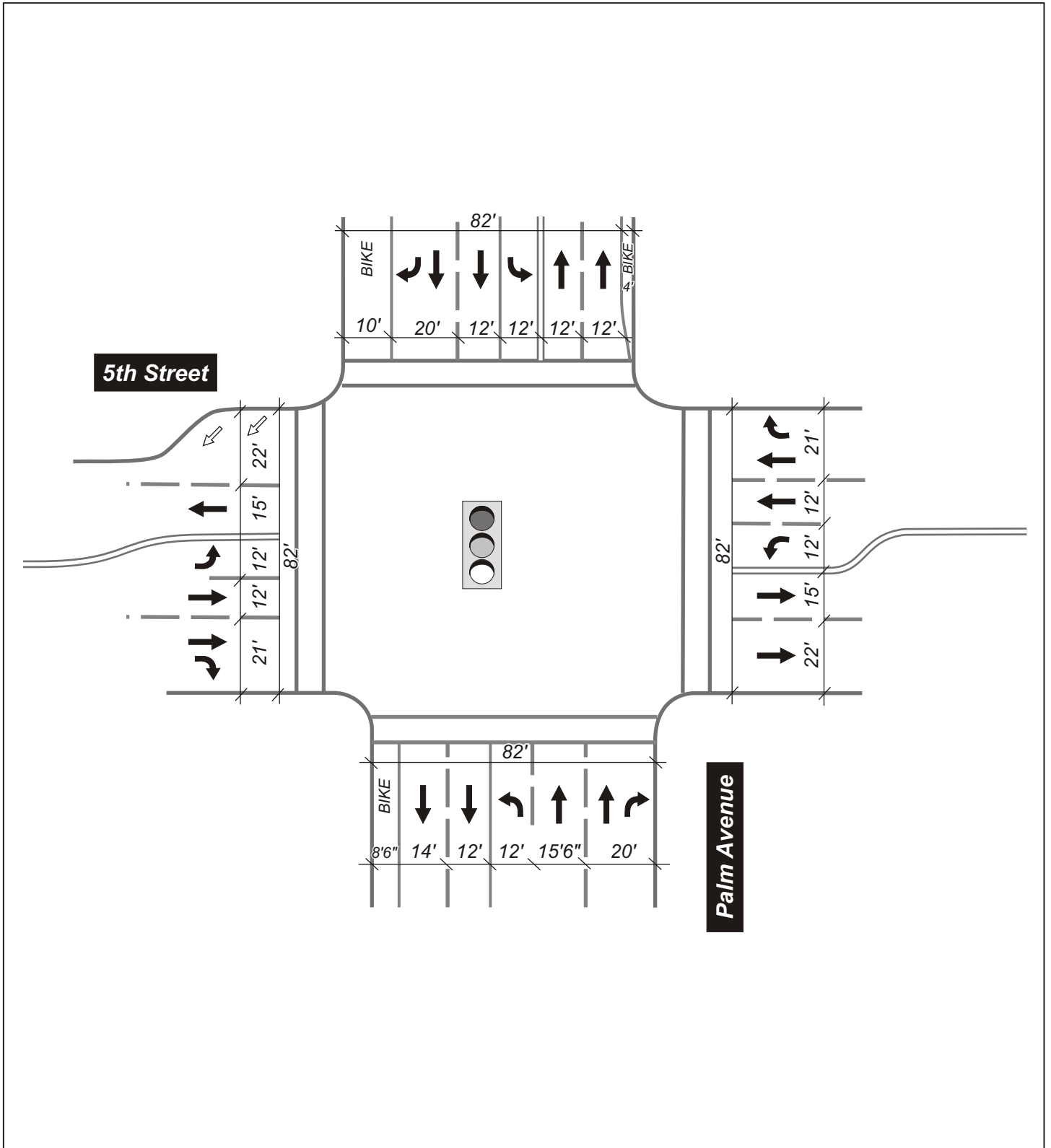


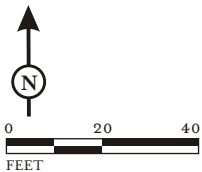
APPENDIX I

**EXISTING AND PROPOSED INTERSECTION GEOMETRICS WITH
MEASUREMENTS**



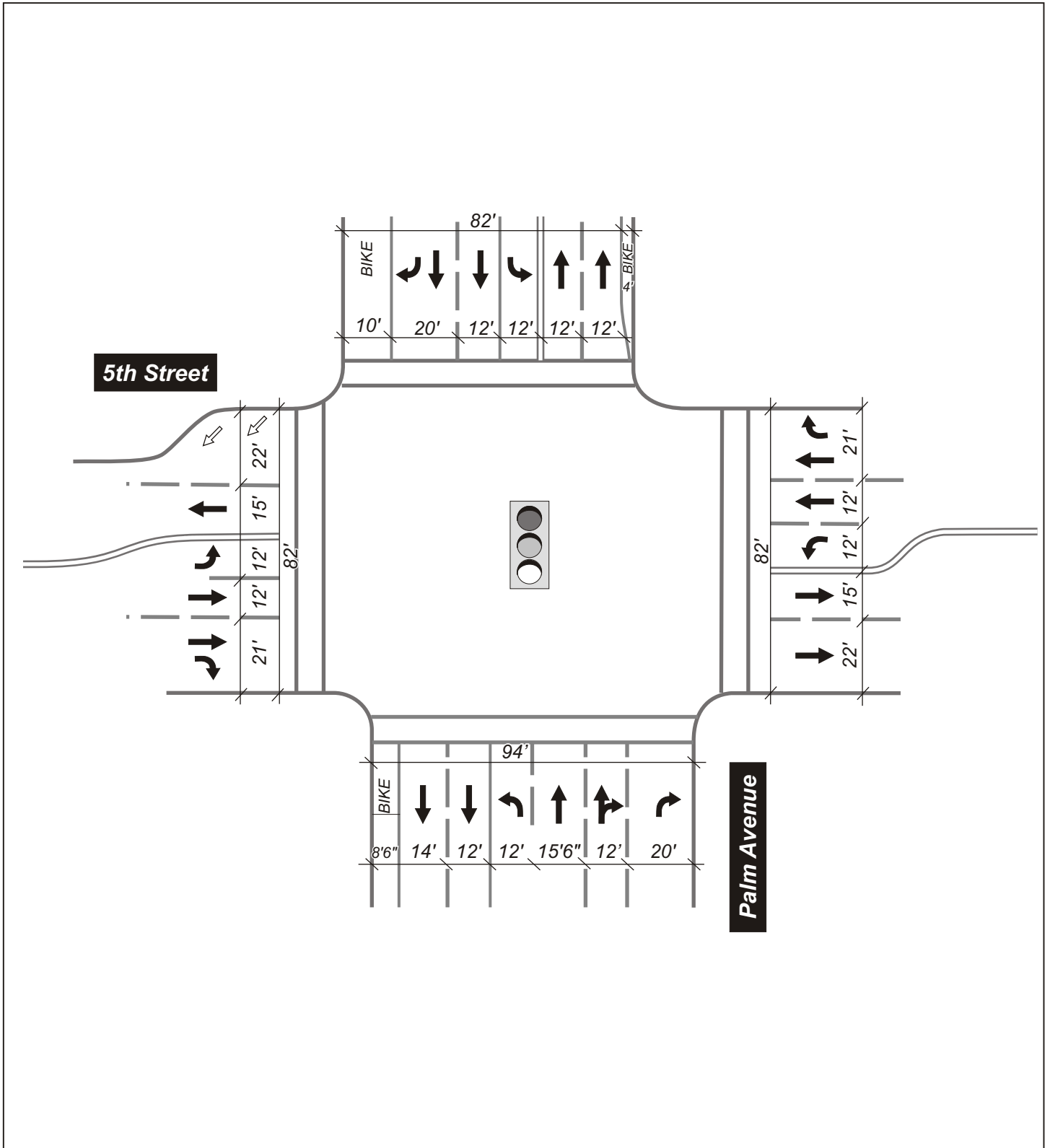
LSA

FIGURE I-1



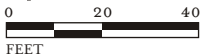
NOTE: The turn pocket lengths and transition tapers are not to scale.

Upper Santa Ana River Wash
5th Street and Palm Avenue
Existing Geometrics



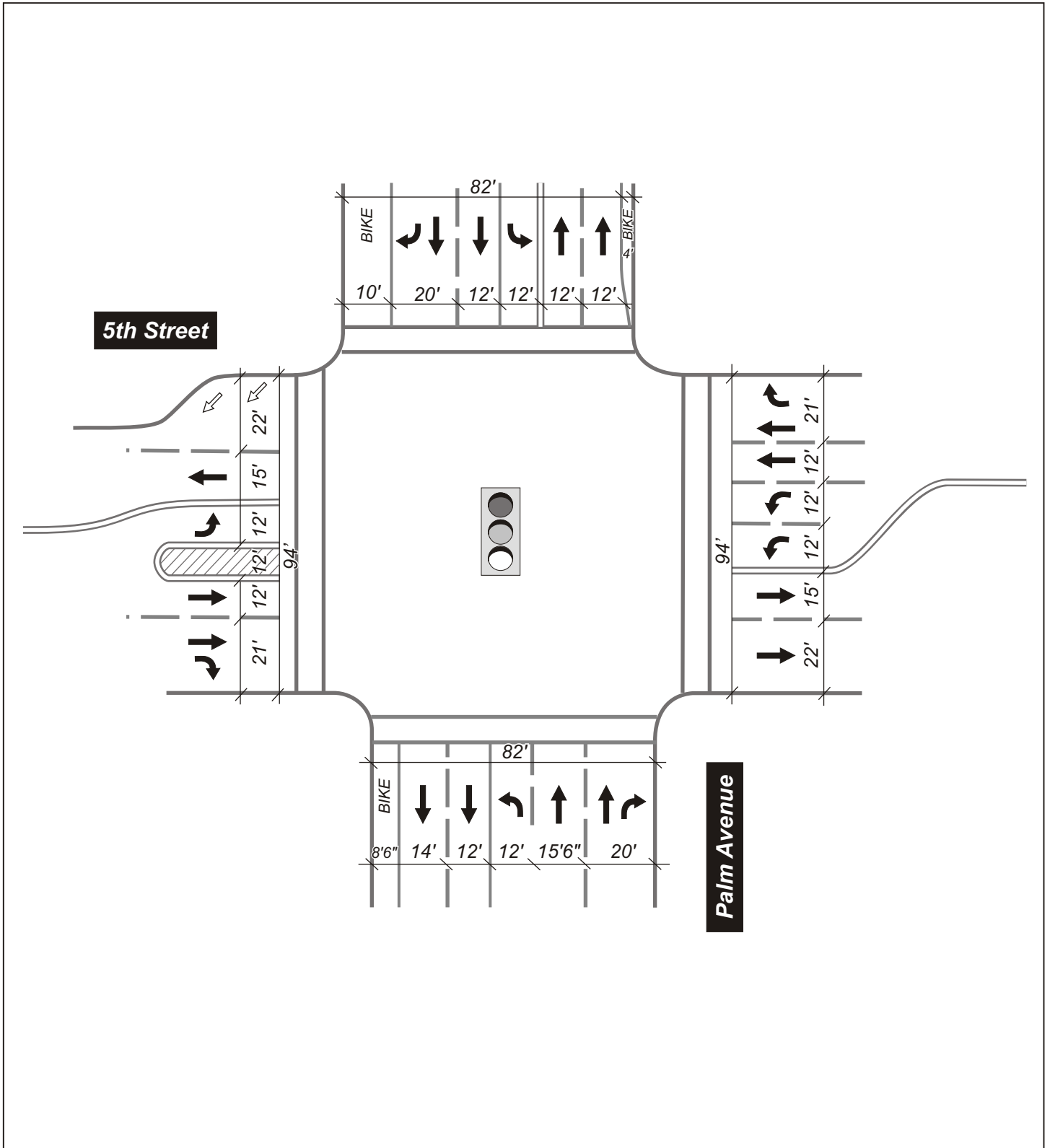
LSA

FIGURE I-2



NOTE: The turn pocket lengths and transition tapers are not to scale.

Upper Santa Ana River Wash
 5th Street and Palm Avenue
 With Mitigations for Year 2008
 Land Use Alternative 2, Access Alternative C



LSA

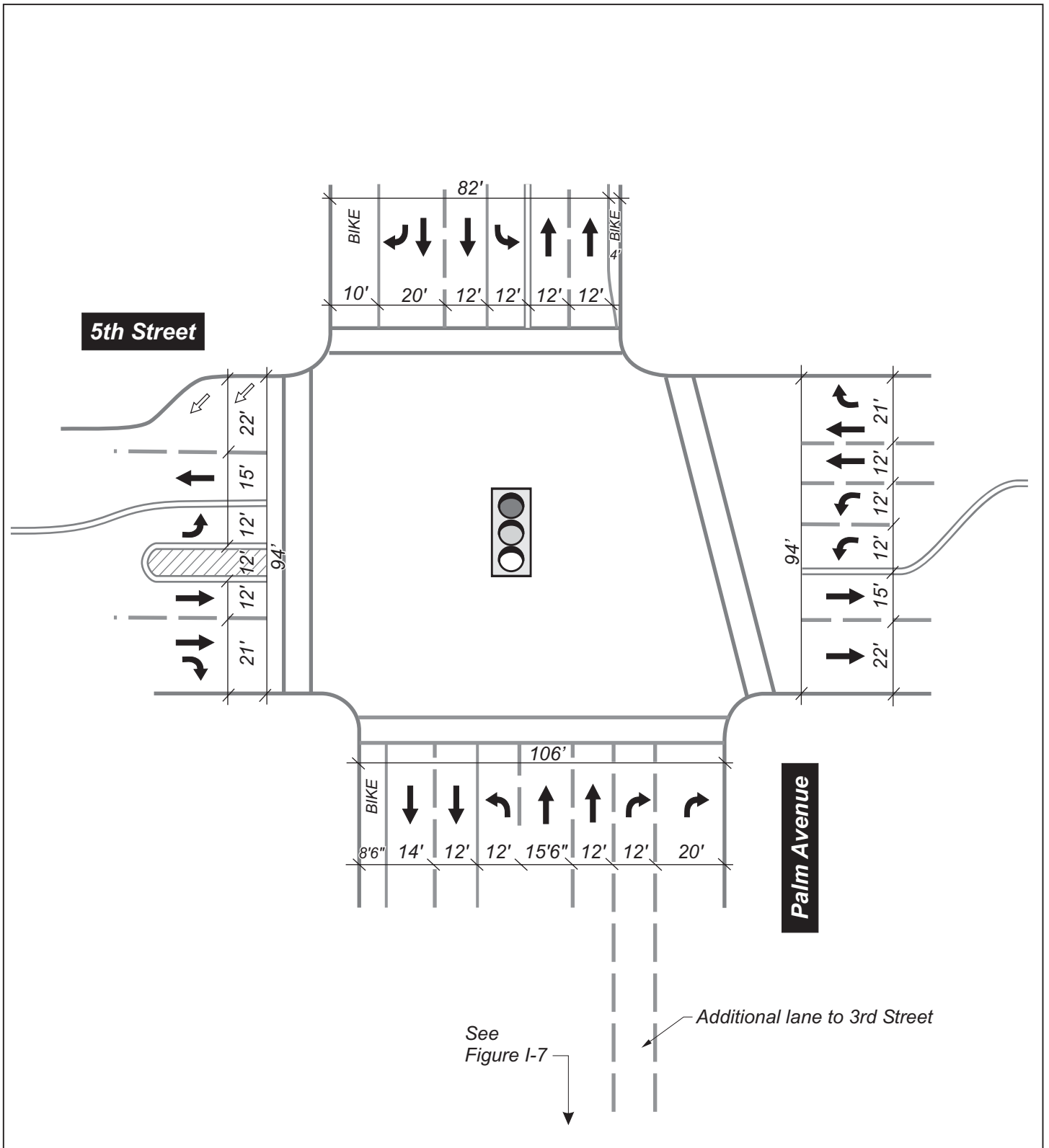
FIGURE I-3

Upper Santa Ana River Wash

5th Street and Palm Avenue With Mitigations for
 Year 2030 Land Use Alternative I, Access Alternative B
 Year 2030 Land Use Alternative I, Access Alternative D



NOTE: The turn pocket lengths and transition tapers are not to scale.

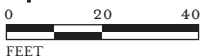


LSA

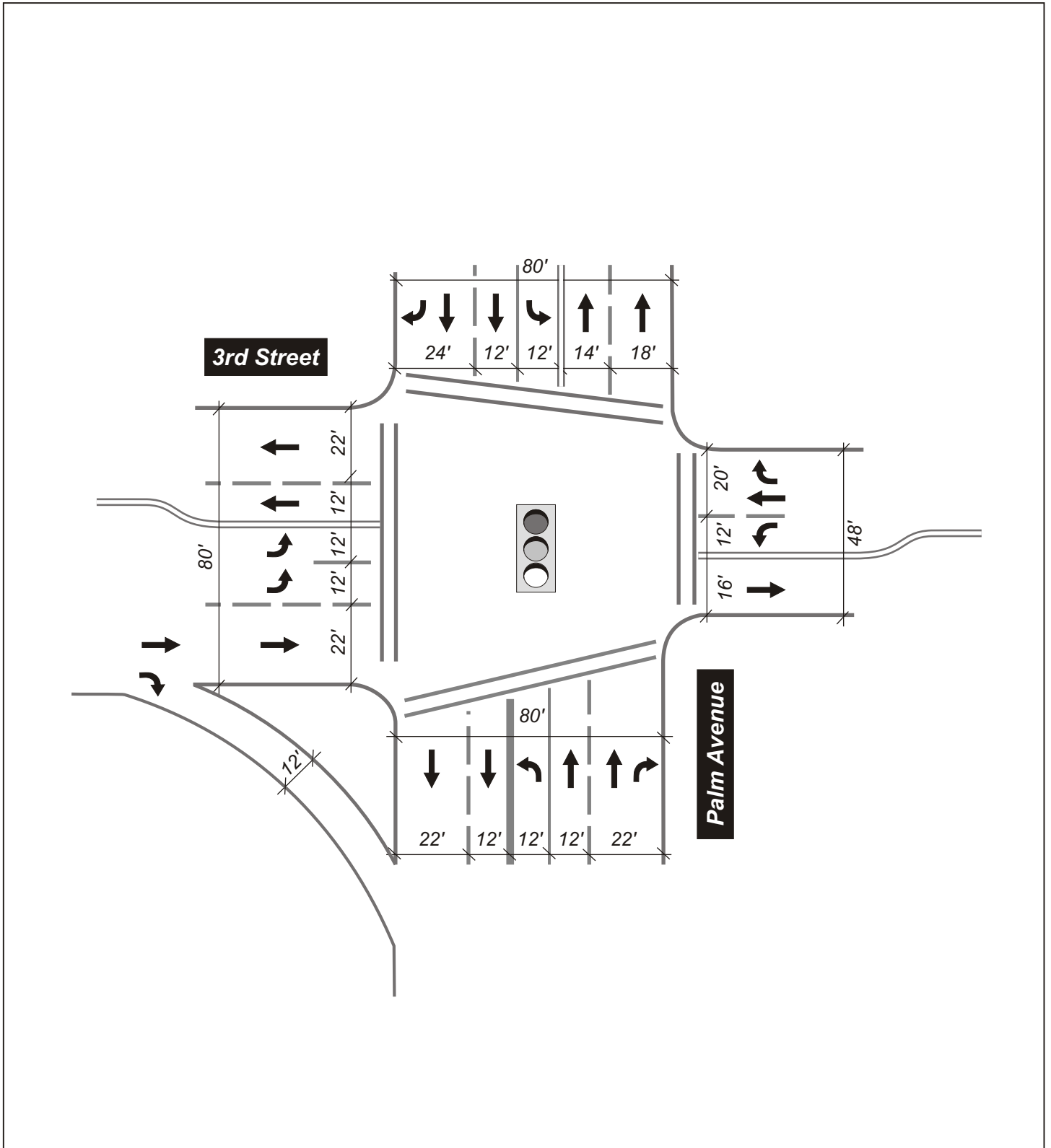
FIGURE I-4

Upper Santa Ana River Wash

5th Street and Palm Avenue With Mitigations for
 Year 2030 Land Use Alternative 1, Access Alternative A
 Year 2030 Land Use Alternative 2, Access Alternative C

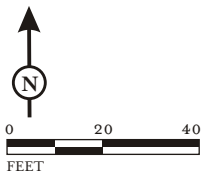


NOTE: The turn pocket lengths and transition tapers are not to scale.



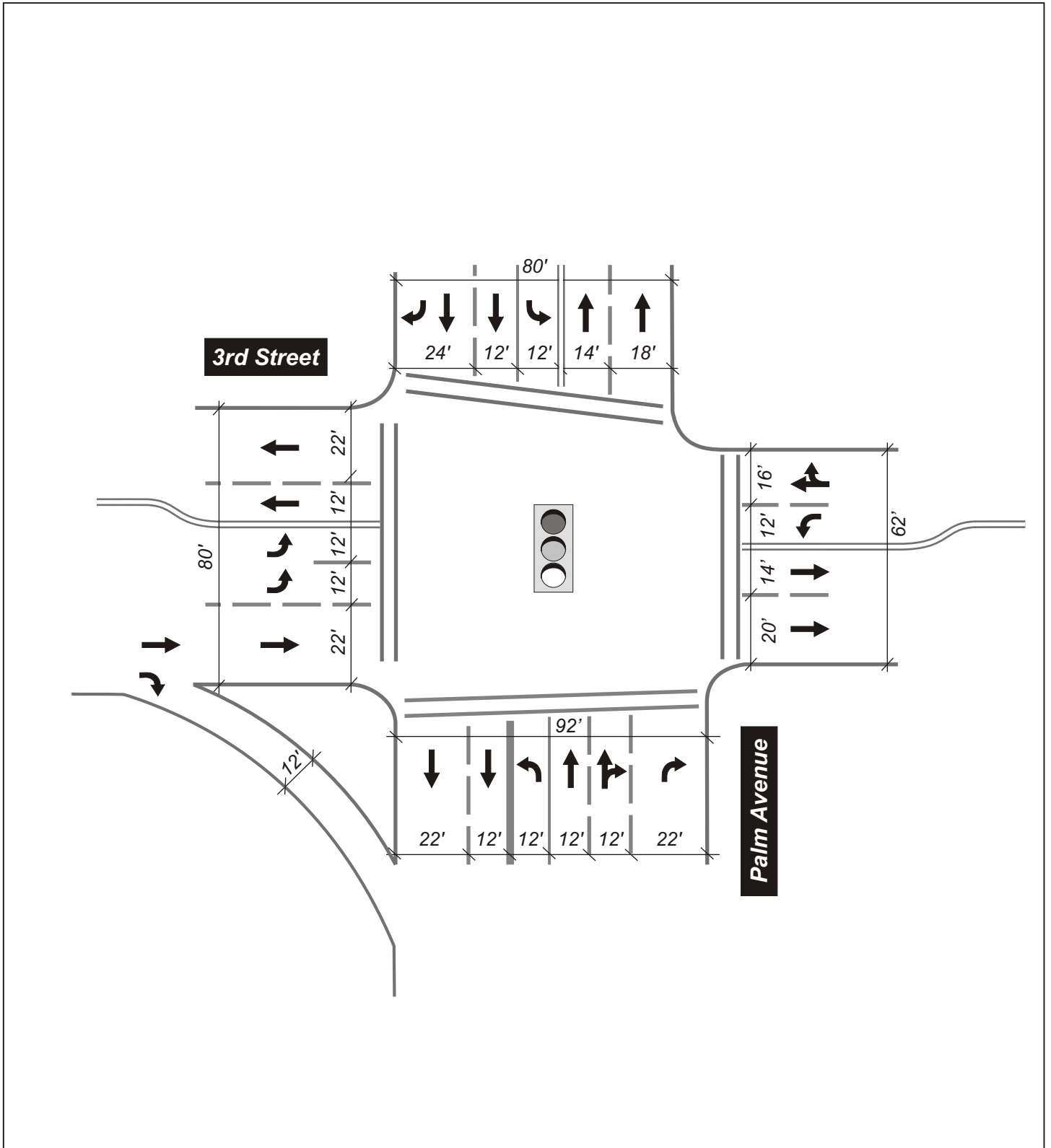
LSA

FIGURE I-5



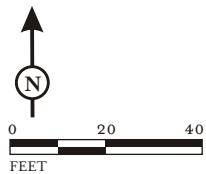
NOTE: The turn pocket lengths and transition tapers are not to scale.

Upper Santa Ana River Wash
3rd Street and Palm Avenue
Existing Geometrics



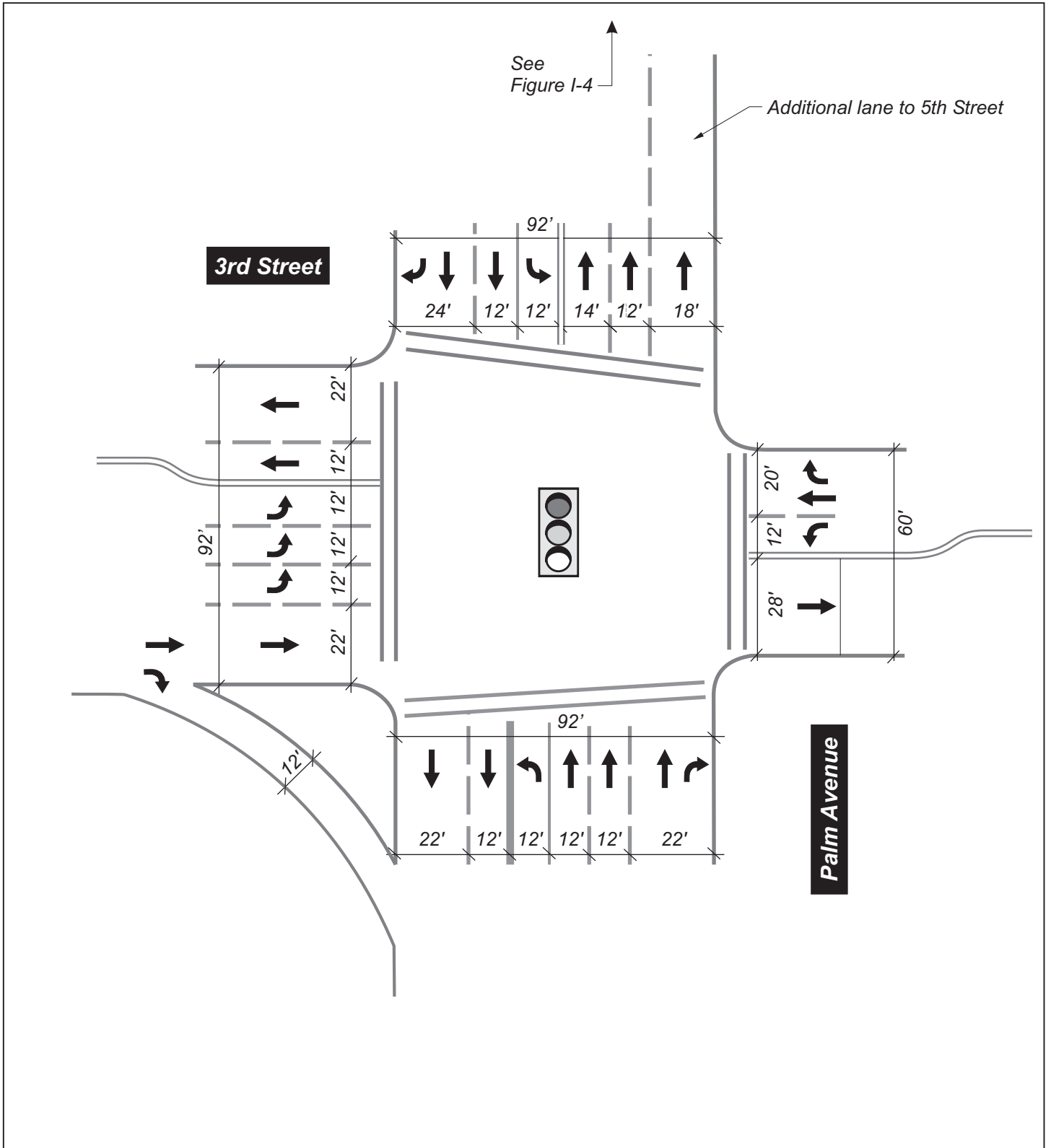
LSA

FIGURE I-6



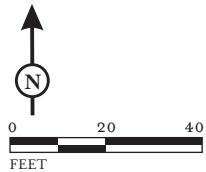
NOTE: The turn pocket lengths and transition tapers are not to scale.

Upper Santa Ana River Wash
 3rd Street and Palm Avenue
 With Mitigations for Year 2030
 Land Use Alternative I, Access Alternatives B and D



LSA

FIGURE I-7



NOTE: The turn pocket lengths and transition tapers are not to scale.

Upper Santa Ana River Wash

3rd Street and Palm Avenue With Mitigations for
Year 2030 Land Use Alternative 1, Access Alternative A
Year 2030 Land Use Alternative 2, Access Alternative C

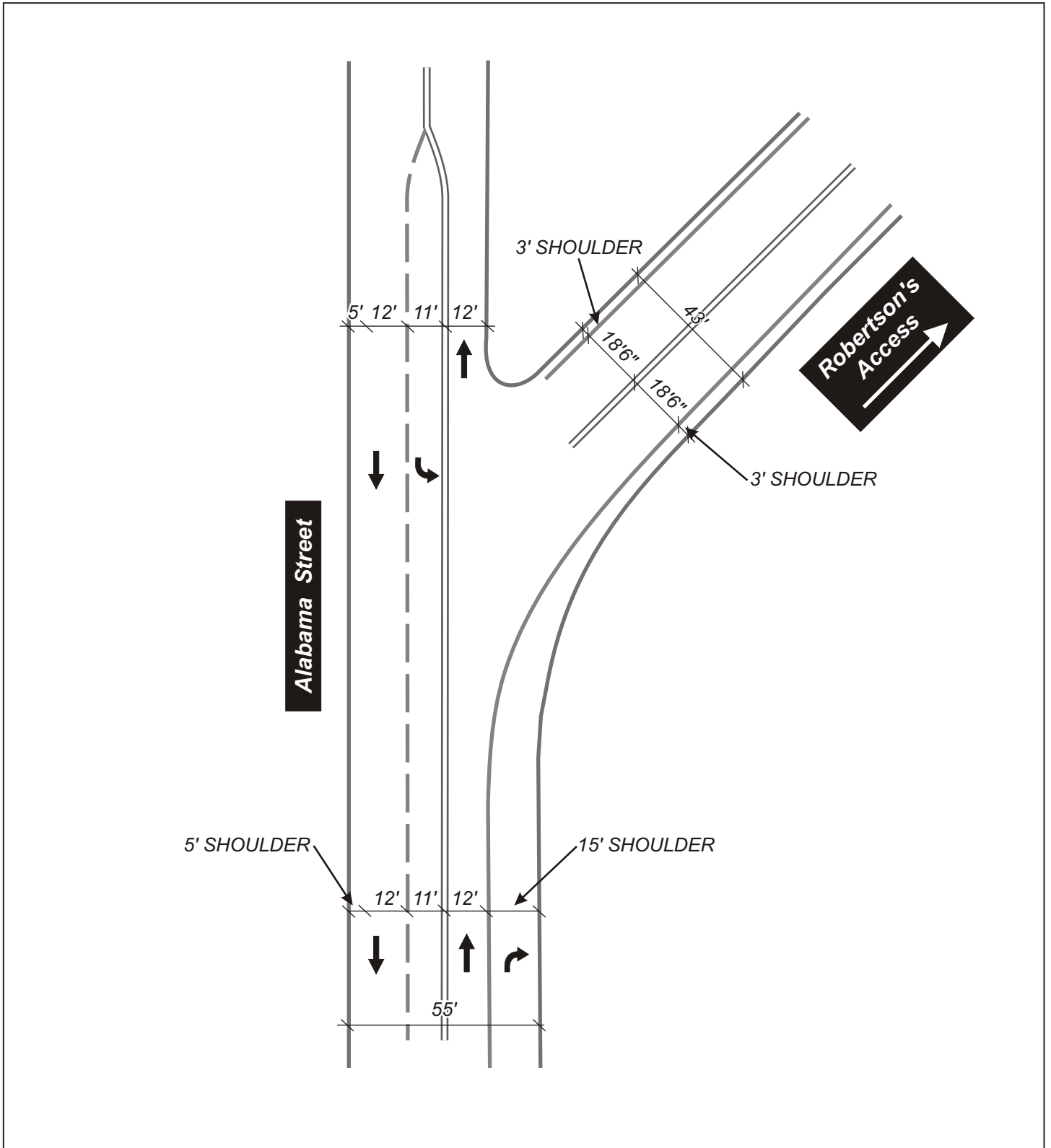


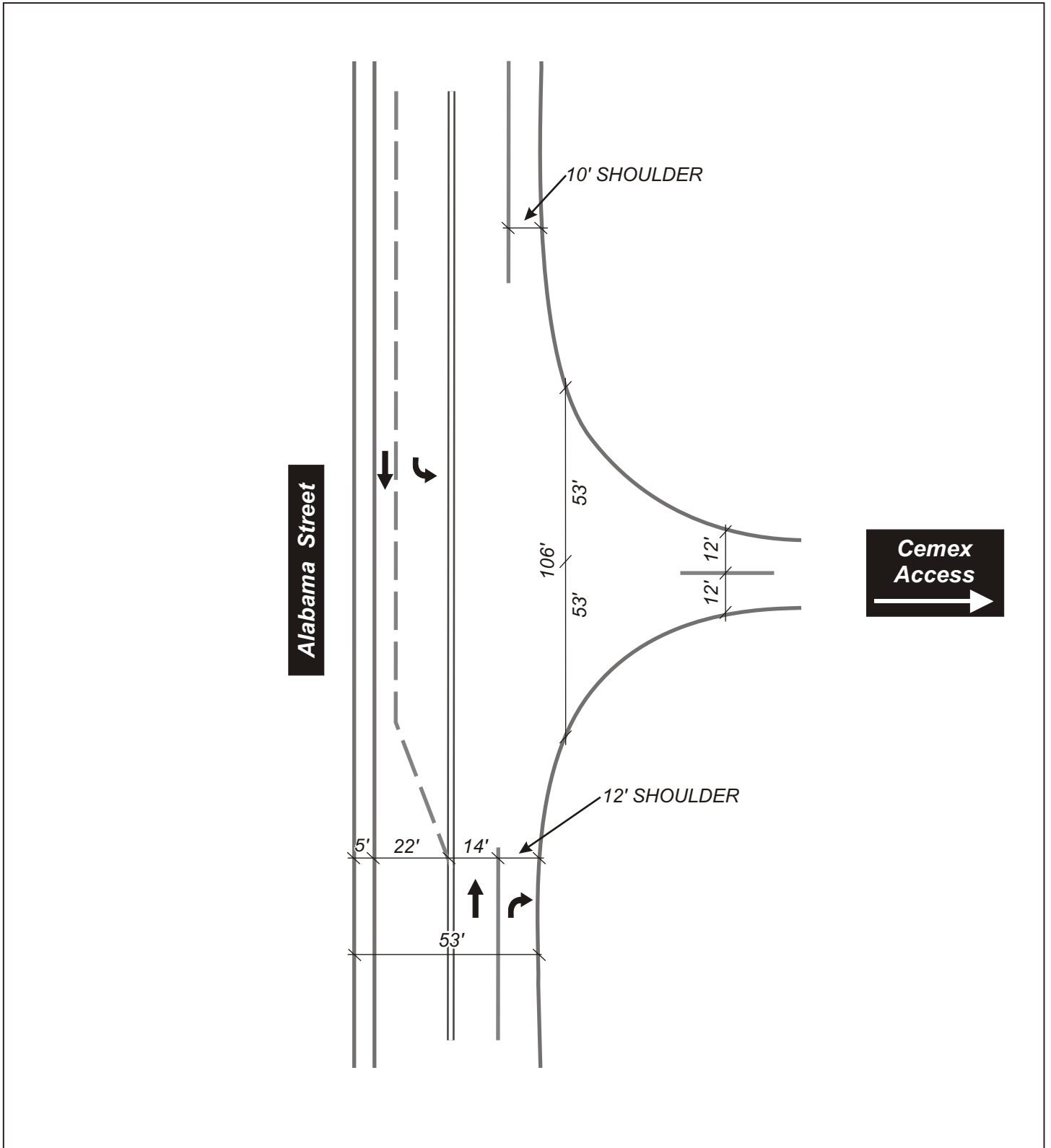
FIGURE I-8

LSA



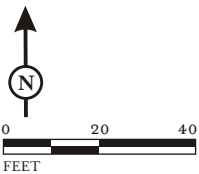
NOTE: The turn pocket lengths and transition tapers are not to scale.

Upper Santa Ana River Wash
Alabama Street and Robertson's Access
Existing Geometrics



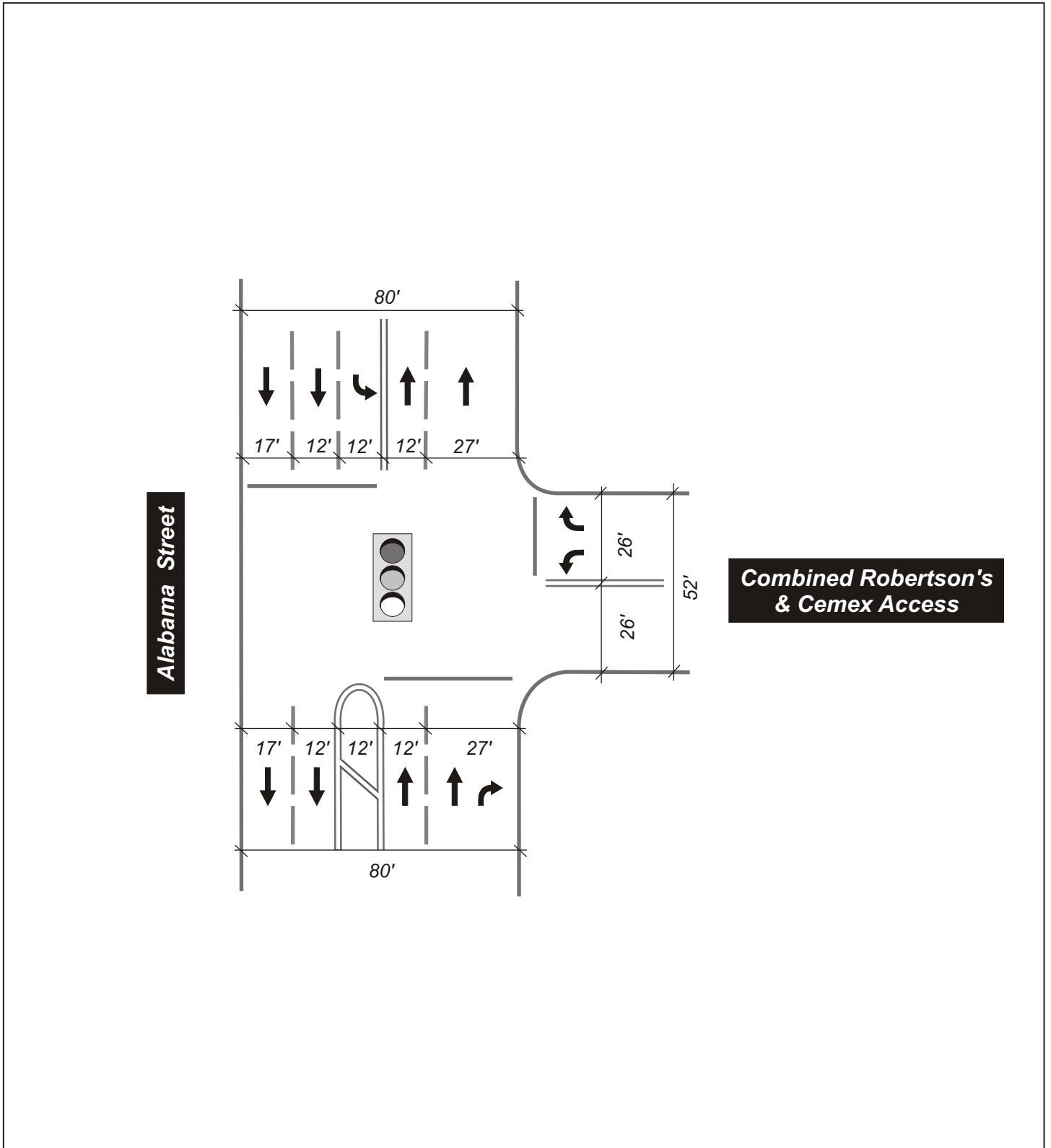
LSA

FIGURE I-9



NOTE: The turn pocket lengths and transition tapers are not to scale.

Upper Santa Ana River Wash
Alabama Street and Cemex Access
Existing Geometrics



**Combined Robertson's
& Cemex Access**

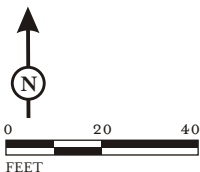
Alabama Street

LSA

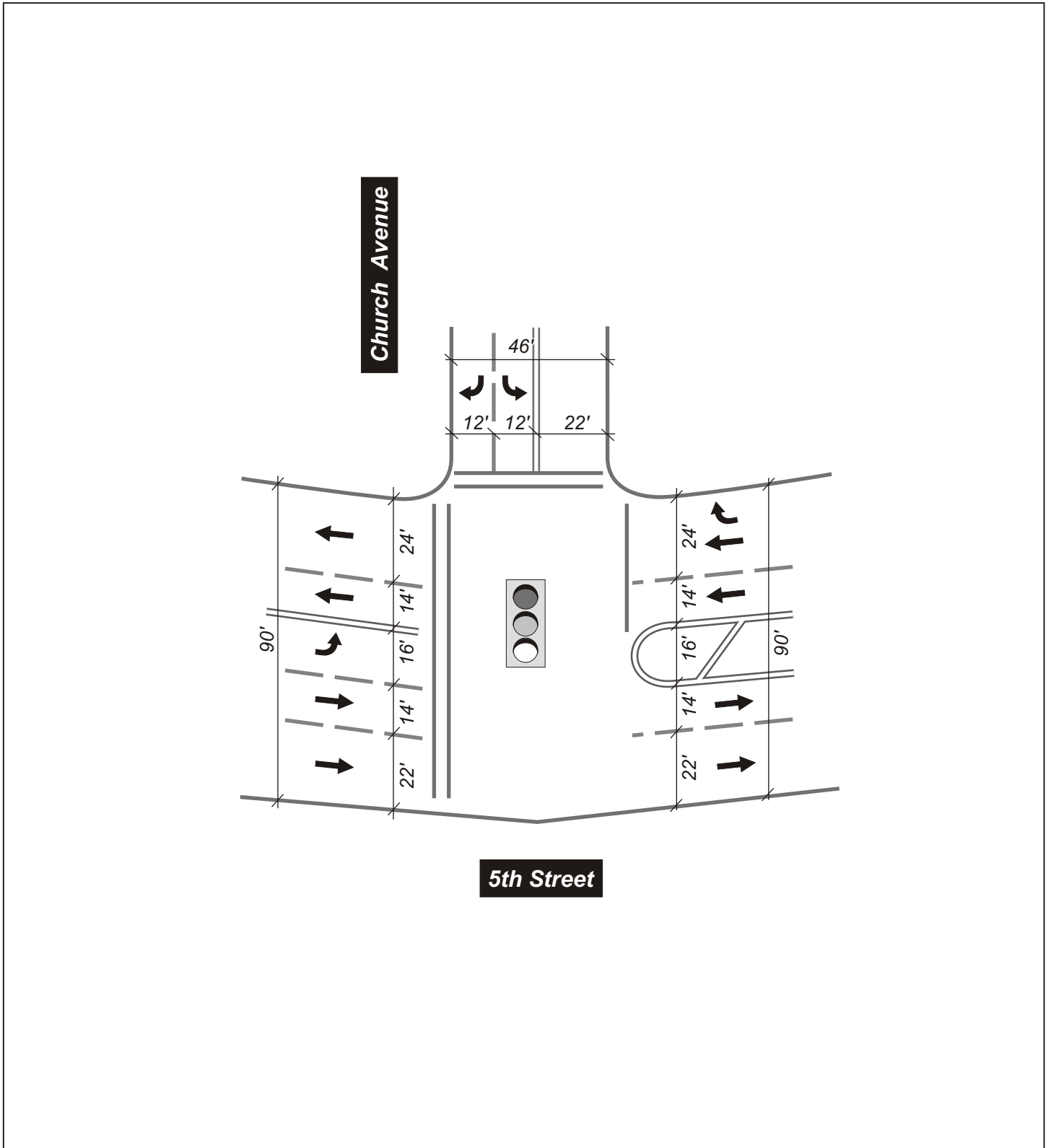
FIGURE I-10

Upper Santa Ana River Wash

Alabama Street and Robertson's/Cemex Combined Access With Mitigation for
 Year 2030 Land Use Alternative 1, Access Alternative A
 Year 2030 Land Use Alternative 1, Access Alternative B
 Year 2030 Land Use Alternative 1, Access Alternative D
 Year 2030 Land Use Alternative 2, Access Alternative C

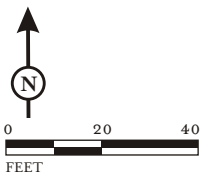


NOTE: The turn pocket lengths
and transition tapers are not to scale.



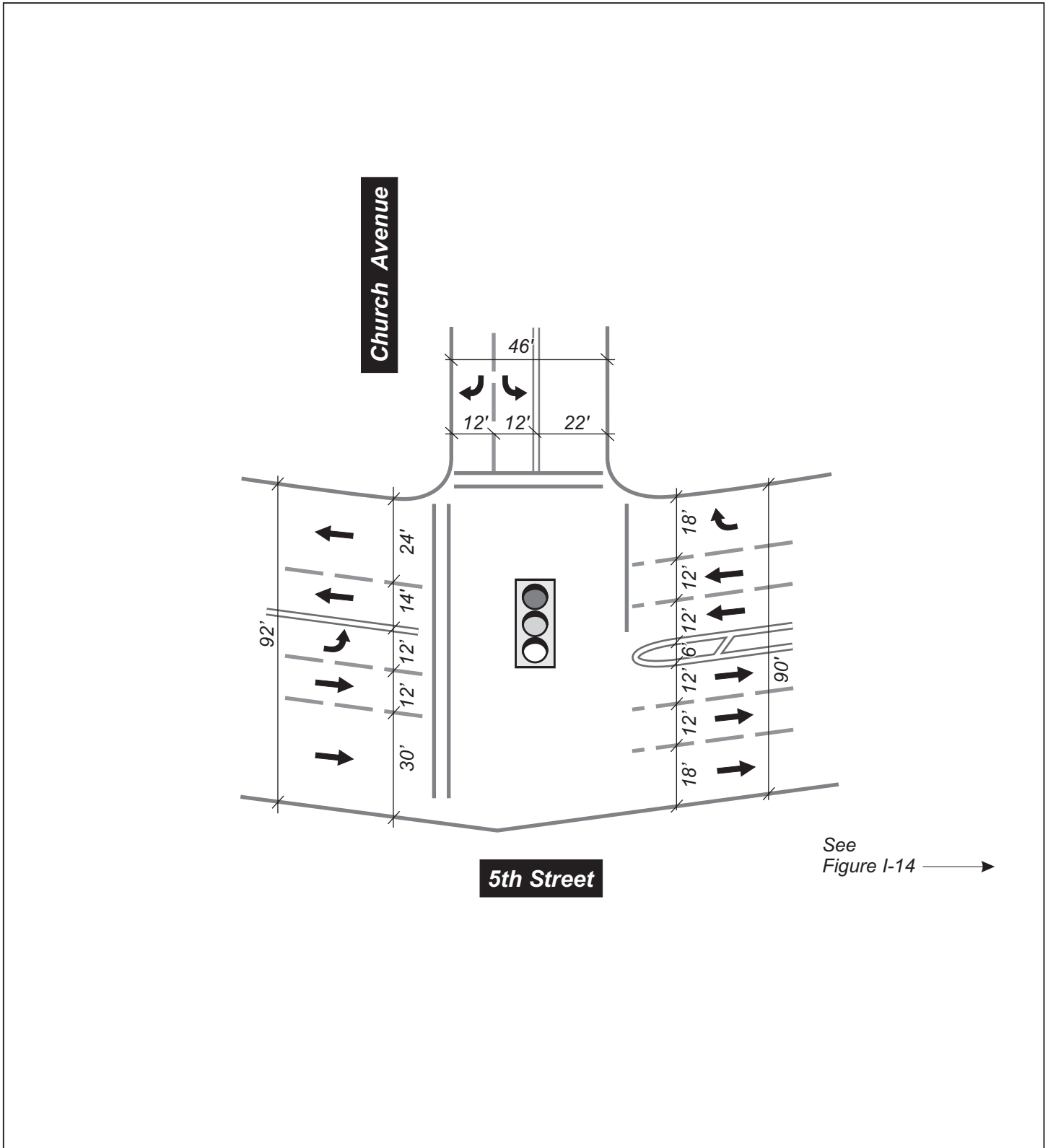
LSA

FIGURE I-11



NOTE: The turn pocket lengths and transition tapers are not to scale.

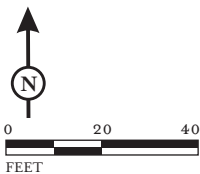
Upper Santa Ana River Wash
 Church Avenue and 5th Street
 Existing Geometrics



See
Figure I-14 →

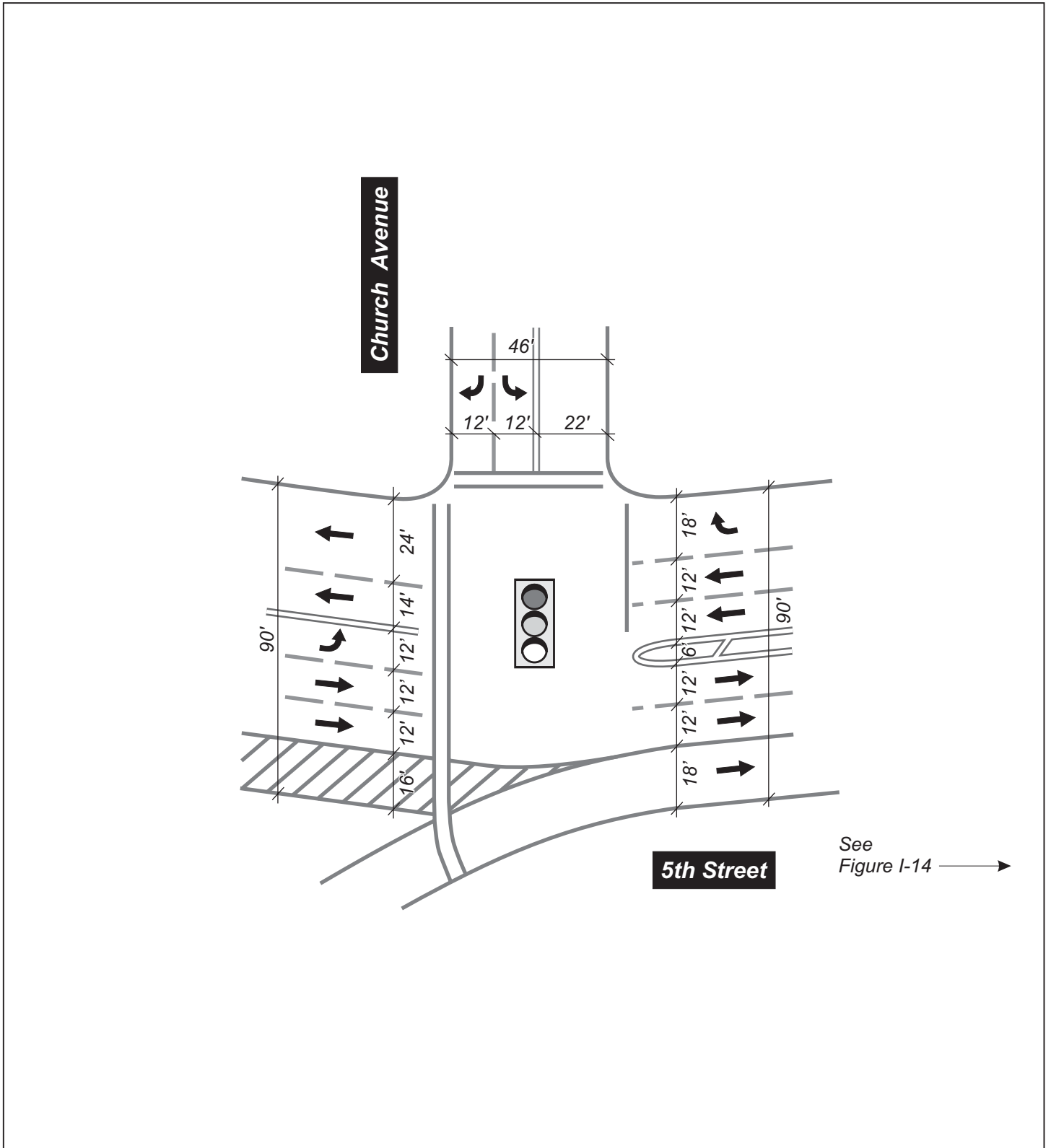
LSA

FIGURE I-12



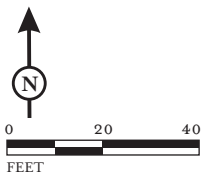
NOTE: The turn pocket lengths
and transition tapers are not to scale.

Upper Santa Ana River Wash
Church Avenue and 5th Street
Year 2030 Land Use Alternative 1, Access Alternative A
Year 2030 Land Use Alternative 2, Access Alternative C



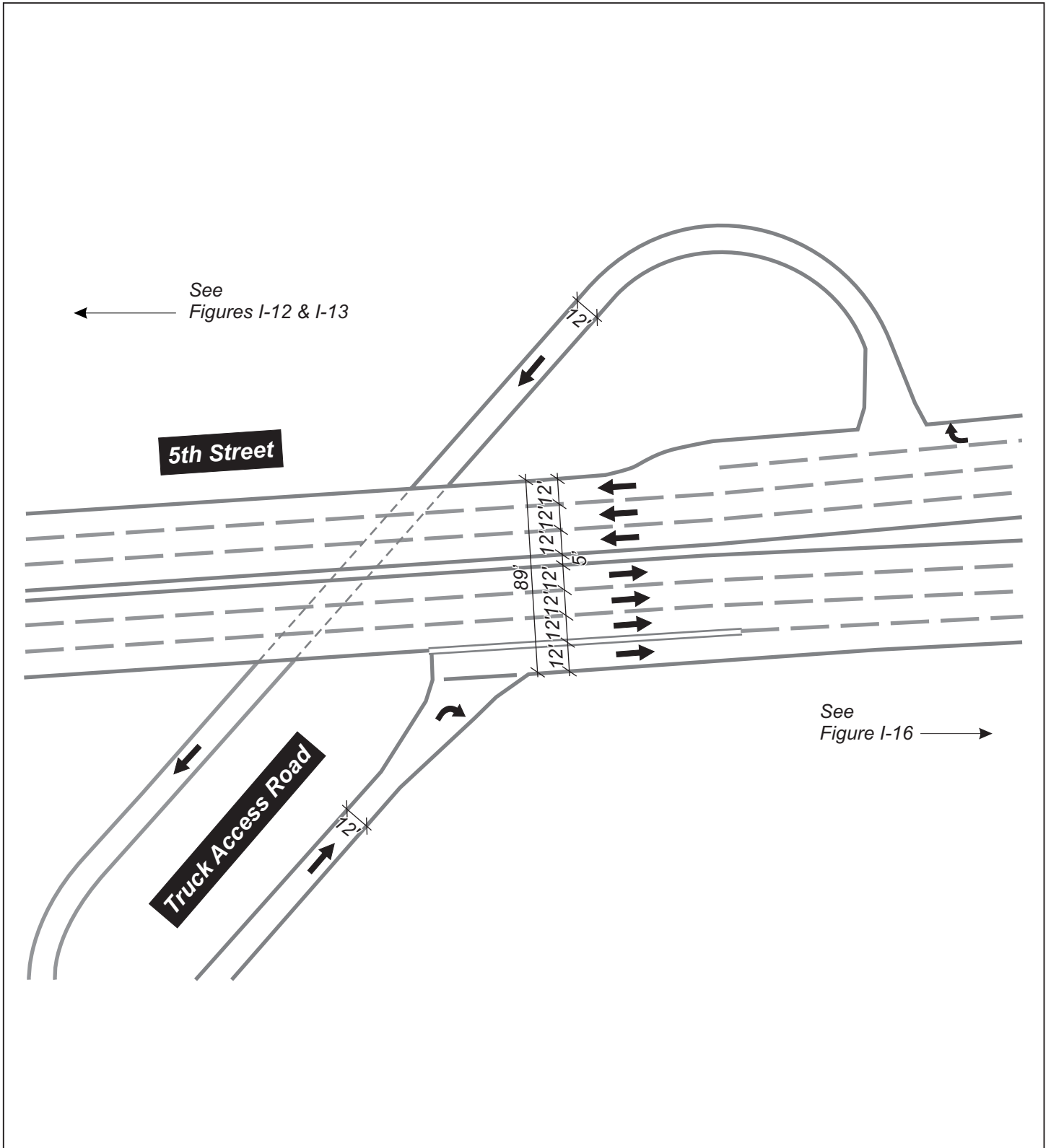
LSA

FIGURE I-13



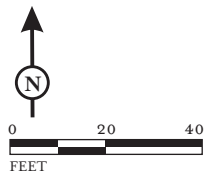
NOTE: The turn pocket lengths and transition tapers are not to scale.

Upper Santa Ana River Wash
 Church Avenue and 5th Street With Mitigations for
 Land Use Alternative I, Access Alternative B
 Land Use Alternative I, Access Alternative D

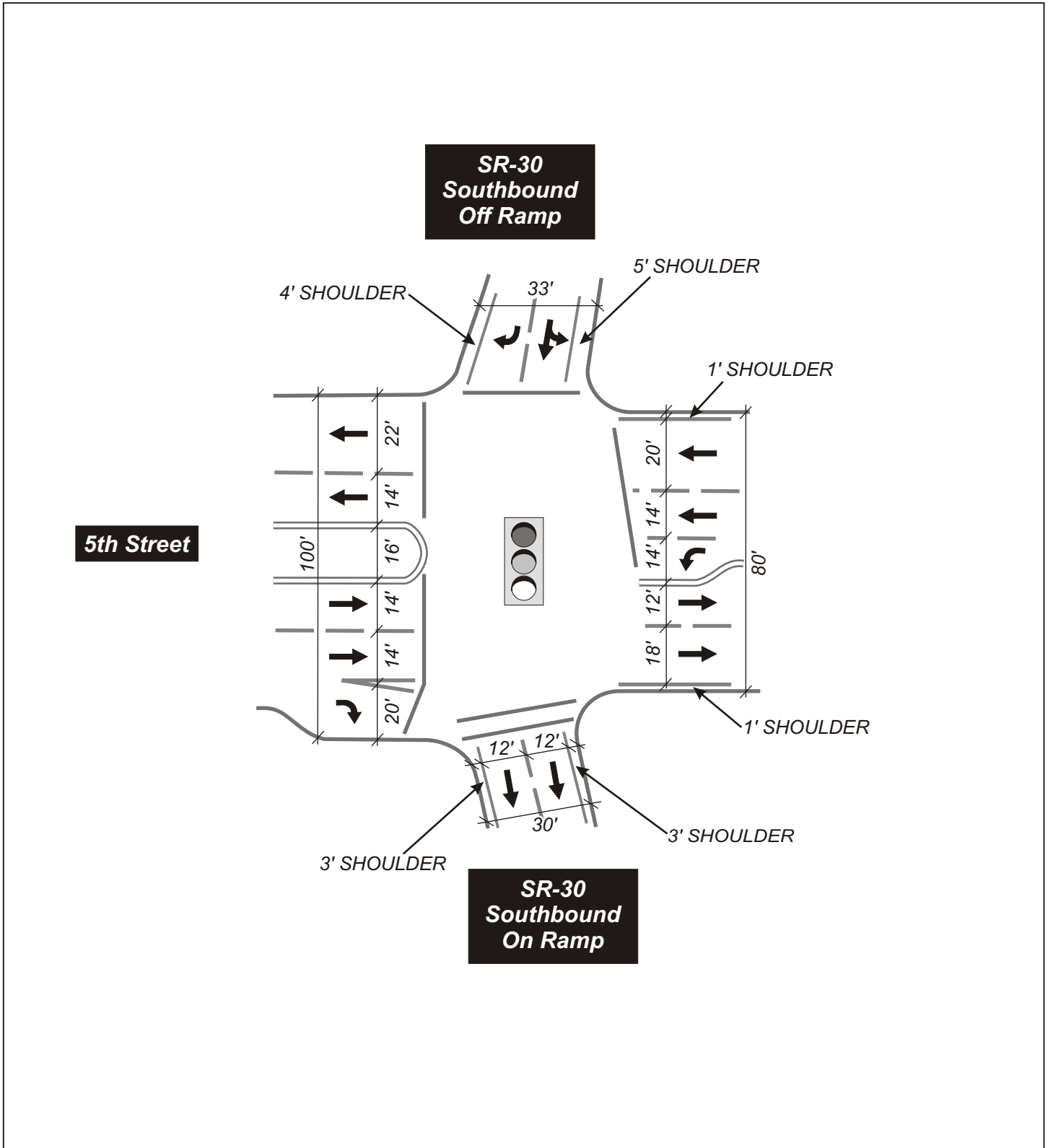


LSA

FIGURE I-14

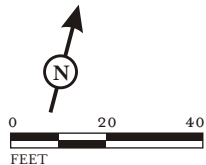


Upper Santa Ana River Wash
 5th Street and Truck Access Road
 Land Use Alternative I, Access Alternative A
 Land Use Alternative I, Access Alternative D



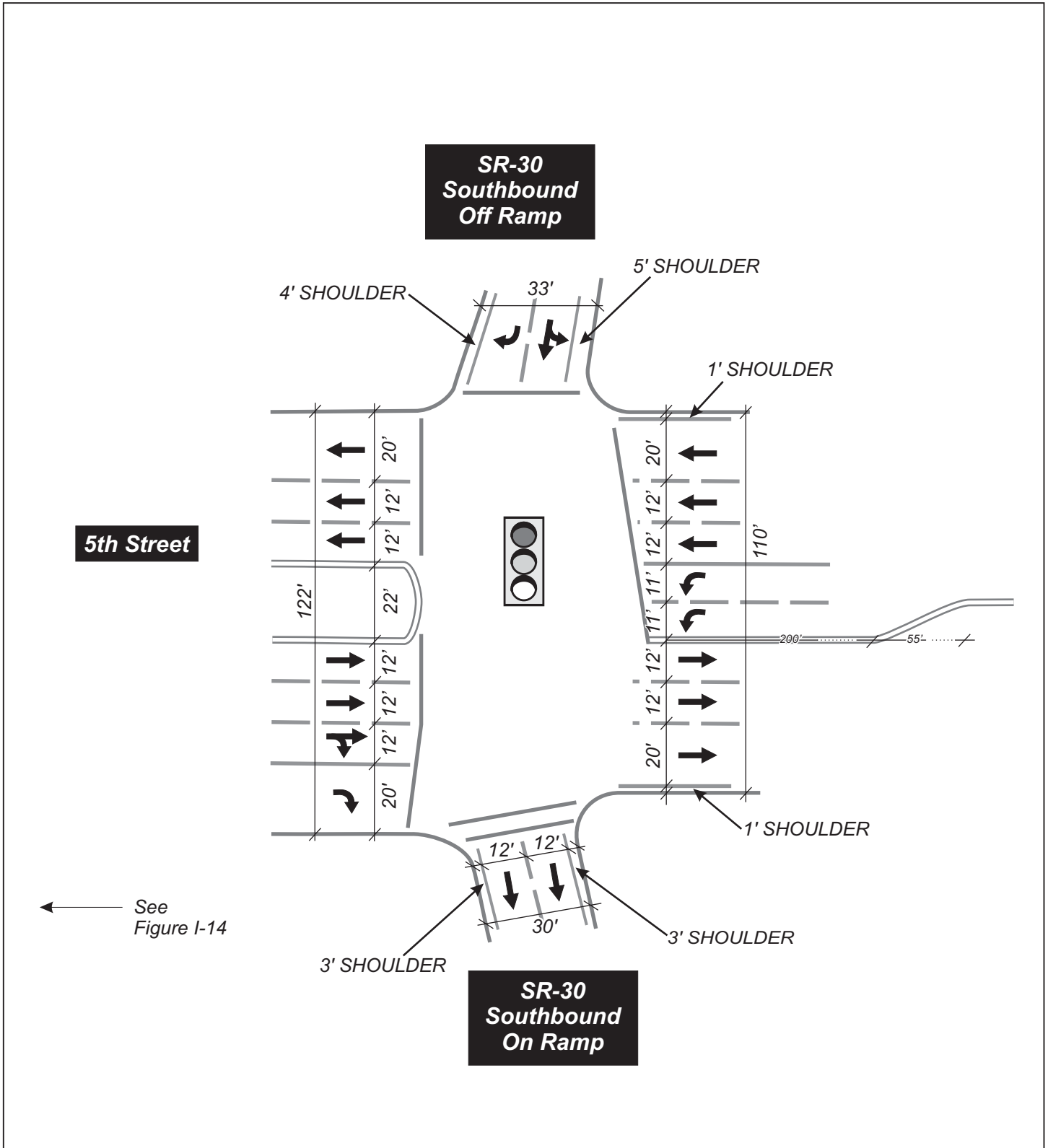
LSA

FIGURE I-15



NOTE: The turn pocket lengths and transition tapers are not to scale.

Upper Santa Ana River Wash
SR-30 Southbound and 5th Street
Existing Geometrics



5th Street

**SR-30
Southbound
Off Ramp**

**SR-30
Southbound
On Ramp**

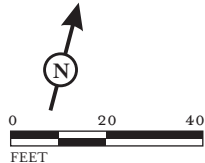
See
Figure I-14

LSA

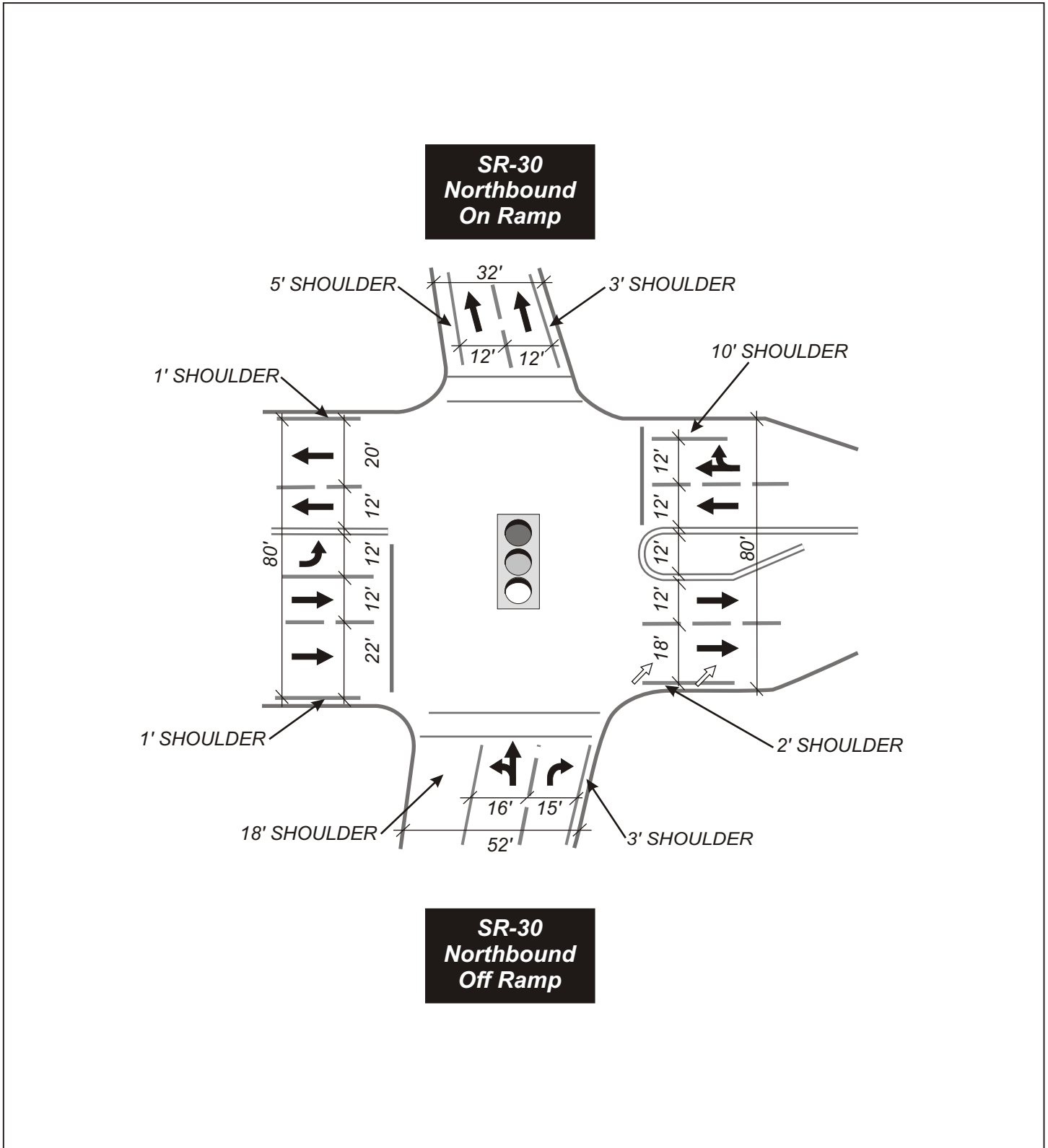
FIGURE I-16

Upper Santa Ana River Wash

SR-30 Southbound and 5th Street With Mitigation for
 Year 2030 Land Use Alternative I, Access Alternative A
 Year 2030 Land Use Alternative I, Access Alternative B
 Year 2030 Land Use Alternative I, Access Alternative D
 Year 2030 Land Use Alternative I, Access Alternative C

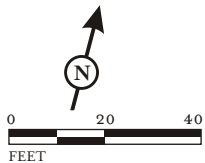


NOTE: The turn pocket lengths
and transition tapers are not to scale.



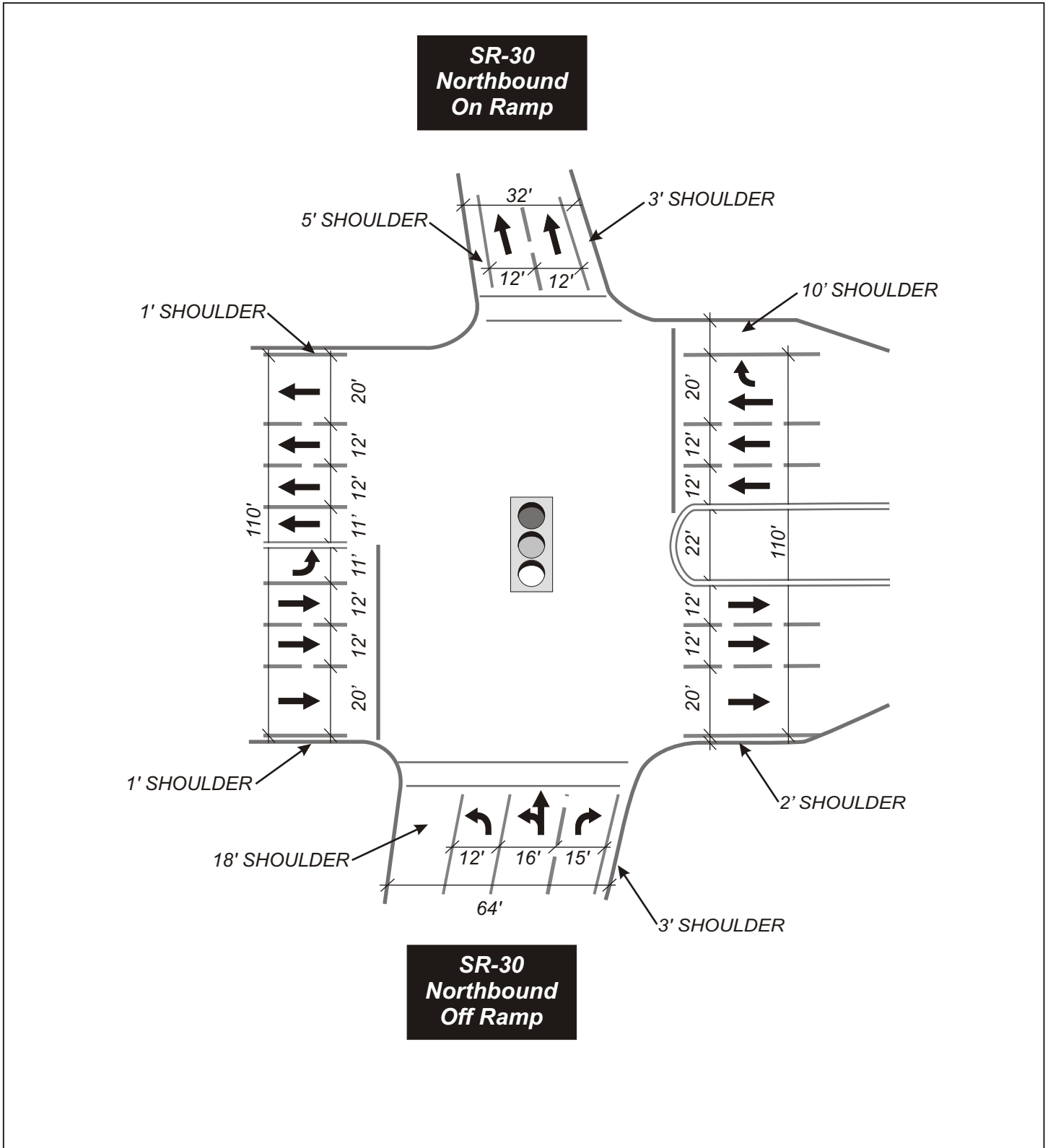
LSA

FIGURE I-17



NOTE: The turn pocket lengths and transition tapers are not to scale.

Upper Santa Ana River Wash
 SR-30 Northbound and 5th Street
 Existing Geometrics

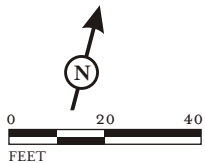


LSA

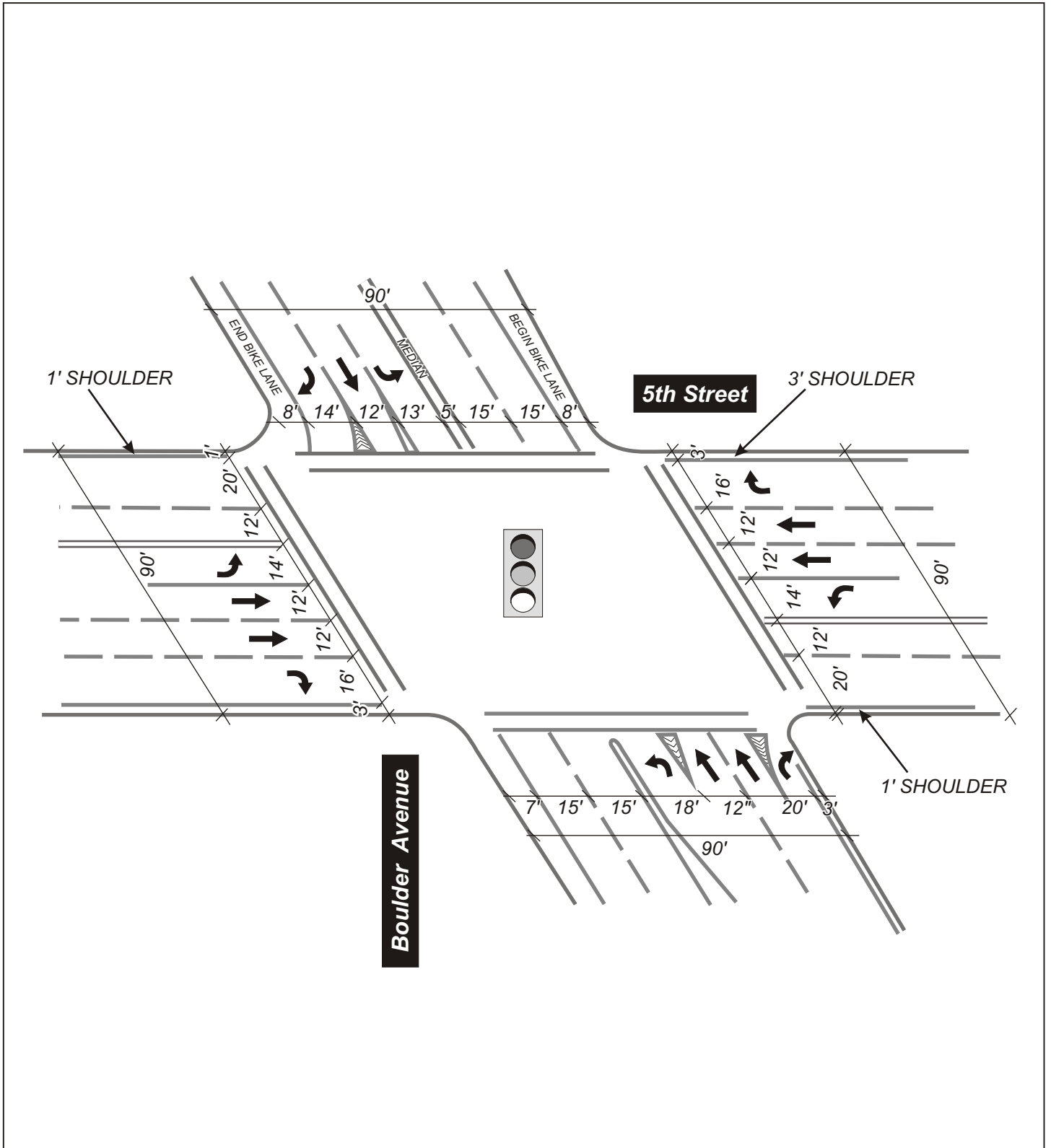
FIGURE I-18

Upper Santa Ana River Wash

SR-30 Northbound and 5th Street With Mitigation for
 Year 2030 Land Use Alternative I, Access Alternative A
 Year 2030 Land Use Alternative I, Access Alternative B
 Year 2030 Land Use Alternative I, Access Alternative D
 Year 2030 Land Use Alternative 2, Access Alternative C

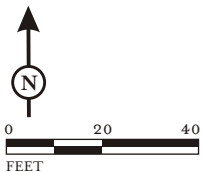


NOTE: The turn pocket lengths and transition tapers are not to scale.



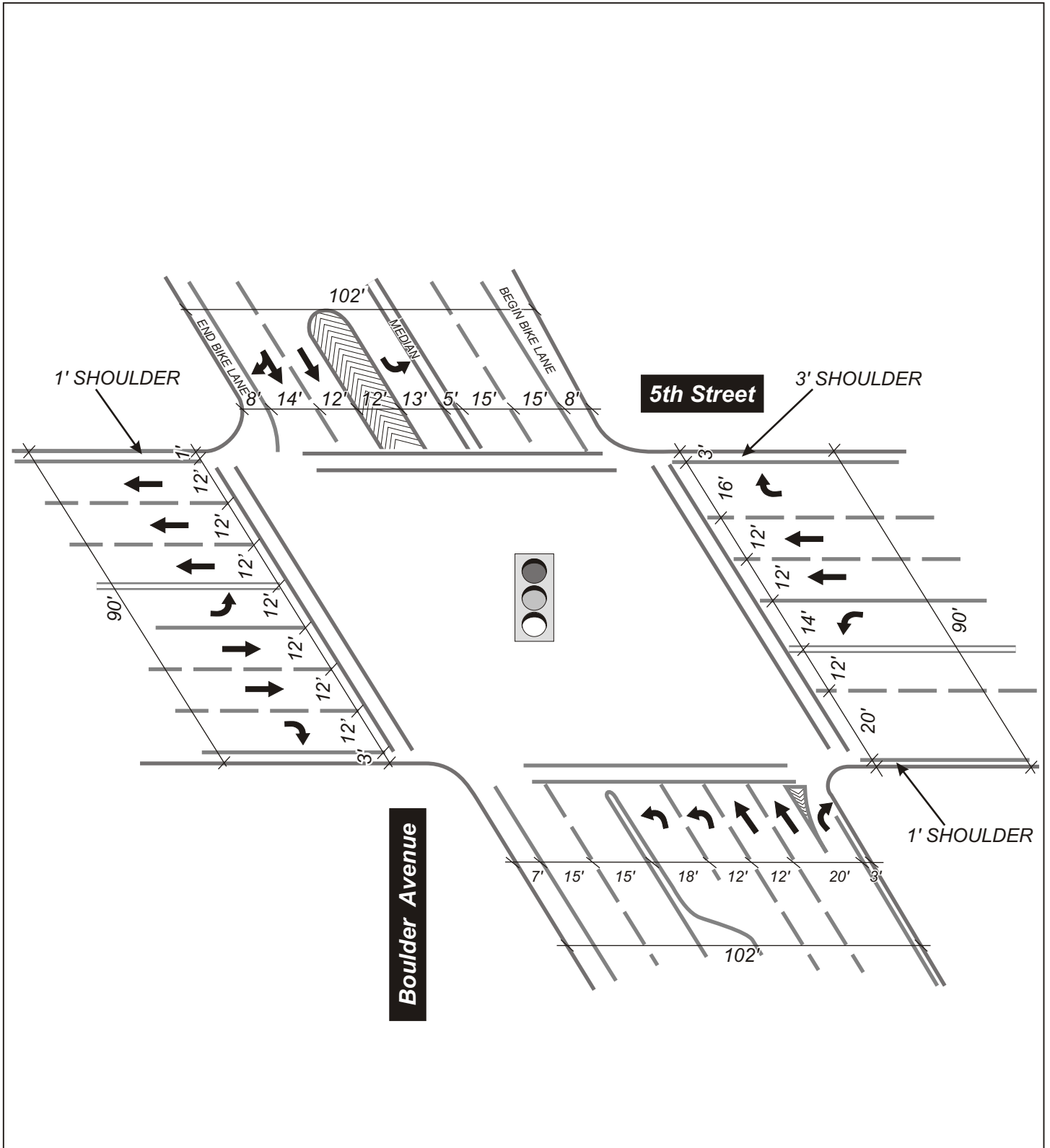
LSA

FIGURE I-19



NOTE: The turn pocket lengths and transition tapers are not to scale.

Upper Santa Ana River Wash
 Boulder Avenue and 5th Street
 Existing Geometrics



LSA

FIGURE I-20

Upper Santa Ana River Wash

Boulder Avenue and 5th Street With Mitigations for

Year 2030 Alternative 1A

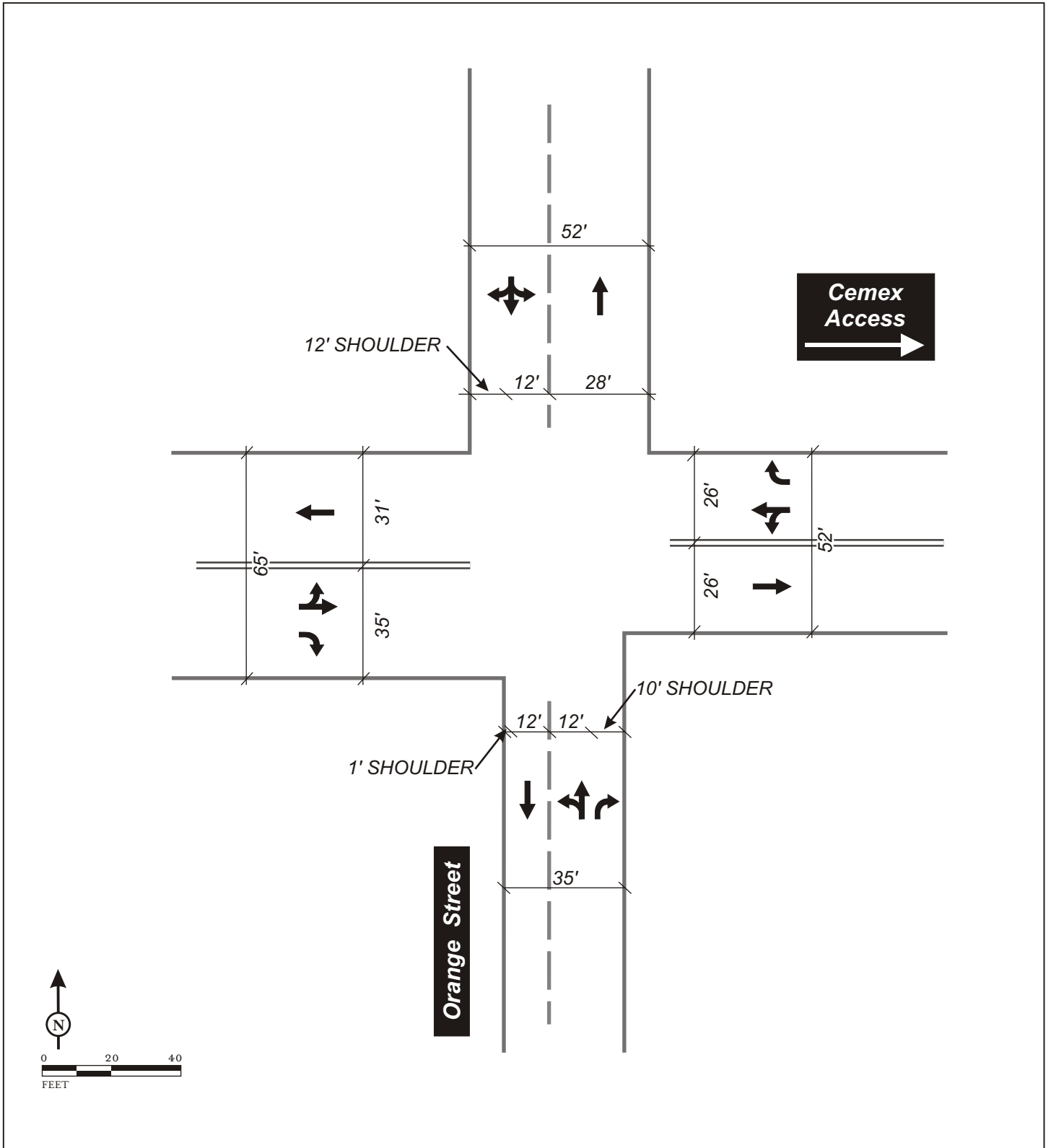
Year 2030 Alternative 1B

Year 2030 Alternative 1D

Year 2030 Alternative 2



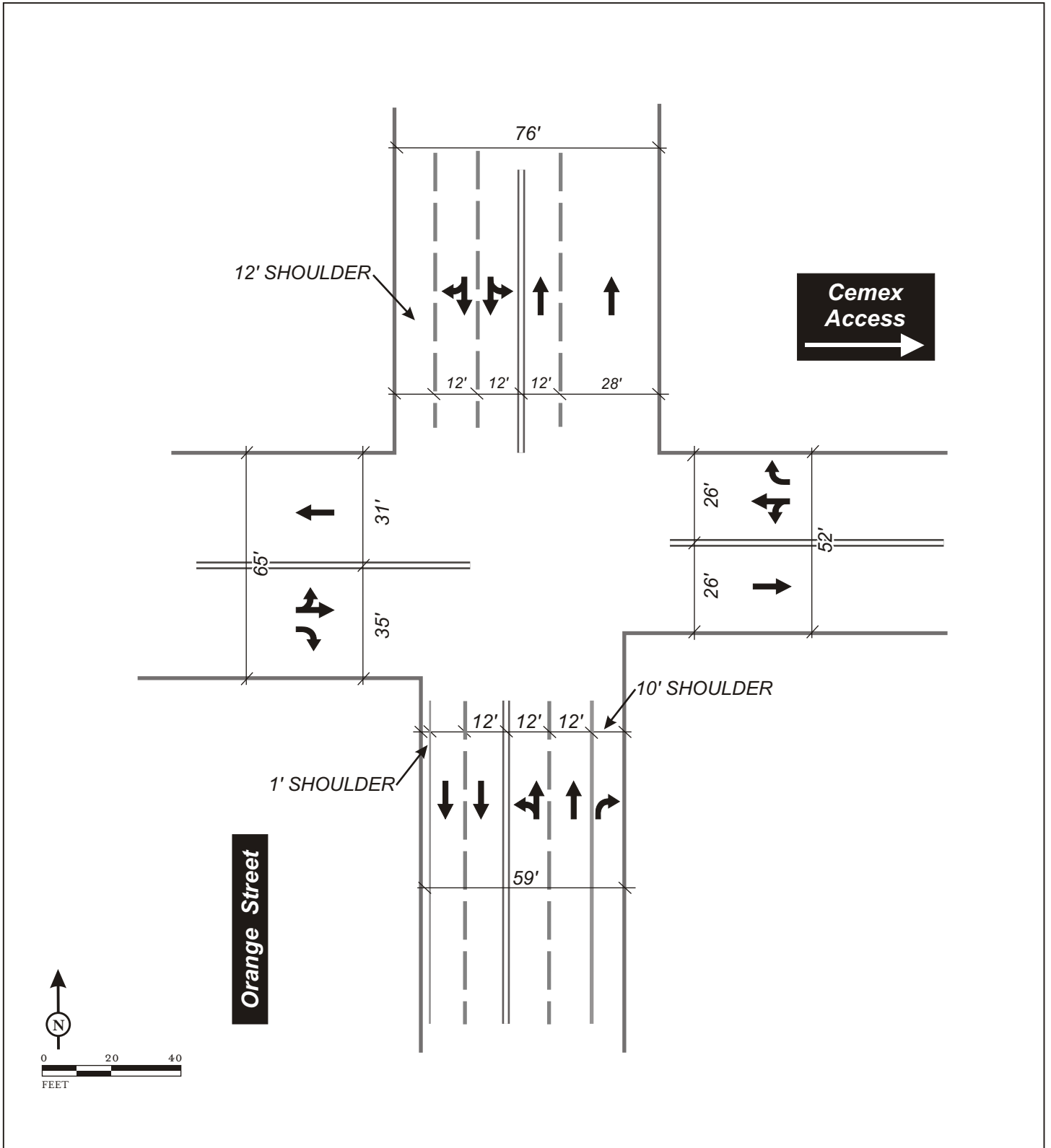
NOTE: The turn pocket lengths and transition tapers are not to scale.



LSA

FIGURE I-21

Upper Santa Ana River Wash
 Orange Street and Cemex Access
 Existing Geometrics



LSA

FIGURE I-22

Upper Santa Ana River Wash
 Orange Street and Cemex Access With Mitigations for
 Year 2030 Alternative 1A
 Year 2030 Alternative 1B
 Year 2030 Alternative 1D
 Year 2030 Alternative 2