APPENDIX I

Land Cover Types in the Biological Study Area
Figure 3: Vegetation and Landcover Types
I-680 Northbound
HOV/Express Lane Project
Map 1 of 27

Vegetation and Landcover Types
Mediterranean California naturalized annual and perennial grassland
Creeping rye grass turfs
Coyote brush scrub
Arroyo willow thickets
Sandbar willow thickets
Coast live oak woodland
California sycamore woodlands
Valley oak woodland
Eucalyptus groves
Retention basin
Cattail marshes
Iris-leaf rush seeps
Urban/Landscaped
Road

Vegetation Typed as: (Sawyer, Keeler-Wolf, and Evens 2009)
Figure 3: Vegetation and Landcover Types
I-680 Northbound
HOV/Express Lane Project
Map 3 of 27

Vegetation Typed as: (Sawyer, Keeler-Wolf, and Evens 2009)

Vegetation and Landcover Types
- Mediterranean California naturalized annual and perennial grassland
- Coast live oak woodland
- California sycamore woodlands
- Valley oak woodland
- Eucalyptus groves
- Creek
- Retention basin
- Wetland or Water Feature
- Biological Study Area (Build Alternative)
- Urban/Landscaped
- Road
Vegetation and Landcover Types

- Mediterranean California naturalized
- Annual and perennial grassland
- Creeping rye grass turfs
- Coyote brush scrub
- Arroyo willow thickets
- Sandbar willow thickets
- Coast live oak woodland
- California sycamore woodlands
- Valley oak woodland
- Eucalyptus groves
- Creek
- Retention basin
- Cattail marshes
- Iris-leaf rush seeps
- Urban/Landscaped
- Road
- Biological Study Area
- (Build Alternative)
- Wetland or Water Feature
- Phase 1

Figure 3: Vegetation and Landcover Types
I-680 Northbound
HOV/Express Lane Project
Map 6 of 27

Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Vegetation Typed as: (Sawyer, Keeler-Wolf, and Evens 2009)
Vegetation and Landcover Types

- Mediterranean California naturalized annual and perennial grassland
- Creeping rye grass turfs
- Coyote brush scrub
- Arroyo willow thickets
- Sandbar willow thickets
- Retention basin
- Coast live oak woodland
- California sycamore woodlands
- Valley oak woodland
- Eucalyptus groves
- Creek
- Cattail marshes
- Iris-leaf rush seeps
- Urban/Landscaped
- Road
- Wetland or Water Feature
- Biological Study Area (Build Alternative)
- Phase 1

Figure 3: Vegetation and Landcover Types I-680 Northbound HOV/Express Lane Project
Map 9 of 27
Vegetation Typing as: (Sawyer, Keeler-Wolf, and Evens 2009)
Figure 3: Vegetation and Landcover Types
I-680 Northbound
HOV/Express Lane Project

Vegetation and Landcover Types
- Mediterranean California naturalized
- annual and perennial grassland
- Creeping rye grass turfs
- Coyote brush scrub
- Arroyo willow thickets
- Sandbar willow thickets
- Retention basin
- Biological Study Area (Build Alternative)
- Coastal live oak woodland
- California sycamore woodlands
- Valley oak woodland
- Eucalyptus groves
- Creek
- Cattail marshes
- Iris-leaf rush seeps
- Urban/Landscaped
- Wetland or Water Feature
- Road

Vegetation Typing as: (Sawyer, Keeler-Wolf, and Evens 2009)

Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

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- Sandbar willow thickets
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- Biological Study Area (Build Alternative)
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- Valley oak woodland
- Eucalyptus groves
- Creek
- Cattail marshes
- Iris-leaf rush seeps
- Urban/Landscaped
- Wetland or Water Feature
- Road

Vegetation Typing as: (Sawyer, Keeler-Wolf, and Evens 2009)
Vegetation and Landcover Types
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- California sycamore woodlands
- Valley oak woodland
- Eucalyptus groves
- Creek
- Retention basin
- Cattail marshes
- Iris-leaf rush seeps
- Urban/Landscaped
- Road
- Biological Study Area (Build Alternative)
- Wetland or Water Feature

Figure 3: Vegetation and Landcover Types
I-680 Northbound HOV/Express Lane Project
Scale 1:2,400
Vegetation Typology: Sawyer, Keeler-Wolf, and Evens (2009)
Vegetation and Landcover Types

- Mediterranean California naturalized
- Annual and perennial grassland
- Creeping rye grass turfs
- Coyote brush scrub
- Arroyo willow thickets
- Sandbar willow thickets
- Coast live oak woodland
- California sycamore woodlands
- Valley oak woodland
- Eucalyptus groves
- Creek
- Retention basin
- Cattail marshes
- Iris-leaf rush seeps
- Urban/Landscaped
- Road

Biological Study Area

Build Alternative

Wetland or Water Feature

Phase 1

Vegetation and Landcover Types

Figure 3: Vegetation and Landcover Types

I-680 Northbound
HOV/Express Lane Project
Map 15 of 27

Vegetation Typed as: (Sawyer, Keeler-Wolf, and Evens 2009)
Vegetation and Landcover Types

- Mediterranean California naturalized annual and perennial grassland
- Creeping rye grass turfs
- Coyote brush scrub
- Arroyo willow thickets
- Sandbar willow thickets
- Coast live oak woodland
- California sycamore woodlands
- Valley oak woodland
- Eucalyptus groves
- Creek
- Retention basin
- Cattail marshes
- Iris-leaf rush seeps
- Urban/Landsaped Road

Biological Study Area (Build Alternative)
Phase 1
Wetland or Water Feature

Figure 3: Vegetation and Landcover Types
I-680 Northbound
HOV/Express Lane Project
Map 18 of 27

Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Vegetation Typod as: (Sawyer, Keeler-Wolf, and Evens 2009)
Vegetation and Landcover Types

- Mediterranean California naturalized annual and perennial grassland
- Creeping rye grass turfs
- Coyote brush scrub
- Arroyo willow thickets
- Sandbar willow thickets
- Coast live oak woodland
- California sycamore woodlands
- Valley oak woodland
- Eucalyptus groves
- Creek

Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Vegetation Typed as: (Sawyer, Keeler-Wolf, and Evens 2009)
Figure 3: Vegetation and Landcover Types
I-680 Northbound
HOV/Express Lane Project
Map 20 of 27

Vegetation and Landcover Types

- Mediterranean California naturalized annual and perennial grassland
- Creeping rye grass turfs
- Coyote brush scrub
- Arroyo willow thickets
- Sandbar willow thickets
- Coast live oak woodland
- California sycamore woodlands
- Valley oak woodland
- Eucalyptus groves
- Retention basin
- Cattail marshes
- Iris-leaf rush seeps
- Urban/Landscaped
- Creek

Biological Study Area (Build Alternative)
Phase 1
Wetland or Water Feature

Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community
Vegetation and Landcover Types

- Mediterranean California naturalized annual and perennial grassland
- Creeping rye grass turf
- Coyote brush scrub
- Arroyo willow thickets
- Sandbar willow thickets
- Coast live oak woodland
- California sycamore woodlands
- Valley oak woodland
- Eucalyptus groves
- Creek
- Retention basin
- Biological Study Area (Build Alternative)
- Cattail marshes
- Iris-leaf rush seeps
- Urban/Landscaped
- Wetland or Water Feature
- Road
- Phase 1

Figure 3: Vegetation and Landcover Types
I-680 Northbound
HOV/Express Lane Project
Map 23 of 27
Scale 1:2,400
Vegetation Typed as: (Sawyer, Keeler-Wolf, and Evens 2009)
Vegetation and Landcover Types

- Mediterranean California naturalized annual and perennial grassland
- Creeping rye grass turfs
- Coyote brush scrub
- Arroyo willow thickets
- Sandbar willow thickets
- Coast live oak woodland
- California sycamore woodlands
- Valley oak woodland
- Eucalyptus groves
- Retention basin
- Cattail marshes
- Iris-leaf rush seeps
- Urban/Landscaped
- Road

Retention basin
Cattail marshes
Iris-leaf rush seeps
Urban/Landscaped
Road

Figure 3: Vegetation and Landcover Types
I-680 Northbound
HOV/Express Lane Project
Map 24 of 27

Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Vegetation Typed as: (Sawyer, Keeler-Wolf, and Evens 2009)
Figure 3: Vegetation and Landcover Types
I-680 Northbound
HOV/Express Lane Project
Map 26 of 27

Vegetation and Landcover Types
- Mediterranean California naturalized
- Annual and perennial grassland
- Creeping rye grass turfs
- Coyote brush scrub
- Arroyo willow thickets
- Sandbar willow thickets
- Coast live oak woodland
- California sycamore woodlands
- Valley oak woodland
- Eucalyptus groves
- Creek
- Retention basin
- Cattail marshes
- Iris-leaf rush seeps
- Urban/Landscaped
- Road
- Biological Study Area (Build Alternative)
- Wetland or Water Feature
- Phase 1

Vegetation Typed as: (Sawyer, Keeler-Wolf, and Evens 2009)
Figure 3: Vegetation and Landcover Types
I-680 Northbound
HOV/Express Lane Project
Map 27 of 27

Vegetation and Landcover Types
- Mediterranean California naturalized annual and perennial grassland
- Creeping rye grass turfs
- Coyote brush scrub
- Arroyo willow thickets
- Sandbar willow thickets
- Retention basin
- Biological Study Area (Build Alternative)
- Cattail marshes
- Wetland or Water Feature
- Iris-leaf rush seeps
- Urban/Landscaped
- Road
- Coast live oak woodland
- California sycamore woodlands
- Valley oak woodland
- Eucalyptus groves
- Creek

Vegetation Typing as: (Sawyer, Keeler-Wolf, and Evens 2009)

Map 27 of 27

Scale 1:2,400

Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community
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