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Traffic Improvements

Protected-Permissive Left-Turn Phasing

Project Description
- Modification of five existing signalized intersections to install a protected-permissive left-turn operation.

Delivery Schedule
- Construction Start: August 2018
- Construction Completion: February 2019

Funding:
- Project Budget: $2,500,000
- Construction Contract Amount: $875,693

University Drive Widening — Campus Drive to MacArthur Avenue

Project Description
- Add a third travel lane in each direction, between Campus and MacArthur.
- Installation of new pavement, curb and gutter, ADA-accessible sidewalk and access ramps, and construction of retaining walls.

Delivery Schedule
- Construction Start: March 2018
- Construction Completion: May 2019

Funding:
- Project Budget: $20,796,000
- Construction Contract Amount: $11,472,300
Traffic Improvements

Culver Drive/University Drive Intersection Improvements

Project Description
- Add two new northbound right-turn lanes and a new northbound through lane on Culver.

Delivery Schedule
- Construction Start: September 2018*
- Construction Completion: September 2019

Funding:
- Project Budget: $5,158,600
- Construction Contract Amount: $3,549,300

*Construction to begin after bird nesting season

University Drive/Ridgeline Drive Intersection Improvements

Project Description
- Add a third eastbound through lane on University and a second northbound right-turn lane on Ridgeline.
- Lengthen the westbound dual left-turn lanes on University.

Delivery Schedule
- Design Completion: August 2018
- Right-of-Way Completion: December 2018
- Construction Start: March 2019
- Construction Completion: June 2020

Funding:
- Project Budget: $3,528,800
- Engineer's Estimate for Construction: $2,043,000
Traffic Improvements

Jamboree Road/Barranca Parkway Intersection

Project Description
- Add a fifth northbound through lane on Jamboree.
- Convert the existing free right-turn lane to a standard turn lane on Jamboree.

Delivery Schedule
- Right-of-Way Completion: December 2018
- Construction Start: June 2019
- Construction Completion: November 2020

Funding:
- Project Budget: $6,570,000
- Engineer’s Estimate for Construction: $3,740,000

Jamboree Pedestrian Bridge at Michelson Drive

Project Description
- Construction of a new pedestrian bridge over Jamboree, north of the intersection with Michelson.

Delivery Schedule
- Design Completion: February 2019
- Right-of-Way Completion: May 2019
- Construction Start: August 2019
- Construction Completion: May 2020

Funding:
- Project Budget: $20 million
- Engineer’s Estimate for Construction: $7 to 10 million
Traffic Improvements

Jeffrey Road/Alton Parkway Intersection Improvements

Project Description
- Add a new third westbound left-turn lane on Alton.
- Convert existing free right-turn lane to standard turn lane.

Delivery Schedule
- Design Completion: May 2019
- Right-of-Way Completion: May 2019
- Construction Start: October 2019
- Construction Completion: July 2020

Funding:
- Project Budget: $2,931,000
- Engineer’s Estimate for Construction: $2,000,000

Jeffrey Road/Walnut Avenue Intersection

Project Description
- Widening of eastbound Walnut, west of Jeffrey, to accommodate two left-turn lanes, one through lane, a through/right-turn lane, and a dedicated right-turn lane.

Delivery Schedule
- Right-of-Way Completion: September 2018
- Construction Start: November 2018
- Construction Completion: August 2019

Funding:
- Project Budget: $3,010,300
- Engineer’s Estimate for Construction: $1,717,000
Traffic Improvements

Jeffrey Road/Irvine Center Drive Intersection Improvements

Project Description
- Add a new fourth northbound and southbound through lane on Jeffrey.
- Extend left-turn lanes from southbound Jeffrey to eastbound Irvine Center Drive.

Delivery Schedule
- Preliminary Design Completion: January 2019
- Design Completion: January 2020
- Construction Start: May 2020
- Construction Completion: June 2021

Funding:
- Project Budget: $1,007,000*
- Engineer's Estimate for Construction: TBD

*Design Phase Only

University Drive Widening —
Ridgeline Drive to I-405 On-Ramp

Project Description
- Add northbound third through lane from Ridgeline to the southbound I-405 on-ramp.
- Maintain on-street bike lane.
- Maintain off-street class 1 pedestrian and bike trail.

Delivery Schedule
- Design Completion: January 2019
- Right-of-Way Completion: May 2019
- Construction Start: August 2019
- Construction Completion: July 2020

Funding:
- Project Budget: $977,200*
- Engineer's Estimate for Construction: TBD

*Design Phase Only
Traffic Improvements

Irvine Business Center Sidewalk Improvements

Project Description
- Installation of new sidewalk to fill existing gaps along portions of Millikan, Armstrong, Hale, Gates, Noyes, and DuBridge.
- Installation of ADA-compliant curb access ramps and driveways.

Delivery Schedule
- Right-of-Way Completion: September 2018
- Construction Start: February 2019
- Construction Completion: September 2019

Funding:
- Project Budget: $2,710,660
- Engineer's Estimate for Construction: $1,400,650

Von Karman Avenue/Tustin Ranch Road Signal Synchronization

Project Description
- Update existing traffic signal synchronization plans, software, and control equipment along Von Karman/Tustin Ranch Road, from Campus to Pioneer.
- Coordination of signal timing with the City of Tustin and Caltrans.

Delivery Schedule
- Construction Start: September 2018
- Construction Completion: March 2019

Funding:
- Project Budget: $1,800,000
- Engineer's Estimate for Construction: $1,075,000
Traffic Improvements

Irvine Center Drive/Edinger Avenue Signal Synchronization

Project Description
- Update existing traffic signal synchronization plans, software, and control equipment along Irvine Center Drive/Edinger, from Newport to Protocol.
- Coordination of signal timing with the City of Tustin and Caltrans.

Delivery Schedule
- Construction Start: September 2018
- Construction Completion: February 2019

Funding:
- Project Budget: $2,280,000
- Engineer’s Estimate for Construction: $1,438,650

Irvine Boulevard Signal Synchronization

Project Description
- Update existing traffic signal synchronization plans, software, and controller equipment along Irvine Boulevard, from Jamboree to Bake.
- Coordination of signal timing with the cities of Tustin and Lake Forest, and Caltrans.

Delivery Schedule
- Construction Start: February 2018
- Construction Completion: October 2018

Funding:
- Project Budget: $473,000
- Construction Contract Amount: $363,310
Traffic Improvements

Trabuco Road/Remington Traffic Signal

Project Description
- Add a new traffic signal and modify the existing flood control channel.

Delivery Schedule
- Design Completion: June 2019
- Right-of-Way Completion: June 2019
- Construction Start: July 2019
- Construction Completion: July 2020

Funding:
- Project Budget: $2,875,000
- Engineer’s Estimate for Construction: TBD

Traffic Signal Vehicle and Bicycle Detection Systems Installation

Project Description
- Installation of new video detection systems at Main and MacArthur, Culver at Warner, and Trabuco at Yale.

Delivery Schedule
- Design Completion: August 2018
- Construction Start: October 2018
- Construction Completion: April 2019

Funding:
- Project Budget: $520,000
- Engineer’s Estimate for Construction: $400,000
Traffic Improvements

Main Street Signal Synchronization

Project Description
- OCTA is the lead agency for design and construction.
- Installation of video detection systems, CCTV cameras and central traffic control system.
- Update existing traffic signal synchronization plans, software, and controller equipment along Main, from Culver to Taft.
- Coordination of signal synchronization with the cities of Santa Ana and Orange, and Caltrans.

Delivery Schedule
- Construction Start: TBD by OCTA
- Construction Completion: TBD by OCTA

Funding:
- Project Budget: $256,000 (20% City Match)
- Engineer’s Estimate for Construction: TBD by OCTA

Culver Drive/Bonita Canyon Drive Signal Synchronization

Project Description
- Improvements and upgrades to traffic signal control and systems.
- Update existing traffic signal synchronization plans, software, and controller equipment along Culver/Bonita Canyon, from Portola to Jamboree.
- Coordination of signal synchronization with the City of Newport Beach and Caltrans.

Delivery Schedule
- Construction Start: June 2019
- Construction Completion: June 2020

Funding:
- Project Budget: $1,424,660
- Engineer’s Estimate for Construction: $996,000
Traffic Improvements

Adaptive Traffic Signal Control System

Project Description
- To explore an adaptive traffic signal system that will monitor traffic conditions and automatically adjust signal timing.

Delivery Schedule
- Construction Start: December 2018
- Construction Completion: June 2019

Funding:
- Project Budget: $500,000
- Engineer’s Estimate for Construction: $345,000

Traffic Signal Controller Module Upgrade

Project Description
- Installation of modules to existing signal controllers to enable intersection management for the central traffic control system.

Delivery Schedule
- Construction Start: December 2018
- Construction Completion: June 2019

Funding:
- Project Budget: $125,000
- Engineer’s Estimate for Construction: $120,000
Traffic Improvements

Traffic Monitoring Cameras and System

Project Description
- Installation of new cameras and system for monitoring traffic throughout the City.

Delivery Schedule
- Construction Start: December 2018
- Construction Completion: December 2019

Funding:
- Project Budget: $300,000
- Engineer's Estimate for Construction: $240,000
Annual Street Rehabilitation and Slurry Seal

Project Description
- Pavement rehabilitation and/or slurry seal of various streets within the neighborhoods of University Park, Rancho San Joaquin, and Woodbridge.

Delivery Schedule
- Construction Start: November 2017
- Construction Completion: July 2018

Funding:
- Project Budget: $7,299,000
- Construction Contract Amount: $7,041,039

Jamboree Road Pavement Rehabilitation

Project Description
- Pavement rehabilitation from Michelle to the railroad bridge.
- Repair damaged curb and gutter.

Delivery Schedule
- Design Completion: March 2019
- Construction Start: July 2019
- Construction Completion: December 2019

Funding:
- Project Budget: $2,255,700
- Engineer's Estimate for Construction: $2,000,000
Street Rehabilitation

Alton Parkway Pavement Rehabilitation

Project Description
- Pavement rehabilitation from I-5 to Technology East.
- Construct ADA-compliant access ramps, reconstruct the damaged curb, gutter, and sidewalk.
- Installation of video detection cameras.

Delivery Schedule
- Design Completion: November 2018
- Construction Start: February 2019
- Construction Completion: November 2019

Funding:
- Project Budget: $2,737,750
- Engineer's Estimate for Construction: $1,989,000
Facility Improvements

City Council Chamber Upgrades

Project Description
- City Council Chamber audiovisual and broadcast system upgrades.
- City Council Chamber facility improvements.

Delivery Schedule
- Construction Start: July 2018
- Construction Completion: November 2018

Funding:
- Project Budget: $3,852,000
- Construction Contract Amount: Audiovisual/Broadcast System – $1,802,964 Facility Improvement – $970,000

Turtle Rock Community Park Accessibility Improvements

Project Description
- Construction of accessibility related improvements at Turtle Rock Community Center and the Nature Center.
- Proposed improvements include: upgrading public service counters at each building, installing new chair lifts for interior/exterior performance stages, and upgrading restrooms and door hardware throughout both buildings.

Delivery Schedule
- Design Completion: July 2018
- Construction Start: October 2018
- Construction Completion: March 2019

Funding:
- Project Budget: $648,450
- Engineer’s Estimate for Construction: $550,000
Facility Improvements

Animal Care Center Improvements and Expansion

Project Description
- Renovation and expansion of the Animal Care Center.
- Construction of three new dog parks.

Delivery Schedule
- Initiate Final Design: October 2018
- Construction Start: TBD
- Construction Completion: TBD

Funding:
- Project Budget: $25,900,000
- Engineer's Estimate for Construction: $20 million

Peters Canyon Wash Trail Lighting Improvements — Walnut Avenue to the Railroad

Project Description
- Installation of 29 new trail lights on the existing off-street trail along Peters Canyon Wash.

Delivery Schedule
- Construction Start: January 2019*
- Construction Completion: June 2019

Funding:
- Project Budget: $878,000
- Engineer's Estimate for Construction: $592,880

*Pending Caltrans grant approval
Facility Improvements

Woollett Aquatics Locker Room Rehabilitation

Project Description
- Replace existing showers with new individually partitioned showers and changing stalls.

Delivery Schedule
- Design Completion: July 2018
- Construction Start: October 2018
- Construction Completion: December 2018

Funding:
- Project Budget: $360,000
- Engineer’s Estimate for Construction: $300,000

Train Station Elevator Rehabilitation

Project Description
- Rehabilitate and modernize the two elevators to the pedestrian bridge at the Irvine Station.

Delivery Schedule
- Design Completion: November 2018
- Construction Start: February 2019*
- Construction Completion: August 2019

Funding:
- Project Budget: $210,000
- Engineer’s Estimate for Construction: TBD

*Pending permits from OCTA, Amtrak and Metrolink
Great Park Improvements

Orange County Great Park Western Sector Roadway Project

Project Description
- Construction of new streets and utility infrastructure in the Orange County Great Park Western Sector.

Delivery Schedule
- Construction Start: May 2018
- Construction Completion: March 2019*

Funding:
- Project Budget: $11,115,000
- Construction Contract Amount: $7,253,860

*Access to Phantom to be completed prior to Ice Facility opening.

Orange County Great Park Western Sector Restrooms

Project Description
- Construction of new restroom building in the Western Sector of the Great Park.

Delivery Schedule
- Design Completion: November 2018
- Construction Start: March 2019
- Construction Completion: July 2019

Funding:
- Project Budget: $690,000
- Engineer's Estimate for Construction: $520,000
Great Park Improvements

Marine Way Landscape

Project Description
- Landscape improvements between Ridge Valley and the Sports Park parking lot along Marine Way.

Delivery Schedule
- Construction Start: July 2018
- Construction Completion: September 2018

Funding:
- Project Budget: $750,000
- Construction Contract Amount: $466,163

Cultural Terrace Parking Lot

Project Description
- Construction of a new 1,200-space parking lot.

Delivery Schedule
- Design Completion: October 2018
- Construction Start: January 2019
- Construction Completion: September 2019

Funding:
- Project Budget: $500,000*
- Engineer's Estimate for Construction: $11.5 million

*Design Phase Only