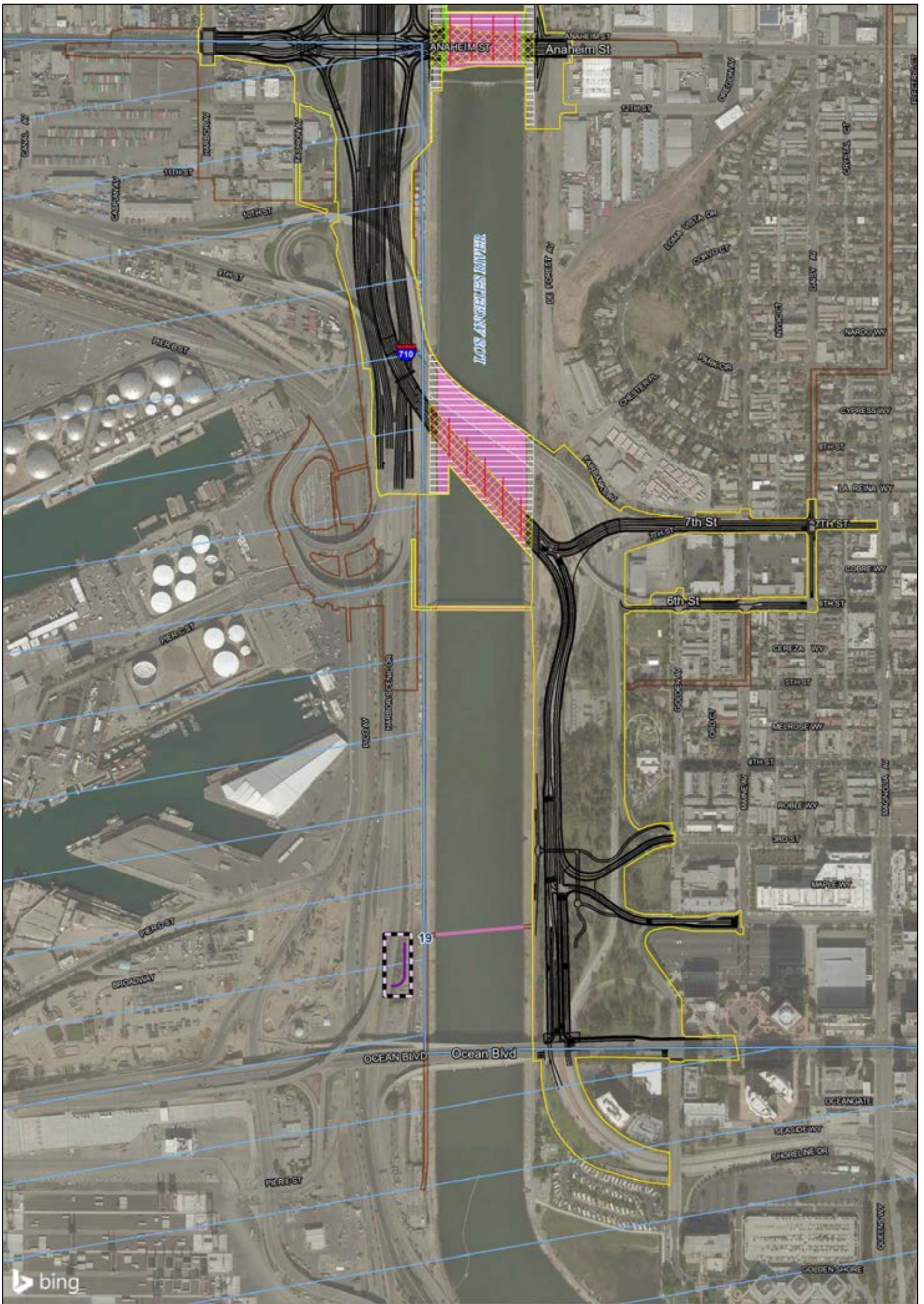


**Appendix R    BIOLOGICAL AND AQUATIC RESOURCES  
MAPS**

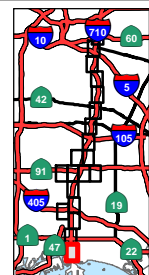
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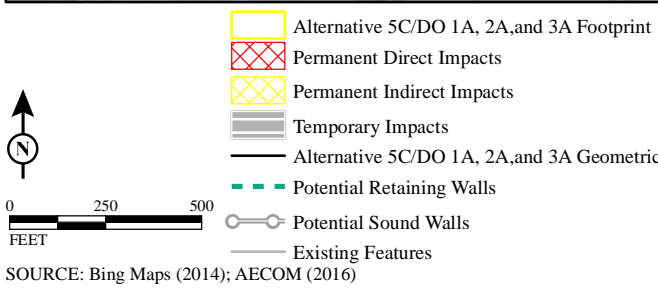
## **A. PROJECT IMPACTS TO VEGETATION COMMUNITIES**

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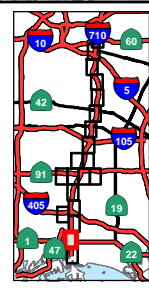
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|---|---|---|
| Alternative 5C/DO 1A, 2A, and 3A Footprint  | Developed/Ornamental/Ruderal  | Specific Occurrences of Southern Tarplant (LSA, 2009)               |
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| Potential Retaining Walls                   | Riparian Scrub  | Non-jurisdictional Wetland Waters                                   |
| Potential Sound Walls                       |   |   |
| Existing Features                           |   |   |



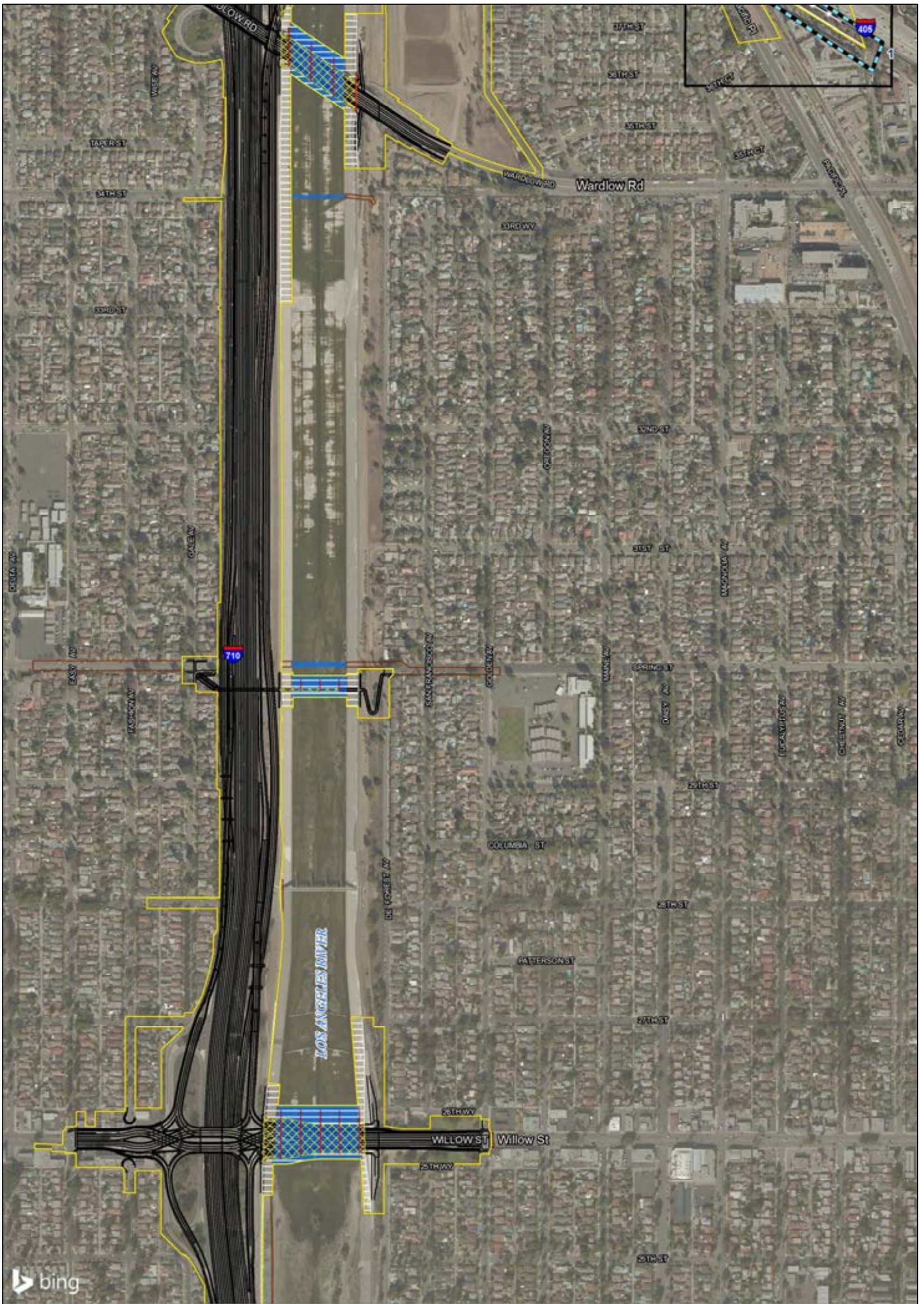


SOURCE: Bing Maps (2014); AECOM (2016)  
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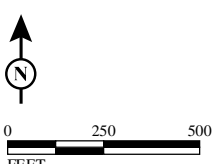
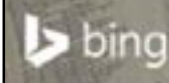
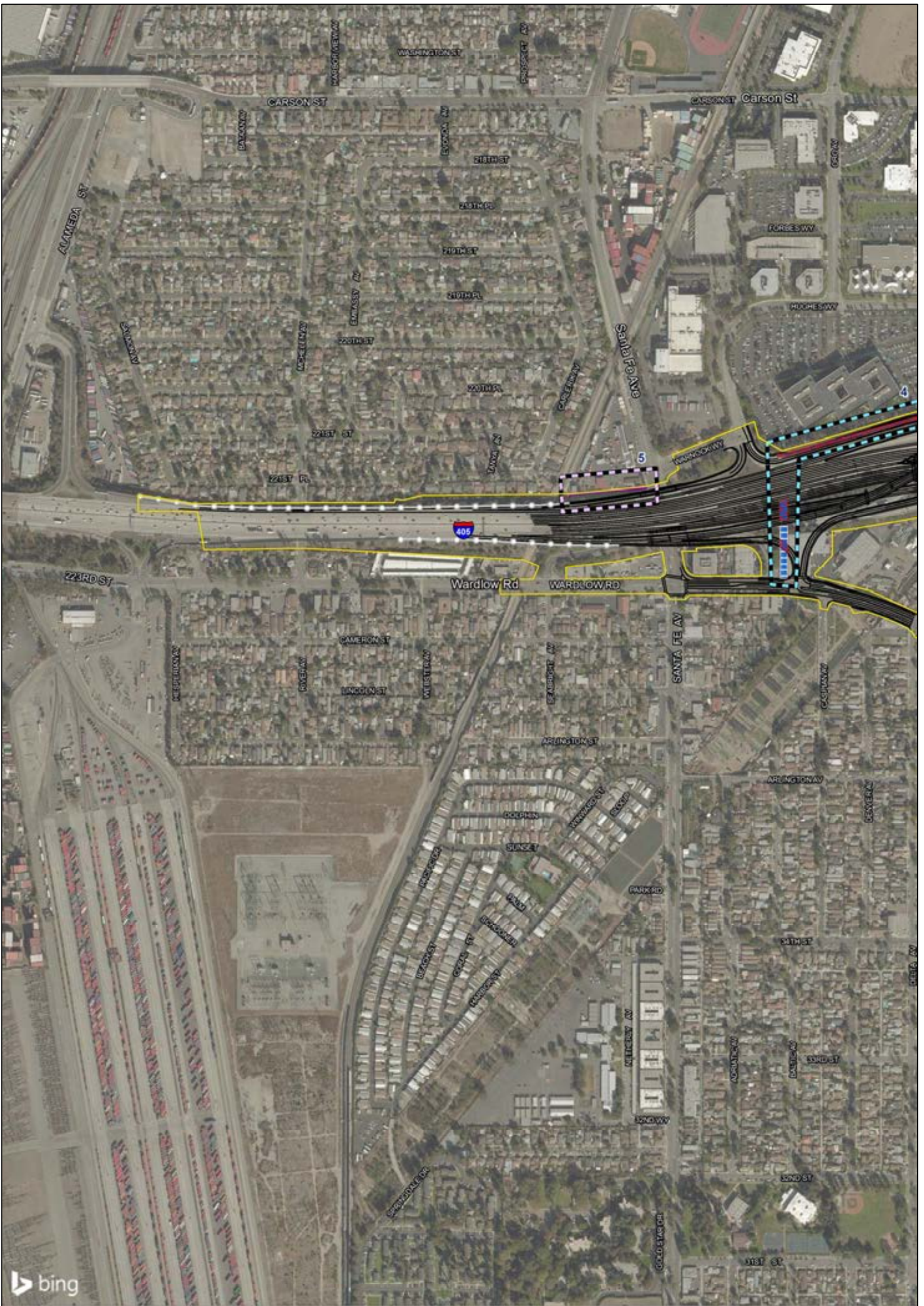
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| Potential Sound Walls                       |   |   |
| Existing Features                           |   |   |



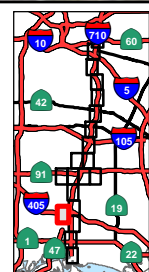
Appendix R  
Sheet 2 of 20  
*I-710 Corridor Project*  
*RDEIR/SDEIS*  
Project Impacts to Vegetation  
Communities Alternative 5C  
and Design Options  
07-LA-710- PM 5.4/24.5  
EA 249900; EFIS 0700000443



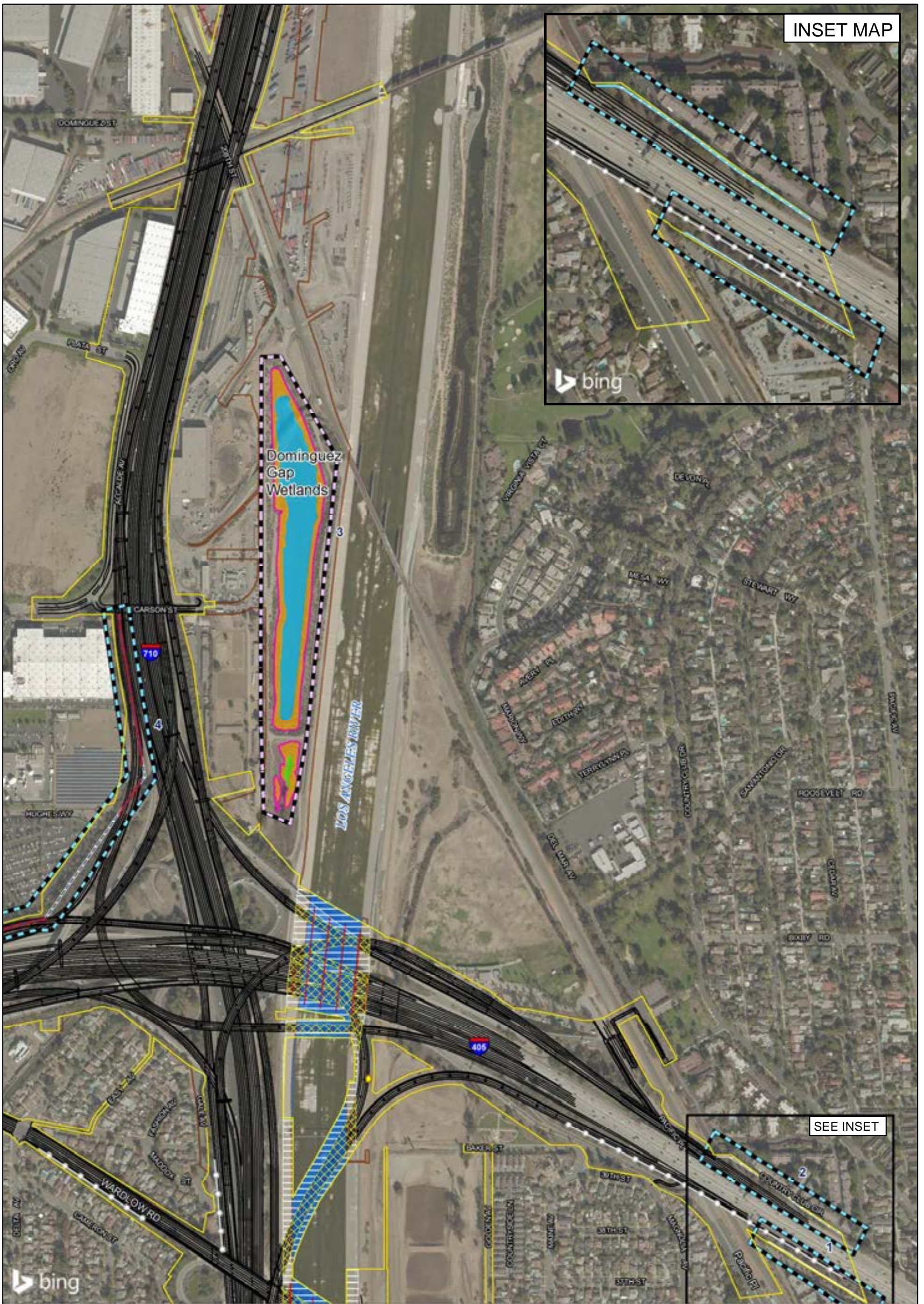
  SOURCE: Bing Maps (2014); AECOM (2016)	<ul style="list-style-type: none"> <li> Alternative 5C/DO 1A, 2A, and 3A Footprint</li> <li> Permanent Direct Impacts</li> <li> Permanent Indirect Impacts</li> <li> Temporary Impacts</li> <li> Alternative 5C/DO 1A, 2A, and 3A Geometrics</li> <li> Potential Retaining Walls</li> <li> Potential Sound Walls</li> <li> Existing Features</li> </ul>	<ul style="list-style-type: none"> <li> Developed/Ornamental/Ruderal</li> <li> Concrete-lined Freshwater Portions of the L.A. River and Associated Drainages</li> <li> Earthen-bottom Intertidal Portions of the L.A. River and Associated Drainages</li> <li> Open Water</li> <li> Freshwater Emergent Marsh</li> <li> Riparian Scrub</li> </ul>	<ul style="list-style-type: none"> <li> Specific Occurrences of Southern Tarplant (LSA, 2009)</li> <li> Coastal Zone</li> <li> Jurisdictional Features (includes L.A. River)</li> <li> Other Drainage Features Within Developed Areas (non-jurisdictional)</li> <li> Non-jurisdictional Non Wetland Waters</li> <li> Non-jurisdictional Wetland Waters</li> </ul>		<p>Appendix R          Sheet 3 of 20  <i>I-710 Corridor Project</i>          RDEIR/SDEIS          Project Impacts to Vegetation          Communities Alternative 5C          and Design Options</p> <p>07-LA-710- PM 5.4/24.5          EA 249900; EFIS 0700000443</p>
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| Potential Retaining Walls                   | Riparian Scrub  | Non-jurisdictional Wetland Waters                                   |
| Potential Sound Walls                       |   |   |
| Existing Features                           |   |   |



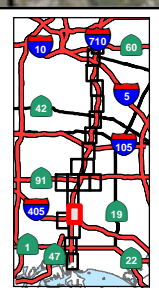
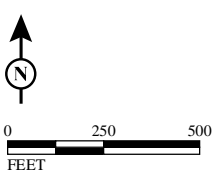
Appendix R  
 Sheet 4 of 20  
*I-710 Corridor Project*  
 RDEIR/SDEIS  
 Project Impacts to Vegetation  
 Communities Alternative 5C  
 and Design Options  
 07-LA-710- PM 5.4/24.5  
 EA 249900; EFIS 0700000443



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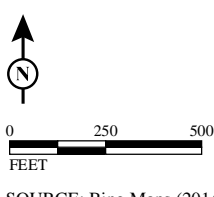
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| Potential Sound Walls                       |   |   |
| Existing Features                           |   |   |



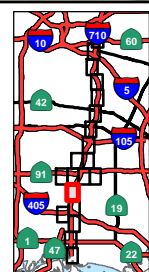
Appendix R  
 Sheet 5 of 20  
 I-710 Corridor Project  
 RDEIR/SDEIS  
 Project Impacts to Vegetation  
 Communities Alternative 5C  
 and Design Options  
 07-LA-710- PM 5.4/24.5  
 EA 249900; EFIS 0700000443



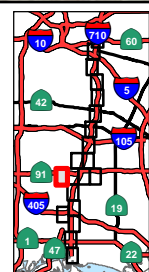
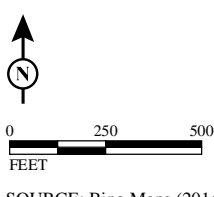
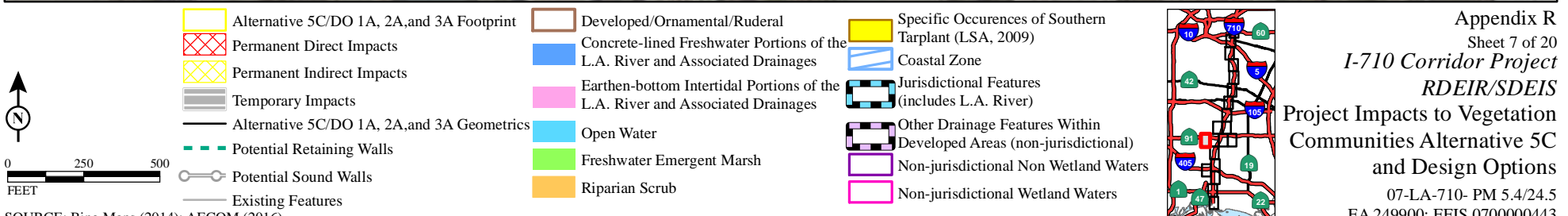
- Alternative 5C/DO 1A, 2A, and 3A Footprint
- Permanent Direct Impacts
- Permanent Indirect Impacts
- Temporary Impacts
- Alternative 5C/DO 1A, 2A, and 3A Geometrics
- Potential Retaining Walls
- Potential Sound Walls
- Existing Features
- Developed/Ornamental/Ruderal
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- Earthen-bottom Intertidal Portions of the L.A. River and Associated Drainages
- Open Water
- Freshwater Emergent Marsh
- Riparian Scrub
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- Coastal Zone
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- Other Drainage Features Within Developed Areas (non-jurisdictional)
- Non-jurisdictional Non Wetland Waters
- Non-jurisdictional Wetland Waters



SOURCE: Bing Maps (2014); AECOM (2016)  
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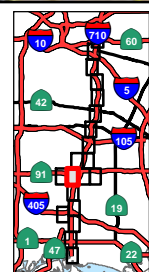
Appendix R  
 Sheet 6 of 20  
**I-710 Corridor Project**  
**RDEIR/SDEIS**  
**Project Impacts to Vegetation**  
**Communities Alternative 5C**  
**and Design Options**  
 07-LA-710- PM 5.4/24.5  
 EA 249900; EFIS 070000443



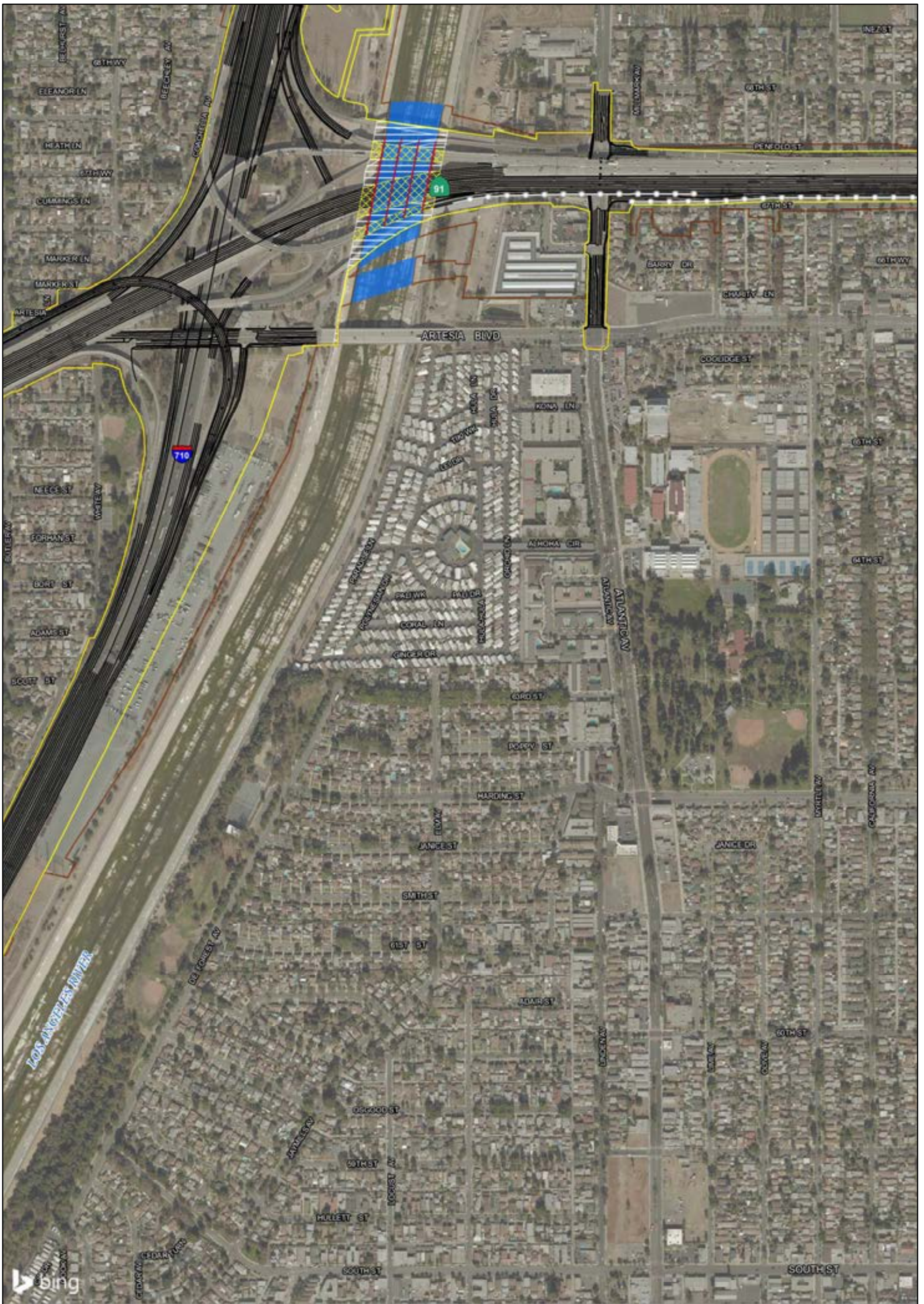
Appendix R  
 Sheet 7 of 20  
 I-710 Corridor Project  
 RDEIR/SDEIS  
 Project Impacts to Vegetation  
 Communities Alternative 5C  
 and Design Options  
 07-LA-710- PM 5.4/24.5  
 EA 249900; EFIS 0700000443



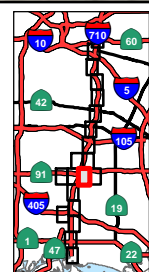
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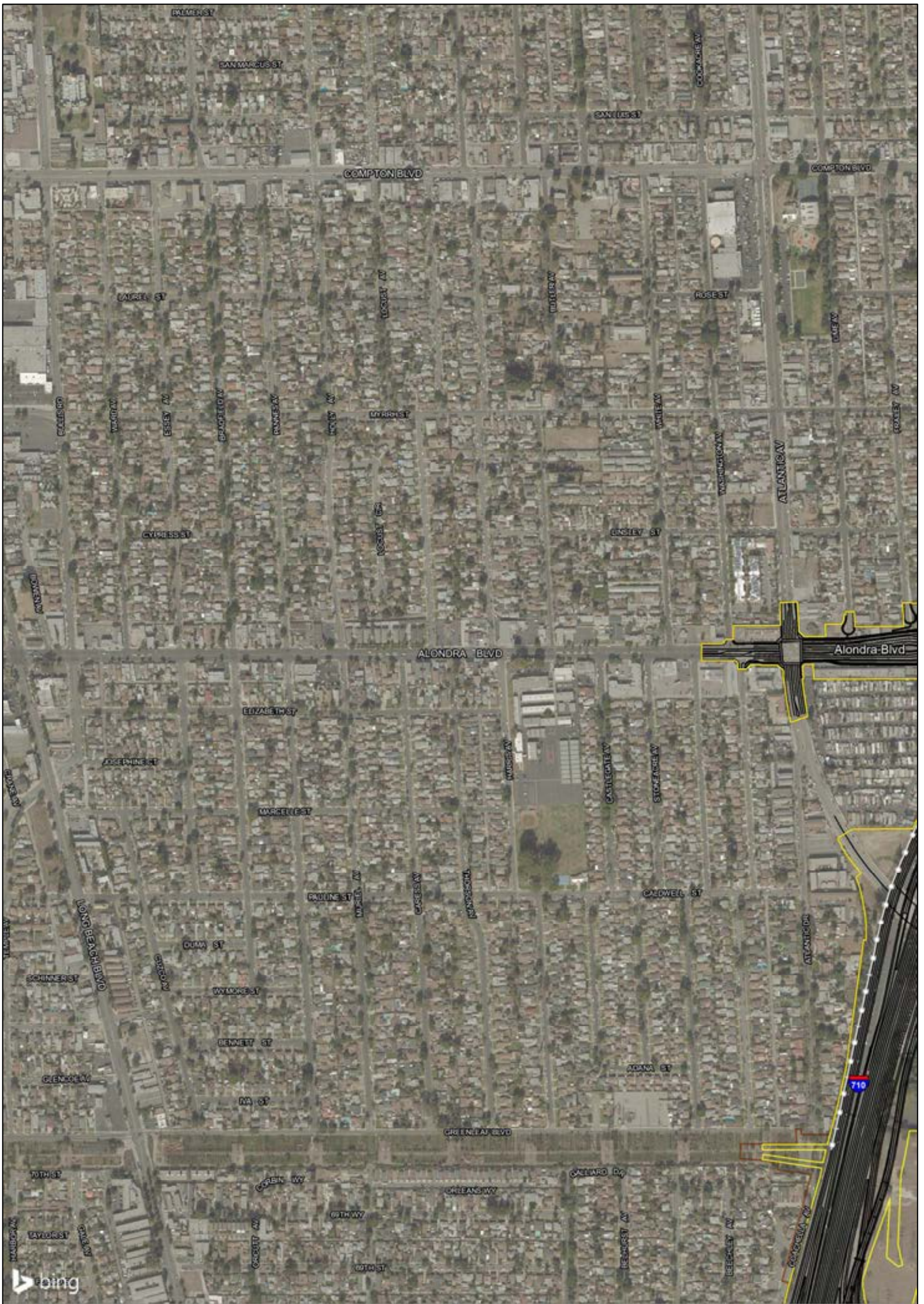
Appendix R  
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**I-710 Corridor Project**  
**RDEIR/SDEIS**  
 Project Impacts to Vegetation  
 Communities Alternative 5C  
 and Design Options  
 07-LA-710- PM 5.4/24.5  
 EA 249900; EFIS 0700000443



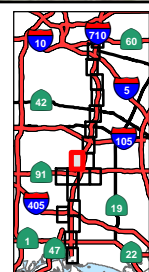
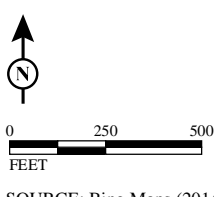
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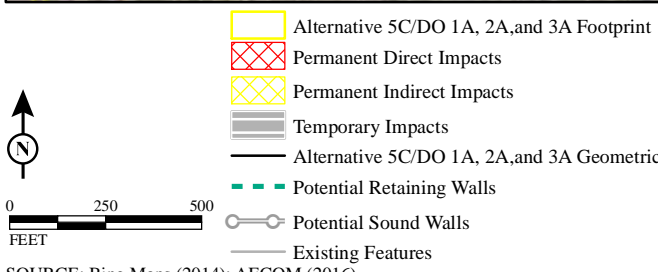
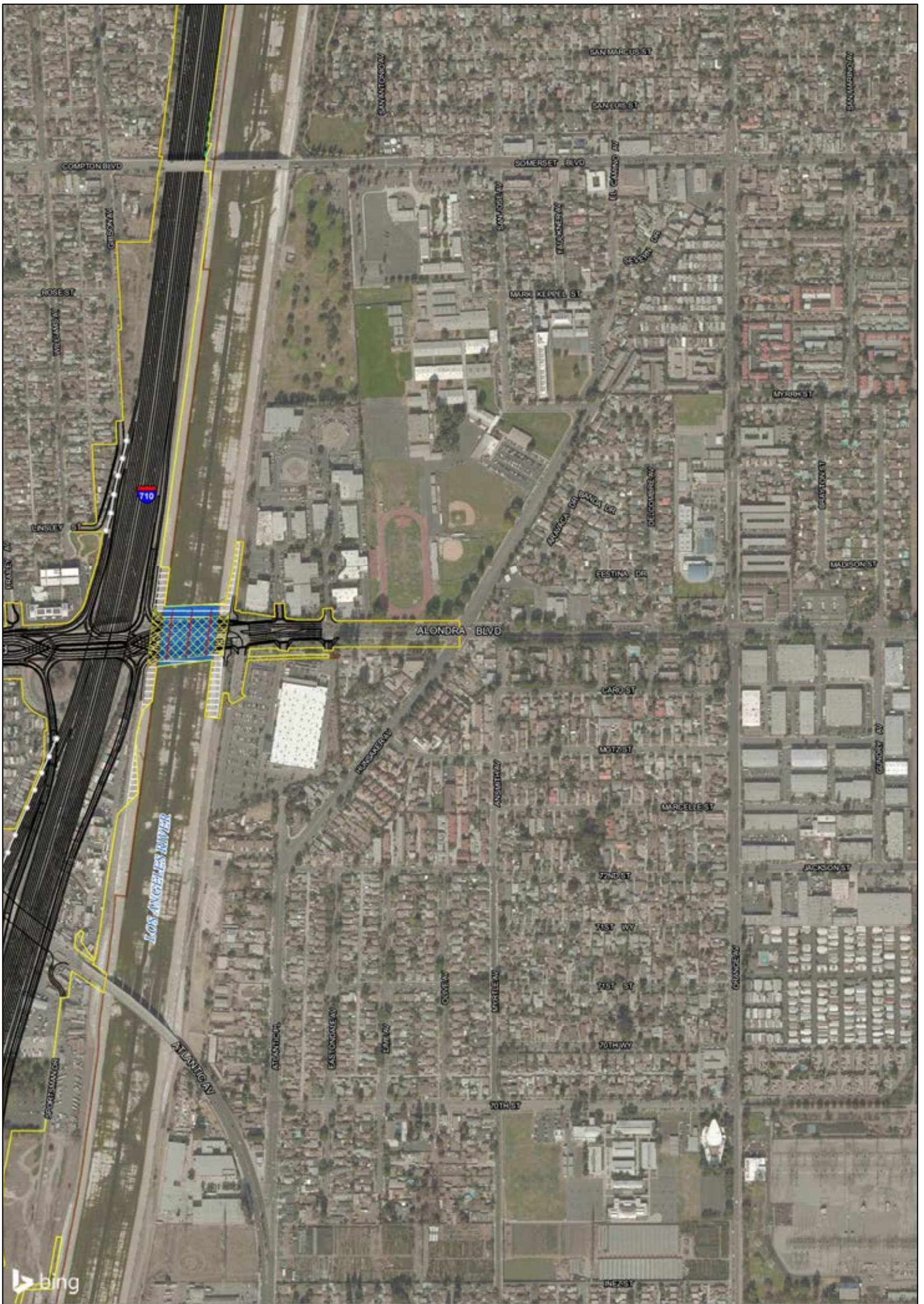




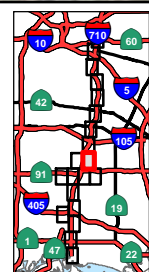
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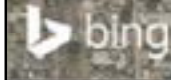


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**I-710 Corridor Project**  
**RDEIR/SDEIS**  
**Project Impacts to Vegetation**  
**Communities Alternative 5C**  
**and Design Options**  
 07-LA-710- PM 5.4/24.5  
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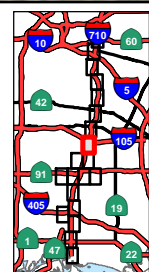
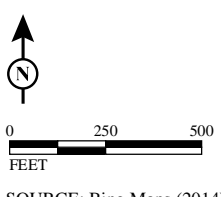


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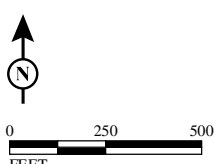
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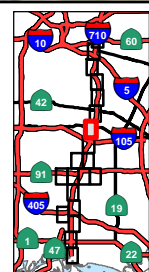
Appendix R  
 Sheet 13 of 20  
**I-710 Corridor Project**  
**RDEIR/SDEIS**  
 Project Impacts to Vegetation  
 Communities Alternative 5C  
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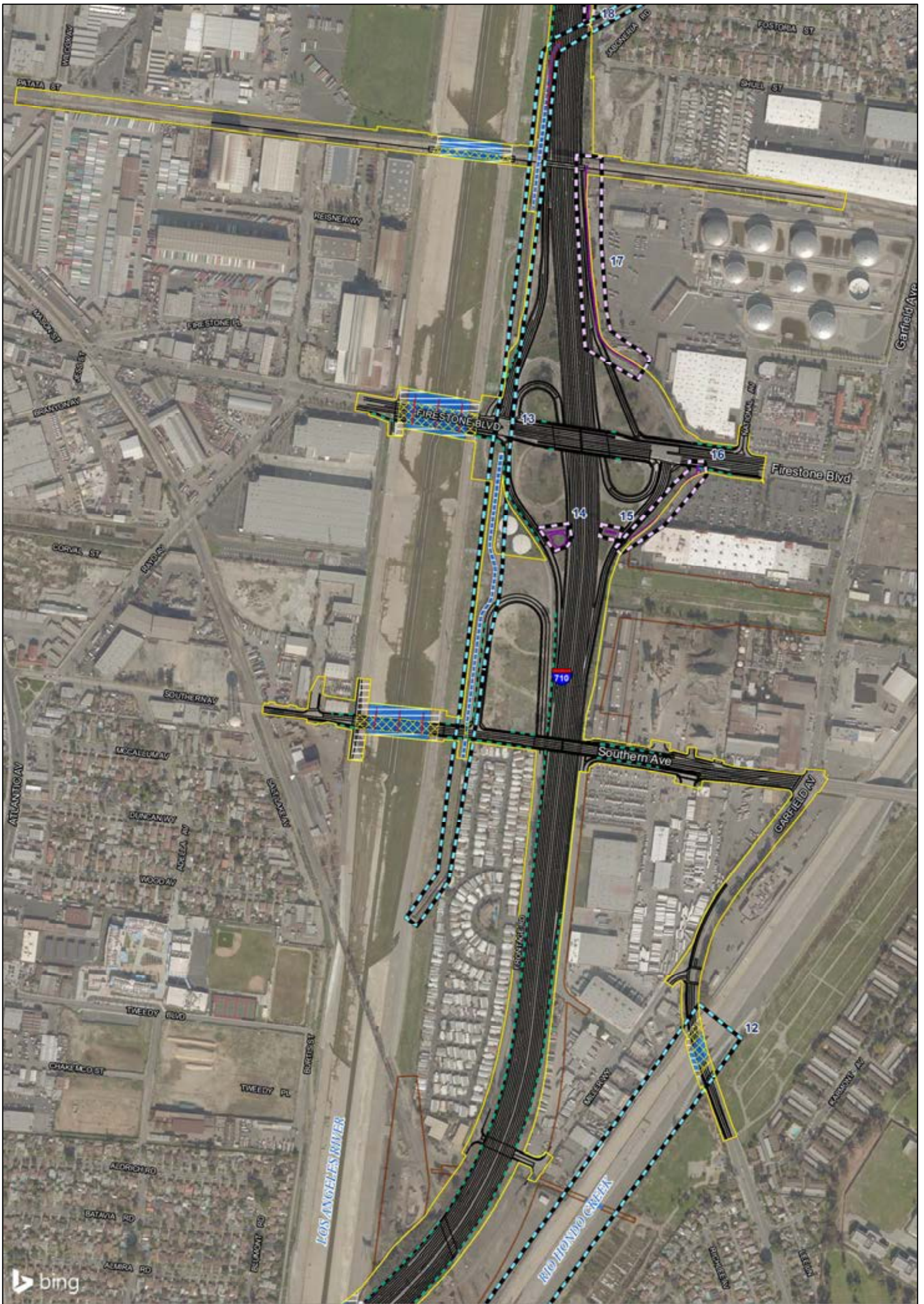
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- Permanent Indirect Impacts
- Temporary Impacts
- Alternative 5C/DO 1A, 2A, and 3A Geometrics
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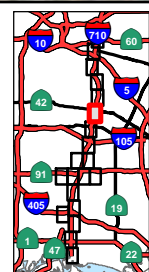
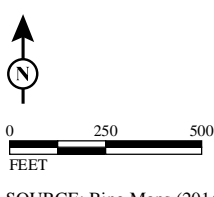
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**I-710 Corridor Project**  
**RDEIR/SDEIS**  
 Project Impacts to Vegetation  
 Communities Alternative 5C  
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 07-LA-710- PM 5.4/24.5  
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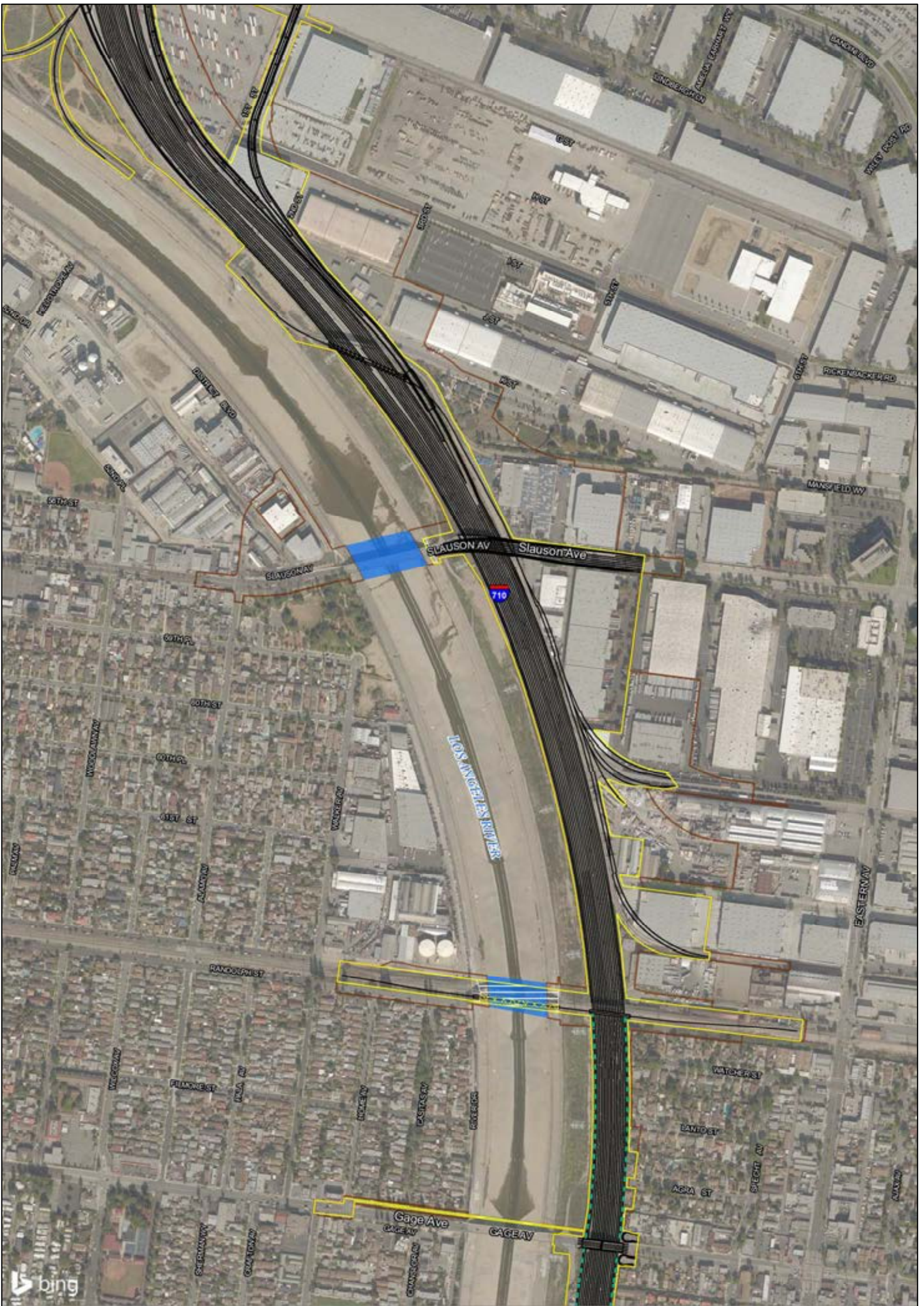
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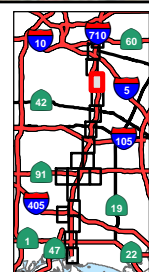
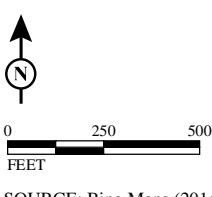
Appendix R  
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**I-710 Corridor Project**  
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 Project Impacts to Vegetation  
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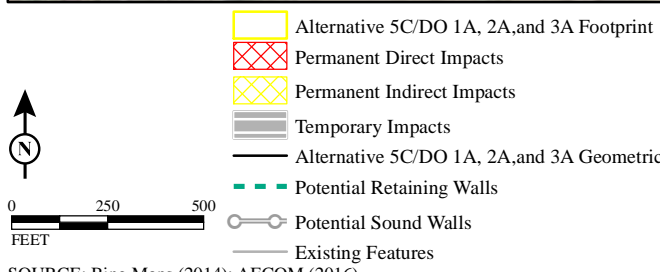
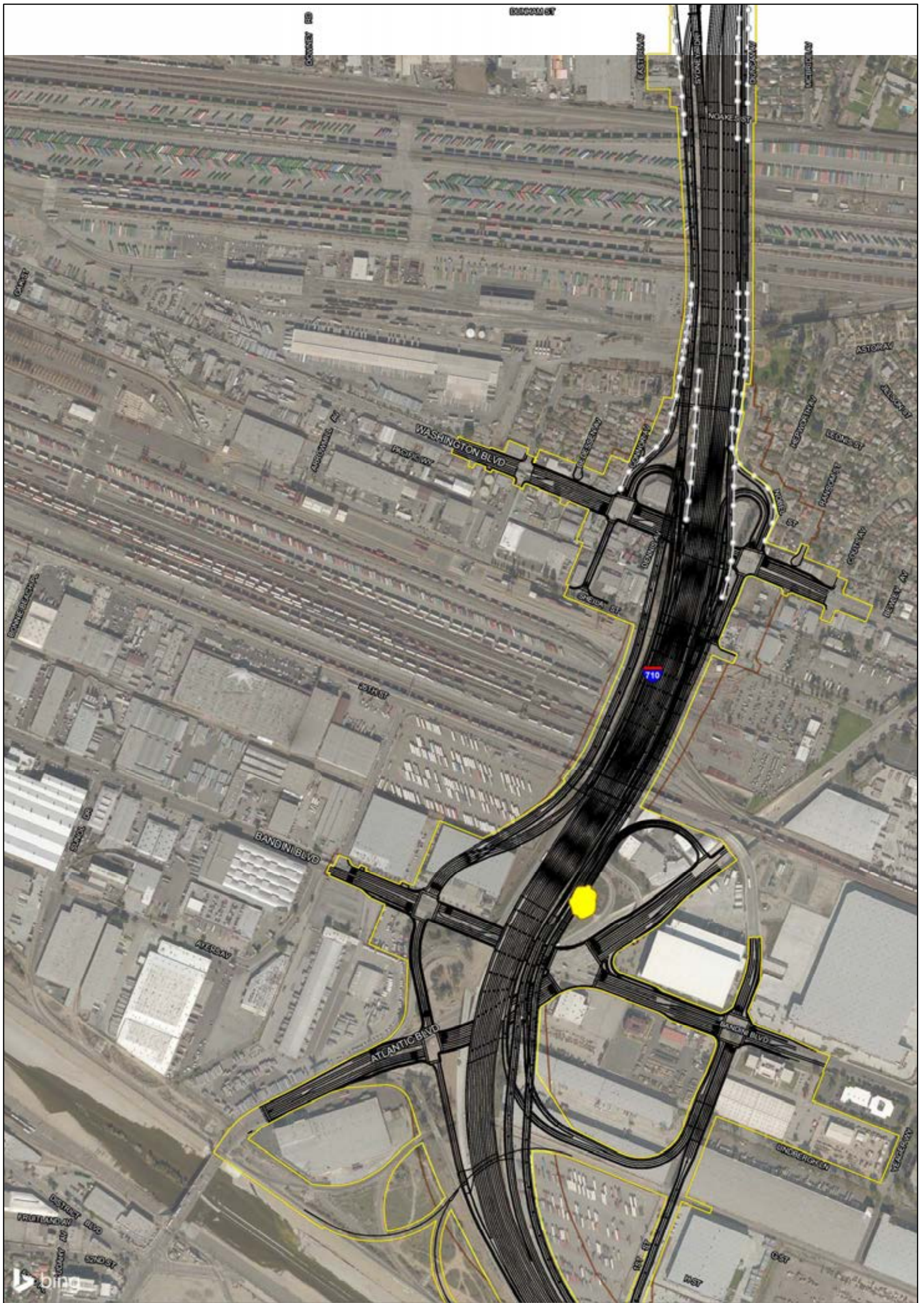
  SOURCE: Bing Maps (2014); AECOM (2016)	<ul style="list-style-type: none"> <li> Alternative 5C/DO 1A, 2A, and 3A Footprint</li> <li> Permanent Direct Impacts</li> <li> Permanent Indirect Impacts</li> <li> Temporary Impacts</li> <li> Alternative 5C/DO 1A, 2A, and 3A Geometrics</li> <li> Potential Retaining Walls</li> <li> Potential Sound Walls</li> <li> Existing Features</li> </ul>	<ul style="list-style-type: none"> <li> Developed/Ornamental/Ruderal</li> <li> Concrete-lined Freshwater Portions of the L.A. River and Associated Drainages</li> <li> Earthen-bottom Intertidal Portions of the L.A. River and Associated Drainages</li> <li> Open Water</li> <li> Freshwater Emergent Marsh</li> <li> Riparian Scrub</li> </ul>	<ul style="list-style-type: none"> <li> Specific Occurrences of Southern Tarplant (LSA, 2009)</li> <li> Coastal Zone</li> <li> Jurisdictional Features (includes L.A. River)</li> <li> Other Drainage Features Within Developed Areas (non-jurisdictional)</li> <li> Non-jurisdictional Non Wetland Waters</li> <li> Non-jurisdictional Wetland Waters</li> </ul>		<p>Appendix R          Sheet 16 of 20  <b>I-710 Corridor Project</b>  <b>RDEIR/SDEIS</b>  <b>Project Impacts to Vegetation</b>  <b>Communities Alternative 5C</b>  <b>and Design Options</b>          07-LA-710- PM 5.4/24.5          EA 249900; EFIS 070000443</p>
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- |   |   |   |
|---|---|---|
| Alternative 5C/DO 1A, 2A, and 3A Footprint  | Developed/Ornamental/Ruderal  | Specific Occurrences of Southern Tarplant (LSA, 2009)               |
| Permanent Direct Impacts                    | Concrete-lined Freshwater Portions of the L.A. River and Associated Drainages | Coastal Zone  |
| Permanent Indirect Impacts                  | Earthen-bottom Intertidal Portions of the L.A. River and Associated Drainages | Jurisdictional Features (includes L.A. River)                       |
| Temporary Impacts                           | Open Water  | Other Drainage Features Within Developed Areas (non-jurisdictional) |
| Alternative 5C/DO 1A, 2A, and 3A Geometrics | Freshwater Emergent Marsh   | Non-jurisdictional Non Wetland Waters                               |
| Potential Retaining Walls                   | Riparian Scrub  | Non-jurisdictional Wetland Waters                                   |
| Potential Sound Walls                       |   |   |
| Existing Features                           |   |   |

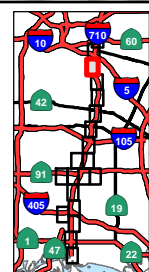


Appendix R  
 Sheet 17 of 20  
 I-710 Corridor Project  
 RDEIR/SDEIS  
 Project Impacts to Vegetation  
 Communities Alternative 5C  
 and Design Options  
 07-LA-710- PM 5.4/24.5  
 EA 249900; EFIS 0700000443



SOURCE: Bing Maps (2014); AECOM (2016)

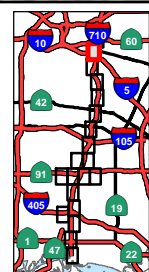
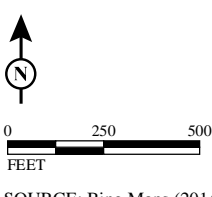
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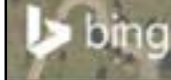
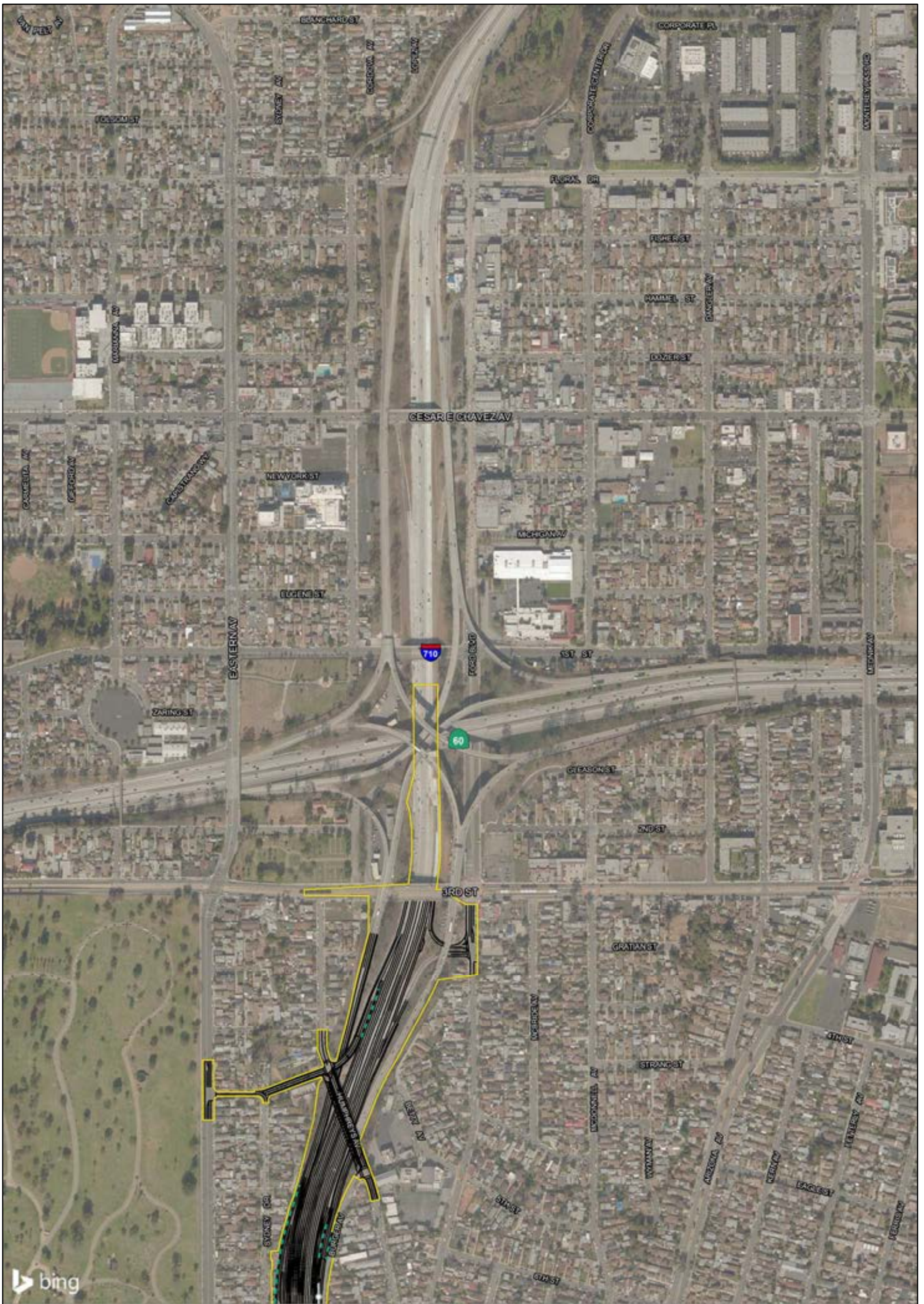


Appendix R  
 Sheet 18 of 20  
**I-710 Corridor Project**  
**RDEIR/SDEIS**  
**Project Impacts to Vegetation**  
**Communities Alternative 5C**  
**and Design Options**  
 07-LA-710- PM 5.4/24.5  
 EA 249900; EFIS 0700000443

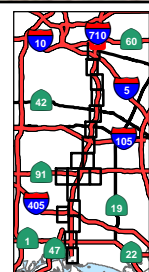
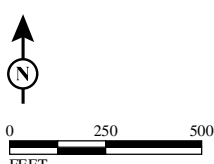


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|---|---|---|
| Alternative 5C/DO 1A, 2A, and 3A Footprint  | Developed/Ornamental/Ruderal  | Specific Occurrences of Southern Tarplant (LSA, 2009)               |
| Permanent Direct Impacts                    | Concrete-lined Freshwater Portions of the L.A. River and Associated Drainages | Coastal Zone  |
| Permanent Indirect Impacts                  | Earthen-bottom Intertidal Portions of the L.A. River and Associated Drainages | Jurisdictional Features (includes L.A. River)                       |
| Temporary Impacts                           | Open Water  | Other Drainage Features Within Developed Areas (non-jurisdictional) |
| Alternative 5C/DO 1A, 2A, and 3A Geometrics | Freshwater Emergent Marsh   | Non-jurisdictional Non Wetland Waters                               |
| Potential Retaining Walls                   | Riparian Scrub  | Non-jurisdictional Wetland Waters                                   |
| Potential Sound Walls                       |   |   |
| Existing Features                           |   |   |

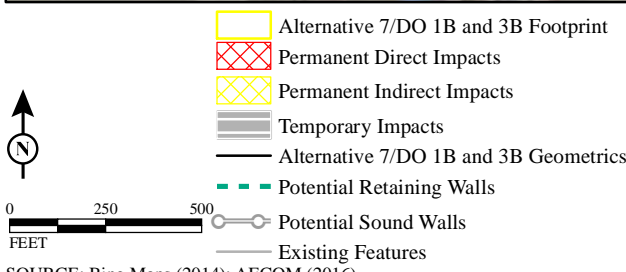
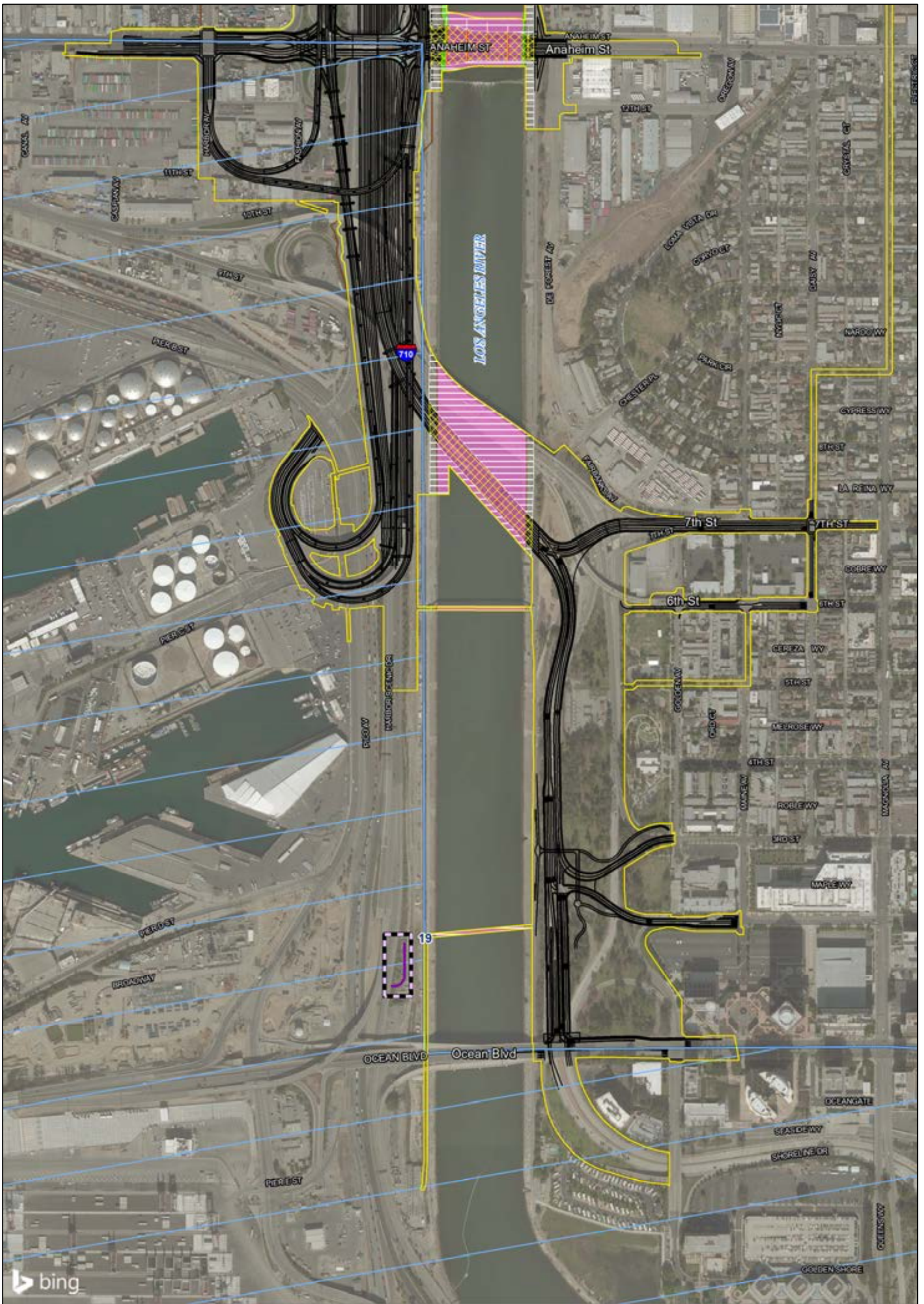




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|---|---|---|
| Alternative 5C/DO 1A, 2A, and 3A Footprint  | Developed/Ornamental/Ruderal  | Specific Occurrences of Southern Tarplant (LSA, 2009)               |
| Permanent Direct Impacts                    | Concrete-lined Freshwater Portions of the L.A. River and Associated Drainages | Coastal Zone  |
| Permanent Indirect Impacts                  | Earthen-bottom Intertidal Portions of the L.A. River and Associated Drainages | Jurisdictional Features (includes L.A. River)                       |
| Temporary Impacts                           | Open Water  | Other Drainage Features Within Developed Areas (non-jurisdictional) |
| Alternative 5C/DO 1A, 2A, and 3A Geometrics | Freshwater Emergent Marsh   | Non-jurisdictional Non Wetland Waters                               |
| Potential Retaining Walls                   | Riparian Scrub  | Non-jurisdictional Wetland Waters                                   |
| Potential Sound Walls                       |   |   |
| Existing Features                           |   |   |

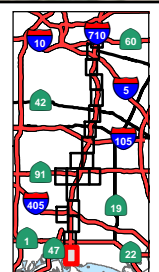


Appendix R  
 Sheet 20 of 20  
**I-710 Corridor Project**  
**RDEIR/SDEIS**  
**Project Impacts to Vegetation**  
**Communities Alternative 5C**  
**and Design Options**  
 07-LA-710- PM 5.4/24.5  
 EA 249900; EFIS 0700000443

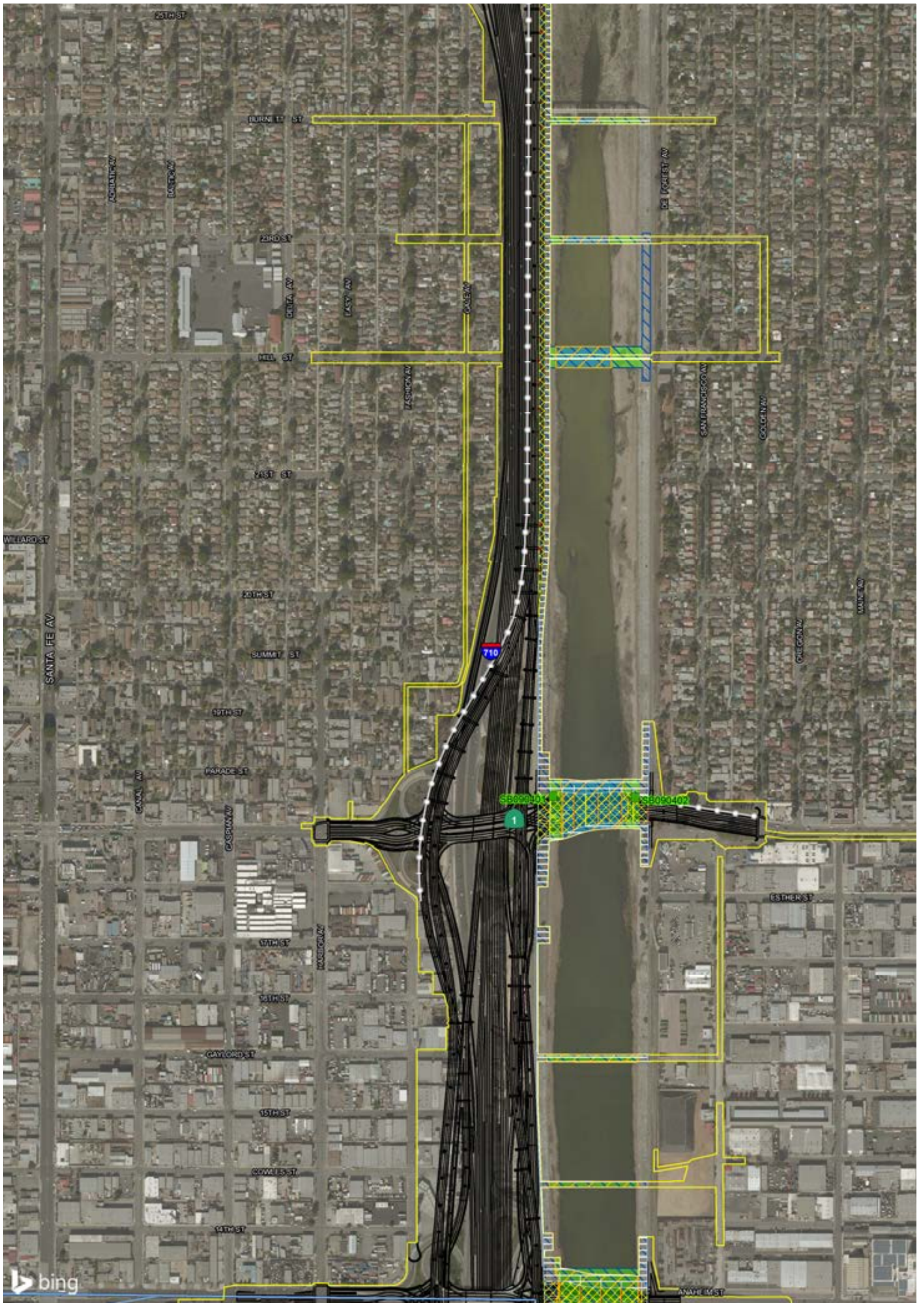


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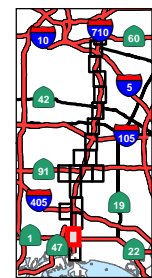
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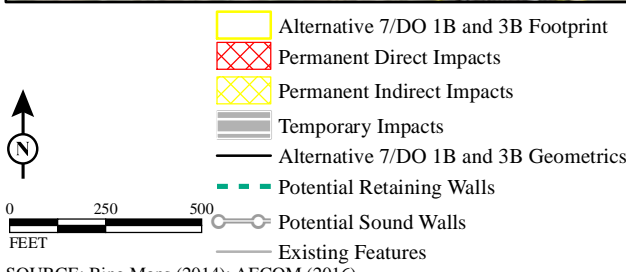
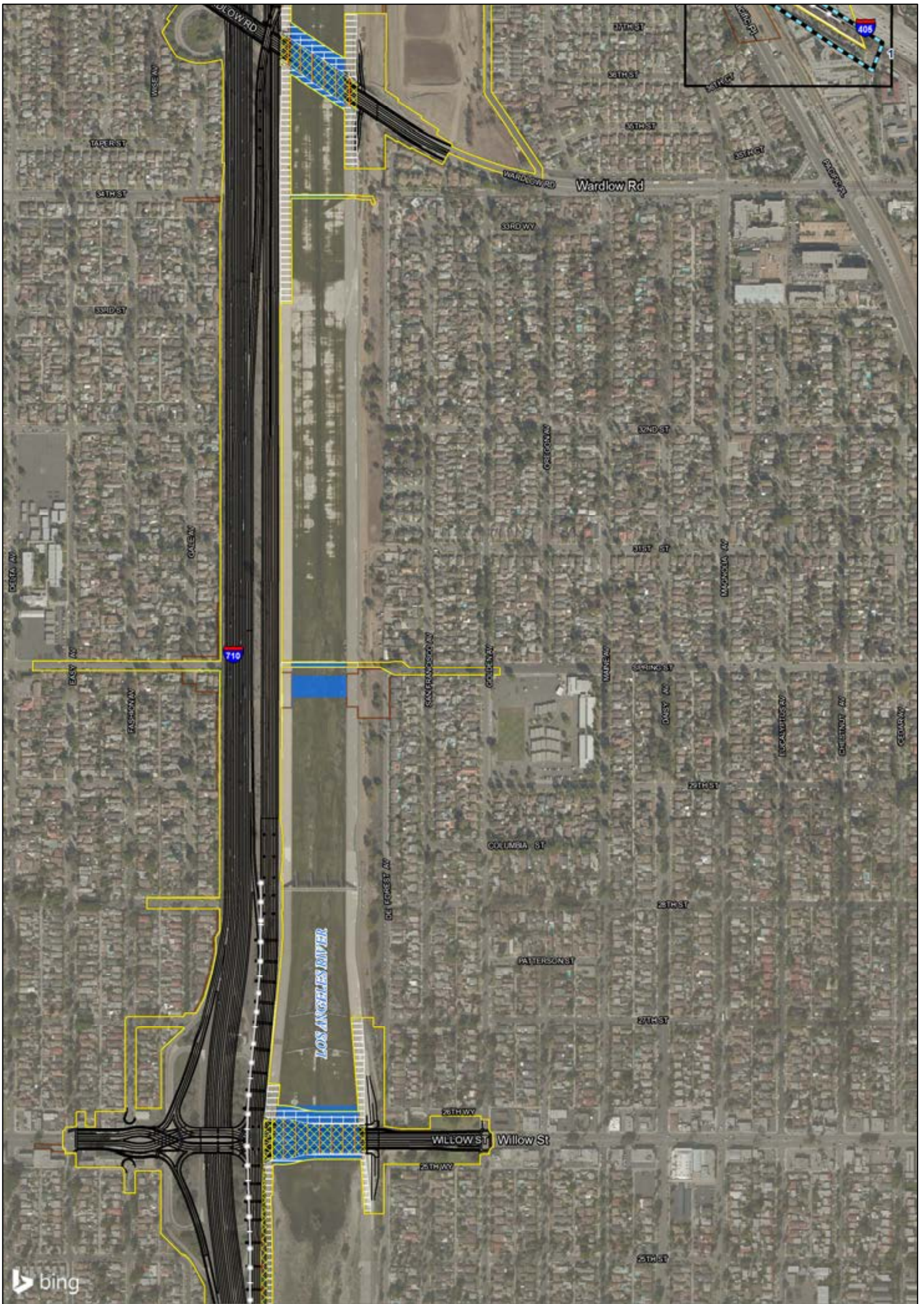


Appendix R  
 Sheet 1 of 20  
 I-710 Corridor Project  
 RDEIR/SDEIS  
 Project Impacts to Vegetation  
 Communities Alternative 7  
 and Design Options  
 07-LA-710- PM 5.4/24.5  
 EA 249900; EFIS 070000443



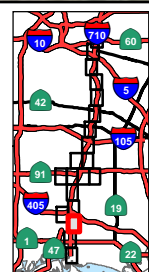
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| Alternative 7/DO 1B and 3B Footprint  | Jurisdictional Features (includes L.A. River)*                          | Non-jurisdictional Non Wetland Waters |
| Permanent Direct Impacts              | USACE Section 404 Jurisdictional Non Wetland Waters                     | Non-jurisdictional Wetland Waters     |
| Permanent Indirect Impacts            | USACE Section 404 Jurisdictional Wetland Waters                         | Sample Point (2012)                   |
| Temporary Impacts                     | USACE Section 10 Jurisdictional Waters                                  | Coastal Zone                          |
| Alternative 7/DO 1B and 3B Geometrics | Continuation of Drainage Through Non-Jurisdictional Area or Outside BSA |                                       |
| Potential Retaining Walls             | CDFW  |                                       |
| Potential Sound Walls                 | Other Drainage Features Within Developed Areas (non-jurisdictional)     |                                       |
| Existing Features                     |   |                                       |





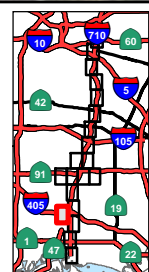
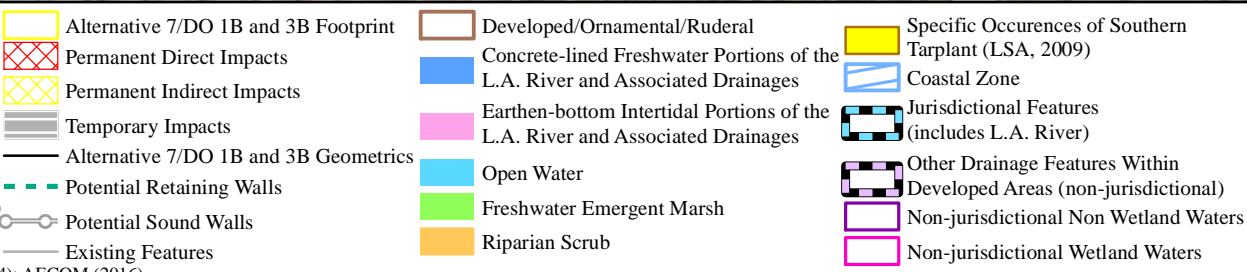
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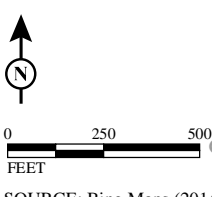


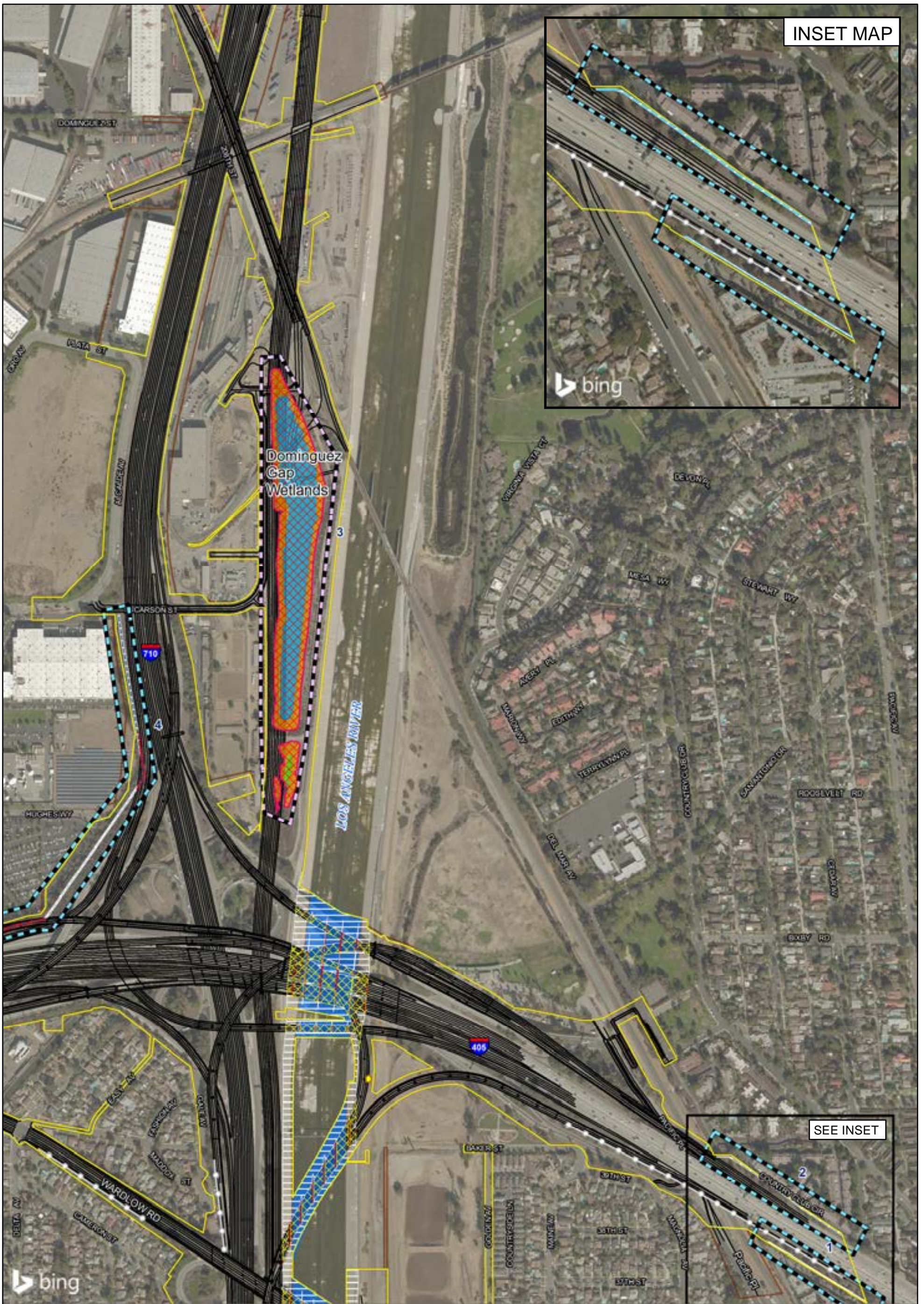
Appendix R  
 Sheet 3 of 20  
**I-710 Corridor Project**  
**RDEIR/SDEIS**  
**Project Impacts to Vegetation**  
**Communities Alternative 7**  
**and Design Options**

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Appendix R  
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*I-710 Corridor Project*  
 RDEIR/SDEIS  
 Project Impacts to Vegetation  
 Communities Alternative 7  
 and Design Options  
 07-LA-710- PM 5.4/24.5  
 EA 249900; EFIS 0700000443

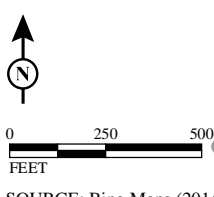
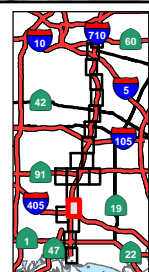




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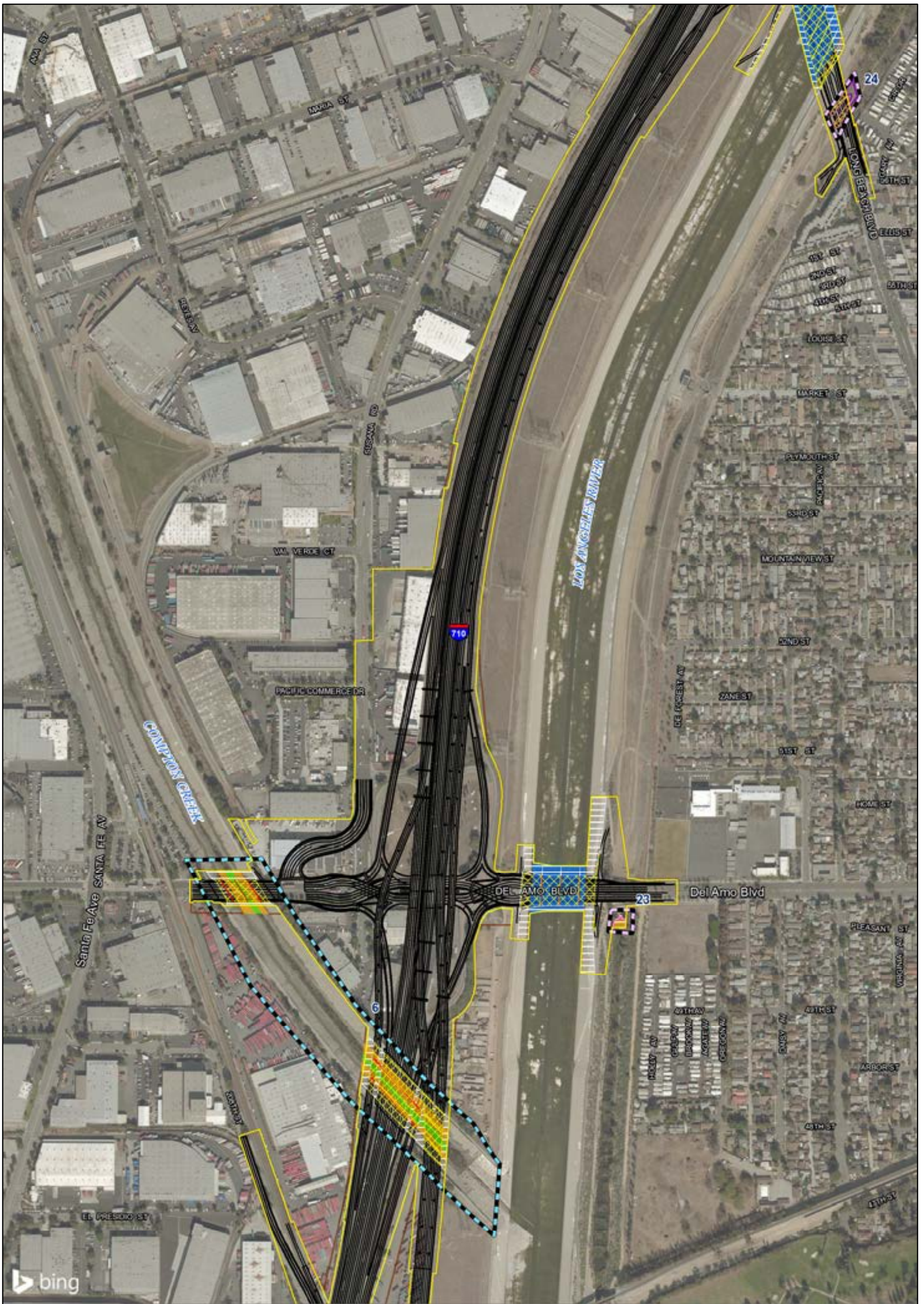
SEE INSET

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|---------------------------------------|---|---|
| Alternative 7/DO 1B and 3B Footprint  | Developed/Ornamental/Ruderal  | Specific Occurrences of Southern Tarplant (LSA, 2009)               |
| Permanent Direct Impacts              | Concrete-lined Freshwater Portions of the L.A. River and Associated Drainages | Coastal Zone  |
| Permanent Indirect Impacts            | Earthen-bottom Intertidal Portions of the L.A. River and Associated Drainages | Jurisdictional Features (includes L.A. River)                       |
| Temporary Impacts                     | Open Water  | Other Drainage Features Within Developed Areas (non-jurisdictional) |
| Alternative 7/DO 1B and 3B Geometrics | Freshwater Emergent Marsh   | Non-jurisdictional Non Wetland Waters                               |
| Potential Retaining Walls             | Riparian Scrub  | Non-jurisdictional Wetland Waters                                   |
| Potential Sound Walls                 |   |   |
| Existing Features                     |   |   |



SOURCE: Bing Maps (2014); AECOM (2016)

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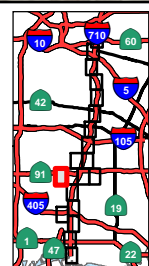
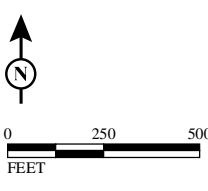


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|---------------------------------------|---|---|
| Alternative 7/DO 1B and 3B Footprint  | Developed/Ornamental/Ruderal  | Specific Occurrences of Southern Tarplant (LSA, 2009)               |
| Permanent Direct Impacts              | Concrete-lined Freshwater Portions of the L.A. River and Associated Drainages | Coastal Zone  |
| Permanent Indirect Impacts            | Earthen-bottom Intertidal Portions of the L.A. River and Associated Drainages | Jurisdictional Features (includes L.A. River)                       |
| Temporary Impacts                     | Open Water  | Other Drainage Features Within Developed Areas (non-jurisdictional) |
| Alternative 7/DO 1B and 3B Geometrics | Freshwater Emergent Marsh   | Non-jurisdictional Non Wetland Waters                               |
| Potential Retaining Walls             | Riparian Scrub  | Non-jurisdictional Wetland Waters                                   |
| Potential Sound Walls                 |   |   |
| Existing Features                     |   |   |





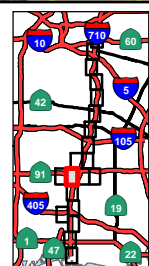
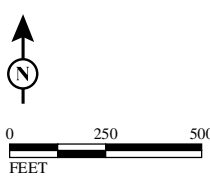
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|--|---------------------------------------|--|---|--|---|
|  | Alternative 7/DO 1B and 3B Footprint  |  | Developed/Ornamental/Ruderal  |  | Specific Occurrences of Southern Tarplant (LSA, 2009)               |
|  | Permanent Direct Impacts              |  | Concrete-lined Freshwater Portions of the L.A. River and Associated Drainages |  | Coastal Zone  |
|  | Permanent Indirect Impacts            |  | Earthen-bottom Intertidal Portions of the L.A. River and Associated Drainages |  | Jurisdictional Features (includes L.A. River)                       |
|  | Temporary Impacts                     |  | Open Water  |  | Other Drainage Features Within Developed Areas (non-jurisdictional) |
|  | Alternative 7/DO 1B and 3B Geometrics |  | Freshwater Emergent Marsh   |  | Non-jurisdictional Non Wetland Waters                               |
|  | Potential Retaining Walls             |  | Riparian Scrub  |  | Non-jurisdictional Wetland Waters                                   |
|  | Potential Sound Walls                 |  |   |  |   |
|  | Existing Features                     |  |   |  |   |



Appendix R  
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 I-710 Corridor Project  
 RDEIR/SDEIS  
 Project Impacts to Vegetation  
 Communities Alternative 7  
 and Design Options  
 07-LA-710- PM 5.4/24.5  
 EA 249900; EFIS 0700000443



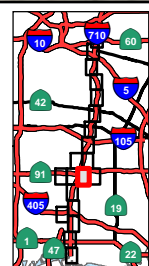
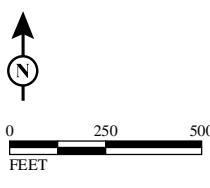
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| Alternative 7/DO 1B and 3B Footprint  | Developed/Ornamental/Ruderal  | Specific Occurrences of Southern Tarplant (LSA, 2009)               |
| Permanent Direct Impacts              | Concrete-lined Freshwater Portions of the L.A. River and Associated Drainages | Coastal Zone  |
| Permanent Indirect Impacts            | Earthen-bottom Intertidal Portions of the L.A. River and Associated Drainages | Jurisdictional Features (includes L.A. River)                       |
| Temporary Impacts                     | Open Water  | Other Drainage Features Within Developed Areas (non-jurisdictional) |
| Alternative 7/DO 1B and 3B Geometrics | Freshwater Emergent Marsh   | Non-jurisdictional Non Wetland Waters                               |
| Potential Retaining Walls             | Riparian Scrub  | Non-jurisdictional Wetland Waters                                   |
| Potential Sound Walls                 |   |   |
| Existing Features                     |   |   |



Appendix R  
 Sheet 8 of 20  
**I-710 Corridor Project**  
**RDEIR/SDEIS**  
 Project Impacts to Vegetation  
 Communities Alternative 7  
 and Design Options  
 07-LA-710- PM 5.4/24.5  
 EA 249900; EFIS 0700000443



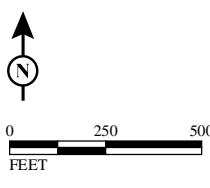
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|---------------------------------------|---|---|
| Alternative 7/DO 1B and 3B Footprint  | Developed/Ornamental/Ruderal  | Specific Occurrences of Southern Tarplant (LSA, 2009)               |
| Permanent Direct Impacts              | Concrete-lined Freshwater Portions of the L.A. River and Associated Drainages | Coastal Zone  |
| Permanent Indirect Impacts            | Earthen-bottom Intertidal Portions of the L.A. River and Associated Drainages | Jurisdictional Features (includes L.A. River)                       |
| Temporary Impacts                     | Open Water  | Other Drainage Features Within Developed Areas (non-jurisdictional) |
| Alternative 7/DO 1B and 3B Geometrics | Freshwater Emergent Marsh   | Non-jurisdictional Non Wetland Waters                               |
| Potential Retaining Walls             | Riparian Scrub  | Non-jurisdictional Wetland Waters                                   |
| Potential Sound Walls                 |   |   |
| Existing Features                     |   |   |



Appendix R  
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*I-710 Corridor Project*  
 RDEIR/SDEIS  
 Project Impacts to Vegetation  
 Communities Alternative 7  
 and Design Options  
 07-LA-710- PM 5.4/24.5  
 EA 249900; EFIS 0700000443

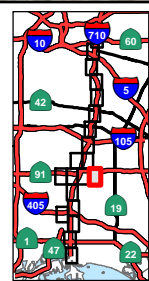


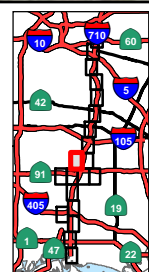
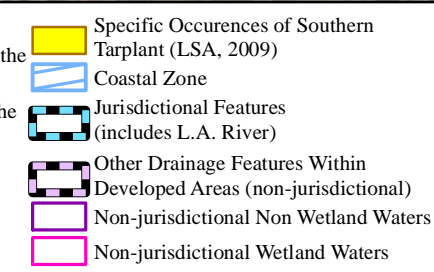
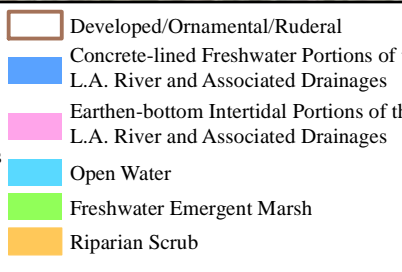
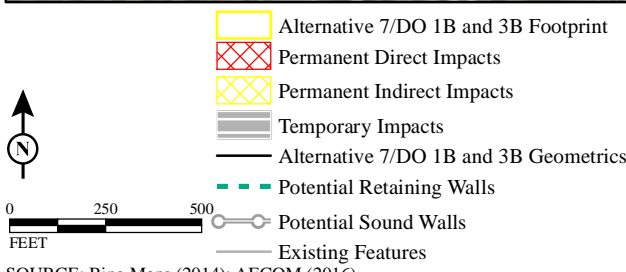
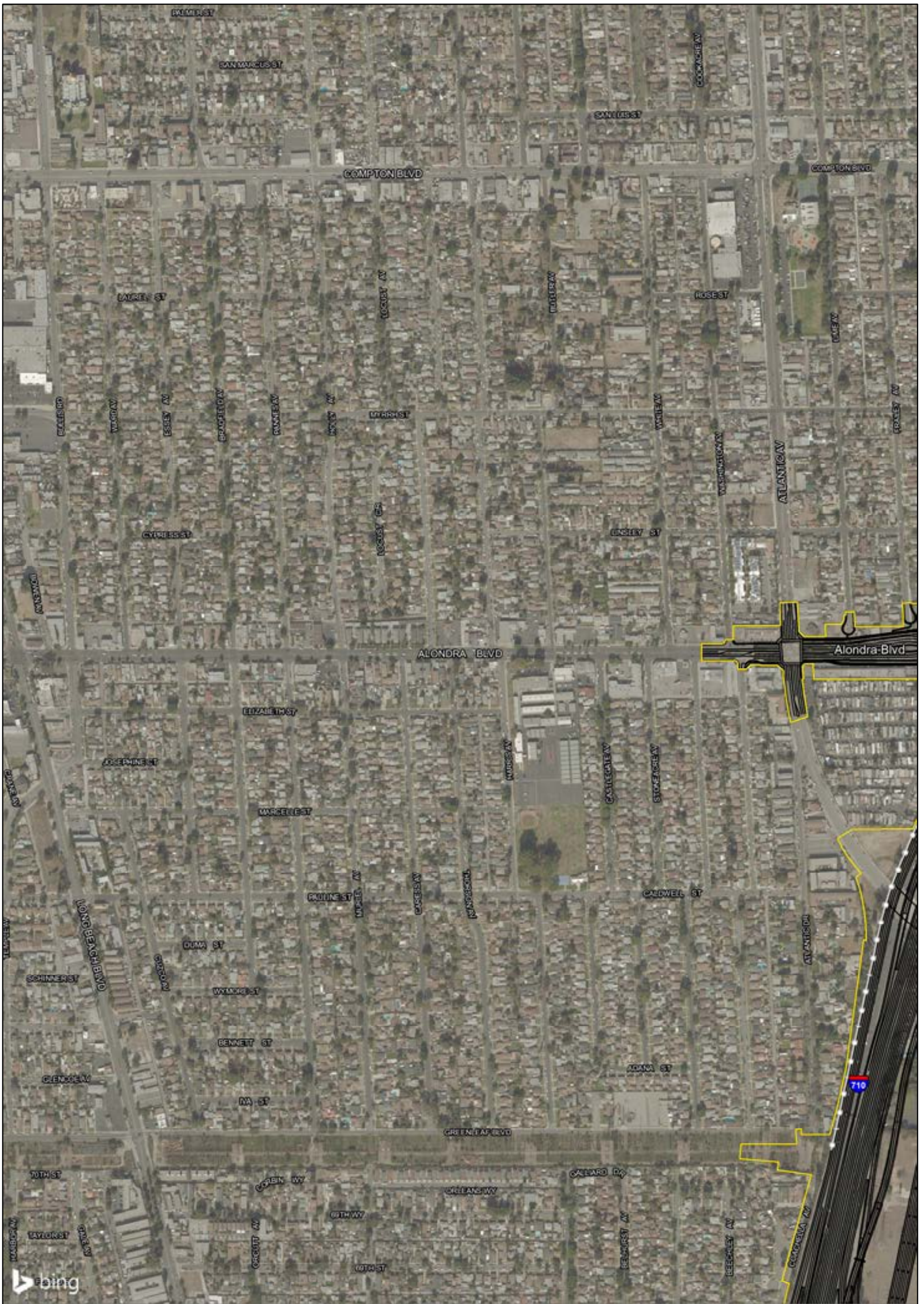
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|---------------------------------------|---|---|
| Alternative 7/DO 1B and 3B Footprint  | Developed/Ornamental/Ruderal  | Specific Occurrences of Southern Tarplant (LSA, 2009)               |
| Permanent Direct Impacts              | Concrete-lined Freshwater Portions of the L.A. River and Associated Drainages | Coastal Zone  |
| Permanent Indirect Impacts            | Earthen-bottom Intertidal Portions of the L.A. River and Associated Drainages | Jurisdictional Features (includes L.A. River)                       |
| Temporary Impacts                     | Open Water  | Other Drainage Features Within Developed Areas (non-jurisdictional) |
| Alternative 7/DO 1B and 3B Geometrics | Freshwater Emergent Marsh   | Non-jurisdictional Non Wetland Waters                               |
| Potential Retaining Walls             | Riparian Scrub  | Non-jurisdictional Wetland Waters                                   |
| Potential Sound Walls                 |   |   |
| Existing Features                     |   |   |

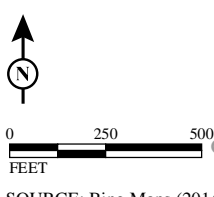
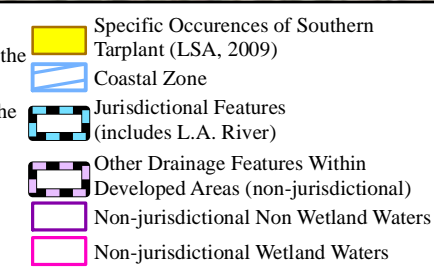
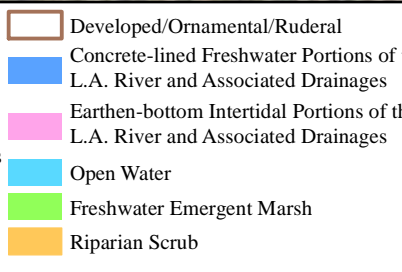
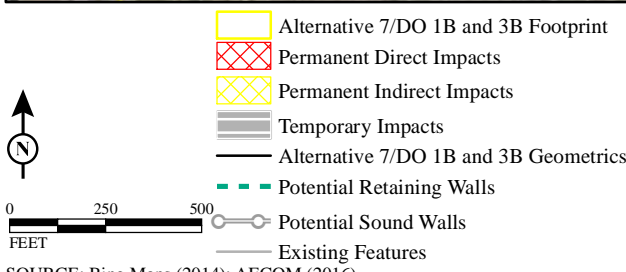
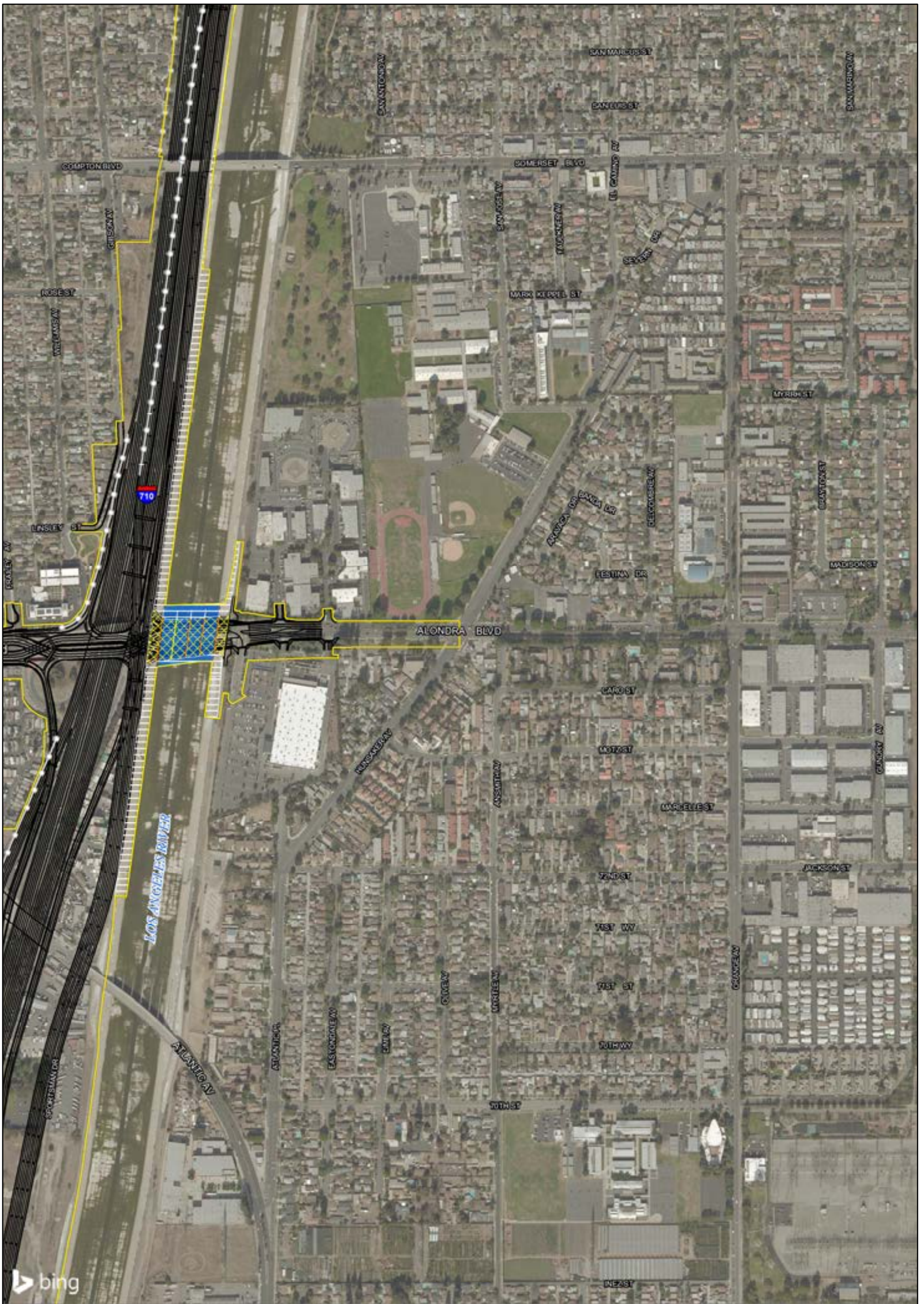


SOURCE: Bing Maps (2014); AECOM (2016)

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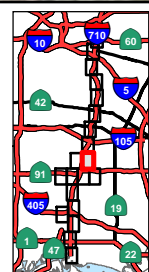




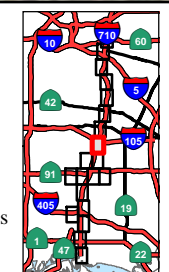
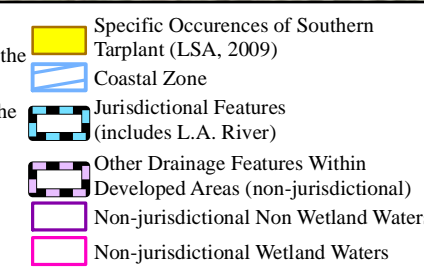
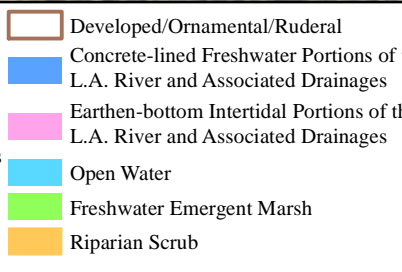
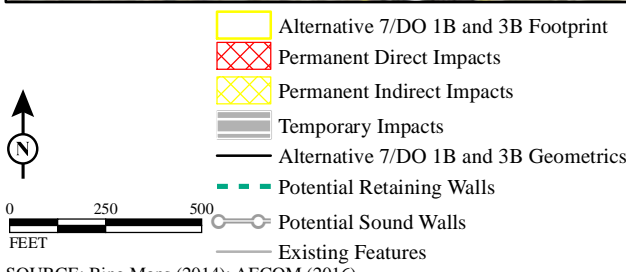


SOURCE: Bing Maps (2014); AECOM (2016)

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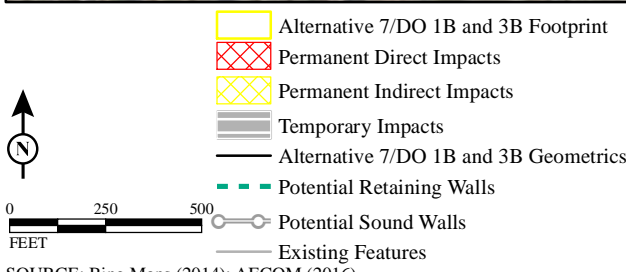


Appendix R  
 Sheet 12 of 20  
**I-710 Corridor Project**  
**RDEIR/SDEIS**  
**Project Impacts to Vegetation**  
**Communities Alternative 7**  
**and Design Options**  
 07-LA-710- PM 5.4/24.5  
 EA 249900; EFIS 0700000443

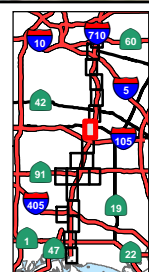


SOURCE: Bing Maps (2014); AECOM (2016)

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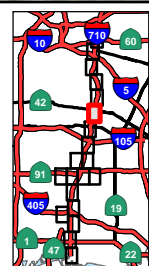
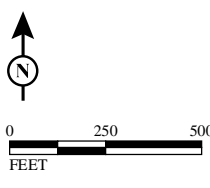


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 SOURCE: Bing Maps (2014); AECOM (2016)  
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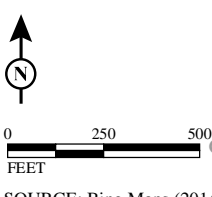
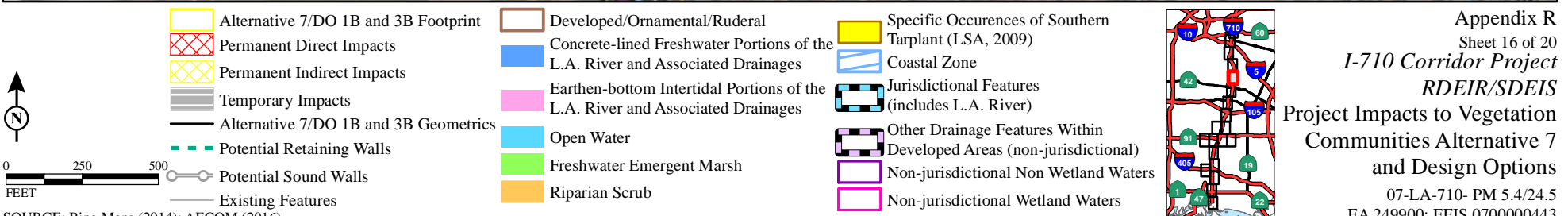




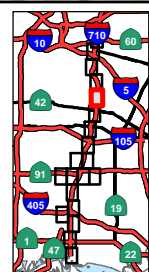
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|---------------------------------------|---|---|
| Alternative 7/DO 1B and 3B Footprint  | Developed/Ornamental/Ruderal  | Specific Occurrences of Southern Tarplant (LSA, 2009)               |
| Permanent Direct Impacts              | Concrete-lined Freshwater Portions of the L.A. River and Associated Drainages | Coastal Zone  |
| Permanent Indirect Impacts            | Earthen-bottom Intertidal Portions of the L.A. River and Associated Drainages | Jurisdictional Features (includes L.A. River)                       |
| Temporary Impacts                     | Open Water  | Other Drainage Features Within Developed Areas (non-jurisdictional) |
| Alternative 7/DO 1B and 3B Geometrics | Freshwater Emergent Marsh   | Non-jurisdictional Non Wetland Waters                               |
| Potential Retaining Walls             | Riparian Scrub  | Non-jurisdictional Wetland Waters                                   |
| Potential Sound Walls                 |   |   |
| Existing Features                     |   |   |



Appendix R  
 Sheet 15 of 20  
**I-710 Corridor Project**  
**RDEIR/SDEIS**  
 Project Impacts to Vegetation  
 Communities Alternative 7  
 and Design Options  
 07-LA-710- PM 5.4/24.5  
 EA 249900; EFIS 0700000443

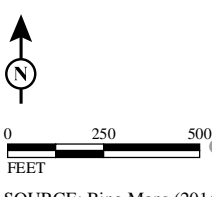


SOURCE: Bing Maps (2014); AECOM (2016)



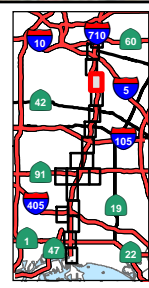


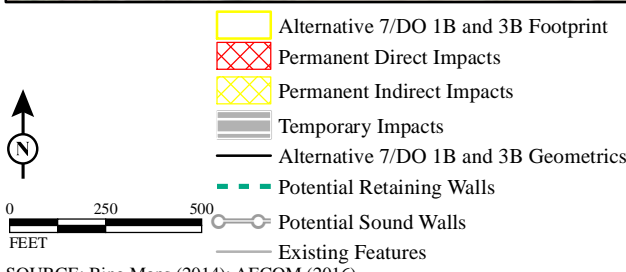
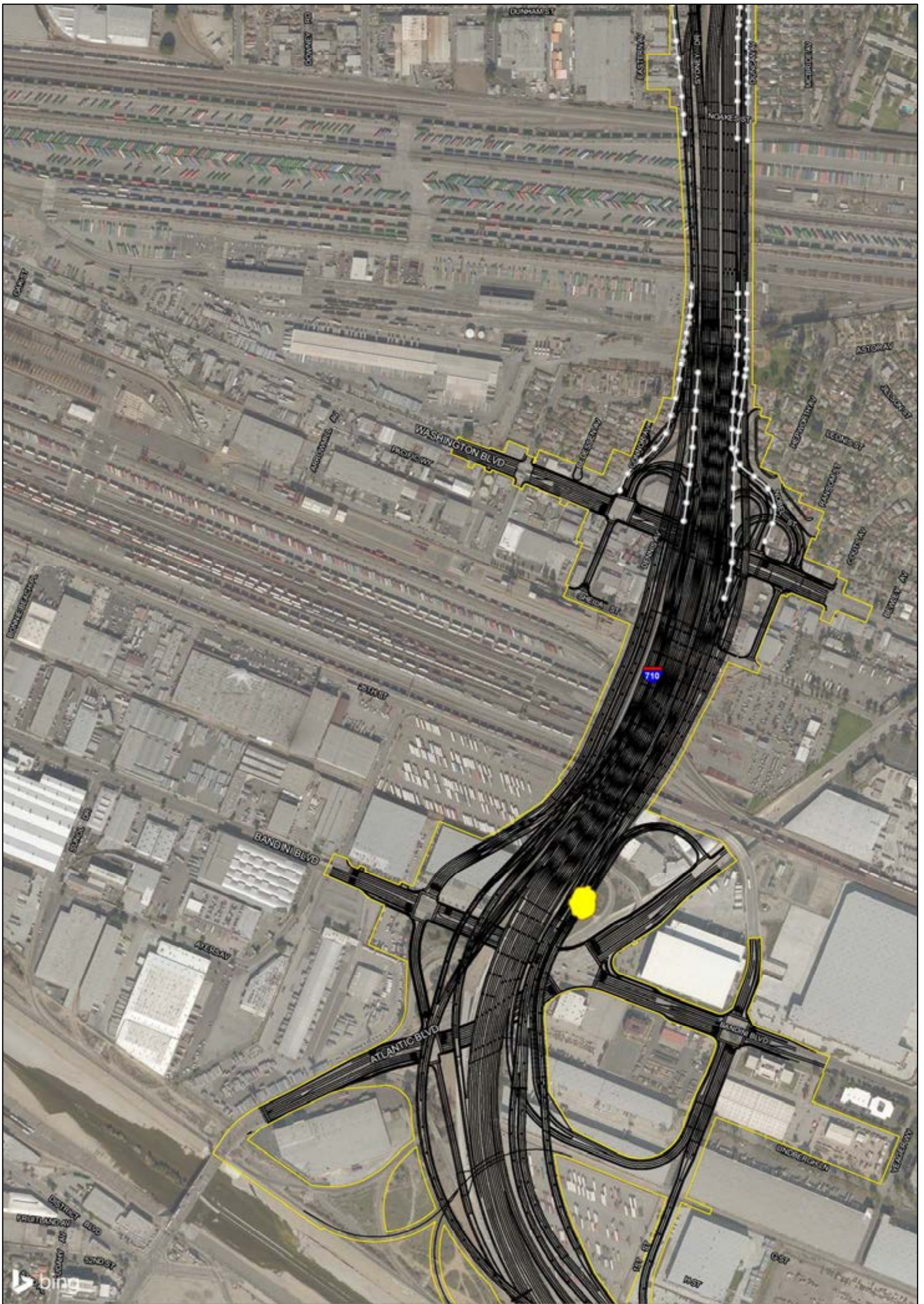
Alternative 7/DO 1B and 3B Footprint	Developed/Ornamental/Ruderal	Specific Occurrences of Southern Tarplant (LSA, 2009)
Permanent Direct Impacts	Concrete-lined Freshwater Portions of the L.A. River and Associated Drainages	Coastal Zone
Permanent Indirect Impacts	Earthen-bottom Intertidal Portions of the L.A. River and Associated Drainages	Jurisdictional Features (includes L.A. River)
Temporary Impacts	Open Water	Other Drainage Features Within Developed Areas (non-jurisdictional)
Alternative 7/DO 1B and 3B Geometrics	Freshwater Emergent Marsh	Non-jurisdictional Non Wetland Waters
Potential Retaining Walls	Riparian Scrub	Non-jurisdictional Wetland Waters
Potential Sound Walls		
Existing Features		



SOURCE: Bing Maps (2014); AECOM (2016)

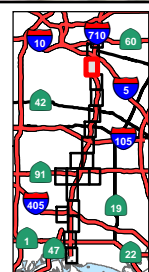
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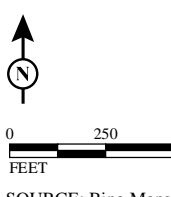
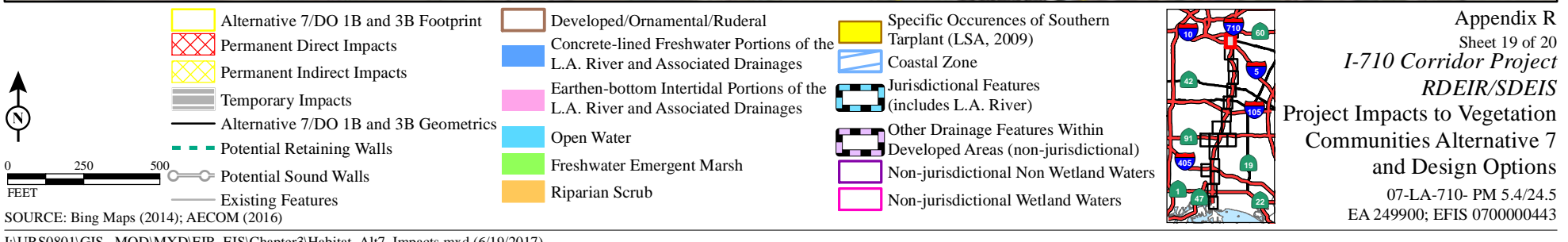




SOURCE: Bing Maps (2014); AECOM (2016)

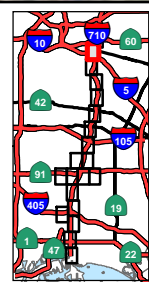
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|---------------------------------------|---|---|
| Alternative 7/DO 1B and 3B Footprint  | Developed/Ornamental/Ruderal  | Specific Occurrences of Southern Tarplant (LSA, 2009)               |
| Permanent Direct Impacts              | Concrete-lined Freshwater Portions of the L.A. River and Associated Drainages | Coastal Zone  |
| Permanent Indirect Impacts            | Earthen-bottom Intertidal Portions of the L.A. River and Associated Drainages | Jurisdictional Features (includes L.A. River)                       |
| Temporary Impacts                     | Open Water  | Other Drainage Features Within Developed Areas (non-jurisdictional) |
| Alternative 7/DO 1B and 3B Geometrics | Freshwater Emergent Marsh   | Non-jurisdictional Non Wetland Waters                               |
| Potential Retaining Walls             | Riparian Scrub  | Non-jurisdictional Wetland Waters                                   |
| Potential Sound Walls                 |   |   |
| Existing Features                     |   |   |



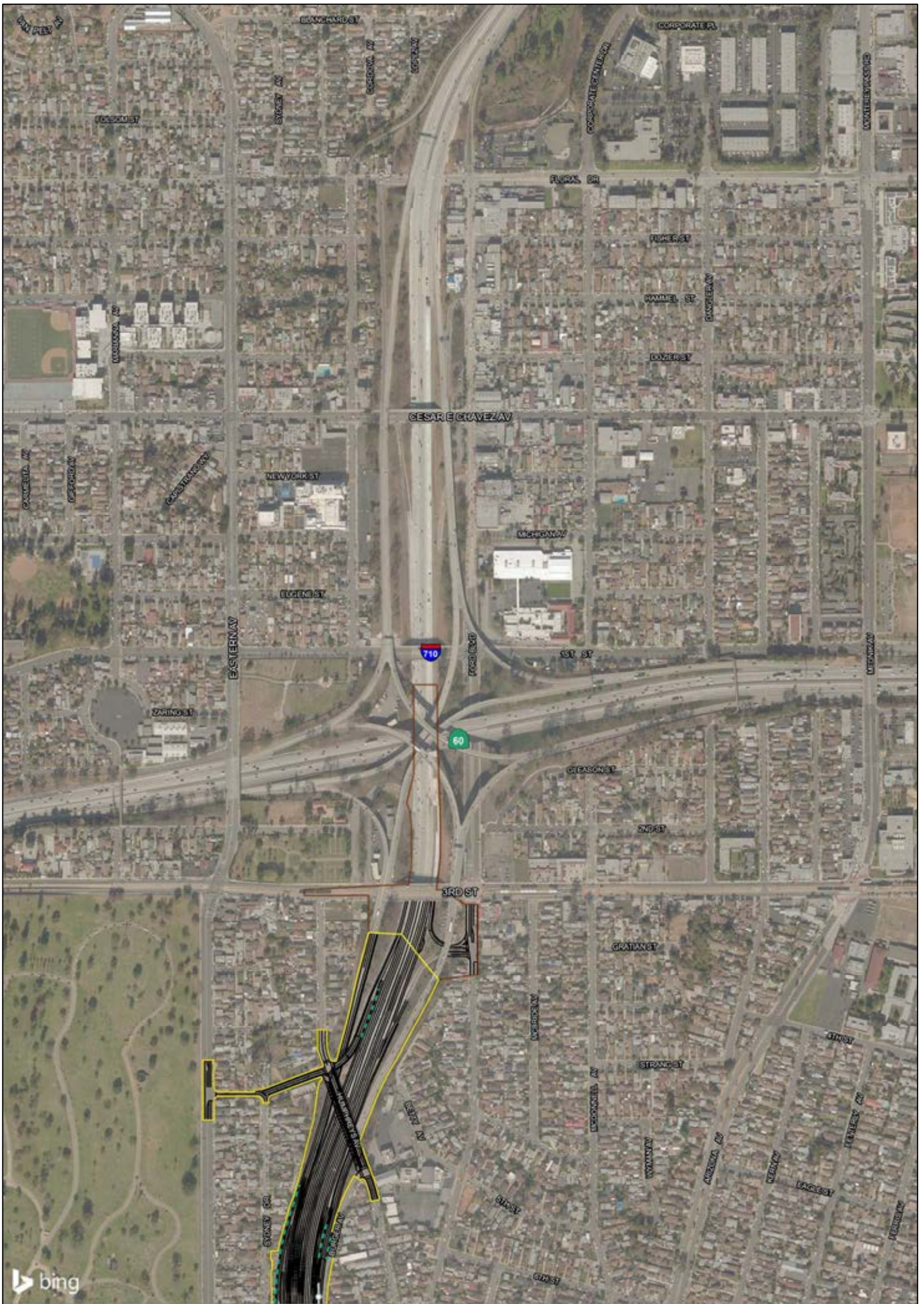


SOURCE: Bing Maps (2014); AECOM (2016)

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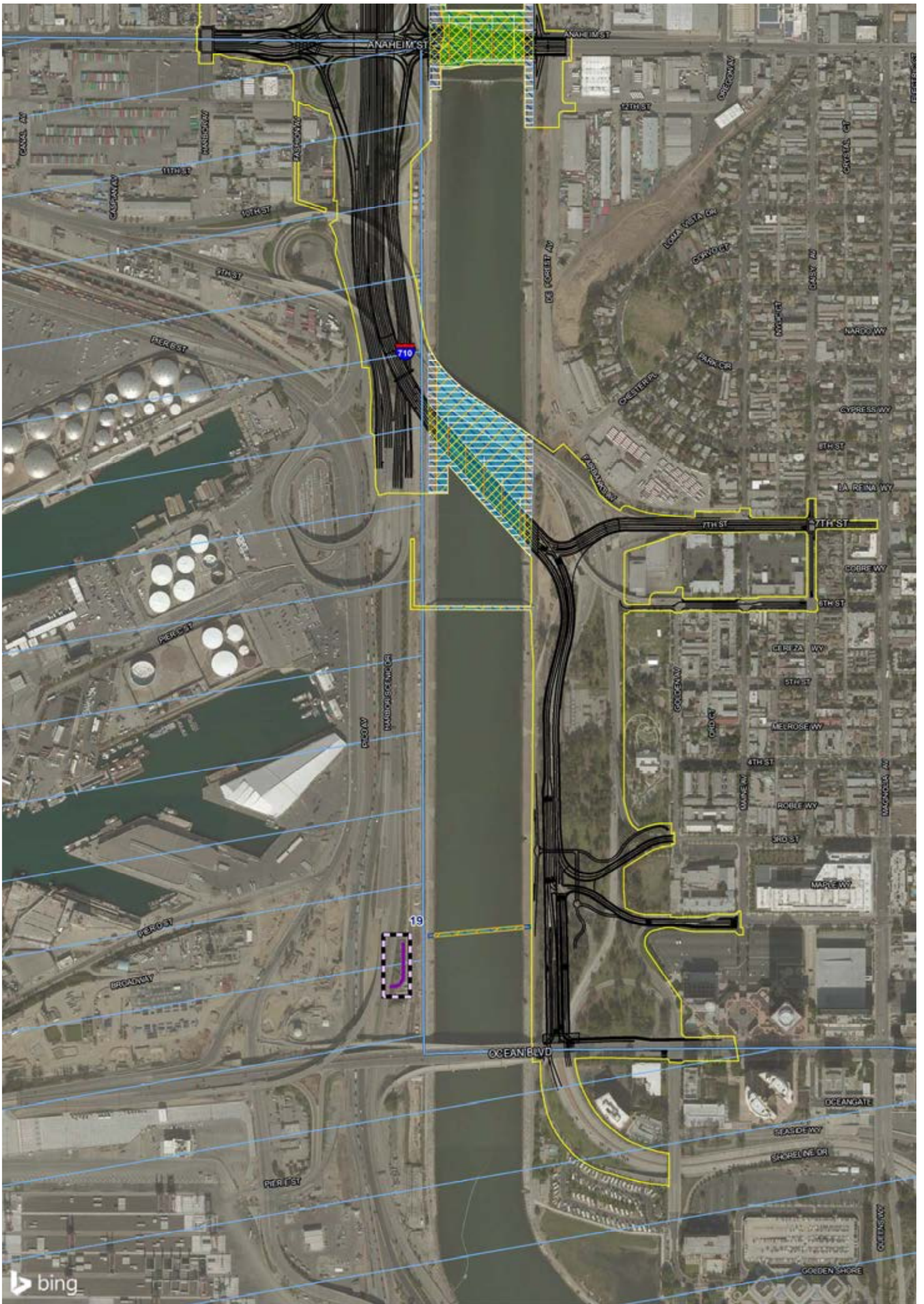
Appendix R  
 Sheet 19 of 20  
**I-710 Corridor Project**  
**RDEIR/SDEIS**  
**Project Impacts to Vegetation**  
**Communities Alternative 7**  
**and Design Options**  
 07-LA-710- PM 5.4/24.5  
 EA 249900; EFIS 0700000443



  SOURCE: Bing Maps (2014); AECOM (2016)	<ul style="list-style-type: none"> <li> Alternative 7/DO 1B and 3B Footprint</li> <li> Permanent Direct Impacts</li> <li> Permanent Indirect Impacts</li> <li> Temporary Impacts</li> <li> Alternative 7/DO 1B and 3B Geometrics</li> <li> Potential Retaining Walls</li> <li> Potential Sound Walls</li> <li> Existing Features</li> </ul>	<ul style="list-style-type: none"> <li> Developed/Ornamental/Ruderal</li> <li> Concrete-lined Freshwater Portions of the L.A. River and Associated Drainages</li> <li> Earthen-bottom Intertidal Portions of the L.A. River and Associated Drainages</li> <li> Open Water</li> <li> Freshwater Emergent Marsh</li> <li> Riparian Scrub</li> </ul>	<ul style="list-style-type: none"> <li> Specific Occurrences of Southern Tarplant (LSA, 2009)</li> <li> Coastal Zone</li> <li> Jurisdictional Features (includes L.A. River)</li> <li> Other Drainage Features Within Developed Areas (non-jurisdictional)</li> <li> Non-jurisdictional Non Wetland Waters</li> <li> Non-jurisdictional Wetland Waters</li> </ul>		<p>Appendix R          Sheet 20 of 20  <b>I-710 Corridor Project</b>  <b>RDEIR/SDEIS</b>  <b>Project Impacts to Vegetation</b>  <b>Communities Alternative 7</b>  <b>and Design Options</b>          07-LA-710- PM 5.4/24.5          EA 249900; EFIS 0700000443</p>
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## **B. PROJECT IMPACTS TO JURISDICTIONAL WATERS**

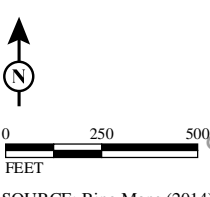
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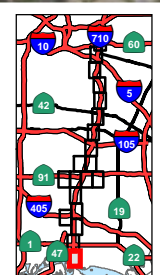
- Alternative 5/DO 1A, 2A, and 3A Footprint
- Permanent Direct Impacts
- Permanent Indirect Impacts
- Temporary Impacts
- Alternative 5/DO 1A, 2A, and 3A Geometries
- Potential Retaining Walls
- Potential Sound Walls
- Existing Features

- Jurisdictional Features (includes L.A. River)\*
- USACE Section 404 Jurisdictional Non Wetland Waters
- USACE Section 404 Jurisdictional Wetland Waters
- USACE Section 10 Jurisdictional Waters
- Continuation of Drainage Through Non-Jurisdictional Area or Outside BSA
- CDFW
- Other Drainage Features Within Developed Areas (non-jurisdictional)

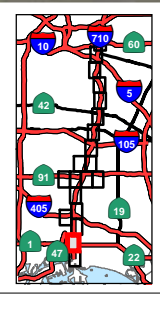
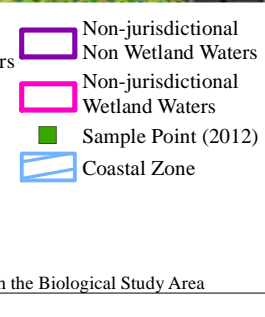
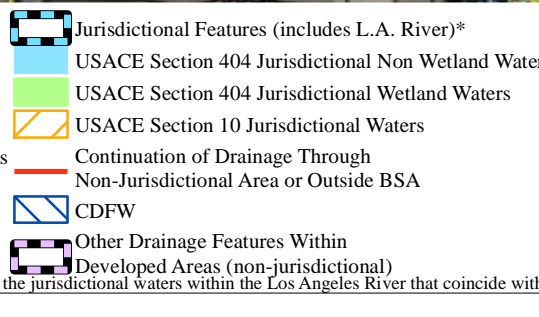
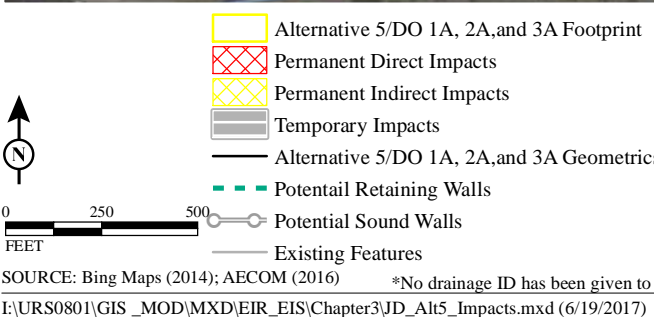
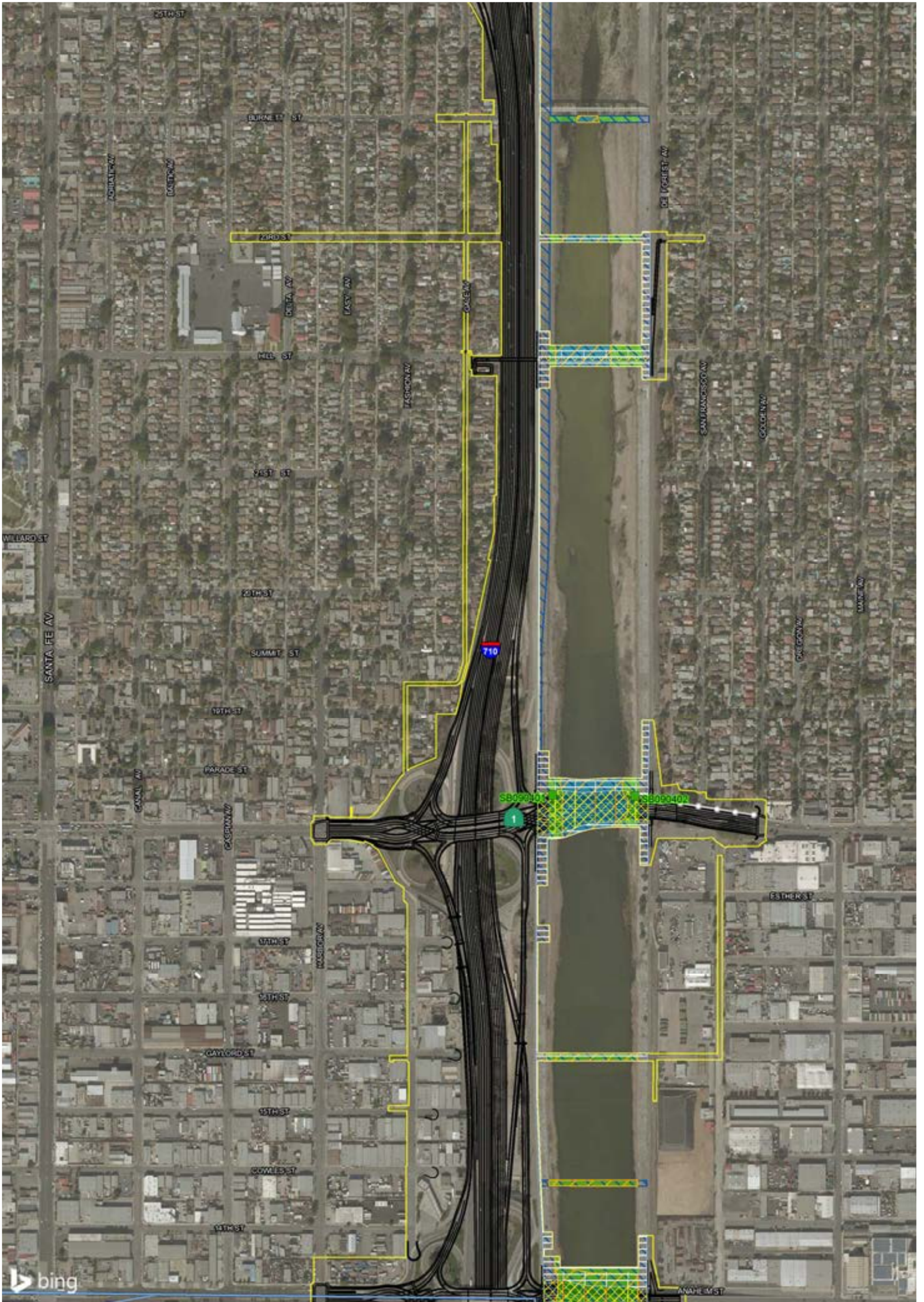
- Non-jurisdictional Non Wetland Waters
- Non-jurisdictional Wetland Waters
- Sample Point (2012)
- Coastal Zone



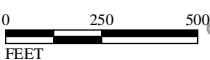
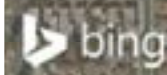
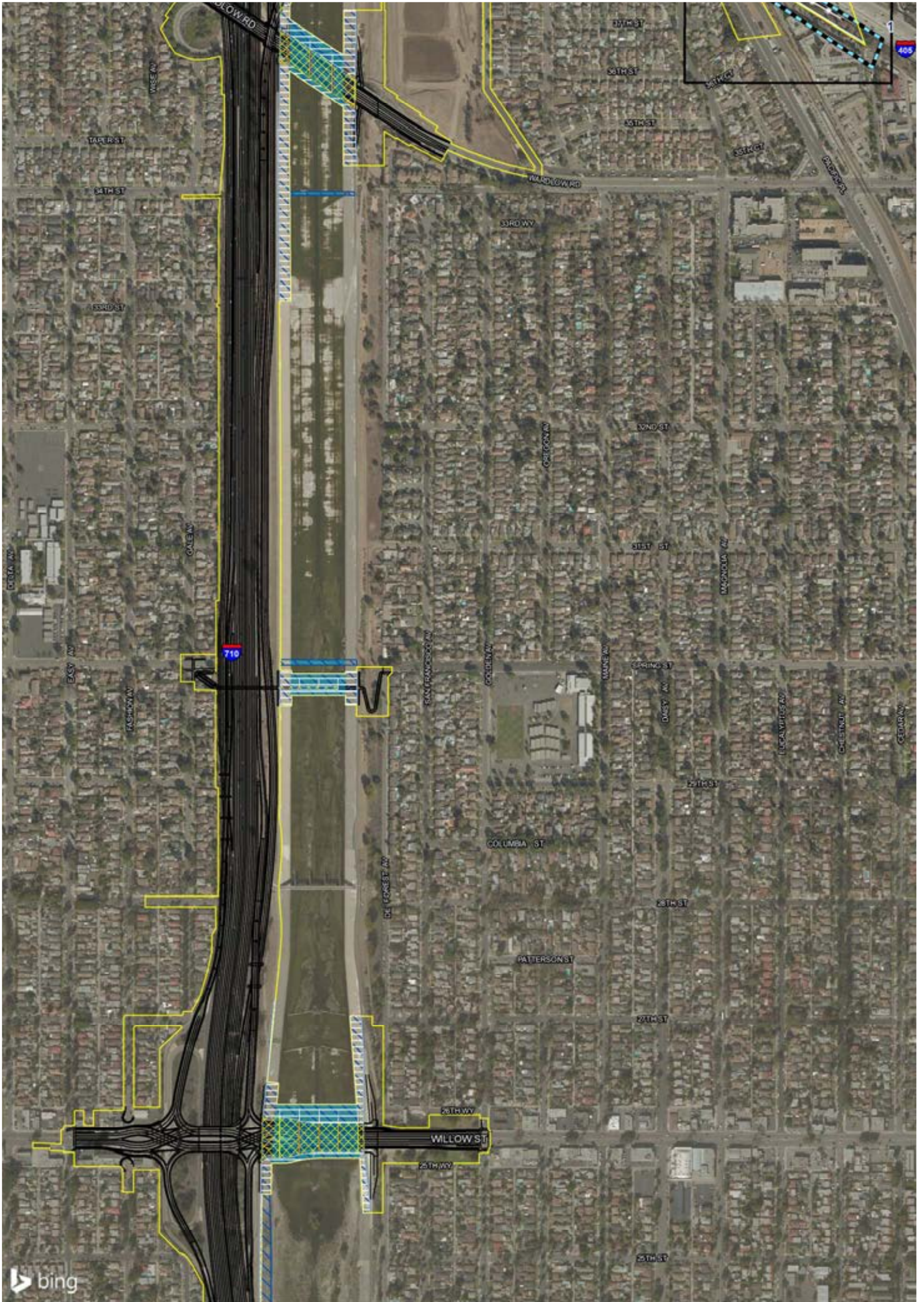
SOURCE: Bing Maps (2014); AECOM (2016) \*No drainage ID has been given to the jurisdictional waters within the Los Angeles River that coincide with the Biological Study Area



Appendix R  
 Sheet 1 of 20  
**I-710 Corridor Project**  
**RDEIR/SDEIS**  
 Impacts to Jurisdictional Waters Alternative 5C and Design Options  
 07-LA-710- PM 5.4/24.5  
 EA 249900; EFIS 0700000443



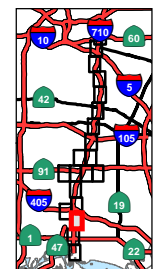
SOURCE: Bing Maps (2014); AECOM (2016) \*No drainage ID has been given to the jurisdictional waters within the Los Angeles River that coincide with the Biological Study Area  
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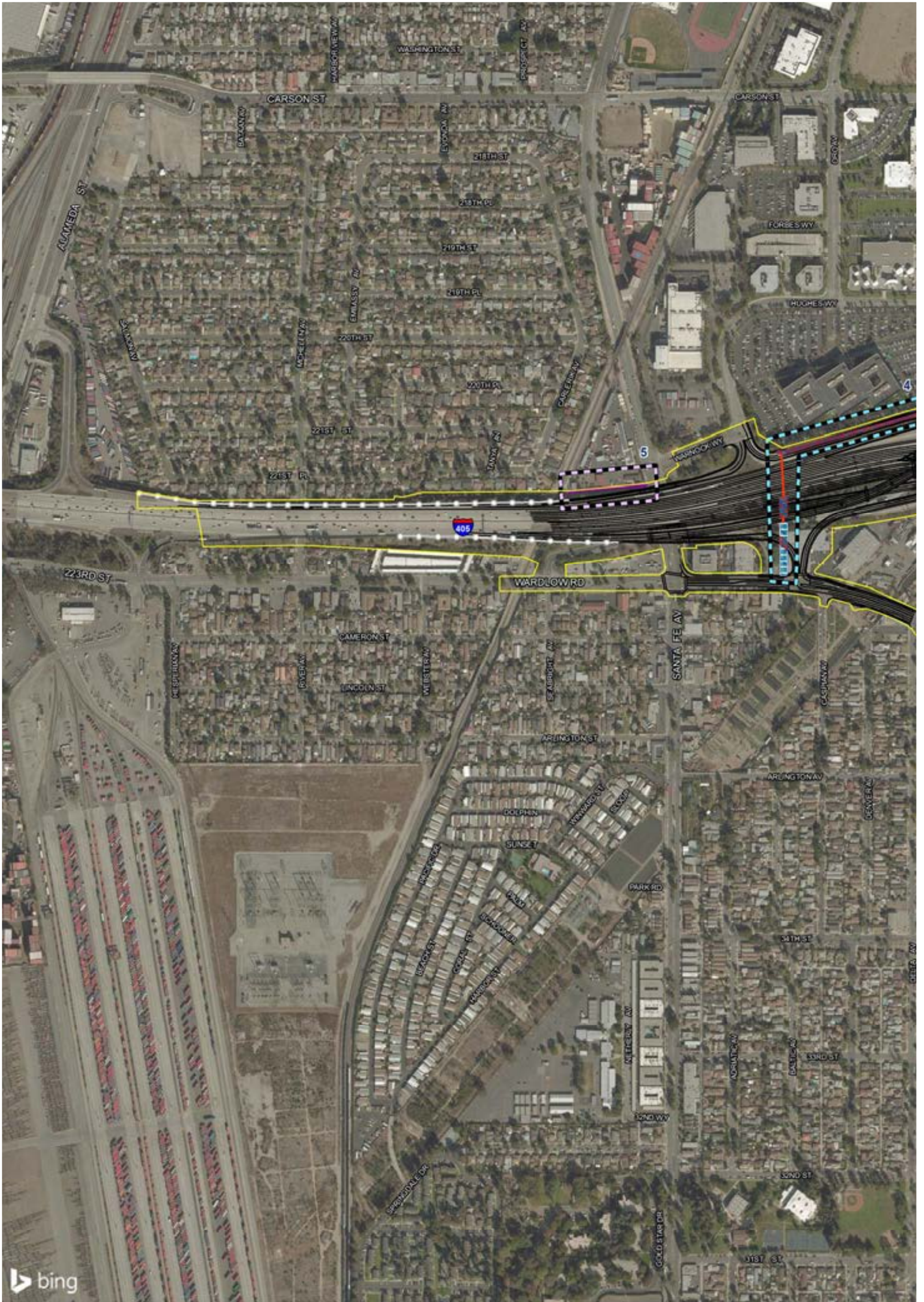
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- Permanent Direct Impacts
- Permanent Indirect Impacts
- Temporary Impacts
- Alternative 5/DO 1A, 2A, and 3A Geometries
- Potential Retaining Walls
- Potential Sound Walls
- Existing Features

- Jurisdictional Features (includes L.A. River)\*
- USACE Section 404 Jurisdictional Non Wetland Waters
- USACE Section 404 Jurisdictional Wetland Waters
- USACE Section 10 Jurisdictional Waters
- Continuation of Drainage Through Non-Jurisdictional Area or Outside BSA
- CDFW
- Other Drainage Features Within Developed Areas (non-jurisdictional)

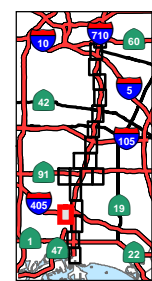
- Non-jurisdictional Non Wetland Waters
- Non-jurisdictional Wetland Waters
- Sample Point (2012)
- Coastal Zone



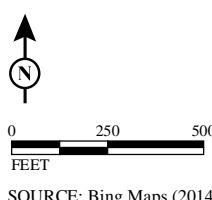
SOURCE: Bing Maps (2014); AECOM (2016) \*No drainage ID has been given to the jurisdictional waters within the Los Angeles River that coincide with the Biological Study Area  
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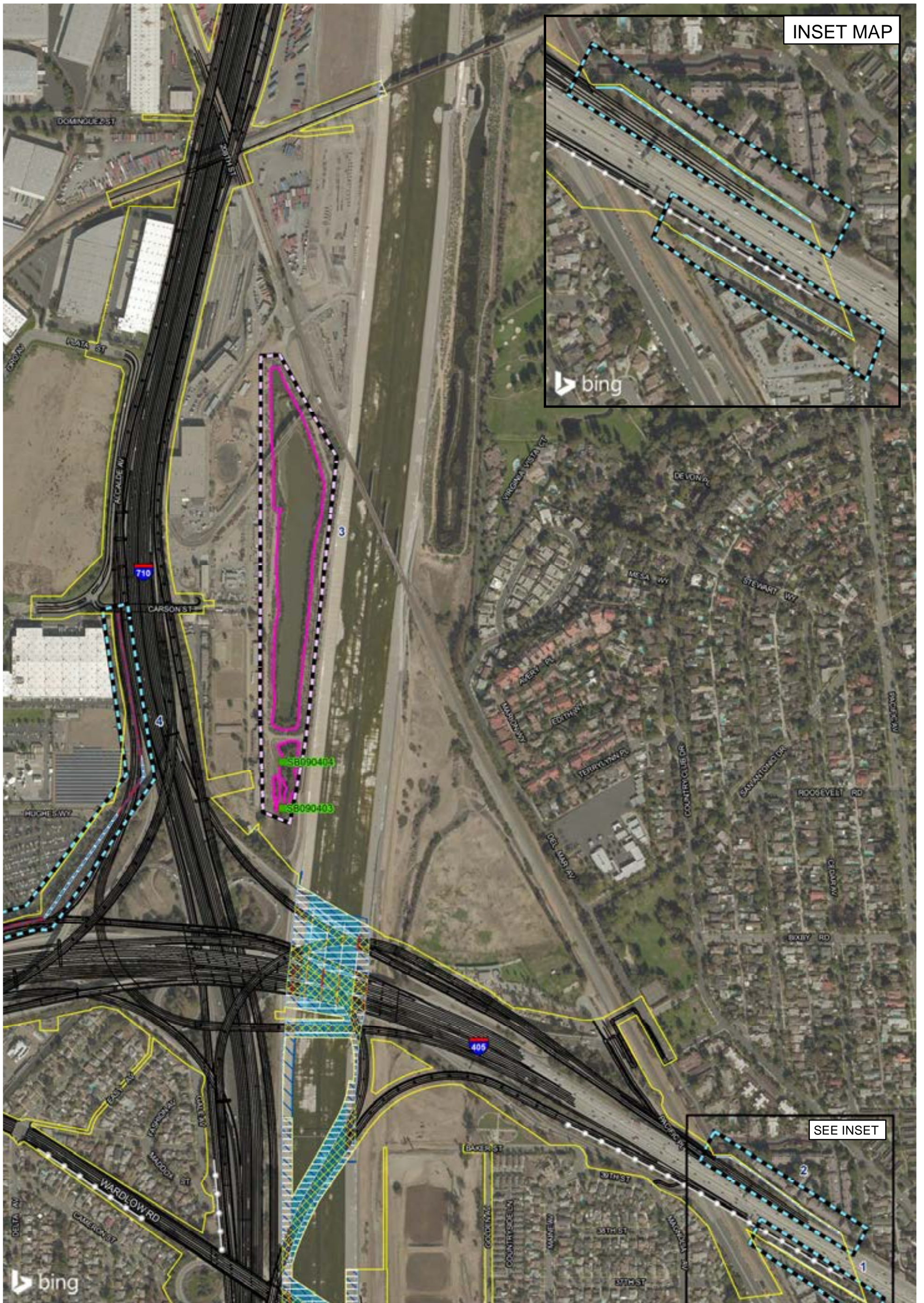


- |  |   |                                       |
|--|---|---------------------------------------|
| Alternative 5/DO 1A, 2A, and 3A Footprint  | Jurisdictional Features (includes L.A. River)*                          | Non-jurisdictional Non Wetland Waters |
| Permanent Direct Impacts                   | USACE Section 404 Jurisdictional Non Wetland Waters                     | Non-jurisdictional Wetland Waters     |
| Permanent Indirect Impacts                 | USACE Section 404 Jurisdictional Wetland Waters                         | Sample Point (2012)                   |
| Temporary Impacts                          | USACE Section 10 Jurisdictional Waters                                  | Coastal Zone                          |
| Alternative 5/DO 1A, 2A, and 3A Geometrics | Continuation of Drainage Through Non-Jurisdictional Area or Outside BSA |                                       |
| Potential Retaining Walls                  | CDFW  |                                       |
| Potential Sound Walls                      | Other Drainage Features Within Developed Areas (non-jurisdictional)     |                                       |
| Existing Features                          |   |                                       |



Appendix R  
 Sheet 4 of 20  
**I-710 Corridor Project**  
**RDEIR/SDEIS**  
**Impacts to Jurisdictional**  
**Waters Alternative 5C and**  
**Design Options**  
 07-LA-710- PM 5.4/24.5  
 EA 249900; EFIS 0700000443





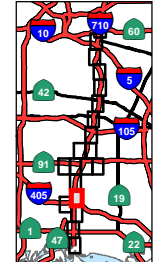
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SEE INSET

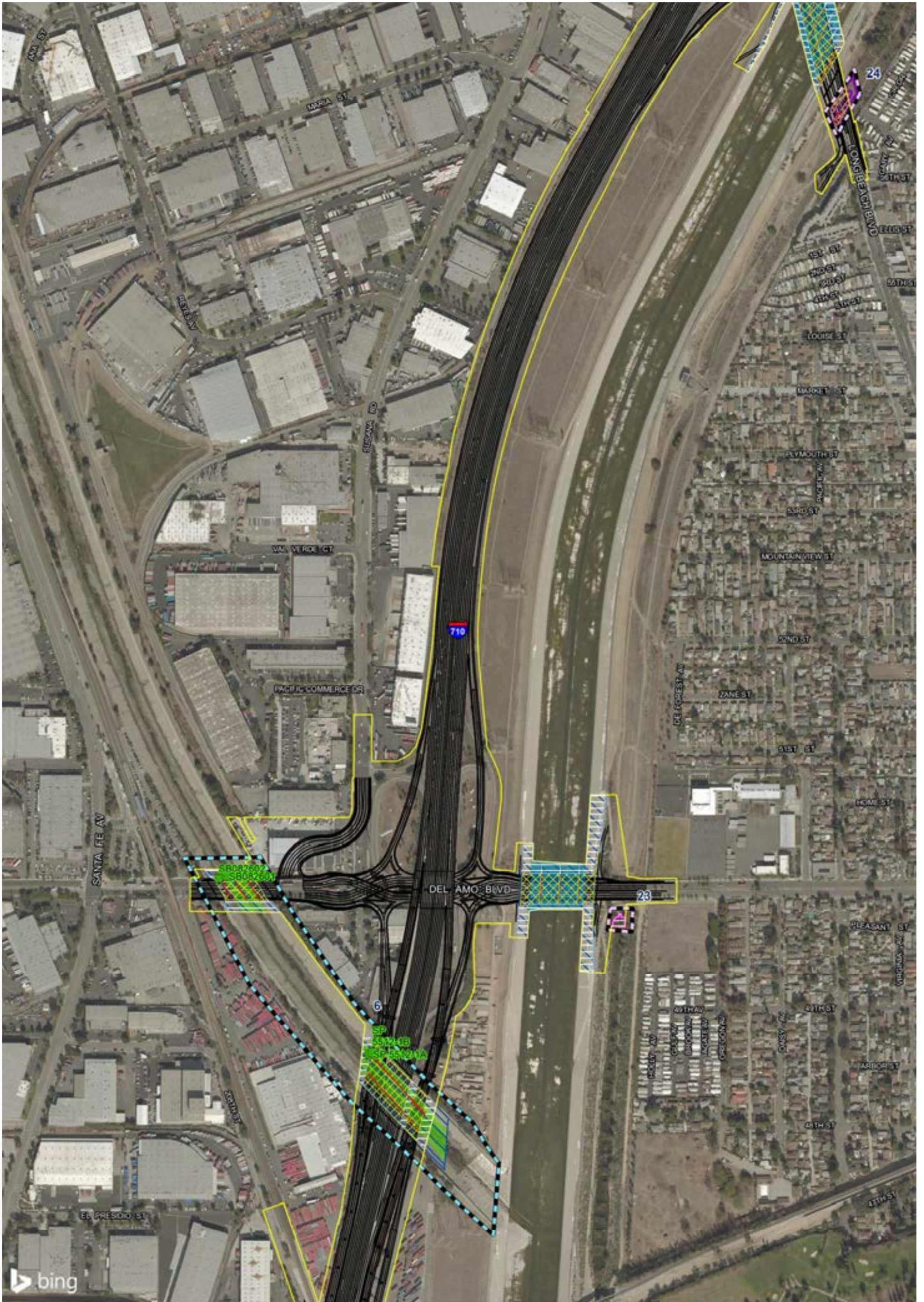
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- Permanent Direct Impacts
- Permanent Indirect Impacts
- Temporary Impacts
- Alternative 5/DO 1A, 2A, and 3A Geometries
- Potential Retaining Walls
- Potential Sound Walls
- Existing Features

- Jurisdictional Features (includes L.A. River)\*
- USACE Section 404 Jurisdictional Non Wetland Waters
- USACE Section 404 Jurisdictional Wetland Waters
- USACE Section 10 Jurisdictional Waters
- Continuation of Drainage Through Non-Jurisdictional Area or Outside BSA
- CDFW
- Other Drainage Features Within Developed Areas (non-jurisdictional)

- Non-jurisdictional Non Wetland Waters
- Non-jurisdictional Wetland Waters
- Sample Point (2012)
- Coastal Zone



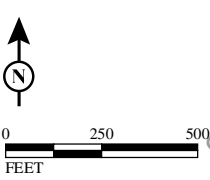
SOURCE: Bing Maps (2014); AECOM (2016) \*No drainage ID has been given to the jurisdictional waters within the Los Angeles River that coincide with the Biological Study Area  
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- Alternative 5/DO 1A, 2A, and 3A Footprint
- Permanent Direct Impacts
- Permanent Indirect Impacts
- Temporary Impacts
- Alternative 5/DO 1A, 2A, and 3A Geometries
- Potential Retaining Walls
- Potential Sound Walls
- Existing Features

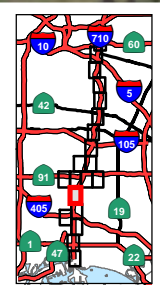
- Jurisdictional Features (includes L.A. River)\*
- USACE Section 404 Jurisdictional Non Wetland Waters
- USACE Section 404 Jurisdictional Wetland Waters
- USACE Section 10 Jurisdictional Waters
- Continuation of Drainage Through Non-Jurisdictional Area or Outside BSA
- CDFW
- Other Drainage Features Within Developed Areas (non-jurisdictional)

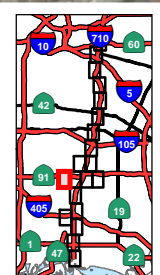
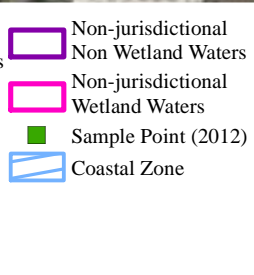
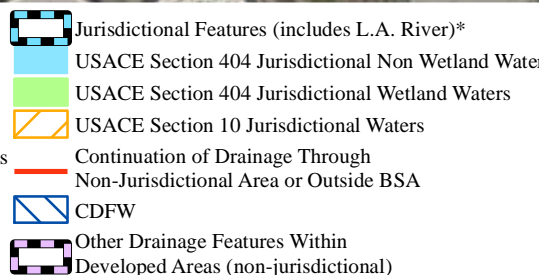
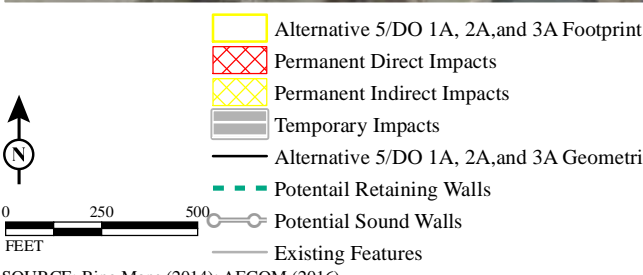
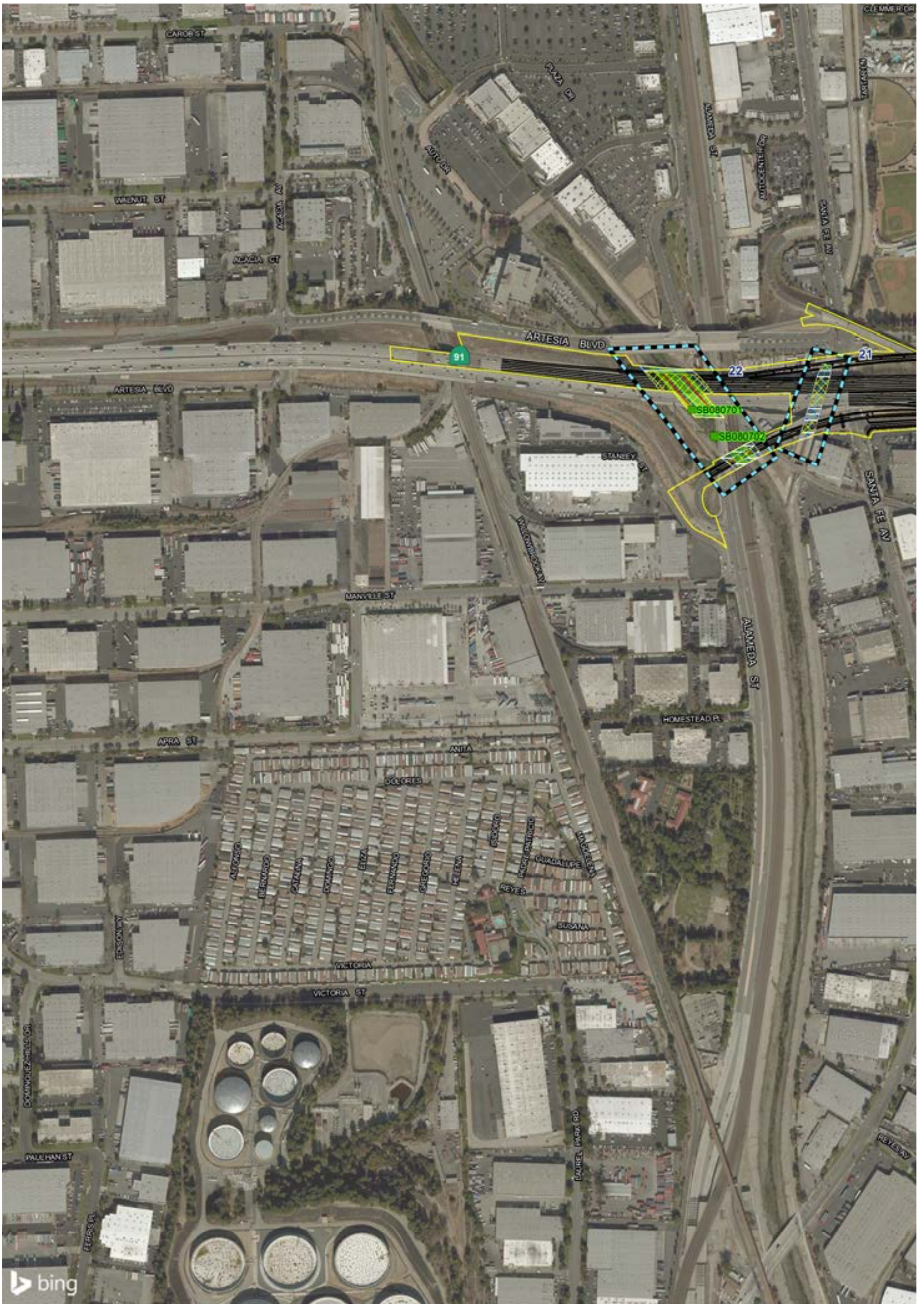
- Non-jurisdictional Non Wetland Waters
- Non-jurisdictional Wetland Waters
- Sample Point (2012)
- Coastal Zone



SOURCE: Bing Maps (2014); AECOM (2016)

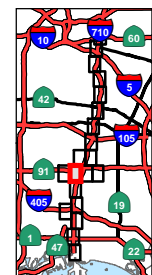
\*No drainage ID has been given to the jurisdictional waters within the Los Angeles River that coincide with the Biological Study Area



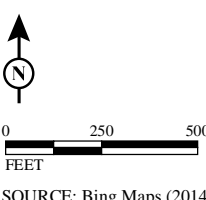




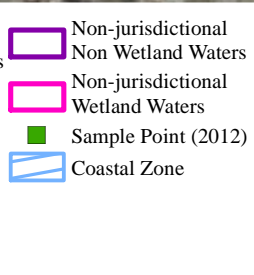
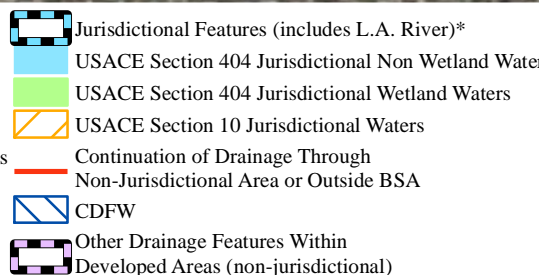
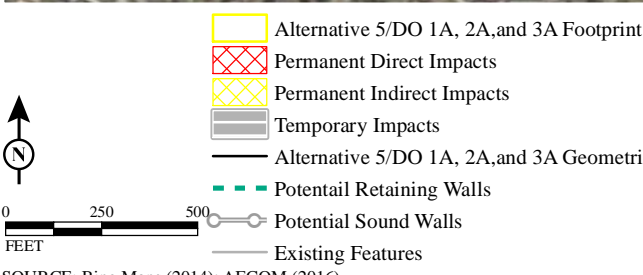
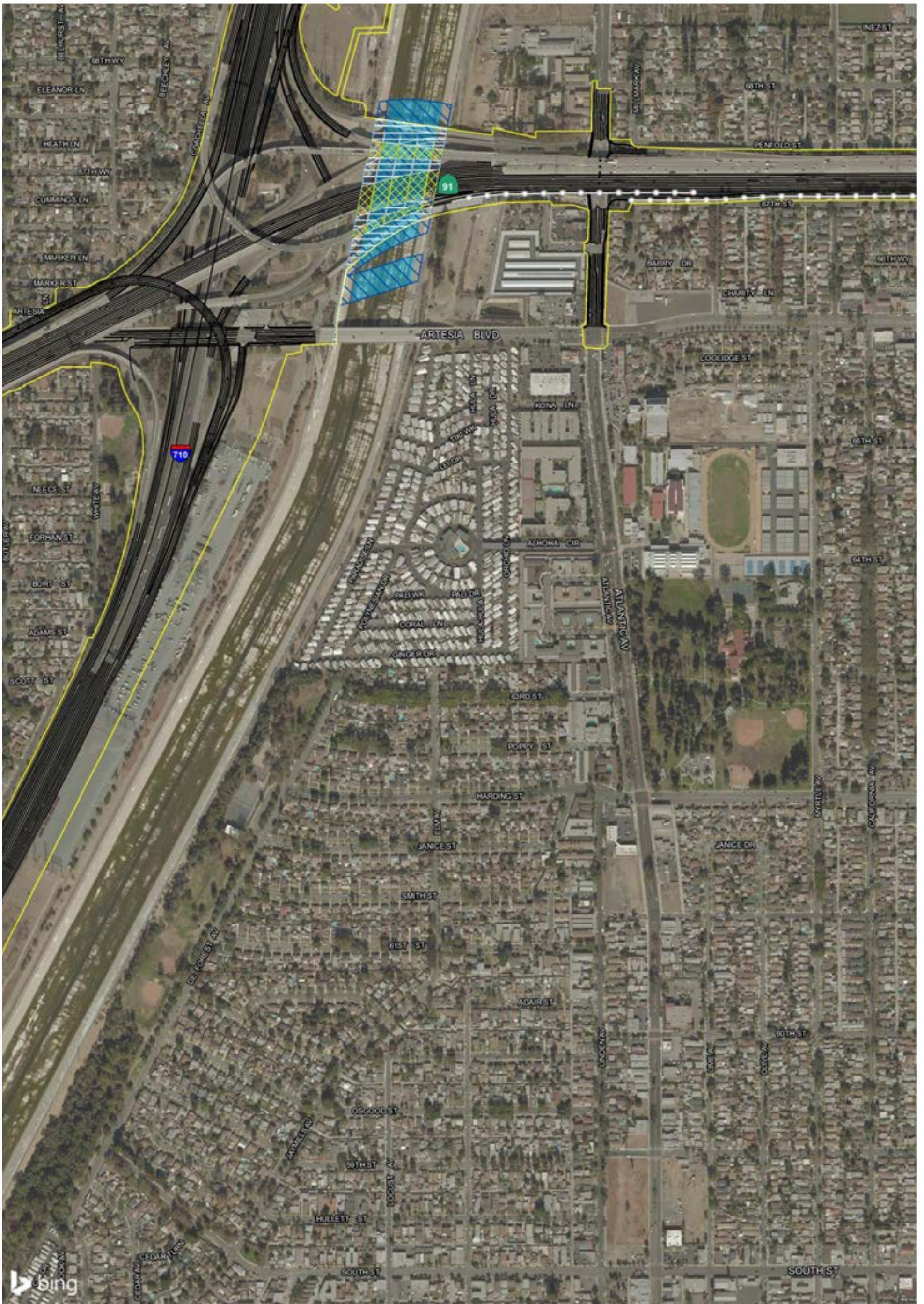
- |  |  |                                       |
|--|--|---------------------------------------|
| Alternative 5/DO 1A, 2A, and 3A Footprint  | Jurisdictional Features (includes L.A. River)*   | Non-jurisdictional Non Wetland Waters |
| Permanent Direct Impacts                   | USACE Section 404 Jurisdictional Non Wetland Waters  | Non-jurisdictional Wetland Waters     |
| Permanent Indirect Impacts                 | USACE Section 404 Jurisdictional Wetland Waters  | Sample Point (2012)                   |
| Temporary Impacts                          | USACE Section 10 Jurisdictional Waters   | Coastal Zone                          |
| Alternative 5/DO 1A, 2A, and 3A Geometrics | Continuation of Drainage Through Non-Jurisdictional Area or Outside BSA  |                                       |
| Potential Retaining Walls                  | CDFW   |                                       |
| Potential Sound Walls                      | Other Drainage Features Within Developed Areas (non-jurisdictional)  |                                       |
| Existing Features                          | Other Drainage Features Within the jurisdictional waters within the Los Angeles River that coincide with the Biological Study Area |                                       |



Appendix R  
 Sheet 8 of 20  
**I-710 Corridor Project**  
**RDEIR/SDEIS**  
**Impacts to Jurisdictional**  
**Waters Alternative 5C and**  
**Design Options**  
 07-LA-710- PM 5.4/24.5  
 EA 249900; EFIS 070000443

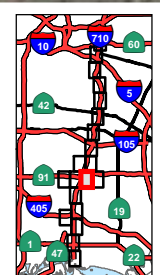


SOURCE: Bing Maps (2014); AECOM (2016) \*No drainage ID has been given to the jurisdictional waters within the Los Angeles River that coincide with the Biological Study Area  
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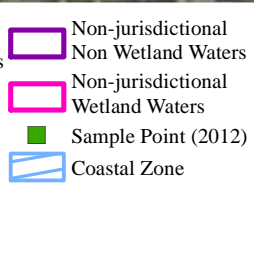
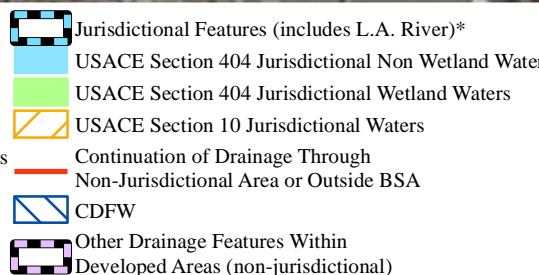
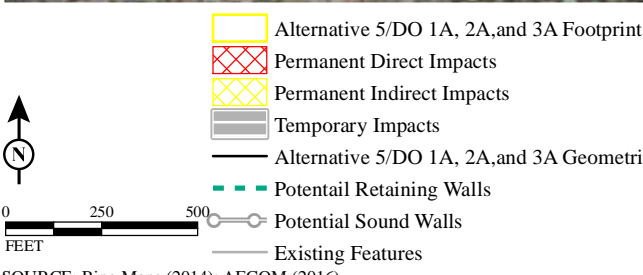
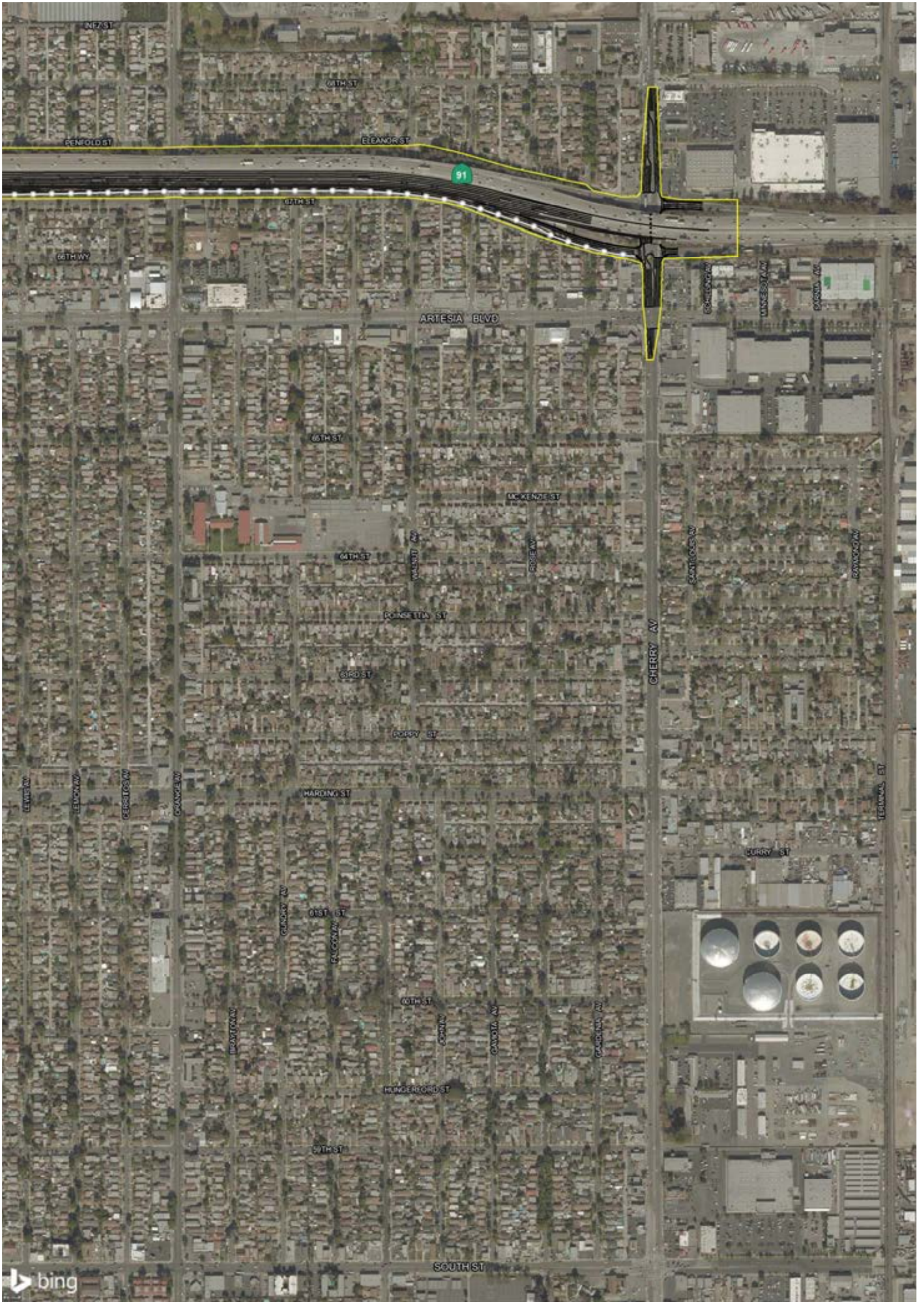


SOURCE: Bing Maps (2014); AECOM (2016)

\*No drainage ID has been given to the jurisdictional waters within the Los Angeles River that coincide with the Biological Study Area

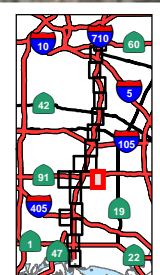


Appendix R  
 Sheet 9 of 20  
 I-710 Corridor Project  
 RDEIR/SDEIS  
 Impacts to Jurisdictional  
 Waters Alternative 5C and  
 Design Options  
 07-LA-710- PM 5.4/24.5  
 EA 249900; EFIS 0700000443

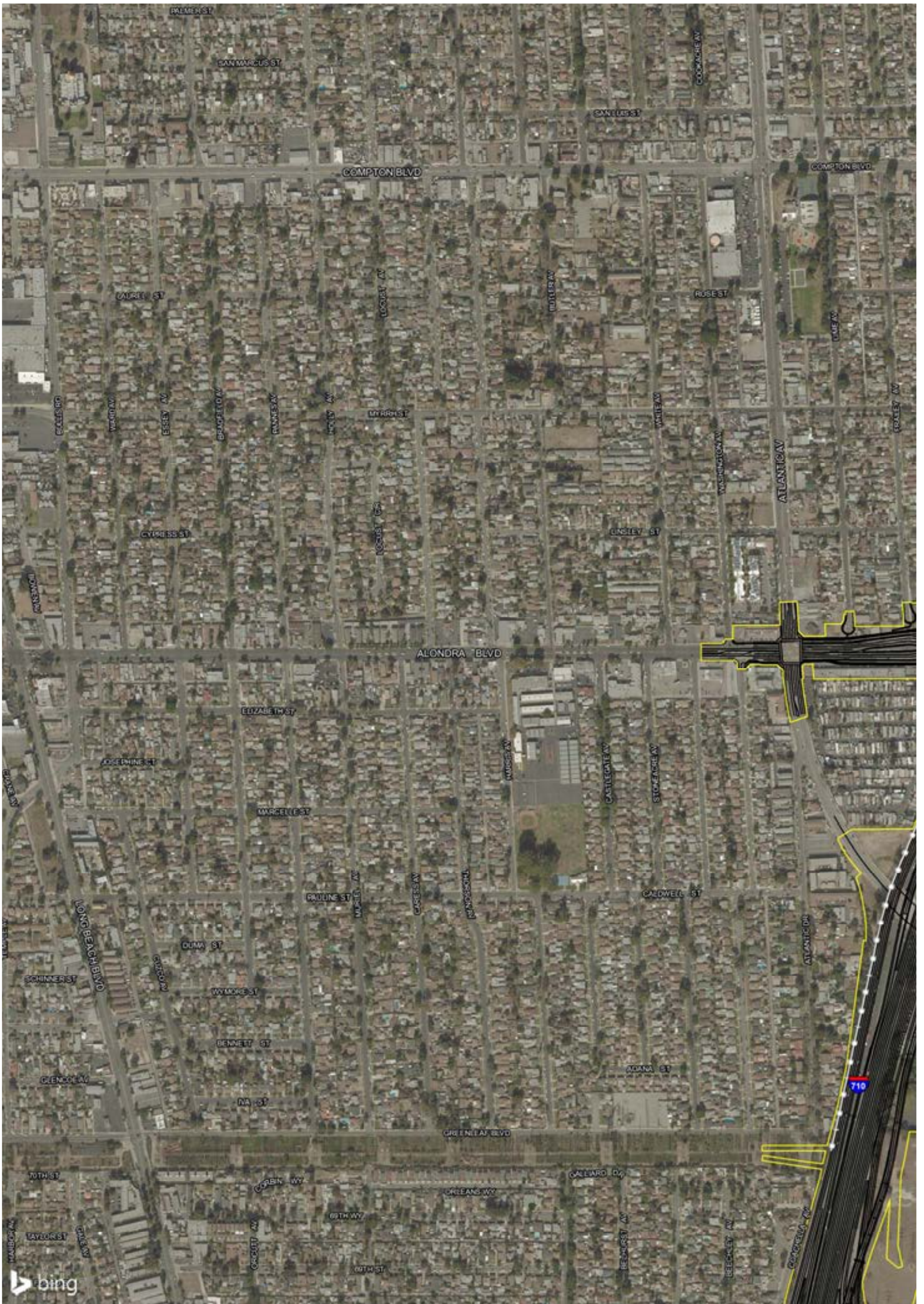


SOURCE: Bing Maps (2014); AECOM (2016)

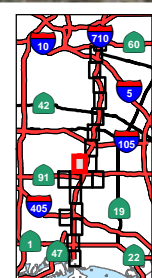
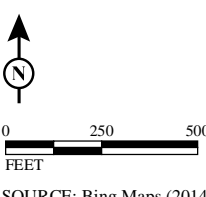
\*No drainage ID has been given to the jurisdictional waters within the Los Angeles River that coincide with the Biological Study Area



Appendix R  
 Sheet 10 of 20  
**I-710 Corridor Project**  
**RDEIR/SDEIS**  
 Impacts to Jurisdictional  
 Waters Alternative 5C and  
 Design Options  
 07-LA-710- PM 5.4/24.5  
 EA 249900; EFIS 0700000443

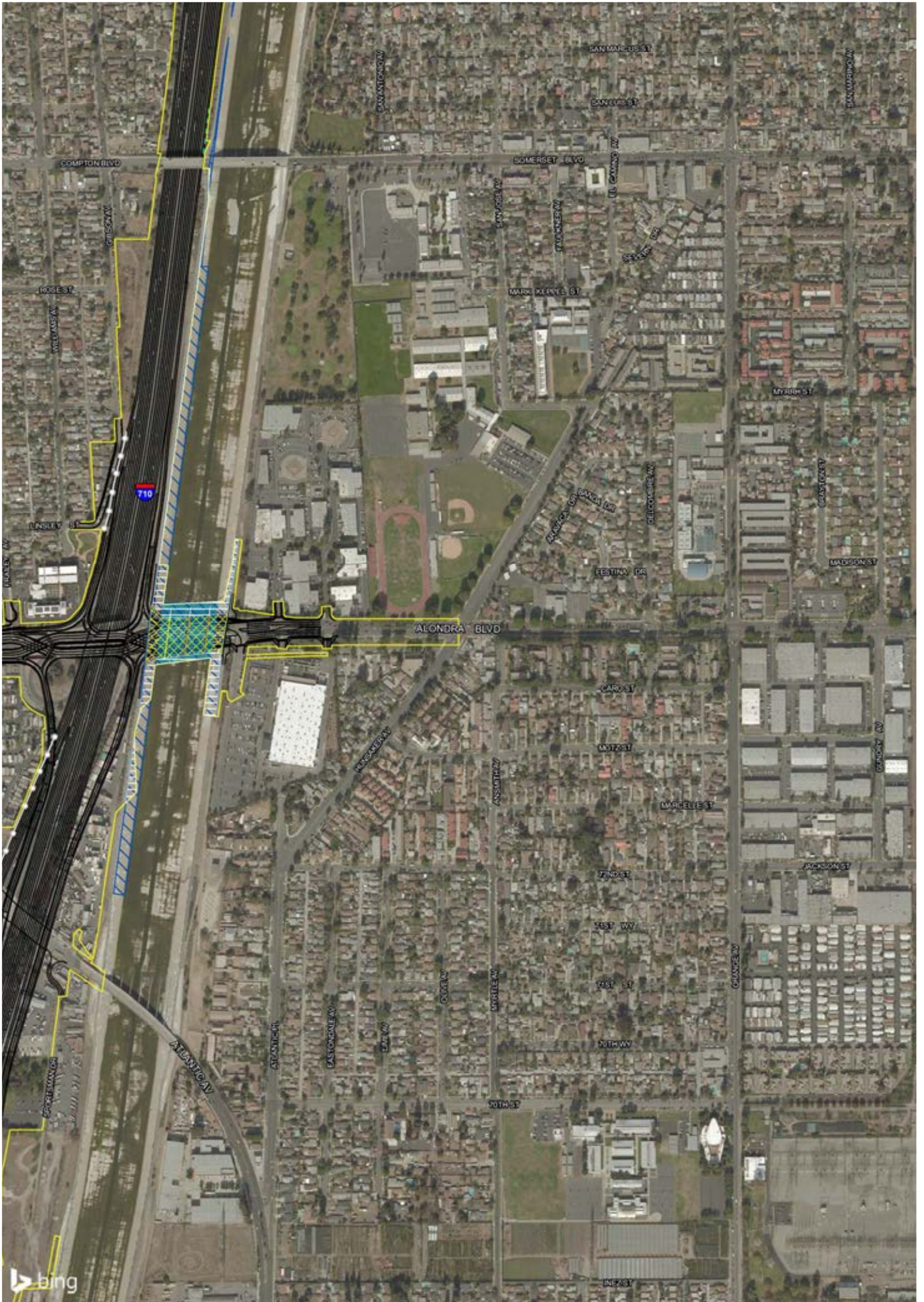


- |  |  |                                       |
|--|--|---------------------------------------|
| Alternative 5/DO 1A, 2A, and 3A Footprint  | Jurisdictional Features (includes L.A. River)*   | Non-jurisdictional Non Wetland Waters |
| Permanent Direct Impacts                   | USACE Section 404 Jurisdictional Non Wetland Waters  | Non-jurisdictional Wetland Waters     |
| Permanent Indirect Impacts                 | USACE Section 404 Jurisdictional Wetland Waters  | Sample Point (2012)                   |
| Temporary Impacts                          | USACE Section 10 Jurisdictional Waters   | Coastal Zone                          |
| Alternative 5/DO 1A, 2A, and 3A Geometrics | Continuation of Drainage Through Non-Jurisdictional Area or Outside BSA  |                                       |
| Potential Retaining Walls                  | CDFW   |                                       |
| Potential Sound Walls                      | Other Drainage Features Within Developed Areas (non-jurisdictional)  |                                       |
| Existing Features                          | Other Drainage Features Within the jurisdictional waters within the Los Angeles River that coincide with the Biological Study Area |                                       |



Appendix R  
 Sheet 11 of 20  
**I-710 Corridor Project**  
**RDEIR/SDEIS**  
**Impacts to Jurisdictional**  
**Waters Alternative 5C and**  
**Design Options**  
 07-LA-710- PM 5.4/24.5  
 EA 249900; EFIS 0700000443

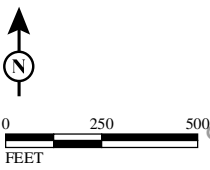
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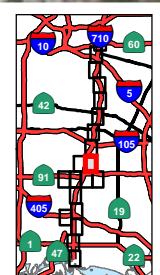
- Alternative 5/DO 1A, 2A, and 3A Footprint
- Permanent Direct Impacts
- Permanent Indirect Impacts
- Temporary Impacts
- Alternative 5/DO 1A, 2A, and 3A Geometrics
- Potential Retaining Walls
- Potential Sound Walls
- Existing Features

- Jurisdictional Features (includes L.A. River)\*
- USACE Section 404 Jurisdictional Non Wetland Waters
- USACE Section 404 Jurisdictional Wetland Waters
- USACE Section 10 Jurisdictional Waters
- Continuation of Drainage Through Non-Jurisdictional Area or Outside BSA
- CDFW
- Other Drainage Features Within Developed Areas (non-jurisdictional)

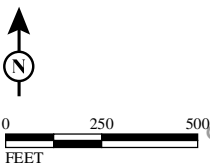
- Non-jurisdictional Non Wetland Waters
- Non-jurisdictional Wetland Waters
- Sample Point (2012)
- Coastal Zone



SOURCE: Bing Maps (2014); AECOM (2016) \*No drainage ID has been given to the jurisdictional waters within the Los Angeles River that coincide with the Biological Study Area



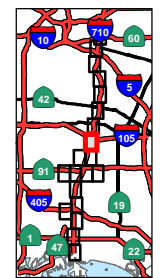
Appendix R  
 Sheet 12 of 20  
**I-710 Corridor Project**  
**RDEIR/SDEIS**  
 Impacts to Jurisdictional Waters Alternative 5C and Design Options  
 07-LA-710- PM 5.4/24.5  
 EA 249900; EFIS 0700000443



- Alternative 5/DO 1A, 2A, and 3A Footprint
- Permanent Direct Impacts
- Permanent Indirect Impacts
- Temporary Impacts
- Alternative 5/DO 1A, 2A, and 3A Geometrics
- Potential Retaining Walls
- Potential Sound Walls
- Existing Features

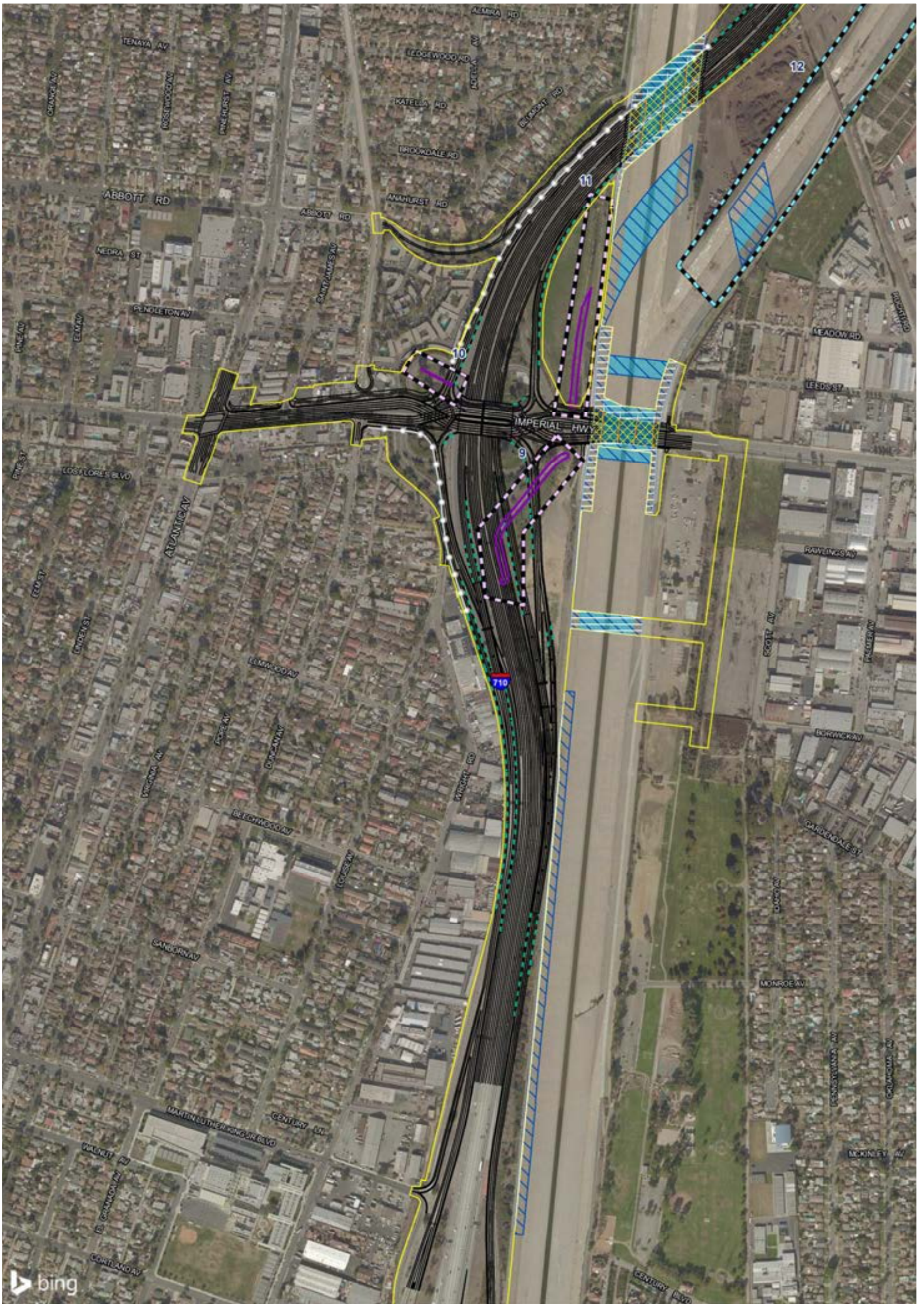
- Jurisdictional Features (includes L.A. River)\*
- USACE Section 404 Jurisdictional Non Wetland Waters
- USACE Section 404 Jurisdictional Wetland Waters
- USACE Section 10 Jurisdictional Waters
- Continuation of Drainage Through Non-Jurisdictional Area or Outside BSA
- CDFW
- Other Drainage Features Within Developed Areas (non-jurisdictional)

- Non-jurisdictional Non Wetland Waters
- Non-jurisdictional Wetland Waters
- Sample Point (2012)
- Coastal Zone



Appendix R  
 Sheet 13 of 20  
**I-710 Corridor Project**  
**RDEIR/SDEIS**  
**Impacts to Jurisdictional**  
**Waters Alternative 5C and**  
**Design Options**  
 07-LA-710- PM 5.4/24.5  
 EA 249900; EFIS 0700000443

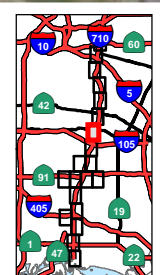
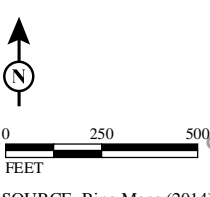
SOURCE: Bing Maps (2014); AECOM (2016) \*No drainage ID has been given to the jurisdictional waters within the Los Angeles River that coincide with the Biological Study Area  
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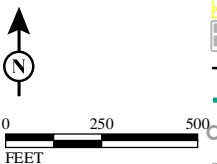
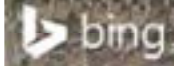
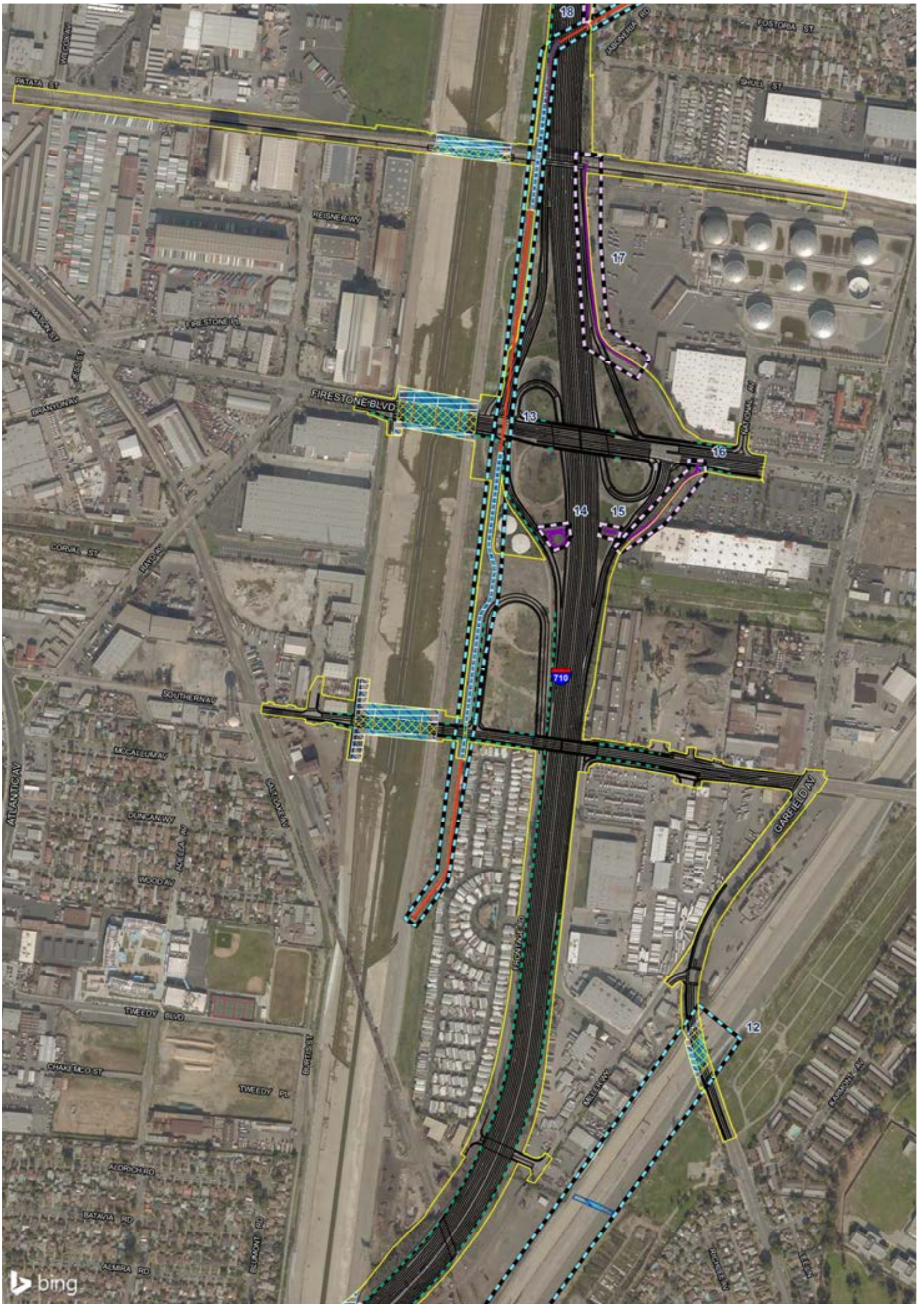
- Alternative 5/DO 1A, 2A, and 3A Footprint
- Permanent Direct Impacts
- Permanent Indirect Impacts
- Temporary Impacts
- Alternative 5/DO 1A, 2A, and 3A Geometries
- Potential Retaining Walls
- Potential Sound Walls
- Existing Features

- Jurisdictional Features (includes L.A. River)\*
- USACE Section 404 Jurisdictional Non Wetland Waters
- USACE Section 404 Jurisdictional Wetland Waters
- USACE Section 10 Jurisdictional Waters
- Continuation of Drainage Through Non-Jurisdictional Area or Outside BSA
- CDFW
- Other Drainage Features Within Developed Areas (non-jurisdictional)

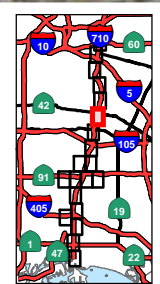
- Non-jurisdictional Non Wetland Waters
- Non-jurisdictional Wetland Waters
- Sample Point (2012)
- Coastal Zone



SOURCE: Bing Maps (2014); AECOM (2016) \*No drainage ID has been given to the jurisdictional waters within the Los Angeles River that coincide with the Biological Study Area  
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- |  |   |                                       |
|--|---|---------------------------------------|
| Alternative 5/DO 1A, 2A, and 3A Footprint  | USACE Section 404 Jurisdictional Non Wetland Waters                     | Non-jurisdictional Non Wetland Waters |
| Permanent Direct Impacts                   | USACE Section 404 Jurisdictional Wetland Waters                         | Non-jurisdictional Wetland Waters     |
| Permanent Indirect Impacts                 | USACE Section 10 Jurisdictional Waters                                  | Sample Point (2012)                   |
| Temporary Impacts                          | Continuation of Drainage Through Non-Jurisdictional Area or Outside BSA | Coastal Zone                          |
| Alternative 5/DO 1A, 2A, and 3A Geometrics | CDFW  |                                       |
| Potential Retaining Walls                  | Other Drainage Features Within  |                                       |
| Potential Sound Walls                      | Developed Areas (non-jurisdictional)                                    |                                       |
| Existing Features                          | Jurisdictional Features (includes L.A. River)*                          |                                       |



Appendix R  
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**I-710 Corridor Project**  
**RDEIR/SDEIS**  
 Impacts to Jurisdictional Waters Alternative 5C and Design Options  
 07-LA-710- PM 5.4/24.5  
 EA 249900; EFIS 0700000443

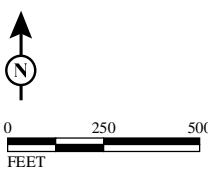
SOURCE: Bing Maps (2014); AECOM (2016) \*No drainage ID has been given to the jurisdictional waters within the Los Angeles River that coincide with the Biological Study Area  
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- Alternative 5/DO 1A, 2A, and 3A Footprint
- Permanent Direct Impacts
- Permanent Indirect Impacts
- Temporary Impacts
- Alternative 5/DO 1A, 2A, and 3A Geometrics
- Potential Retaining Walls
- Potential Sound Walls
- Existing Features

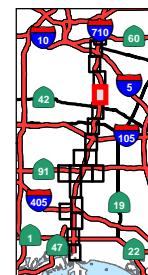
- Jurisdictional Features (includes L.A. River)\*
- USACE Section 404 Jurisdictional Non Wetland Waters
- USACE Section 404 Jurisdictional Wetland Waters
- USACE Section 10 Jurisdictional Waters
- Continuation of Drainage Through Non-Jurisdictional Area or Outside BSA
- CDFW
- Other Drainage Features Within Developed Areas (non-jurisdictional)

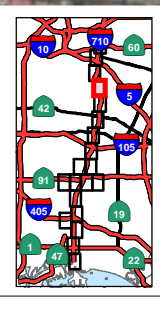
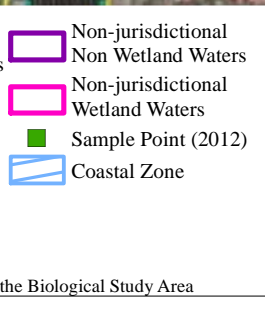
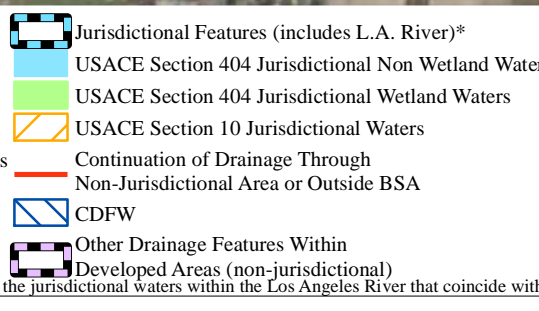
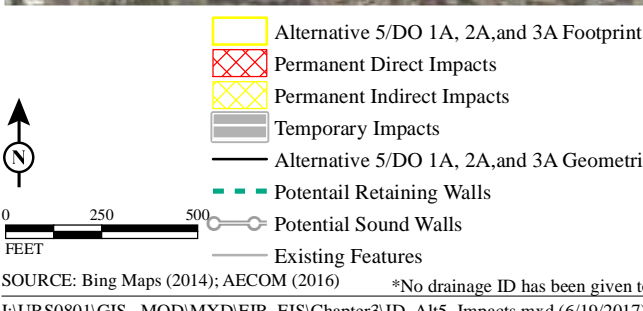
- Non-jurisdictional Non Wetland Waters
- Non-jurisdictional Wetland Waters
- Sample Point (2012)
- Coastal Zone



SOURCE: Bing Maps (2014); AECOM (2016)

\*No drainage ID has been given to the jurisdictional waters within the Los Angeles River that coincide with the Biological Study Area





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**I-710 Corridor Project**  
**RDEIR/SDEIS**  
 Impacts to Jurisdictional  
 Waters Alternative 5C and  
 Design Options  
 07-LA-710- PM 5.4/24.5  
 EA 249900; EFIS 0700000443

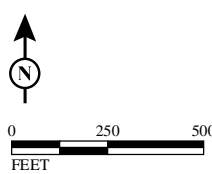
SOURCE: Bing Maps (2014); AECOM (2016) \*No drainage ID has been given to the jurisdictional waters within the Los Angeles River that coincide with the Biological Study Area  
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- Alternative 5/DO 1A, 2A, and 3A Footprint
- Permanent Direct Impacts
- Permanent Indirect Impacts
- Temporary Impacts
- Alternative 5/DO 1A, 2A, and 3A Geometries
- Potential Retaining Walls
- Potential Sound Walls
- Existing Features

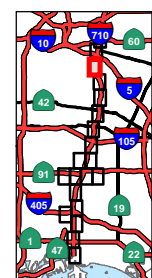
- Jurisdictional Features (includes L.A. River)\*
- USACE Section 404 Jurisdictional Non Wetland Waters
- USACE Section 404 Jurisdictional Wetland Waters
- USACE Section 10 Jurisdictional Waters
- Continuation of Drainage Through Non-Jurisdictional Area or Outside BSA
- CDFW
- Other Drainage Features Within Developed Areas (non-jurisdictional)

- Non-jurisdictional Non Wetland Waters
- Non-jurisdictional Wetland Waters
- Sample Point (2012)
- Coastal Zone

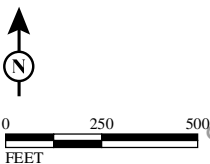
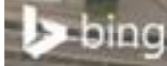
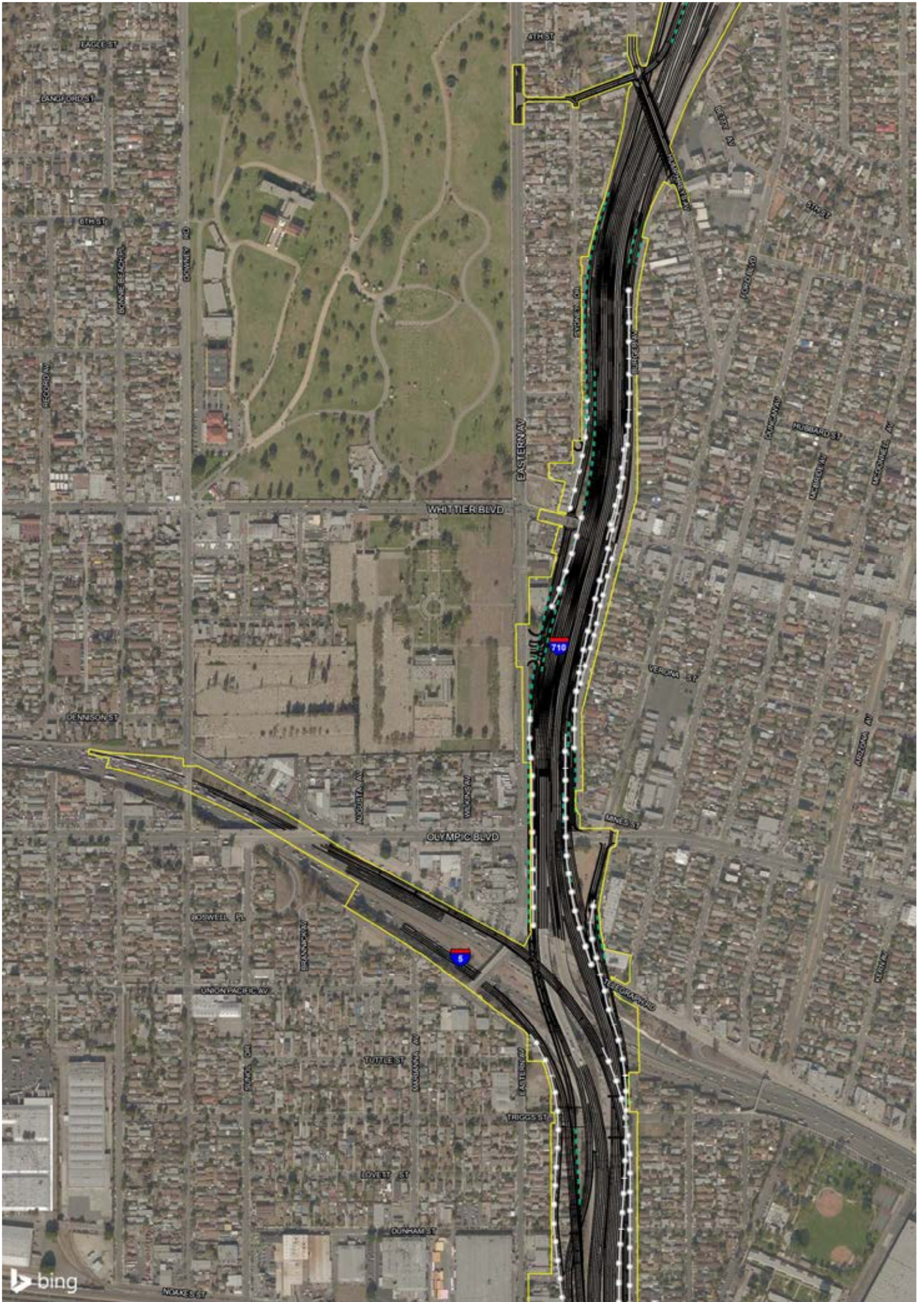


SOURCE: Bing Maps (2014); AECOM (2016)

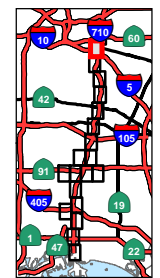
\*No drainage ID has been given to the jurisdictional waters within the Los Angeles River that coincide with the Biological Study Area



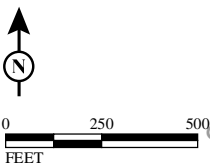
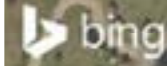
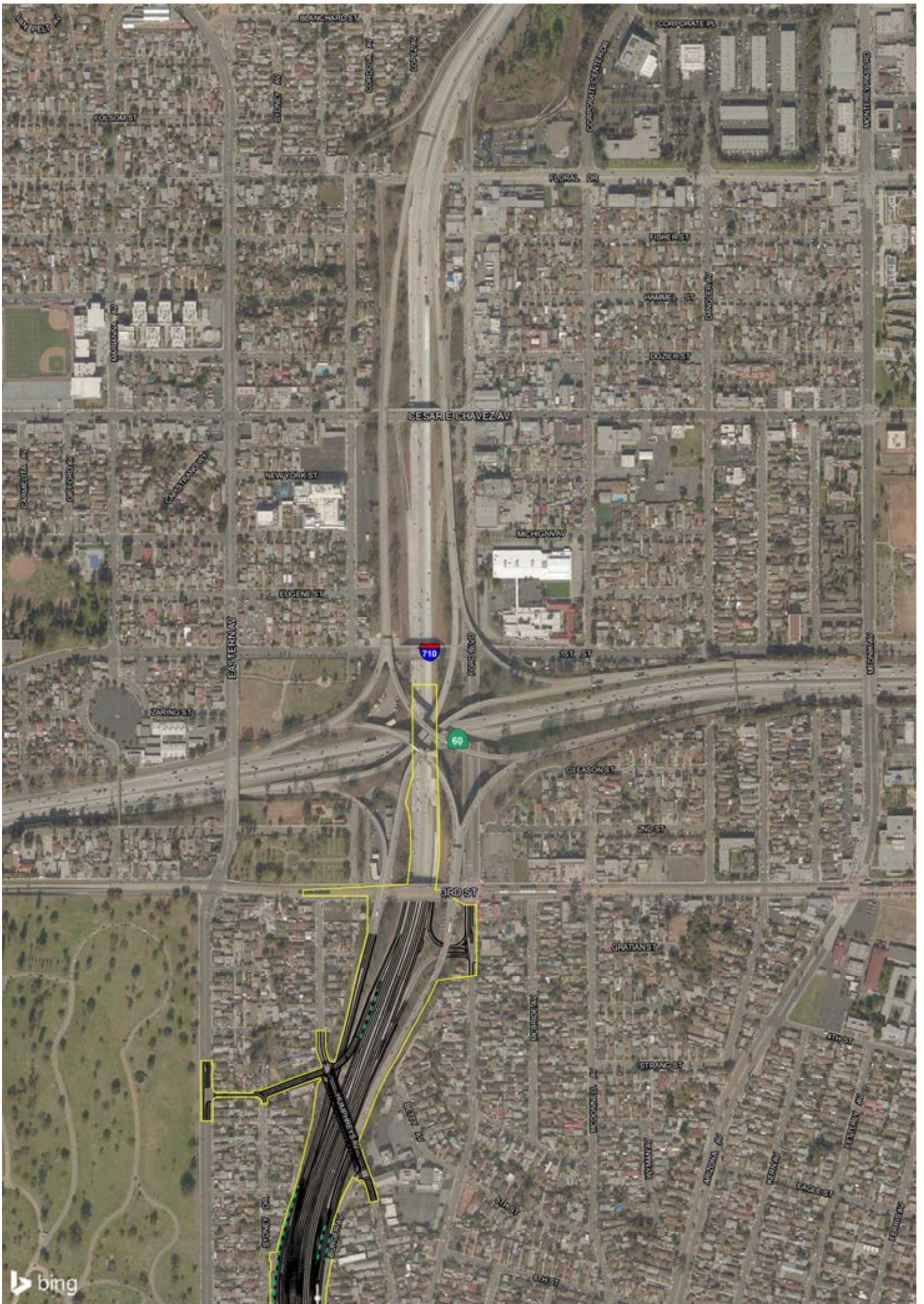
Appendix R  
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**I-710 Corridor Project**  
**RDEIR/SDEIS**  
**Impacts to Jurisdictional**  
**Waters Alternative 5C and**  
**Design Options**  
 07-LA-710- PM 5.4/24.5  
 EA 249900; EFIS 0700000443



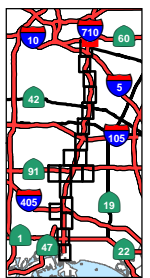
- |  |  |                                       |
|--|--|---------------------------------------|
| Alternative 5/DO 1A, 2A, and 3A Footprint  | Jurisdictional Features (includes L.A. River)*   | Non-jurisdictional Non Wetland Waters |
| Permanent Direct Impacts                   | USACE Section 404 Jurisdictional Non Wetland Waters  | Non-jurisdictional Wetland Waters     |
| Permanent Indirect Impacts                 | USACE Section 404 Jurisdictional Wetland Waters  | Sample Point (2012)                   |
| Temporary Impacts                          | USACE Section 10 Jurisdictional Waters   | Coastal Zone                          |
| Alternative 5/DO 1A, 2A, and 3A Geometrics | Continuation of Drainage Through Non-Jurisdictional Area or Outside BSA  |                                       |
| Potential Retaining Walls                  | CDFW   |                                       |
| Potential Sound Walls                      | Other Drainage Features Within Developed Areas (non-jurisdictional)  |                                       |
| Existing Features                          | Other Drainage Features Within the jurisdictional waters within the Los Angeles River that coincide with the Biological Study Area |                                       |



Appendix R  
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**I-710 Corridor Project**  
**RDEIR/SDEIS**  
**Impacts to Jurisdictional**  
**Waters Alternative 5C and**  
**Design Options**  
 07-LA-710- PM 5.4/24.5  
 EA 249900; EFIS 0700000443

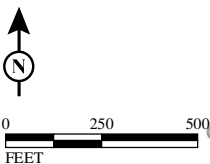
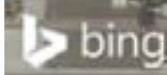
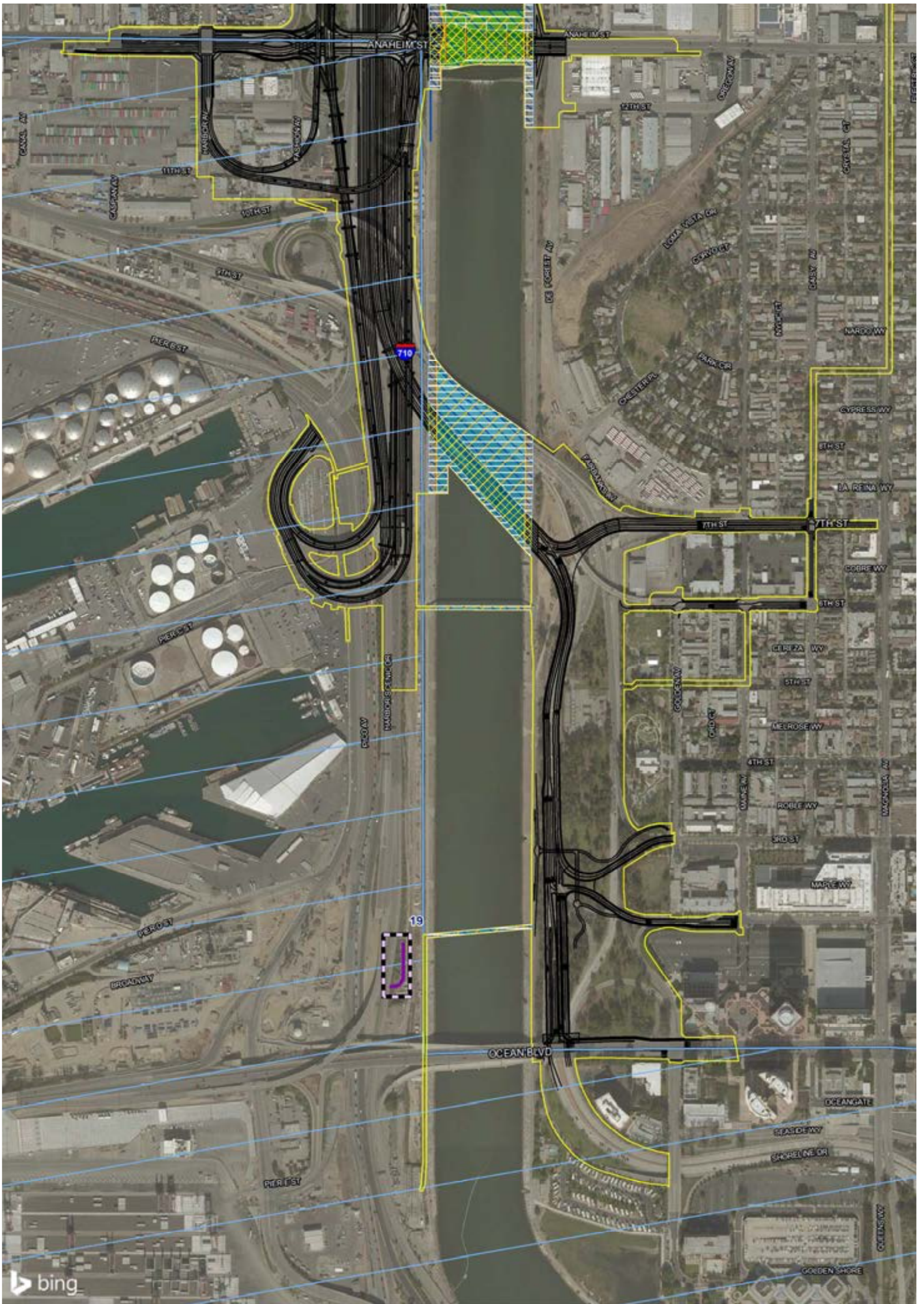


- Alternative 5/DO 1A, 2A, and 3A Footprint
- Permanent Direct Impacts
- Permanent Indirect Impacts
- Temporary Impacts
- Alternative 5/DO 1A, 2A, and 3A Geometrics
- Potential Retaining Walls
- Potential Sound Walls
- Existing Features
- Jurisdictional Features (includes L.A. River)\*
- USACE Section 404 Jurisdictional Non Wetland Waters
- USACE Section 404 Jurisdictional Wetland Waters
- USACE Section 10 Jurisdictional Waters
- Continuation of Drainage Through Non-Jurisdictional Area or Outside BSA
- CDFW
- Other Drainage Features Within Developed Areas (non-jurisdictional)
- Non-jurisdictional Non Wetland Waters
- Non-jurisdictional Wetland Waters
- Sample Point (2012)
- Coastal Zone

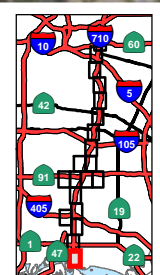


Appendix R  
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**I-710 Corridor Project**  
**RDEIR/SDEIS**  
**Impacts to Jurisdictional**  
**Waters Alternative 5C and**  
**Design Options**  
 07-LA-710- PM 5.4/24.5  
 EA 249900; EFIS 0700000443

SOURCE: Bing Maps (2014); AECOM (2016) \*No drainage ID has been given to the jurisdictional waters within the Los Angeles River that coincide with the Biological Study Area  
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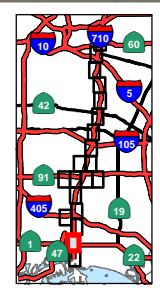
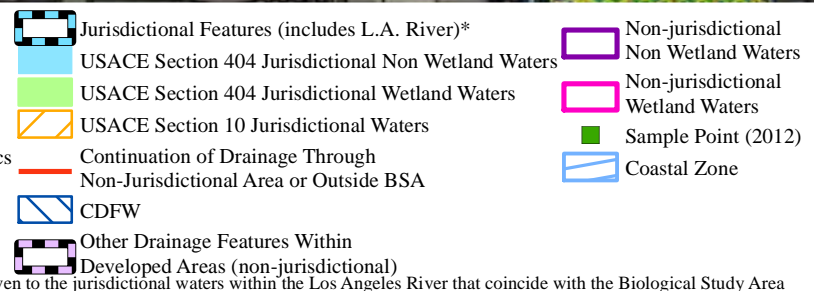
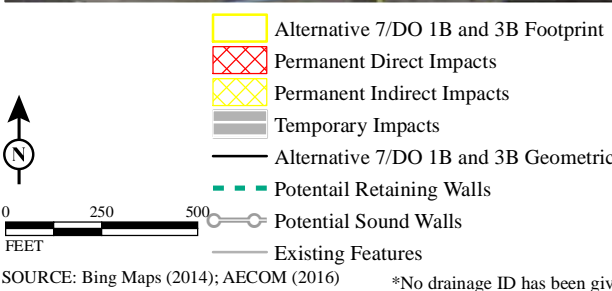
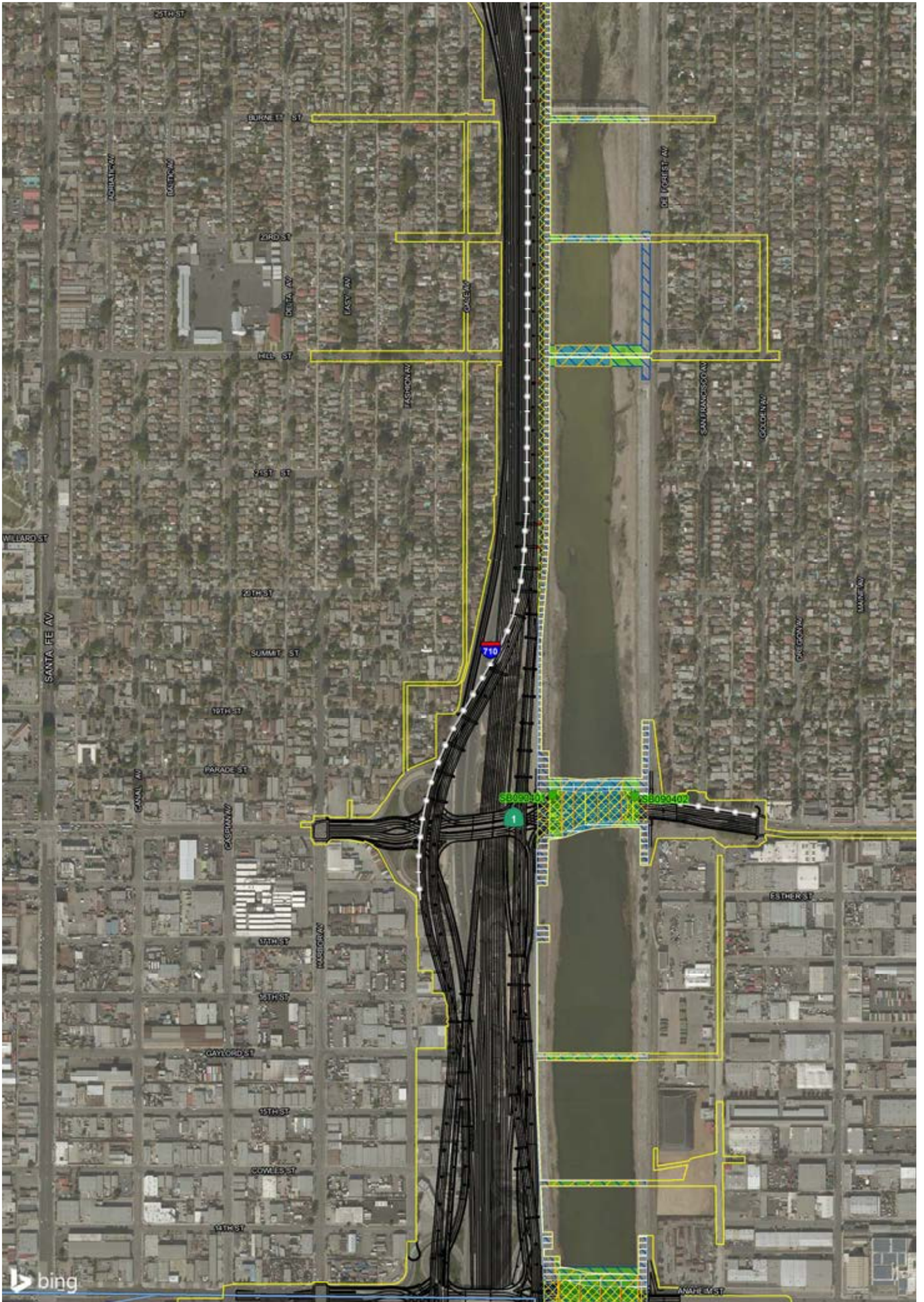


- |                                       |   |                                       |
|---------------------------------------|---|---------------------------------------|
| Alternative 7/DO 1B and 3B Footprint  | Jurisdictional Features (includes L.A. River)*                          | Non-jurisdictional Non Wetland Waters |
| Permanent Direct Impacts              | USACE Section 404 Jurisdictional Non Wetland Waters                     | Non-jurisdictional Wetland Waters     |
| Permanent Indirect Impacts            | USACE Section 404 Jurisdictional Wetland Waters                         | Sample Point (2012)                   |
| Temporary Impacts                     | USACE Section 10 Jurisdictional Waters                                  | Coastal Zone                          |
| Alternative 7/DO 1B and 3B Geometrics | Continuation of Drainage Through Non-Jurisdictional Area or Outside BSA |                                       |
| Potential Retaining Walls             | CDFW  |                                       |
| Potential Sound Walls                 | Other Drainage Features Within Developed Areas (non-jurisdictional)     |                                       |
| Existing Features                     |   |                                       |



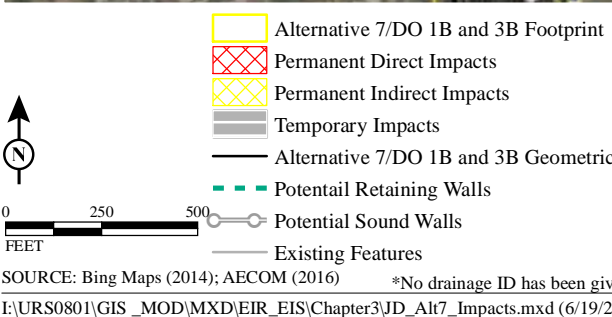
Appendix R  
 Sheet 1 of 20  
**I-710 Corridor Project**  
**RDEIR/SDEIS**  
 Impacts to Jurisdictional Waters Alternative 7 and Design Options  
 07-LA-710- PM 5.4/24.5  
 EA 249900; EFIS 0700000443

SOURCE: Bing Maps (2014); AECOM (2016) \*No drainage ID has been given to the jurisdictional waters within the Los Angeles River that coincide with the Biological Study Area  
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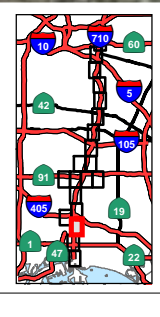


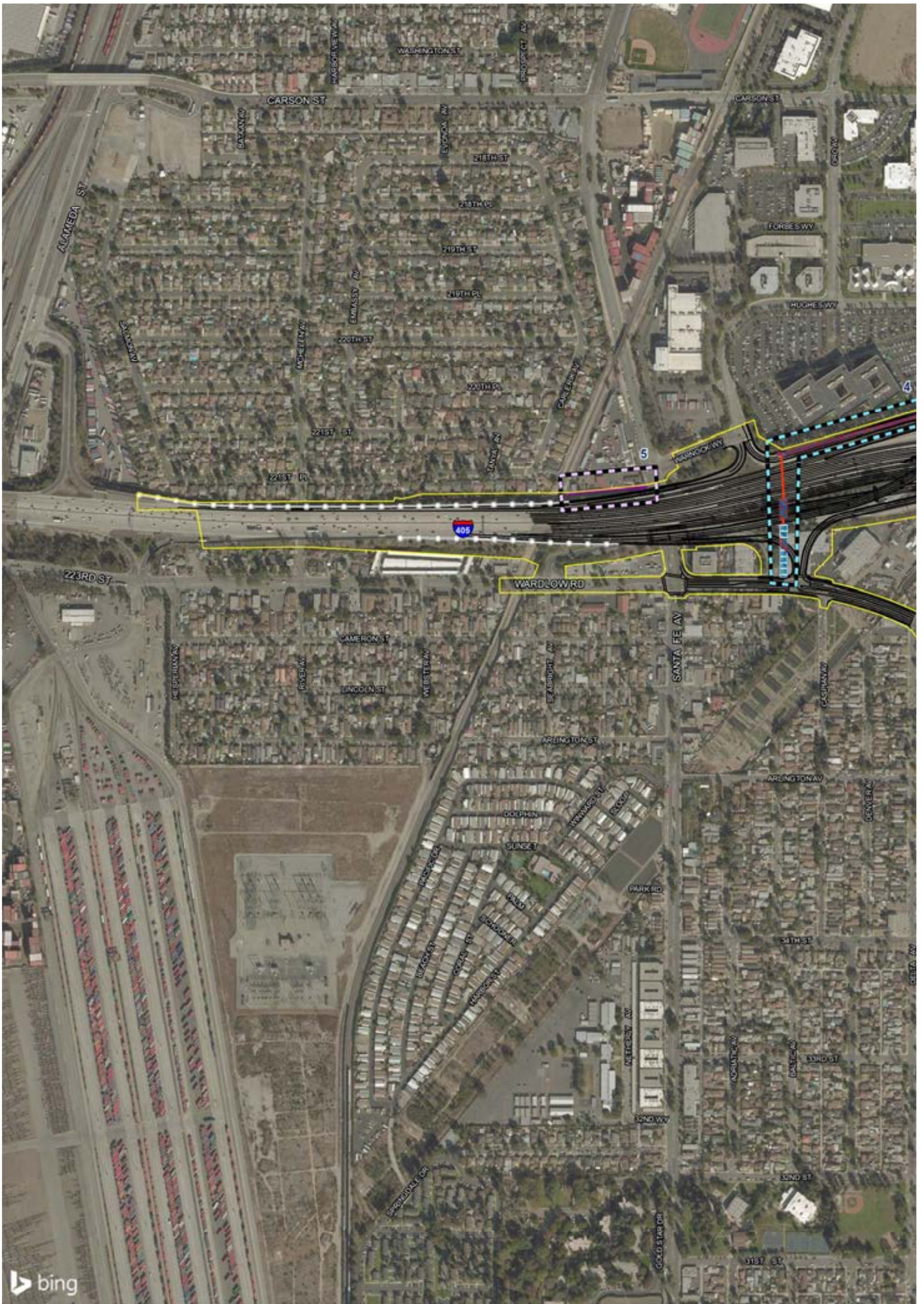
Appendix R  
 Sheet 2 of 20  
**I-710 Corridor Project**  
**RDEIR/SDEIS**  
 Impacts to Jurisdictional  
 Waters Alternative 7 and  
 Design Options  
 07-LA-710- PM 5.4/24.5  
 EA 249900; EFIS 0700000443

SOURCE: Bing Maps (2014); AECOM (2016) \*No drainage ID has been given to the jurisdictional waters within the Los Angeles River that coincide with the Biological Study Area  
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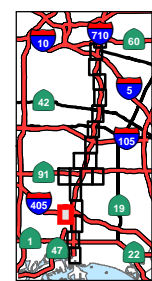


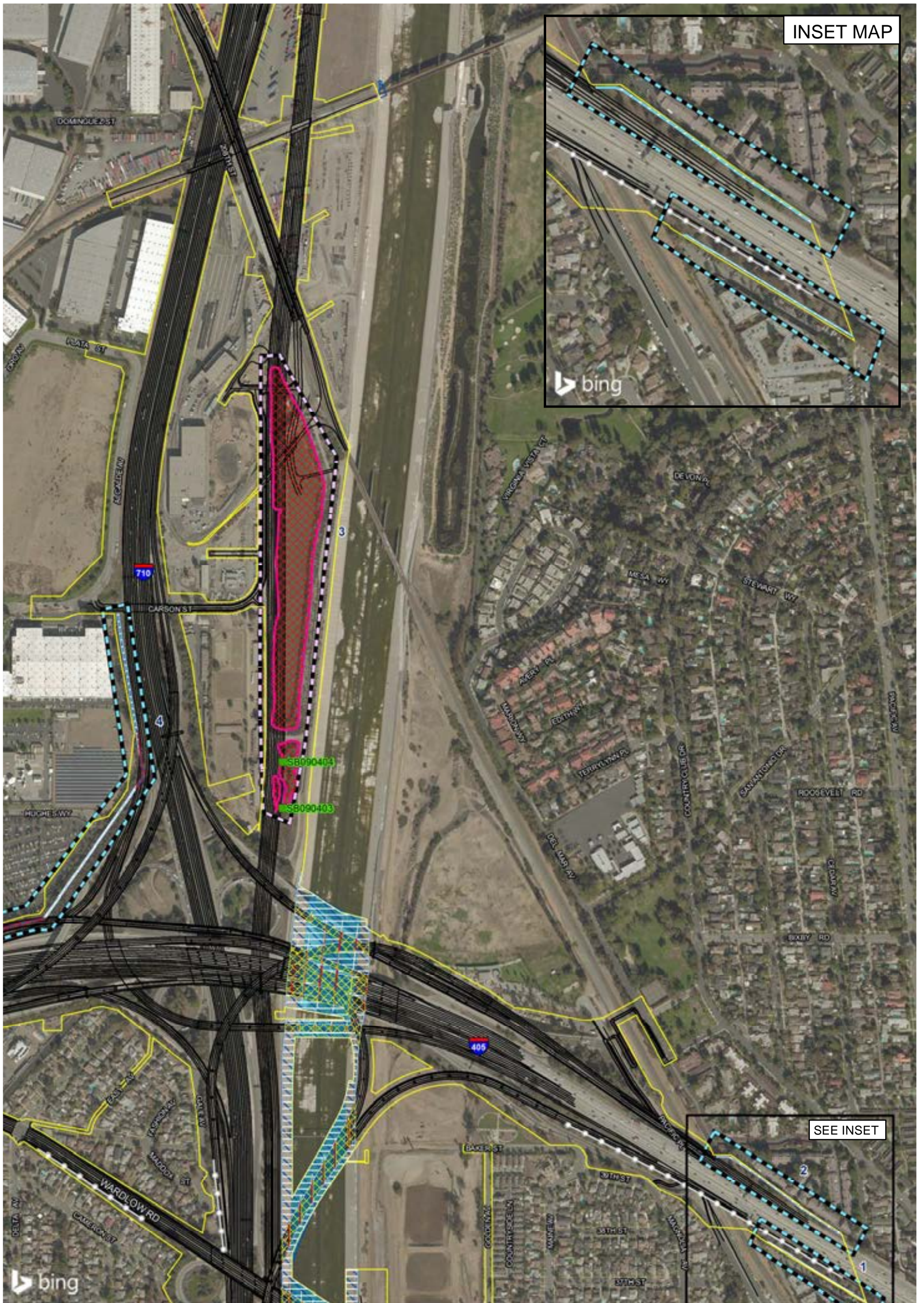
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|---------------------------------------|---|---------------------------------------|
| Alternative 7/DO 1B and 3B Footprint  | Jurisdictional Features (includes L.A. River)*                          | Non-jurisdictional Non Wetland Waters |
| Permanent Direct Impacts              | USACE Section 404 Jurisdictional Non Wetland Waters                     | Non-jurisdictional Wetland Waters     |
| Permanent Indirect Impacts            | USACE Section 404 Jurisdictional Wetland Waters                         | Sample Point (2012)                   |
| Temporary Impacts                     | USACE Section 10 Jurisdictional Waters                                  | Coastal Zone                          |
| Alternative 7/DO 1B and 3B Geometrics | Continuation of Drainage Through Non-Jurisdictional Area or Outside BSA |                                       |
| Potential Retaining Walls             | CDFW  |                                       |
| Potential Sound Walls                 | Other Drainage Features Within Developed Areas (non-jurisdictional)     |                                       |
| Existing Features                     |   |                                       |

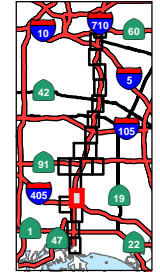




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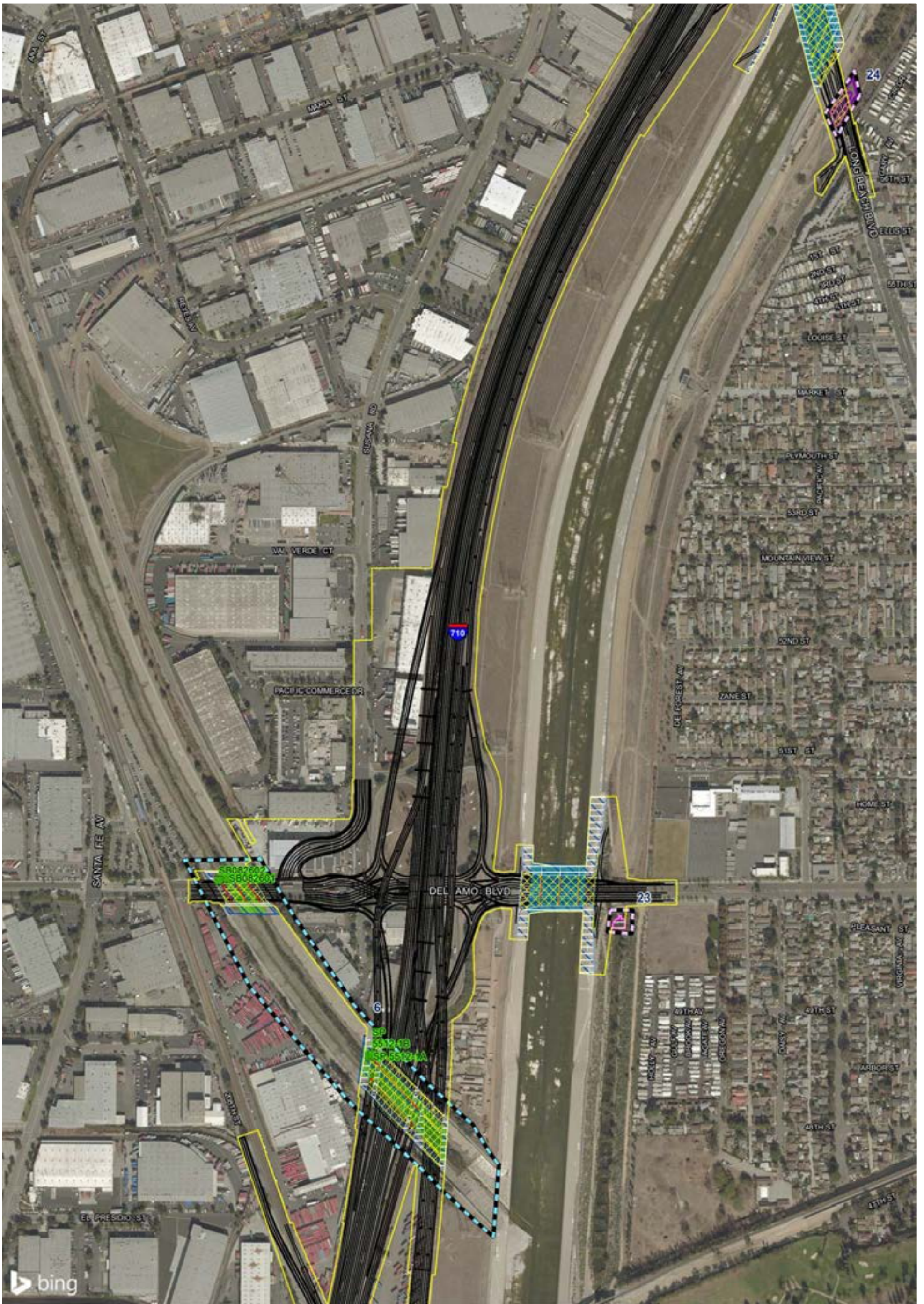
SEE INSET

- |                                       |   |                                       |
|---------------------------------------|---|---------------------------------------|
| Alternative 7/DO 1B and 3B Footprint  | Jurisdictional Features (includes L.A. River)*                          | Non-jurisdictional Non Wetland Waters |
| Permanent Direct Impacts              | USACE Section 404 Jurisdictional Non Wetland Waters                     | Non-jurisdictional Wetland Waters     |
| Permanent Indirect Impacts            | USACE Section 404 Jurisdictional Wetland Waters                         | Sample Point (2012)                   |
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| Potential Retaining Walls             | CDFW  |                                       |
| Potential Sound Walls                 | Other Drainage Features Within Developed Areas (non-jurisdictional)     |                                       |
| Existing Features                     |   |                                       |

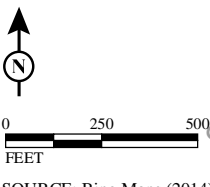


Appendix R  
 Sheet 5 of 20  
**I-710 Corridor Project**  
**RDEIR/SDEIS**  
 Impacts to Jurisdictional Waters Alternative 7 and Design Options  
 07-LA-710- PM 5.4/24.5  
 EA 249900; EFIS 0700000443

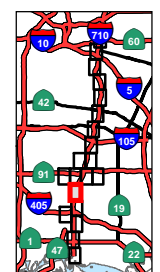
SOURCE: Bing Maps (2014); AECOM (2016) \*No drainage ID has been given to the jurisdictional waters within the Los Angeles River that coincide with the Biological Study Area  
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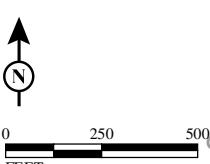
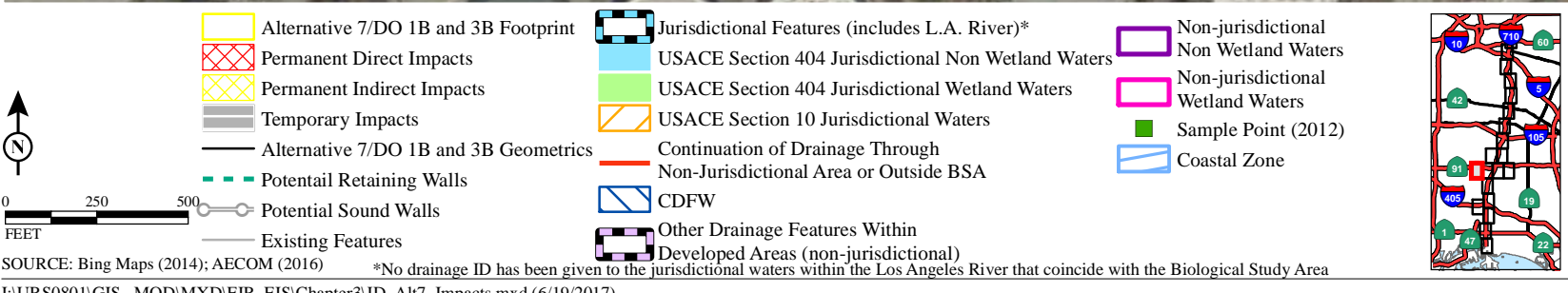


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|---------------------------------------|---|---------------------------------------|
| Alternative 7/DO 1B and 3B Footprint  | Jurisdictional Features (includes L.A. River)*                          | Non-jurisdictional Non Wetland Waters |
| Permanent Direct Impacts              | USACE Section 404 Jurisdictional Non Wetland Waters                     | Non-jurisdictional Wetland Waters     |
| Permanent Indirect Impacts            | USACE Section 404 Jurisdictional Wetland Waters                         | Sample Point (2012)                   |
| Temporary Impacts                     | USACE Section 10 Jurisdictional Waters                                  | Coastal Zone                          |
| Alternative 7/DO 1B and 3B Geometrics | Continuation of Drainage Through Non-Jurisdictional Area or Outside BSA |                                       |
| Potential Retaining Walls             | CDFW  |                                       |
| Potential Sound Walls                 | Other Drainage Features Within Developed Areas (non-jurisdictional)     |                                       |
| Existing Features                     |   |                                       |



SOURCE: Bing Maps (2014); AECOM (2016) \*No drainage ID has been given to the jurisdictional waters within the Los Angeles River that coincide with the Biological Study Area





SOURCE: Bing Maps (2014); AECOM (2016) \*No drainage ID has been given to the jurisdictional waters within the Los Angeles River that coincide with the Biological Study Area

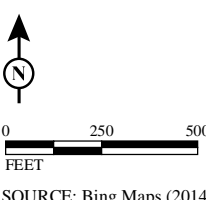


 	<ul style="list-style-type: none"> <li> Alternative 7/DO 1B and 3B Footprint</li> <li> Permanent Direct Impacts</li> <li> Permanent Indirect Impacts</li> <li> Temporary Impacts</li> <li> Alternative 7/DO 1B and 3B Geometrics</li> <li> Potential Retaining Walls</li> <li> Potential Sound Walls</li> <li> Existing Features</li> </ul>	<ul style="list-style-type: none"> <li> Jurisdictional Features (includes L.A. River)*</li> <li> USACE Section 404 Jurisdictional Non Wetland Waters</li> <li> USACE Section 404 Jurisdictional Wetland Waters</li> <li> USACE Section 10 Jurisdictional Waters</li> <li> Continuation of Drainage Through Non-Jurisdictional Area or Outside BSA</li> <li> CDFW</li> <li> Other Drainage Features Within Developed Areas (non-jurisdictional)</li> </ul>	<ul style="list-style-type: none"> <li> Non-jurisdictional Non Wetland Waters</li> <li> Non-jurisdictional Wetland Waters</li> <li> Sample Point (2012)</li> <li> Coastal Zone</li> </ul>		<p>Appendix R  Sheet 8 of 20  <b>I-710 Corridor Project</b>  <b>RDEIR/SDEIS</b>  <b>Impacts to Jurisdictional Waters Alternative 7 and Design Options</b>  07-LA-710- PM 5.4/24.5  EA 249900; EFIS 070000443</p>
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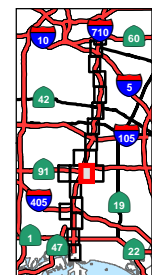
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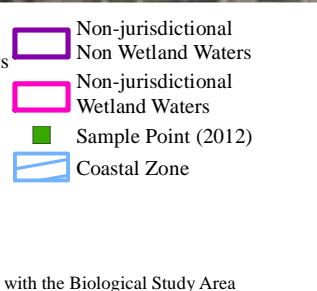
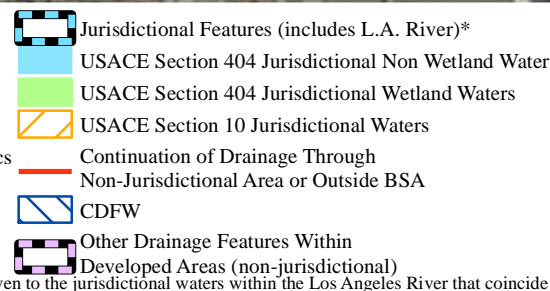
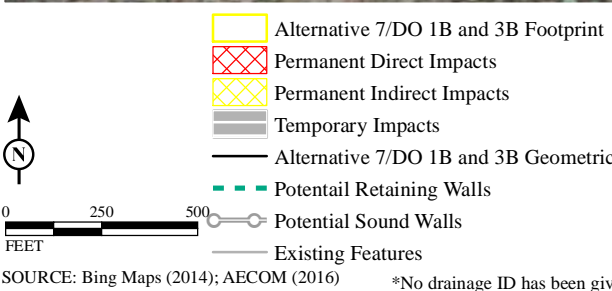
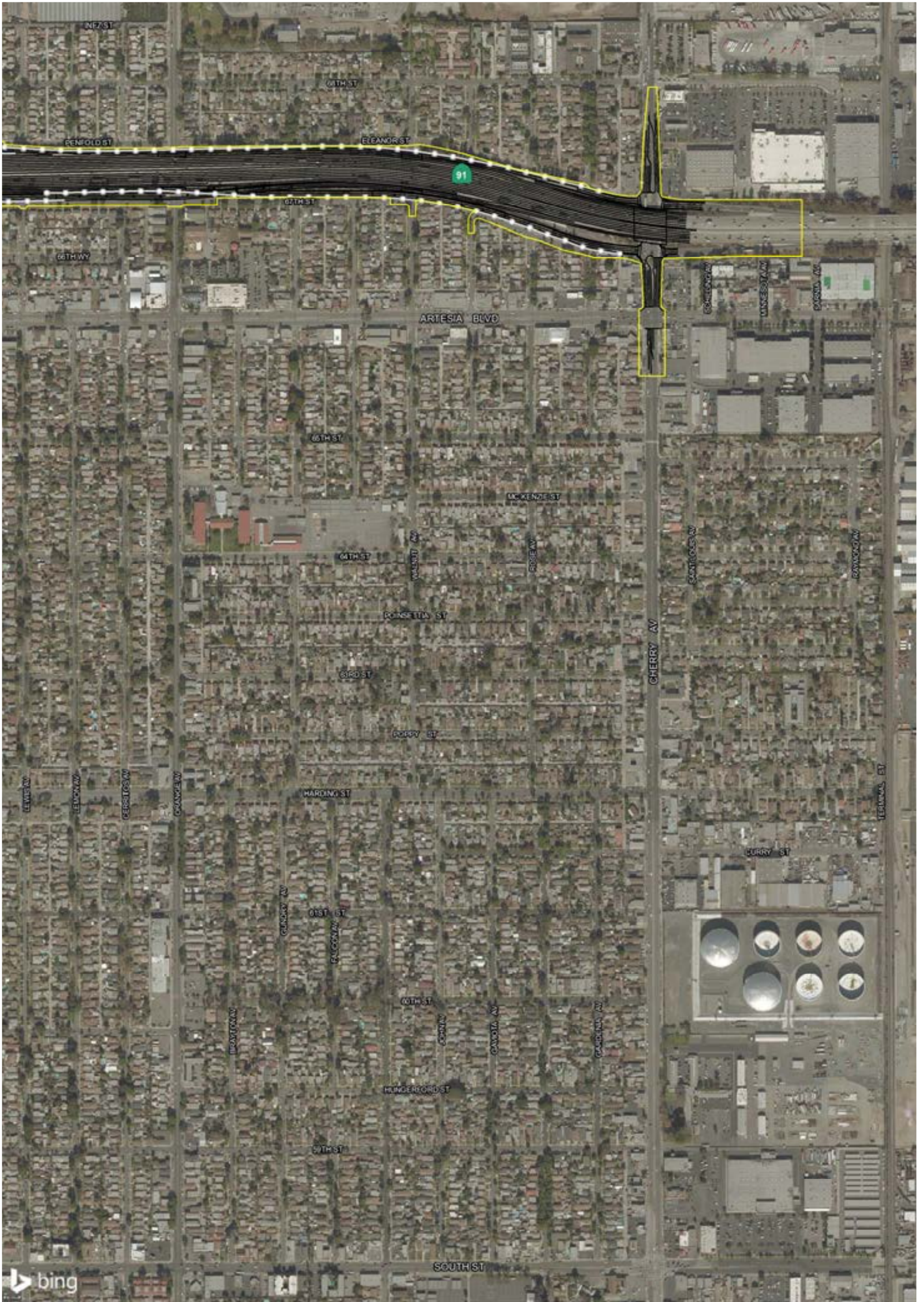


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|---------------------------------------|---|---------------------------------------|
| Alternative 7/DO 1B and 3B Footprint  | Jurisdictional Features (includes L.A. River)*                          | Non-jurisdictional Non Wetland Waters |
| Permanent Direct Impacts              | USACE Section 404 Jurisdictional Non Wetland Waters                     | Non-jurisdictional Wetland Waters     |
| Permanent Indirect Impacts            | USACE Section 404 Jurisdictional Wetland Waters                         | Sample Point (2012)                   |
| Temporary Impacts                     | USACE Section 10 Jurisdictional Waters                                  | Coastal Zone                          |
| Alternative 7/DO 1B and 3B Geometrics | Continuation of Drainage Through Non-Jurisdictional Area or Outside BSA |                                       |
| Potential Retaining Walls             | CDFW  |                                       |
| Potential Sound Walls                 | Other Drainage Features Within Developed Areas (non-jurisdictional)     |                                       |
| Existing Features                     |   |                                       |

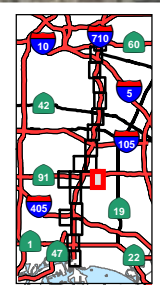


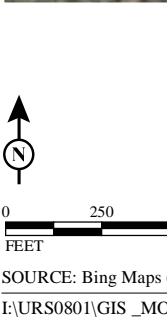
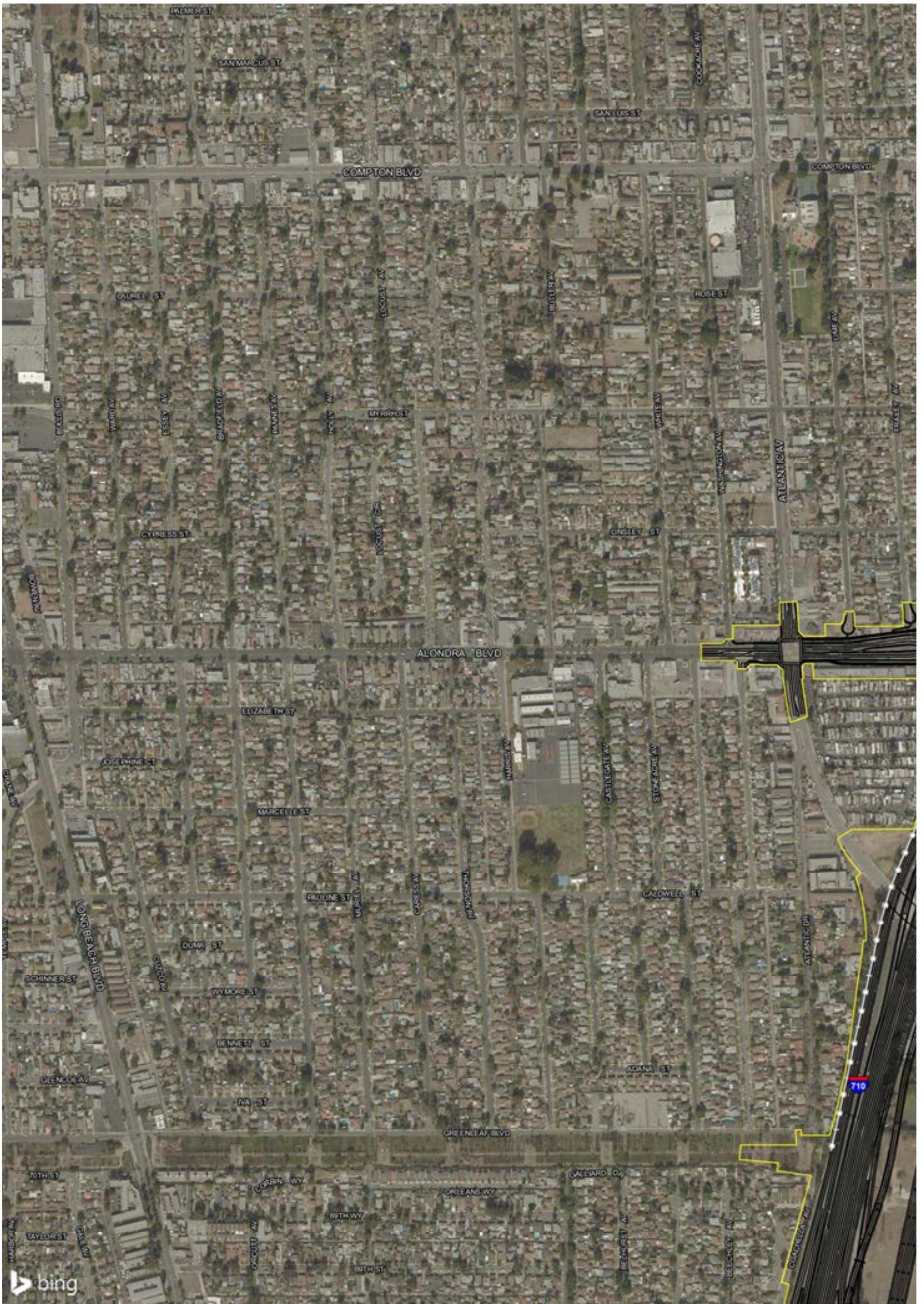
SOURCE: Bing Maps (2014); AECOM (2016) \*No drainage ID has been given to the jurisdictional waters within the Los Angeles River that coincide with the Biological Study Area  
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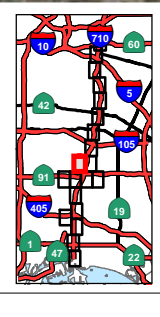


SOURCE: Bing Maps (2014); AECOM (2016) \*No drainage ID has been given to the jurisdictional waters within the Los Angeles River that coincide with the Biological Study Area

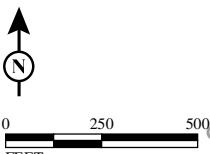
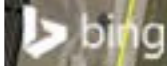




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| Alternative 7/DO 1B and 3B Footprint  | Jurisdictional Features (includes L.A. River)*   | Non-jurisdictional Non Wetland Waters |
| Permanent Direct Impacts              | USACE Section 404 Jurisdictional Non Wetland Waters  | Non-jurisdictional Wetland Waters     |
| Permanent Indirect Impacts            | USACE Section 404 Jurisdictional Wetland Waters  | Sample Point (2012)                   |
| Temporary Impacts                     | USACE Section 10 Jurisdictional Waters   | Coastal Zone                          |
| Alternative 7/DO 1B and 3B Geometrics | Continuation of Drainage Through Non-Jurisdictional Area or Outside BSA  |                                       |
| Potential Retaining Walls             | CDFW   |                                       |
| Potential Sound Walls                 | Other Drainage Features Within Developed Areas (non-jurisdictional)  |                                       |
| Existing Features                     | Other Drainage Features Within Jurisdictional Waters within the Los Angeles River that coincide with the Biological Study Area |                                       |



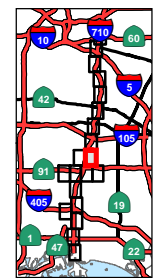
SOURCE: Bing Maps (2014); AECOM (2016) \*No drainage ID has been given to the jurisdictional waters within the Los Angeles River that coincide with the Biological Study Area  
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- Alternative 7/DO 1B and 3B Footprint
- Permanent Direct Impacts
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- Jurisdictional Features (includes L.A. River)\*
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- CDFW
- Other Drainage Features Within Developed Areas (non-jurisdictional)

- Non-jurisdictional Non Wetland Waters
- Non-jurisdictional Wetland Waters
- Sample Point (2012)
- Coastal Zone



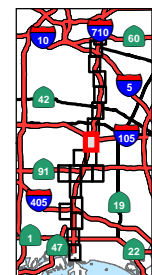
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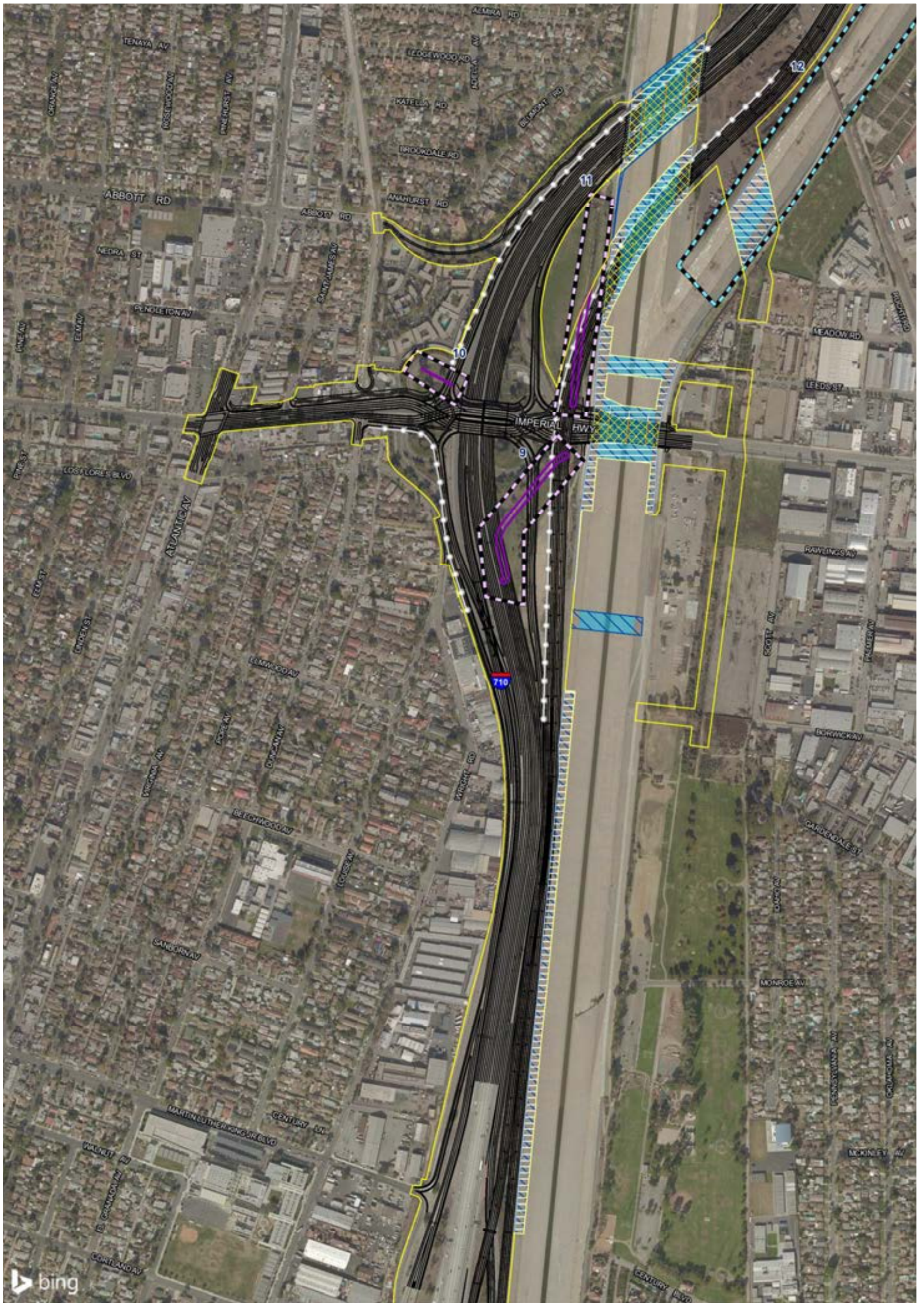
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| Alternative 7/DO 1B and 3B Footprint  | Jurisdictional Features (includes L.A. River)*                          | Non-jurisdictional Non Wetland Waters |
| Permanent Direct Impacts              | USACE Section 404 Jurisdictional Non Wetland Waters                     | Non-jurisdictional Wetland Waters     |
| Permanent Indirect Impacts            | USACE Section 404 Jurisdictional Wetland Waters                         | Sample Point (2012)                   |
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| Alternative 7/DO 1B and 3B Geometrics | Continuation of Drainage Through Non-Jurisdictional Area or Outside BSA |                                       |
| Potential Retaining Walls             | CDFW  |                                       |
| Potential Sound Walls                 | Other Drainage Features Within Developed Areas (non-jurisdictional)     |                                       |
| Existing Features                     |   |                                       |



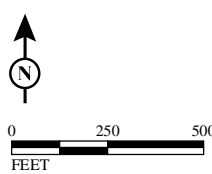
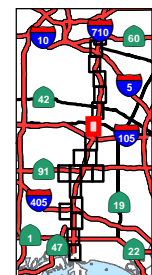
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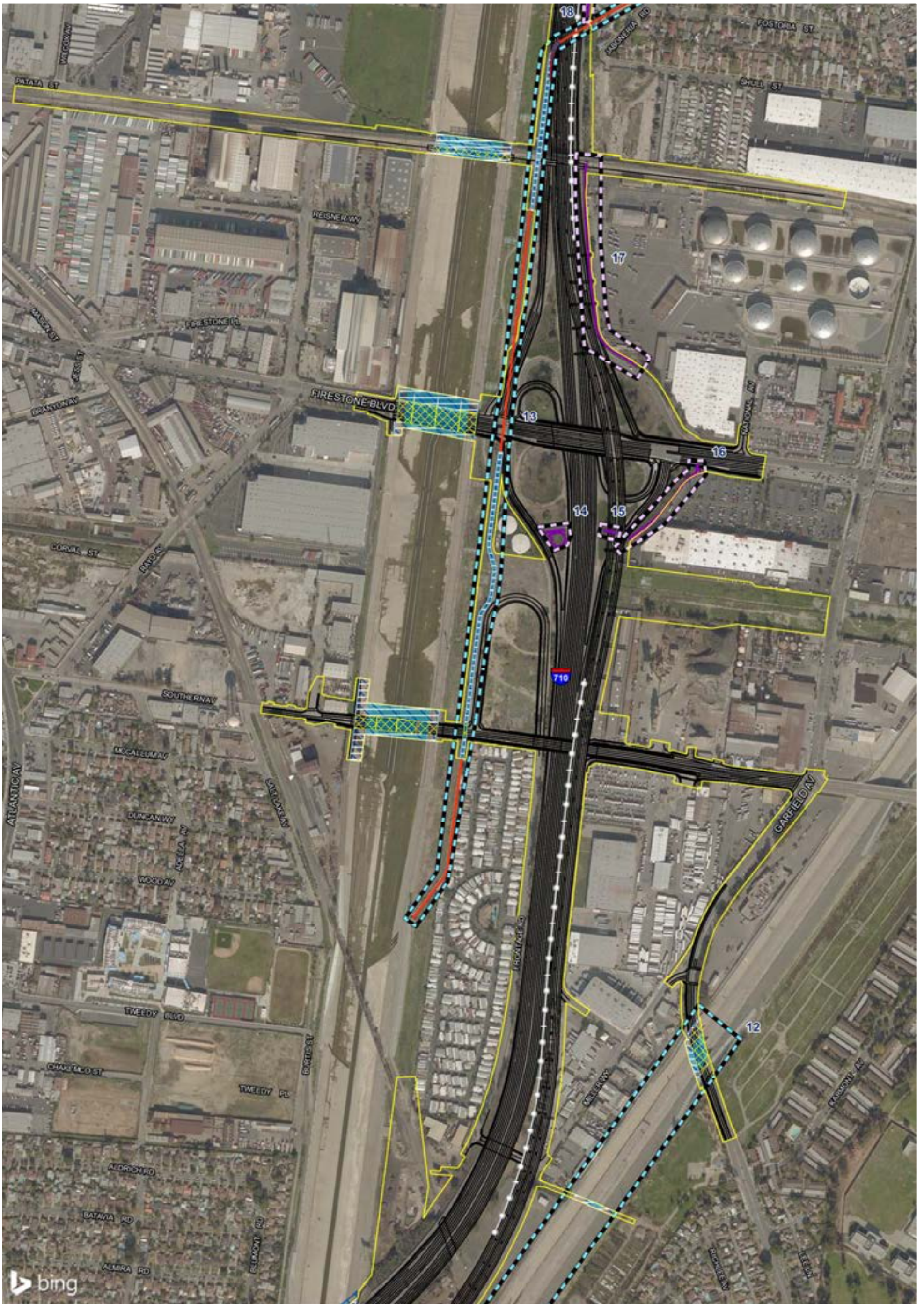
Appendix R  
 Sheet 13 of 20  
**I-710 Corridor Project**  
**RDEIR/SDEIS**  
 Impacts to Jurisdictional Waters Alternative 7 and Design Options  
 07-LA-710- PM 5.4/24.5  
 EA 249900; EFIS 0700000443



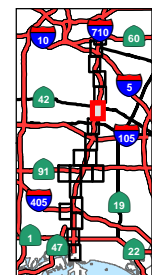
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|---------------------------------------|---|---------------------------------------|
| Alternative 7/DO 1B and 3B Footprint  | Jurisdictional Features (includes L.A. River)*                          | Non-jurisdictional Non Wetland Waters |
| Permanent Direct Impacts              | USACE Section 404 Jurisdictional Non Wetland Waters                     | Non-jurisdictional Wetland Waters     |
| Permanent Indirect Impacts            | USACE Section 404 Jurisdictional Wetland Waters                         | Sample Point (2012)                   |
| Temporary Impacts                     | USACE Section 10 Jurisdictional Waters                                  | Coastal Zone                          |
| Alternative 7/DO 1B and 3B Geometrics | Continuation of Drainage Through Non-Jurisdictional Area or Outside BSA |                                       |
| Potential Retaining Walls             | CDFW  |                                       |
| Potential Sound Walls                 | Other Drainage Features Within Developed Areas (non-jurisdictional)     |                                       |
| Existing Features                     |   |                                       |

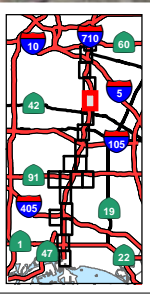
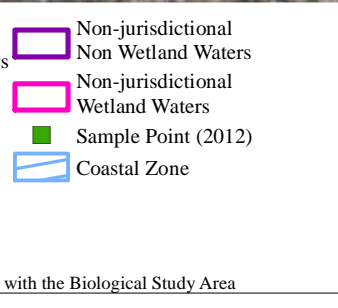
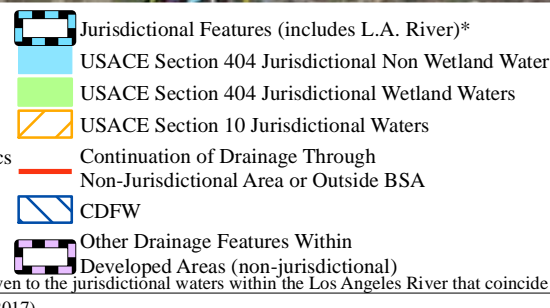
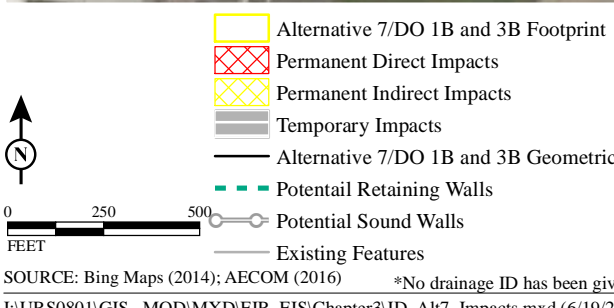


SOURCE: Bing Maps (2014); AECOM (2016) \*No drainage ID has been given to the jurisdictional waters within the Los Angeles River that coincide with the Biological Study Area



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|---------------------------------------|---|---------------------------------------|
| Alternative 7/DO 1B and 3B Footprint  | Jurisdictional Features (includes L.A. River)*                          | Non-jurisdictional Non Wetland Waters |
| Permanent Direct Impacts              | USACE Section 404 Jurisdictional Non Wetland Waters                     | Non-jurisdictional Wetland Waters     |
| Permanent Indirect Impacts            | USACE Section 404 Jurisdictional Wetland Waters                         | Sample Point (2012)                   |
| Temporary Impacts                     | USACE Section 10 Jurisdictional Waters                                  | Coastal Zone                          |
| Alternative 7/DO 1B and 3B Geometrics | Continuation of Drainage Through Non-Jurisdictional Area or Outside BSA |                                       |
| Potential Retaining Walls             | CDFW  |                                       |
| Potential Sound Walls                 | Other Drainage Features Within Developed Areas (non-jurisdictional)     |                                       |
| Existing Features                     | Other Drainage Features Within Developed Areas (non-jurisdictional)     |                                       |





SOURCE: Bing Maps (2014); AECOM (2016) \*No drainage ID has been given to the jurisdictional waters within the Los Angeles River that coincide with the Biological Study Area  
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	<ul style="list-style-type: none"> <li> Alternative 7/DO 1B and 3B Footprint</li> <li> Permanent Direct Impacts</li> <li> Permanent Indirect Impacts</li> <li> Temporary Impacts</li> <li> Alternative 7/DO 1B and 3B Geometrics</li> <li> Potential Retaining Walls</li> <li> Potential Sound Walls</li> <li> Existing Features</li> </ul>	<ul style="list-style-type: none"> <li> Jurisdictional Features (includes L.A. River)*</li> <li> USACE Section 404 Jurisdictional Non Wetland Waters</li> <li> USACE Section 404 Jurisdictional Wetland Waters</li> <li> USACE Section 10 Jurisdictional Waters</li> <li> Continuation of Drainage Through Non-Jurisdictional Area or Outside BSA</li> <li> CDFW</li> <li> Other Drainage Features Within Developed Areas (non-jurisdictional)</li> </ul>	<ul style="list-style-type: none"> <li> Non-jurisdictional Non Wetland Waters</li> <li> Non-jurisdictional Wetland Waters</li> <li> Sample Point (2012)</li> <li> Coastal Zone</li> </ul>		<p style="text-align: right;">Appendix R Sheet 17 of 20 <i>I-710 Corridor Project</i> <i>RDEIR/SDEIS</i> Impacts to Jurisdictional Waters Alternative 7 and Design Options 07-LA-710- PM 5.4/24.5 EA 249900; EFIS 070000443</p>
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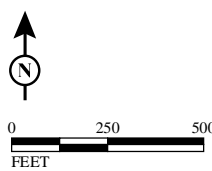
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- Alternative 7/DO 1B and 3B Footprint
- Permanent Direct Impacts
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- Alternative 7/DO 1B and 3B Geometrics
- Potential Retaining Walls
- Potential Sound Walls
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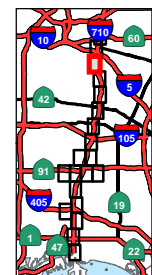
- Jurisdictional Features (includes L.A. River)\*
- USACE Section 404 Jurisdictional Non Wetland Waters
- USACE Section 404 Jurisdictional Wetland Waters
- USACE Section 10 Jurisdictional Waters
- Continuation of Drainage Through Non-Jurisdictional Area or Outside BSA
- CDFW
- Other Drainage Features Within Developed Areas (non-jurisdictional)

- Non-jurisdictional Non Wetland Waters
- Non-jurisdictional Wetland Waters
- Sample Point (2012)
- Coastal Zone

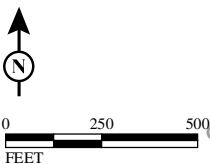
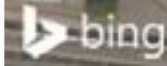
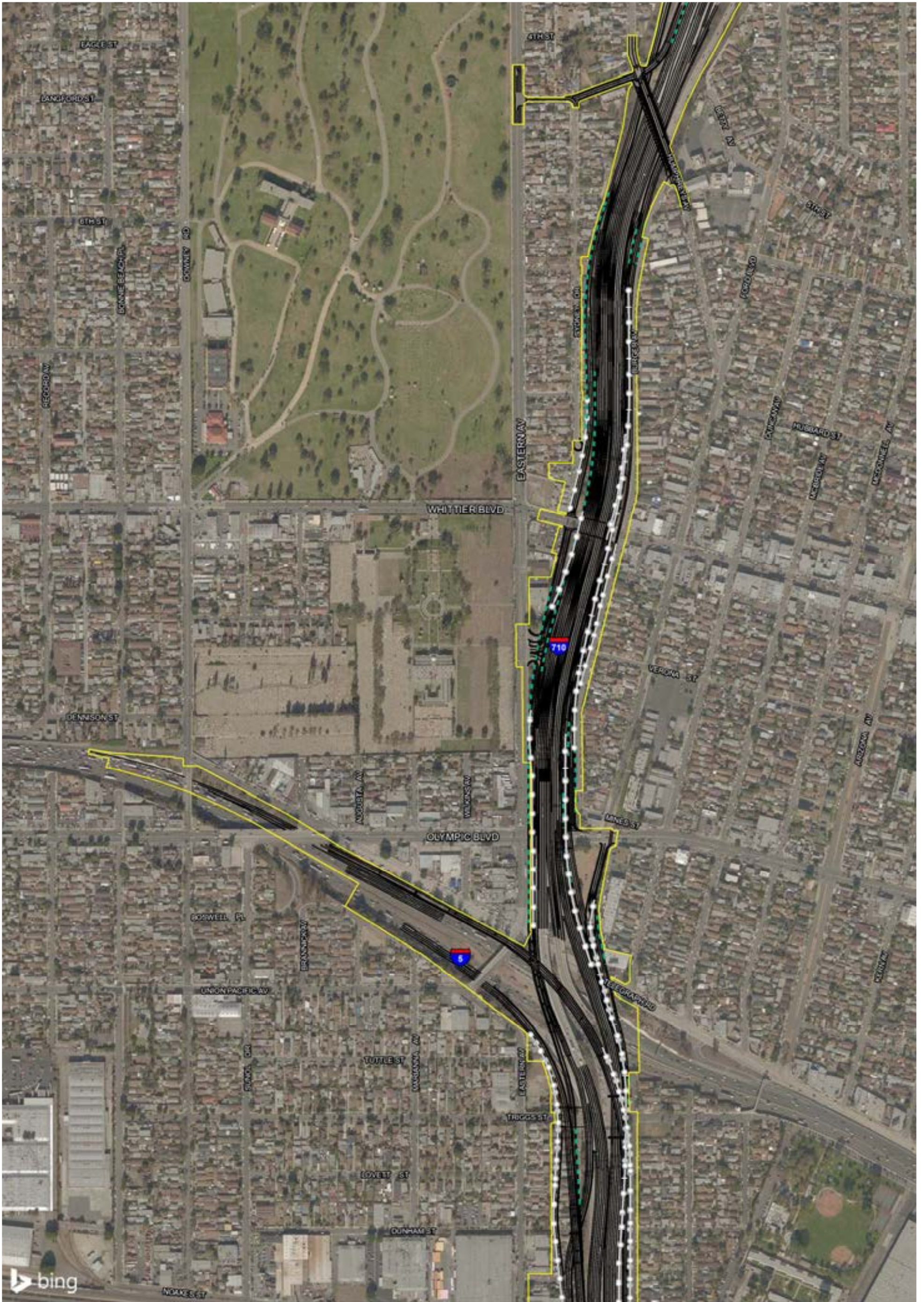


SOURCE: Bing Maps (2014); AECOM (2016)

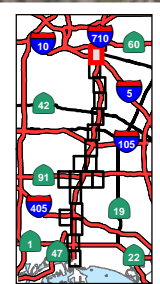
\*No drainage ID has been given to the jurisdictional waters within the Los Angeles River that coincide with the Biological Study Area



Appendix R  
 Sheet 18 of 20  
**I-710 Corridor Project**  
**RDEIR/SDEIS**  
 Impacts to Jurisdictional Waters Alternative 7 and Design Options  
 07-LA-710- PM 5.4/24.5  
 EA 249900; EFIS 0700000443

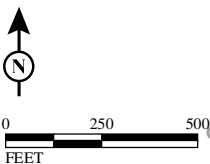
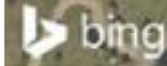
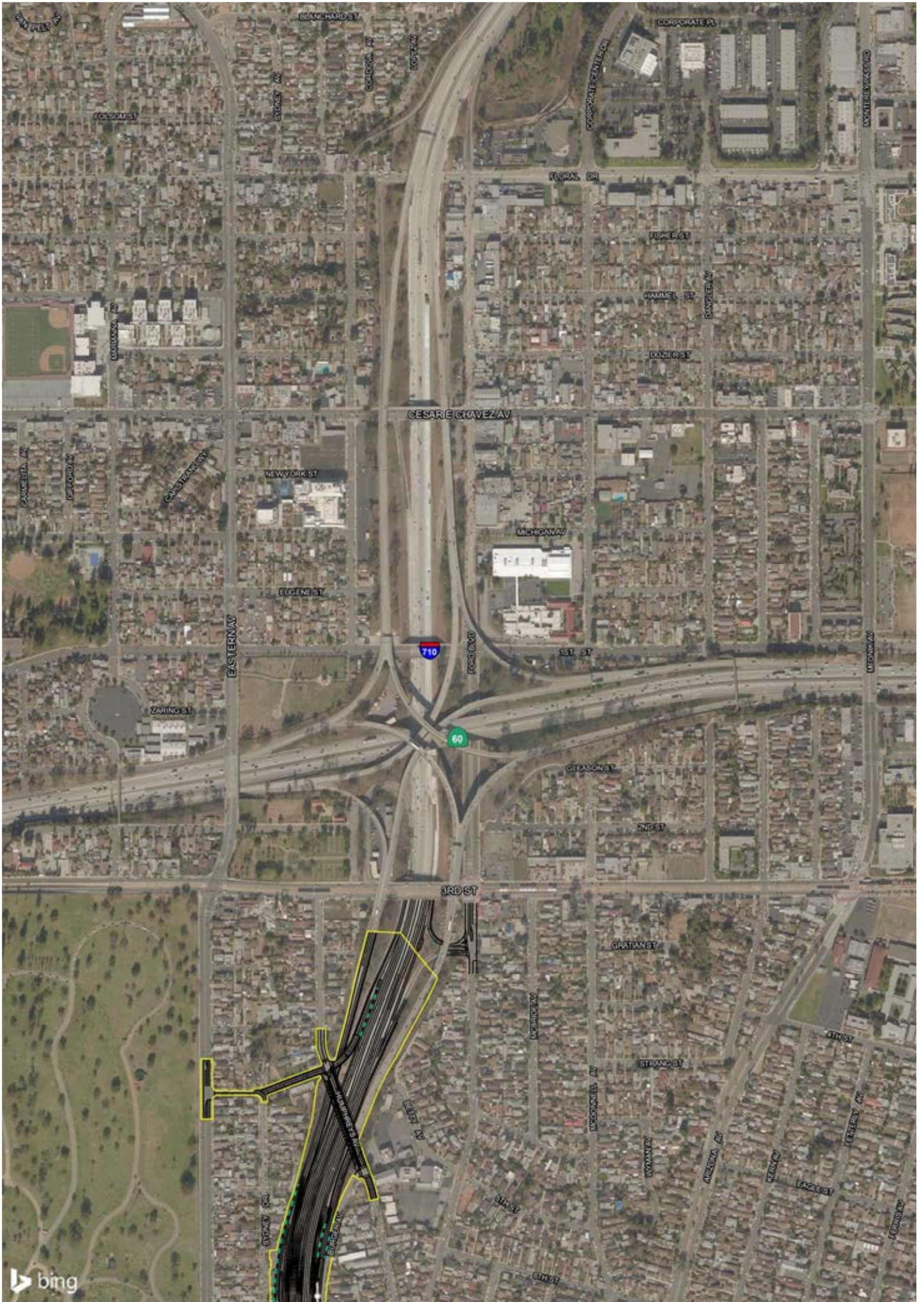


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|---------------------------------------|---|---------------------------------------|
| Alternative 7/DO 1B and 3B Footprint  | Jurisdictional Features (includes L.A. River)*                          | Non-jurisdictional Non Wetland Waters |
| Permanent Direct Impacts              | USACE Section 404 Jurisdictional Non Wetland Waters                     | Non-jurisdictional Wetland Waters     |
| Permanent Indirect Impacts            | USACE Section 404 Jurisdictional Wetland Waters                         | Sample Point (2012)                   |
| Temporary Impacts                     | USACE Section 10 Jurisdictional Waters                                  | Coastal Zone                          |
| Alternative 7/DO 1B and 3B Geometrics | Continuation of Drainage Through Non-Jurisdictional Area or Outside BSA |                                       |
| Potential Retaining Walls             | CDFW  |                                       |
| Potential Sound Walls                 | Other Drainage Features Within Developed Areas (non-jurisdictional)     |                                       |
| Existing Features                     | Other Drainage Features Within Developed Areas (non-jurisdictional)     |                                       |

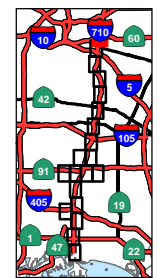


Appendix R  
 Sheet 19 of 20  
**I-710 Corridor Project**  
**RDEIR/SDEIS**  
 Impacts to Jurisdictional Waters Alternative 7 and Design Options  
 07-LA-710- PM 5.4/24.5  
 EA 249900; EFIS 0700000443

SOURCE: Bing Maps (2014); AECOM (2016) \*No drainage ID has been given to the jurisdictional waters within the Los Angeles River that coincide with the Biological Study Area  
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|---------------------------------------|---|---------------------------------------|
| Alternative 7/DO 1B and 3B Footprint  | Jurisdictional Features (includes L.A. River)*                          | Non-jurisdictional Non Wetland Waters |
| Permanent Direct Impacts              | USACE Section 404 Jurisdictional Non Wetland Waters                     | Non-jurisdictional Wetland Waters     |
| Permanent Indirect Impacts            | USACE Section 404 Jurisdictional Wetland Waters                         | Sample Point (2012)                   |
| Temporary Impacts                     | USACE Section 10 Jurisdictional Waters                                  | Coastal Zone                          |
| Alternative 7/DO 1B and 3B Geometrics | Continuation of Drainage Through Non-Jurisdictional Area or Outside BSA |                                       |
| Potential Retaining Walls             | CDFW  |                                       |
| Potential Sound Walls                 | Other Drainage Features Within Developed Areas (non-jurisdictional)     |                                       |
| Existing Features                     | Other Drainage Features Within Developed Areas (non-jurisdictional)     |                                       |



Appendix R  
 Sheet 20 of 20  
**I-710 Corridor Project**  
**RDEIR/SDEIS**  
 Impacts to Jurisdictional Waters Alternative 7 and Design Options  
 07-LA-710- PM 5.4/24.5  
 EA 249900; EFIS 0700000443

SOURCE: Bing Maps (2014); AECOM (2016) \*No drainage ID has been given to the jurisdictional waters within the Los Angeles River that coincide with the Biological Study Area  
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