20. Broadway/Arcadia St</p>	<p>21. Spring/Arcadia St</p>
<p>22. Main/Arcadia St</p>	<p>23. Los Angeles/Arcadia St</p>	<p>24. Alameda/Arcadia St</p>
<p>25. Vignes/Ramirez St</p>	<p>26. Broadway/Aliso</p>	<p>27. Spring/Aliso</p>
<p>28. Main/Aliso</p>	<p>29. Los Angeles/Aliso***</p>	<p>30. Alameda/Aliso</p>

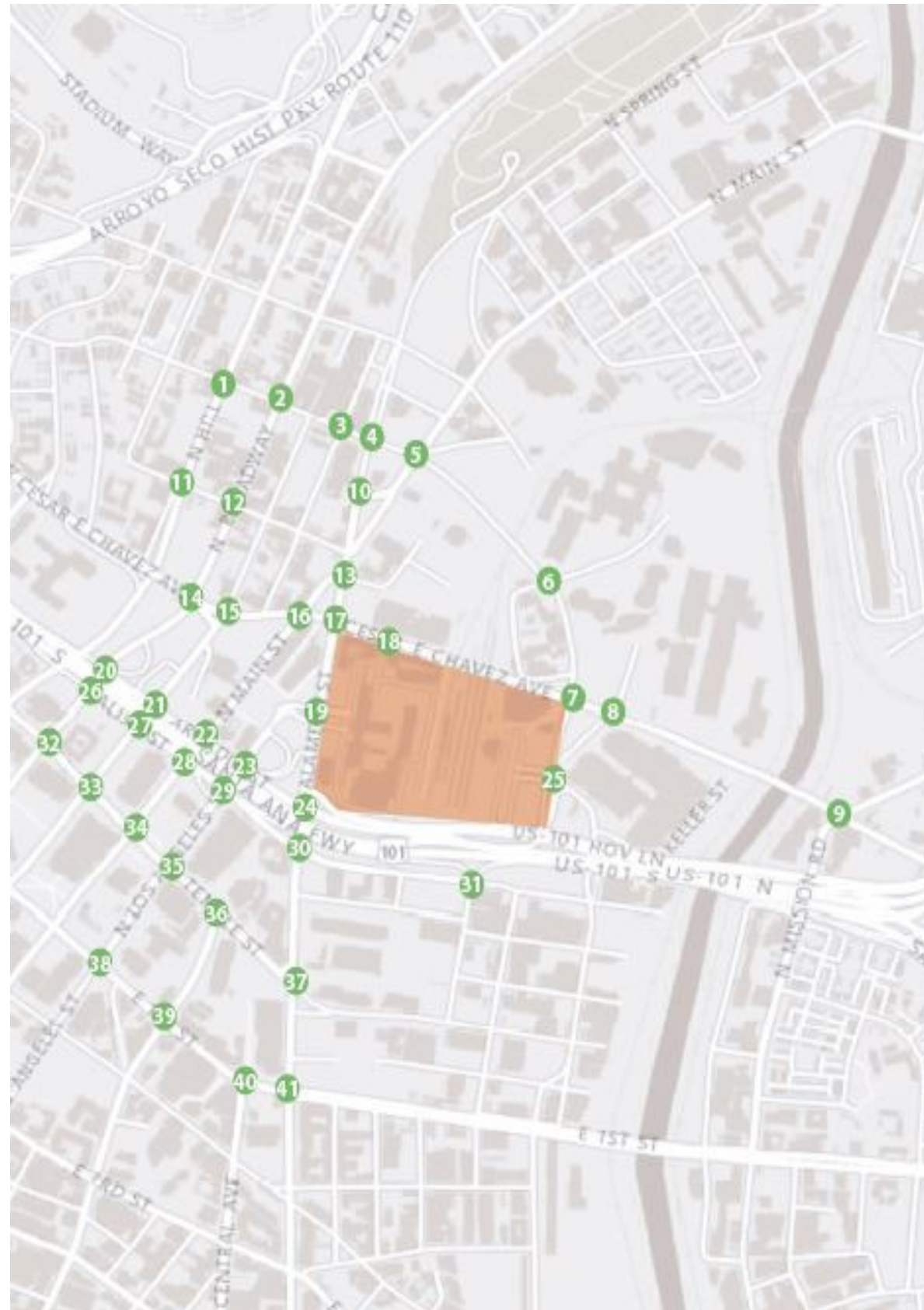
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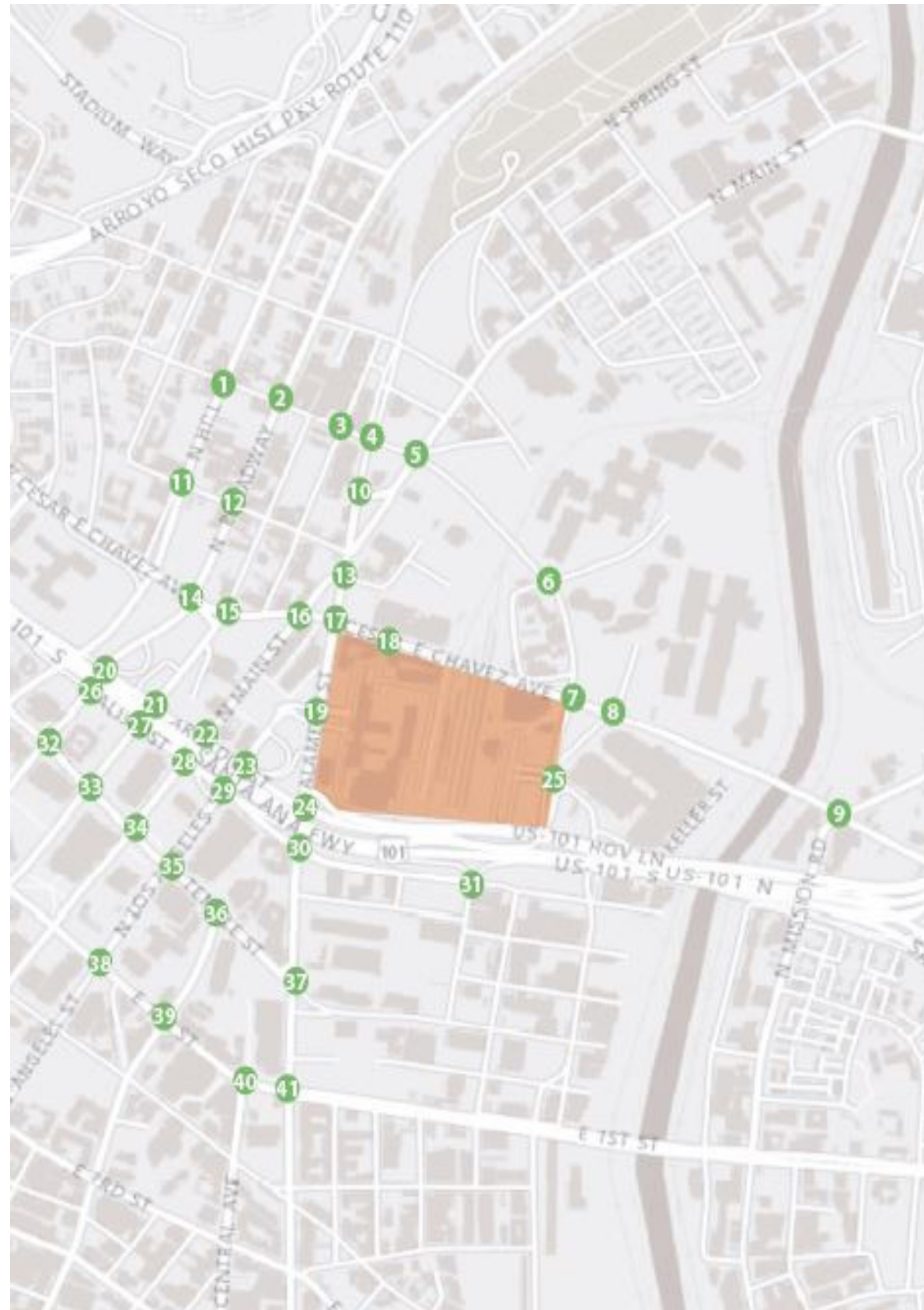




31. US 101 Ramps/Commercial 	32. Broadway/Temple 	33. Spring/Temple
34. Main/Temple 	35. Los Angeles/Temple 	36. San Pedro/Temple
37. Alameda/Temple 	38. Los Angeles/1st 	39. San Pedro/1st
40. Central/1st 	41. Alameda/1st 	

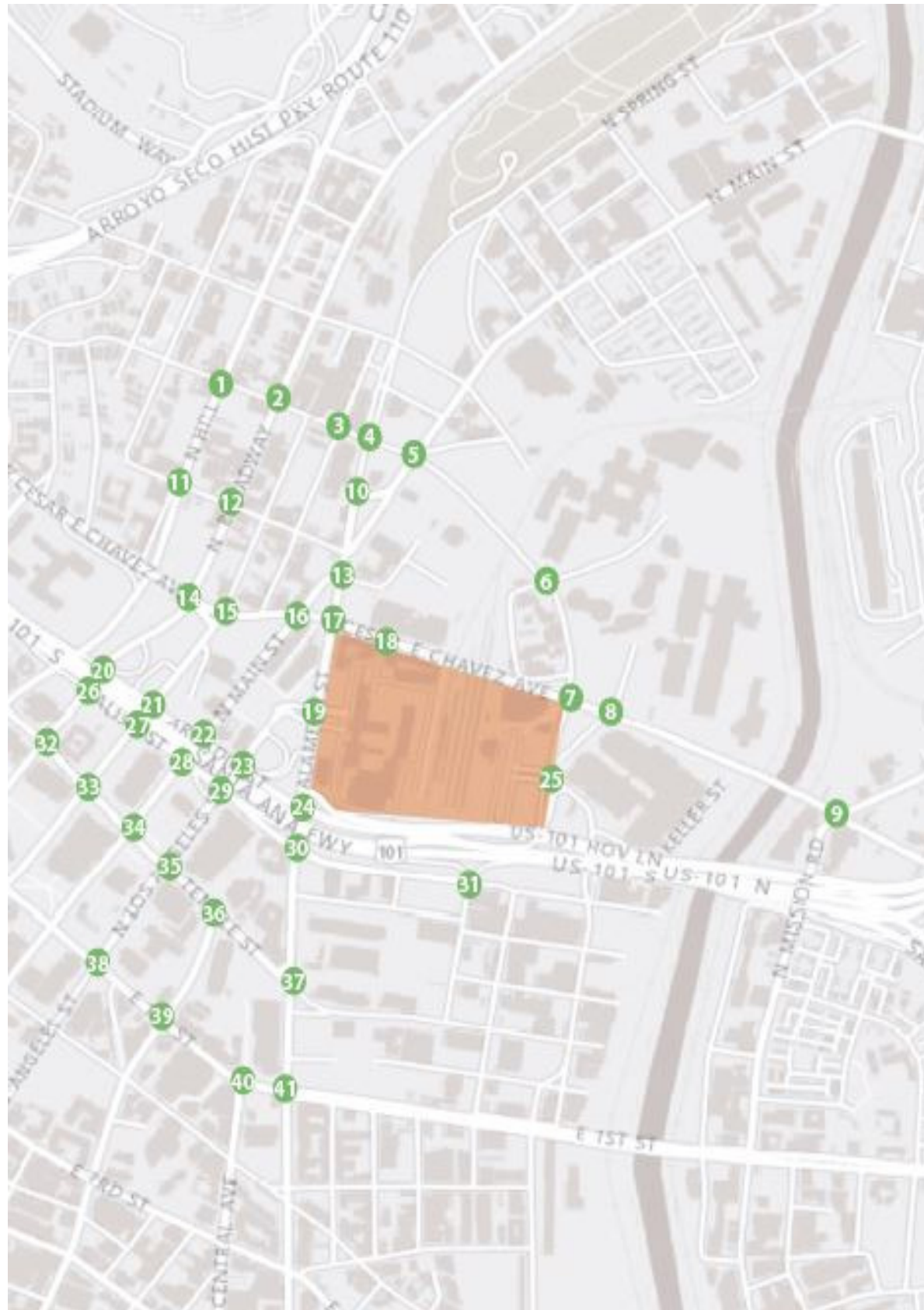
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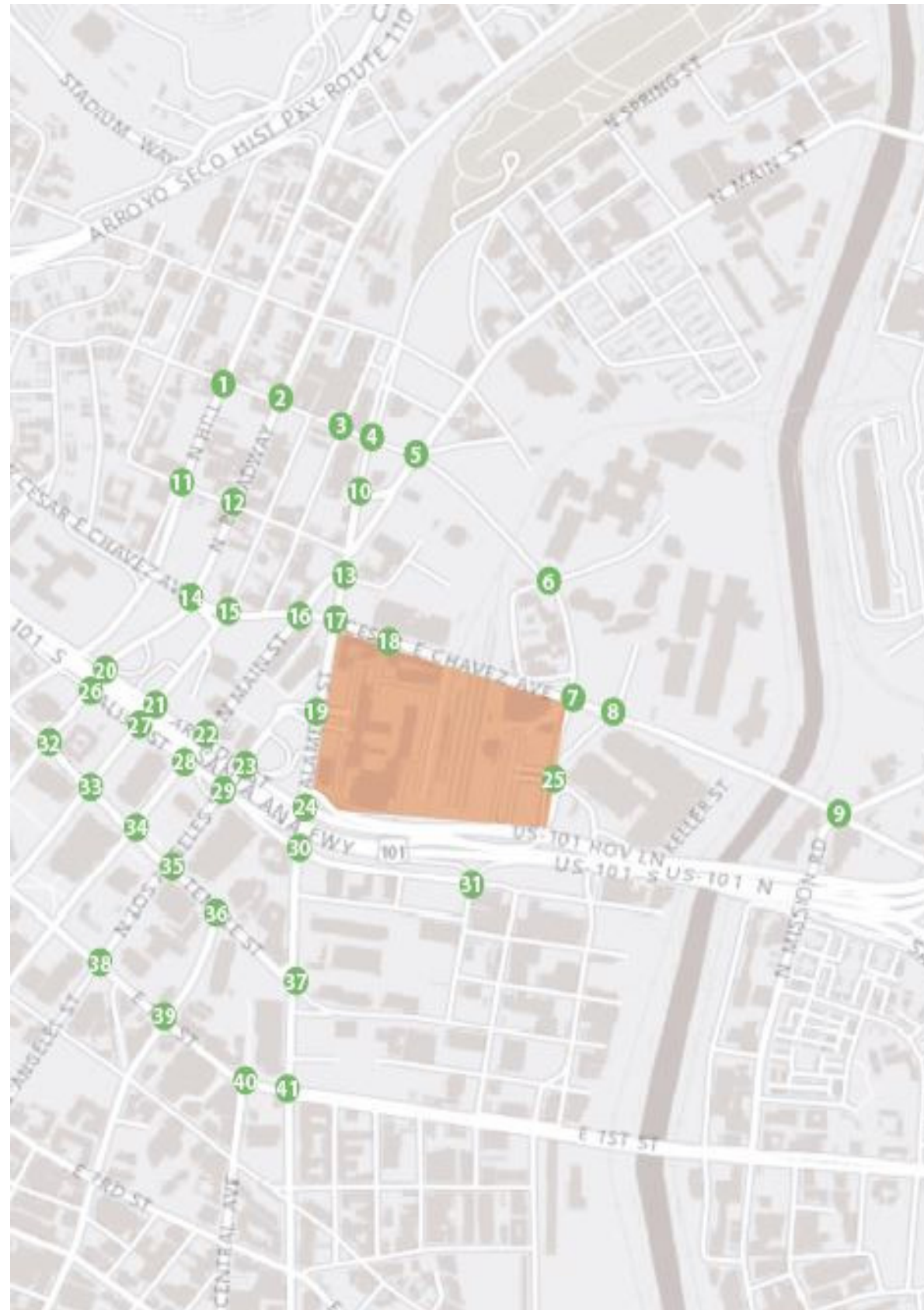
1. Hill Street/Alpine St 	2. Broadway/Alpine St 	3. Spring/Alpine St
4. Alameda/Alpine St 	5. Main/Alpine St 	6. Vignes/Bauchet
7. Vignes/Cesar E. Chavez Ave 	8. Lyon/Cesar E. Chavez Ave 	9. Mission/Cesar E. Chavez Ave
10. Alameda/Alhambra 	11. Hill/Ord 	12. Broadway/Ord
13. Alameda/Main 	14. Broadway/Cesar E. Chavez Ave 	15. Spring/Cesar E. Chavez Ave





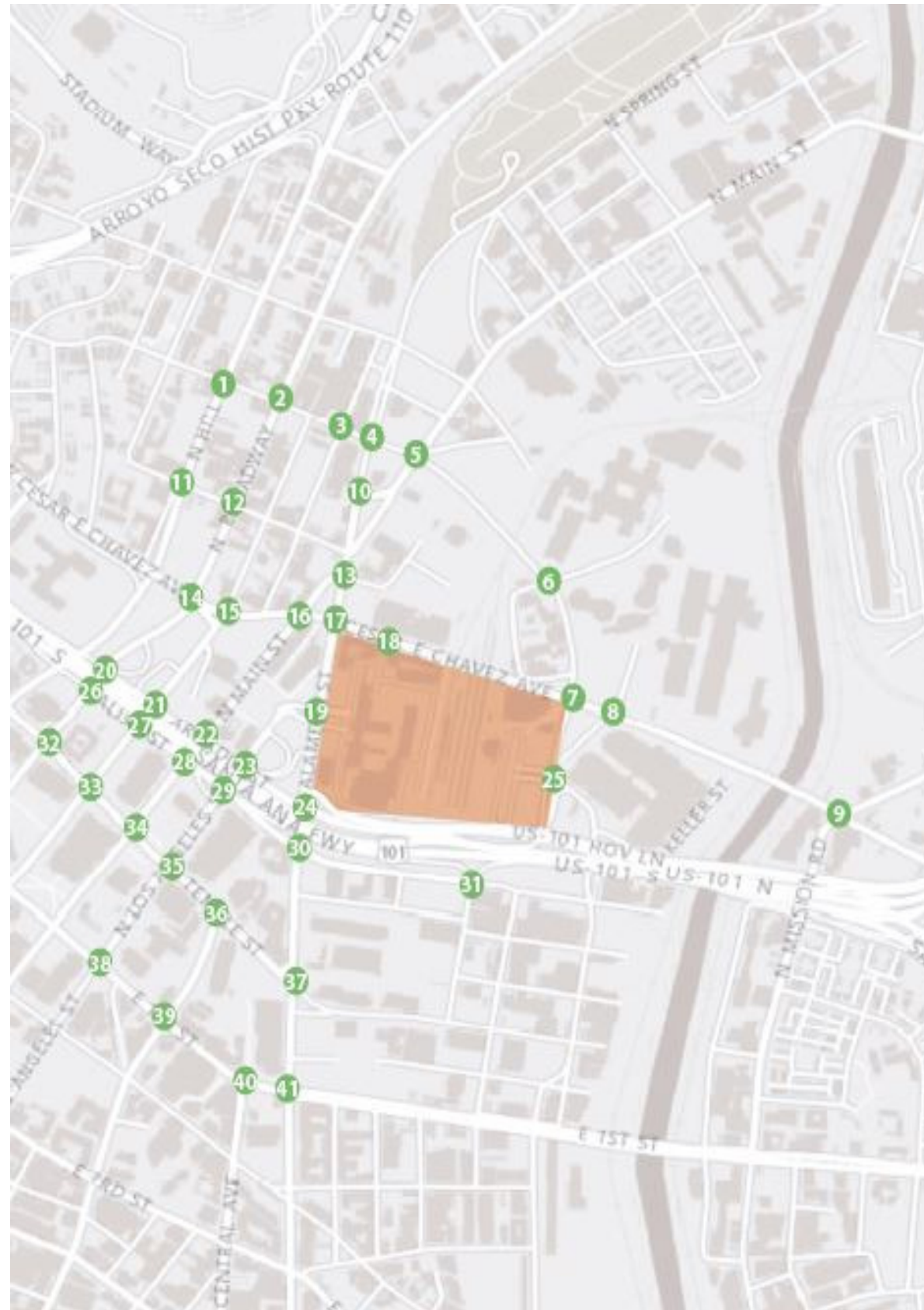
<p>16. Main/Cesar E. Chavez Ave</p> <p>0 (0) 67 (82)</p> <p>6 (7) 26 (38)</p> <p>4 (14) 0 (0) 20 (37)</p>	<p>17. Alameda/Cesar E. Chavez Ave</p> <p>51 (44) 67 (54) 5 (5)</p> <p>5 (5) 12 (32) 47 (48)</p> <p>29 (52) 13 (19) 4 (4)</p> <p>4 (6) 40 (74) 50 (50)</p>	<p>18. Union Station Driveway/Cesar E. Chavez Ave</p> <p>64 (85) 1 (0)</p> <p>60 (59) 8 (15)</p> <p>0 (0) 0 (0)</p>
<p>19. Alameda/Los Angeles St</p> <p>0 (0) 118 (106) 0 (0)</p> <p>2 (5) 0 (0) 5 (27)</p> <p>0 (0) 0 (0) 0 (0)</p> <p>92 (125) 0 (0)</p>	<p>20. Broadway/Arcadia St</p> <p>31 (30)</p> <p>28 (95) 0 (0)</p> <p>35 (60)</p>	<p>21. Spring/Arcadia St</p> <p>23 (76) 57 (61)</p> <p>5 (19) 0 (0)</p> <p>0 (0)</p>
<p>22. Main/Arcadia St</p> <p>4 (14) 3 (12)</p> <p>2 (7) 20 (37)</p>	<p>23. Los Angeles/Arcadia St</p> <p>0 (0) 0 (0)</p> <p>0 (0) 7 (24) 0 (0)</p> <p>0 (2) 0 (0)</p>	<p>24. Alameda/Arcadia St</p> <p>0 (0) 88 (81) 0 (0)</p> <p>46 (72) 6 (21) 6 (6)</p> <p>1 (3) 54 (67)</p>
<p>25. Vignes/Ramirez St</p> <p>120 (145) 28 (44) 69 (93)</p> <p>0 (-3) 15 (40) 0 (0)</p> <p>121 (121) 0 (5) 0 (9)</p> <p>58 (66) 17 (23) 0 (0)</p>	<p>26. Broadway/Aliso</p> <p>19 (21) 12 (10)</p> <p>11 (14) 2 (3) 9 (17)</p> <p>24 (46) 3 (3)</p>	<p>27. Spring/Aliso</p> <p>47 (40) 8 (12)</p> <p>0 (0) 17 (15) 0 (1)</p> <p>0 (0) 0 (0)</p>
<p>28. Main/Aliso</p> <p>0 (0) 25 (27)</p> <p>22 (44) 0 (0)</p>	<p>29. Los Angeles/Aliso</p> <p>0 (0)</p> <p>17 (19) 5 (5) 3 (3)</p> <p>0 (2) 0 (0)</p>	<p>30. Alameda/Aliso</p> <p>36 (51) 53 (36)</p> <p>12 (11) 0 (0)</p> <p>3 (3) 2 (2) 0 (0)</p> <p>40 (56) 2 (2)</p>





31. US 101 Ramps/Commercial 	32. Broadway/Temple 	33. Spring/Temple
34. Main/Temple 	35. Los Angeles/Temple 	36. San Pedro/Temple
37. Alameda/Temple 	38. Los Angeles/1st 	39. San Pedro/1st
40. Central/1st 	41. Alameda/1st 	

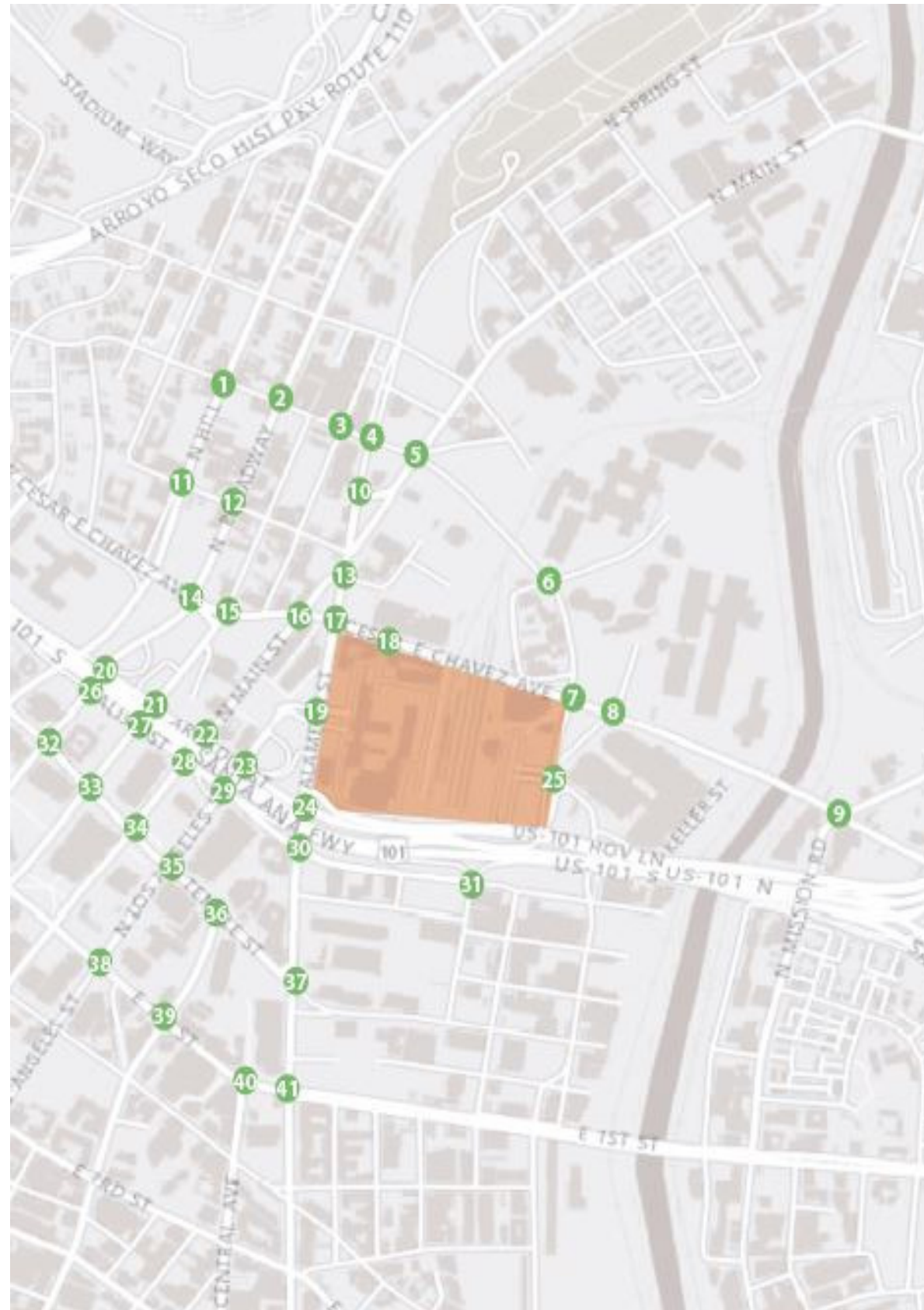




1. Hill Street/Alpine St 	2. Broadway/Alpine St 	3. Spring/Alpine St
4. Alameda/Alpine St 	5. Main/Alpine St 	6. Vignes/Bauchet
7. Vignes/Cesar E. Chavez Ave 	8. Lyon/Cesar E. Chavez Ave 	9. Mission/Cesar E. Chavez Ave
10. Alameda/Alhambra 	11. Hill/Ord 	12. Broadway/Ord
13. Alameda/Main 	14. Broadway/Cesar E. Chavez Ave 	15. Spring/Cesar E. Chavez Ave

Alternative 3 Volume Shifts



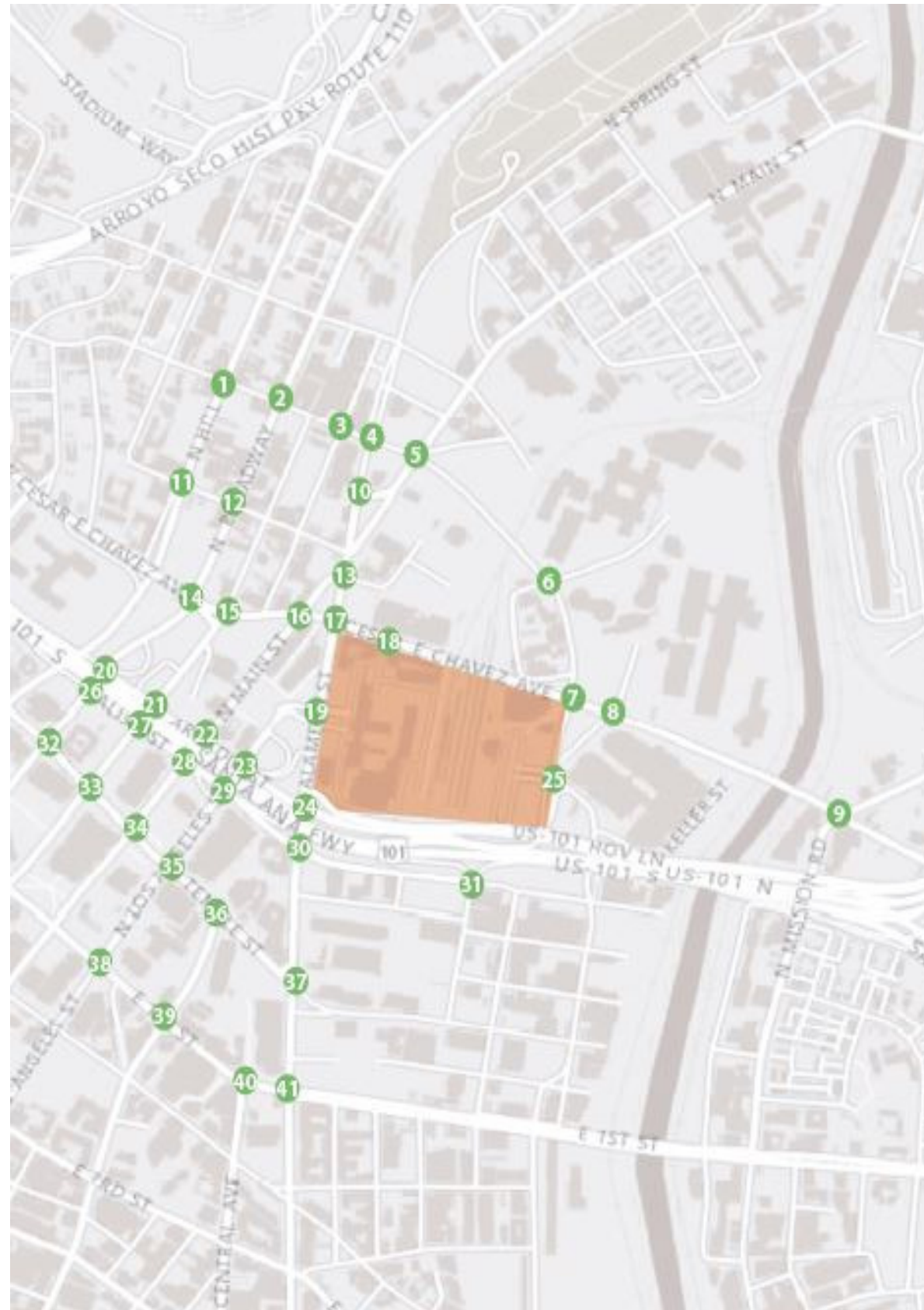


<p>16. Main/Cesar E. Chavez Ave</p>	<p>17. Alameda/Cesar E. Chavez Ave</p>	<p>18. Union Station Driveway/Cesar E. Chavez Ave</p>
<p>19. Alameda/Los Angeles St</p>	<p>20. Broadway/Arcadia St</p>	<p>21. Spring/Arcadia St</p>
<p>22. Main/Arcadia St</p>	<p>23. Los Angeles/Arcadia St</p>	<p>24. Alameda/Arcadia St</p>
<p>25. Vignes/Ramirez St</p>	<p>26. Broadway/Aliso</p>	<p>27. Spring/Aliso</p>
<p>28. Main/Aliso</p>	<p>29. Los Angeles/Aliso</p>	<p>30. Alameda/Aliso</p>

*Volume entering Freeway

Alternative 3 Volume Shifts

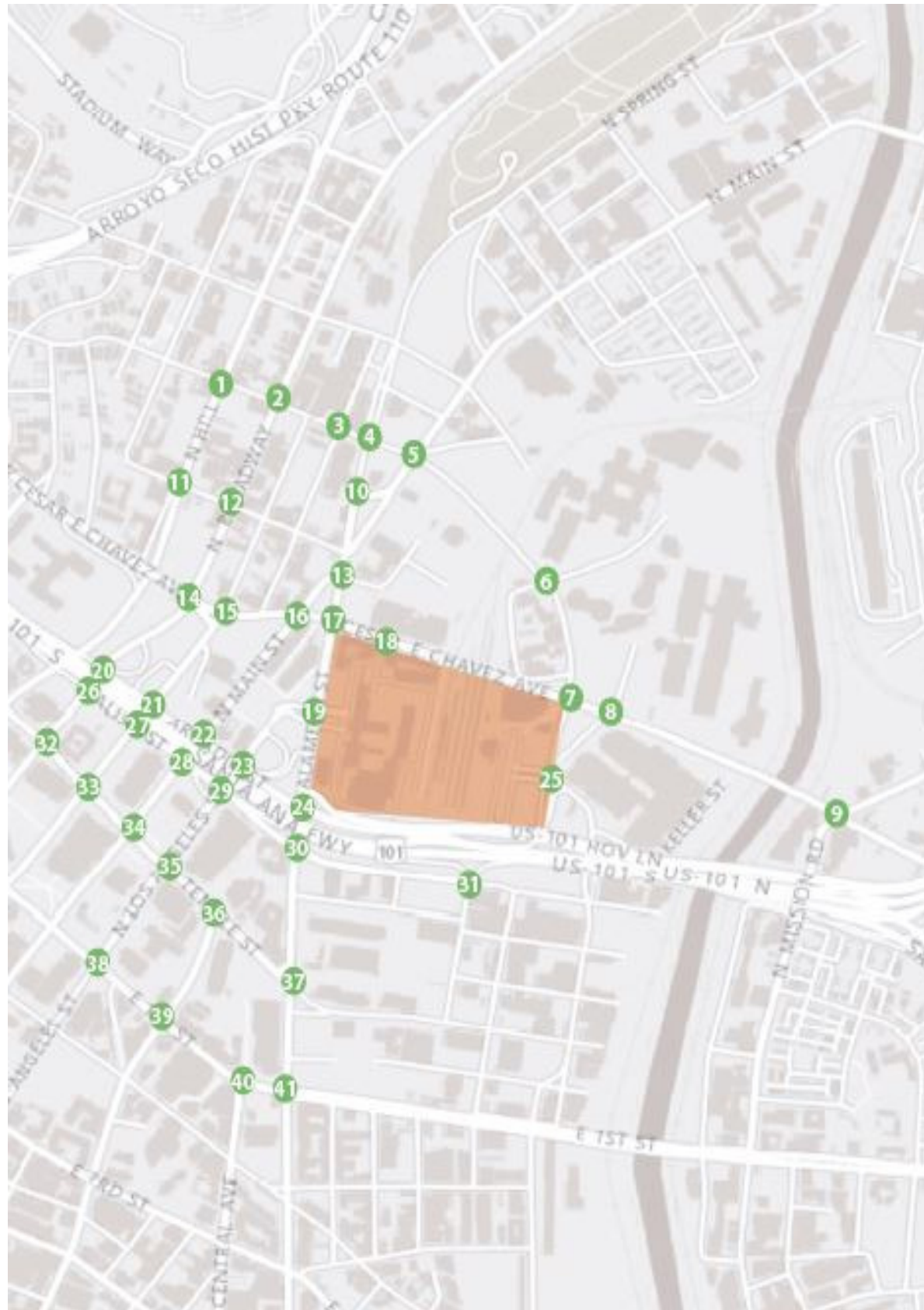




<p>31. US 101 Ramps/Commercial</p>	<p>32. Broadway/Temple</p>	<p>33. Spring/Temple</p>
<p>34. Main/Temple</p>	<p>35. Los Angeles/Temple</p>	<p>36. San Pedro/Temple</p>
<p>37. Alameda/Temple</p>	<p>38. Los Angeles/1st</p>	<p>39. San Pedro/1st</p>
<p>40. Central/1st</p>	<p>41. Alameda/1st</p>	

Alternative 3 Volume Shifts

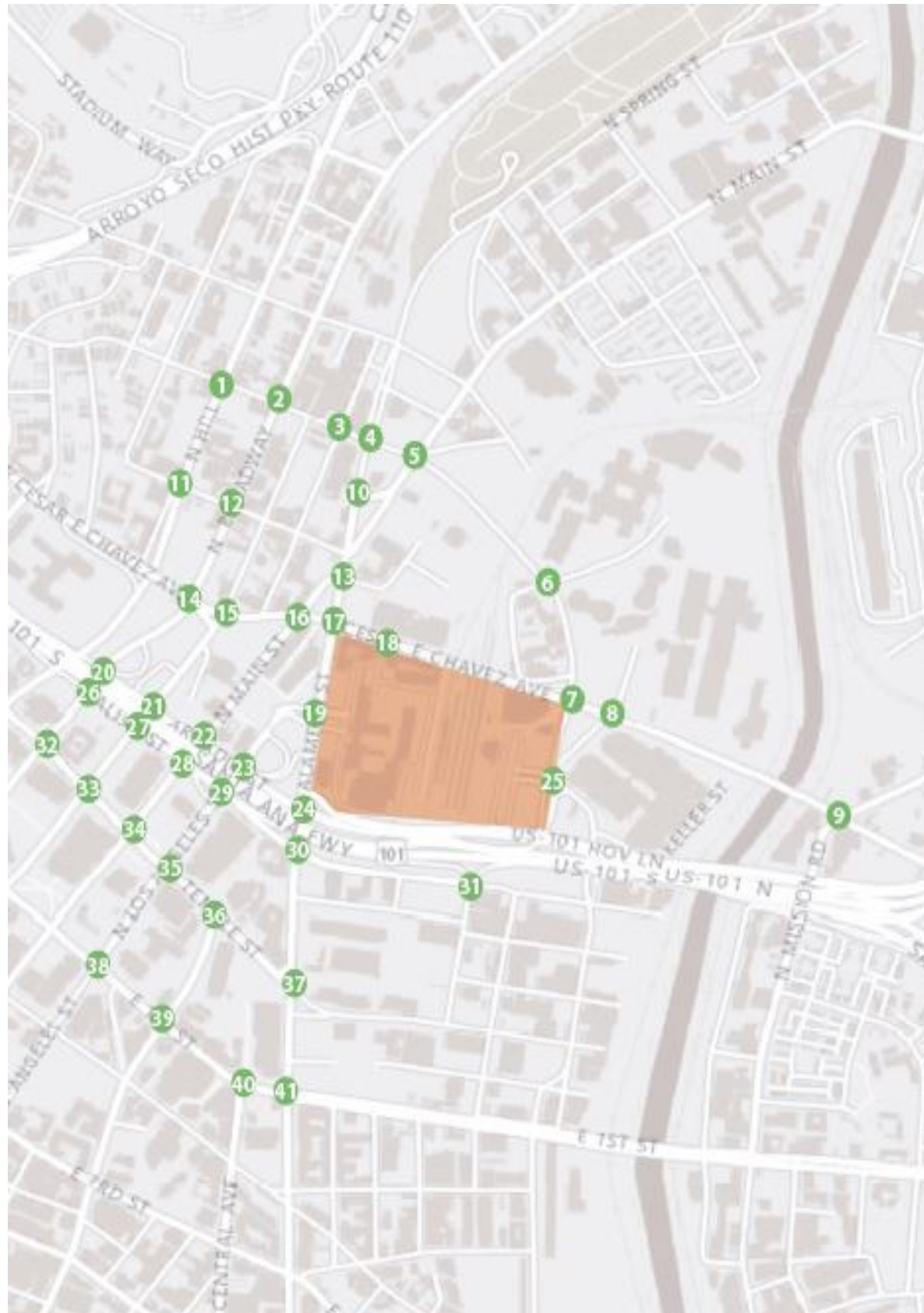




1. Hill Street/Alpine St 	2. Broadway/Alpine St 	3. Spring/Alpine St
4. Alameda/Alpine St 	5. Main/Alpine St 	6. Vignes/Bauchet
7. Vignes/Cesar E. Chavez Ave 	8. Lyon/Cesar E. Chavez Ave 	9. Mission/Cesar E. Chavez Ave
10. Alameda/Alhambra 	11. Hill/Ord 	12. Broadway/Ord
13. Alameda/Main 	14. Broadway/Cesar E. Chavez Ave 	15. Spring/Cesar E. Chavez Ave



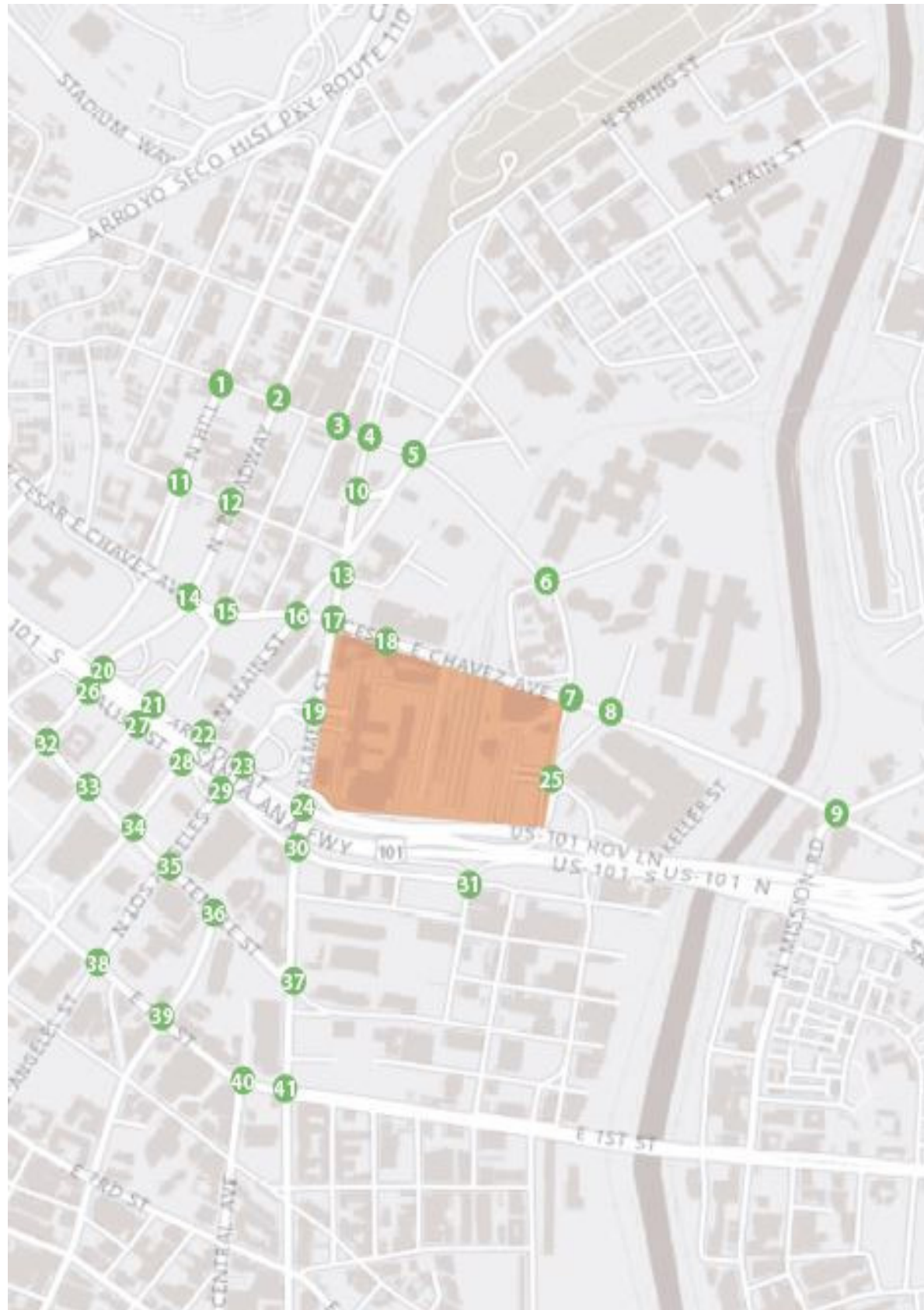
Alternative 2 Volume Shifts As Compared to Alternative 3



<p>16. Main/Cesar E. Chavez Ave</p>	<p>17. Alameda/Cesar E. Chavez Ave</p>	<p>18. Union Station Driveway/Cesar E. Chavez Ave</p>
<p>19. Alameda/Los Angeles St</p>	<p>20. Broadway/Arcadia St</p>	<p>21. Spring/Arcadia St</p>
<p>22. Main/Arcadia St</p>	<p>23. Los Angeles/Arcadia St</p>	<p>24. Alameda/Arcadia St</p>
<p>25. Vignes/Ramirez St</p>	<p>26. Broadway/Aliso</p>	<p>27. Spring/Aliso</p>
<p>28. Main/Aliso</p>	<p>29. Los Angeles/Aliso</p>	<p>30. Alameda/Aliso</p>

Alternative 2 Volume Shifts As Compared to Alternative 3





<p>31. US 101 Ramps/Commercial</p>	<p>32. Broadway/Temple</p>	<p>33. Spring/Temple</p>
<p>34. Main/Temple</p>	<p>35. Los Angeles/Temple</p>	<p>36. San Pedro/Temple</p>
<p>37. Alameda/Temple</p>	<p>38. Los Angeles/1st</p>	<p>39. San Pedro/1st</p>
<p>40. Central/1st</p>	<p>41. Alameda/1st</p>	<p></p>
<p></p>	<p></p>	<p></p>

Alternative 2 Volume Shifts As Compared to Alternative 3

