CAPITAL IMPROVEMENT PROGRAM OVERVIEW

Shane Silsby
Director, OCPW
We maintain...

380 miles of flood control channels
8 water pumping stations
320 road miles
16 dams

...and counting
Orange County "At a Glance"

- **Population**: over 3 million persons
- **Total Land Area**: approx. 798 sq. miles
- **Maintenance Area**: approx. 277 sq. miles
- **Roadways**: 321 miles & 463 contract miles
- **Flood Control Facilities**: 380 miles
- **Maintain 4 Dams & 7 Pump Stations**
- **5 Supervisorial Districts**
OC Public Works Organizational Structure
Ongoing Major Projects...

- La Pata Avenue/ Camino Del Rio Extension Project
- OC Animal Care Facility
- Civic Center Master Plan
- Dana Point Harbor Revitalization
- Central Utility Facility Infrastructure Upgrades
The OC "Big 6" Projects

1
The OC "Big 6" Projects

1. Central Utility Facility Upgrades
   $68M
The OC "Big 6" Projects
2
Dana Point Harbor Revitalization
$100M
The OC "Big 6" Projects

3. La Pata Avenue Gap Closure
   $130M
The OC "Big 6" Projects
The OC "Big 6" Projects

4

OC Animal Care Facility
$35M
The OC "Big 6" Projects
The OC "Big 6" Projects

5

Civic Center Facilities
Strategic Plan
$150M
The OC "Big 6" Projects
Musick Jail Expansion
$180M
Bridges at Kraemer Place (Extra Credit?)
Bridges at Kraemer Place

Bridges Homeless Shelter

$10M
Increased Efficiencies – CIP Development

“Plan the Work, Work the Plan”

• Budget by:
  ▪ Fiscal year
  ▪ Project / Funding source
  ▪ Project phase (Pre-design, Design, Construction)
  ▪ Business unit (Project Management, Survey, Construction Management, Design, etc.)
Road CIP Progression: FY 15-16

Road CIP FY 2015-16 Budget $47,245,129

- Unobligated $5,089,584 (11%)
- Rebudgeted $11,472,553 (24%)
- Obligated $30,682,992 (65%)
Road CIP Progression: FY 16-17

Road CIP FY 2016-17 Budget $50,568,687

- Rebudgeted: $1,540,356 (3%)
- Unobligated: $1,267,845 (3%)
- Obligated: $47,760,487 (94%)
Flood CIP Progression: FY 15-16

Flood CIP FY 2015-16 Budget $60,309,857

- Unobligated $33,134,239 (55%)
- Rebudgeted $20,760,054 (34%)
- Obligated $6,415,564 (11%)
Flood CIP Progression: FY 16-17

Flood CIP FY 2016-17 Budget $64,877,224

- Obligated $56,918,899 (88%)
- Rebudgeted $6,845,020 (10%)
- Un obrigated $1,113,305 (2%)
CIP Information Currently Available

7-Year CIP Now Online

- Website: OCpublicworks.com
CIP Information Available

WELCOME TO OC PUBLIC WORKS

Our mission
Protect and enrich the community through efficient delivery and maintenance of public works infrastructure, planning, and development services.

Our vision
Provide excellent, innovative, and professional public works projects and services to our community.

Our values
Integrity, Accountability, Service and Trust.

EVENTS

September 13, 2017
1:30 PM
» OC Planning Commission
All Planning Commission Hearings are scheduled to be held at 1:30pm, on the second (2nd) and fourth (4th) Wednesday of each month at the Hall of Administration Building, 333 W. Santa Ana Blvd. Santa Ana, CA 92702, 1st Floor, Planning Commission Room, unless otherwise notified.

September 20, 2017
1:30 PM
» OC Subdivision Committee
All Subdivision Committee hearings are scheduled to be held at 1:30 pm, every first and third Wednesday of each month at the County of Orange, H.G. Osborne Building, 300 North Flower Street, Room B 10, Santa Ana, CA 92703, unless no items are scheduled to be heard.
Major Project Maps

7-Year Orange County Public Works:
Road, Flood & Bikeway Capital Improvement Projects

- F08 Lane Channel Phase I
  - The project consists of stabilizing the earthen trapezoidal channel side slopes and restore the channel to its as-built condition.
  - Project Cost Estimate is $10,133,750
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September 14, 2017
8:30 AM
› Development Processing Review Committee
All DPRC meetings are scheduled to be held from 8:30 am to 10:00 am, on the second (2nd) Thursday of each month at the County of Orange, H.G. Osborne Building, 300 North Flower Street, 8th Floor, Conference Room 808, Santa Ana, CA 92703, unless otherwise notified.

September 20, 2017
1:30 PM
› OC Subdivision Committee
All Subdivision Committee hearings are scheduled to be held at 1:30 pm, every first and third Wednesday of each month at the County of Orange, H.G. Osborne Building, 300 North Flower Street, Room B 10, Santa Ana, CA 92703, unless no items are scheduled to be heard.
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<th>Road Capital Improvement Program, Project Name</th>
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<th>Planned FY 2018-19</th>
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Capital Improvement Program Overview

OC Public Works
Fiscal Years 2017/18-2023/24

7-YEAR CAPITAL IMPROVEMENT PROGRAM
Road, Bridge, Flood and Bikeway Projects

COUNTY OF ORANGE
CALIFORNIA
FIRST DISTRICT
Fiscal Years 2017/18-2018/19
Capital Improvement Program – First District

PROJECT HIGHLIGHT
Hazard Avenue Bikeway (FY 2018-2019)
What: Construct approximately 2.9 miles of a Class IV Bikeway
Location: Santa Ana, Westminster, and Garden Grove
Project Cost Estimate: $4,693,000

I-405 Widening Ocean View Segment Improvements (FY 2017-2018)
What: A cooperative project between the Orange County Transportation Authority (OCTA) and Orange County Flood Control District (OCFCD) to improve capacity of the Ocean View Channel by adding 2 elliptical pipes under Interstate 405
Location: Santa Ana
Project Cost Estimate: $9,566,160
Construction Cost Estimate: $7,253,960

Santa Ana Gardens Bikeway, Phase I (COMPLETE)
Capital Improvement Program – Second District

SECOND DISTRICT
Fiscal Years 2017/18-2018/19
Capital Improvement Program – Second District

**PROJECT HIGHLIGHT**

Edinger Bridge Replacement (FY 2017-2018)
What: Replace and widen the previous timber bridge with a precast concrete bridge, upgrade barrier railing, increase the clearance for projected flood water elevations in the Bolsa Chica Channel, and ensure a life expectancy of 75 years
Location: Huntington Beach and Seal Beach
Project Award Price: $14,430,599

CDS East Garden Grove-Wintersburg Channel (FY 2018-2019)
What: Remove existing trapezoidal channel and replace with a rectangular channel, improvements will allow channel reach to convey a 100-year storm
Location: Huntington Beach
Project Cost Estimate: $25,999,975
Construction Cost Estimate: $22,000,000

Santa Ana Delhi Channel (FY 2018-2019)
What: The proposed channel improvements consist of widening portions of the channel to create additional habitat area; restoration of the channel slopes; and replacement of an existing bicycle bridge to allow continued coastal access
Location: Newport Beach
Project Cost Estimate: $20,983,800
Construction Cost Estimate: $16,000,000

Southern California Edison (SCE) Easement Bikeway (FY 2018-2019)
What: Construct four signalized crossings to connect existing lengths of an off-road paved bikeway along an SCE transmission line
Location: Fountain Valley
Project Cost Estimate: $1,000,000
Construction Cost Estimate: $1,000,000

University Drive Sidewalk Gap Closure and Curb Ramp Upgrade (FY 2018-2019)
What: Construct a continuous sidewalk on both sides of University Drive from Santa Ana Avenue to Irvine Avenue
Location: Newport Beach
Project Cost Estimate: $74,000
Construction Cost Estimate: $271,392
THIRD DISTRICT
Fiscal Years 2017/18-2018/19

THIRD DISTRICT
SUPERVISOR TODD SPITZER

Capital Improvement Program – Third District

Flood Channels
Projects Fiscal Year 2017/18
Projects Fiscal Year 2018/19
Projects Fiscal Year 2019/20
Projects Fiscal Year 2020/21
Projects Fiscal Year 2021/22
Projects Fiscal Year 2022/23

CIP Projects, Fiscal Years 2017/18 & 2018/19
1. Santa Ana River Trail and Bikeway Project
2. FOS Lane Channel Phase 1
3. P69 San Joaquin Channel P68-99 Project
4. F14 San Joaquin Channel
5. Participation in diversion projects on Peters Canyon Wash
6. Santa Ana River Hiking and Biking Trail
7. Santa Ana River Reach R, Green River Golf Course Access Flood Control Improvement (Knuckle Fill Extension)
8. Crawford Canyon Road Drainage Improvements & Rehconstruction
9. Foot Hill Boulevard and Havens Street Asphalt Overlay
10. Hospital Frontage Road & Justice Center Way Rehabilitation
11. Live Oak Canyon Road and Trabuco Canyon Road Safety Improvements
12. Newport Blvd Fiber Optic Installation and 17th Street Signal Upgrades
13. Panorama Heights Guard Rail Replacement (Phase 2)
14. Traffic Signal Upgrades - Newport Blvd of Foot Hill and Dodge
15. FOS San Diego Creek Sediment Removal
16. B Cajon (OC Loop Segment H)
17. Modjeska Canyon Bridge Replacement, #SSC-0172
18. Santiago Canyon Road Safety Improvements
19. Silverado Canyon Bridge Replacement, #SSC-0174
20. Silverado Canyon Bridge Replacement, #SSC-0175
21. Silverado Canyon Bridge Replacement, #SSC-0177

CIP Projects, Fiscal Years 2019/20 through 2022/24 Cont.
22. Bajada Wash Glass i Bikeway
23. B Cajon (OC Loop Segment D)
24. Peters Canyon Bikeway Extension
25. Santa Ana River Parkway Extension

Trabuco Canyon Rd Bridge Replacement

Collins Avenue and Eckhoff Street Cul-De-Sac Improvements
Orange Park Access Equitation Trail Relocation
Trabuco Creek Road Stabilization
Trabuco Canyon Bridge Replacement, #SSC-0036
Esperanza Road Drainage & Rehabilitation Improvements
Modjeska Grade, Road and Drainage Improvement (Segment 1)
Foothill, Old Foothill, Fairhaven, Havens, Fowler Sidewalk Improvements
Fairhaven Avenue, Road and Drainage Improvements
Meads and Anapola Bridge Replacement Meads (#SSC-0834), Anapola (#SSC-018)
Modjeska Grade, Road and Drainage Improvement, (Segment 2)
Orange Park Boulevard Roundabout Improvements
Santiago Canyon Road Passing Lanes
Capital Improvement Program – Third District

Santa Ana River Reach 9, Green River Golf Course Access Flood Control Improvement (FY 2017-2018)
What: This project will stabilize the embankment at the Green River Golf Course entrance to improve traffic safety
Location: Yorba Linda
Project Cost Estimate: $820,000
Construction Cost Estimate: $700,000

Santa Ana Trail and Bikeway Project (FY 2017-2018)
What: Construct and extend dirt trail along Santa Ana River between Orangewood Avenue and Katella Avenue
Location: Anaheim
Project Cost Estimate: $2,422,000
Construction Cost Estimate: $1,600,000

San Diego Creek (FDD) Sediment Removal (FY 2018-2019)
What: Removal of sediment from the in-channel basins when operational capacity is reduced to 50%
Location: Irvine
Project Cost Estimate: $11,020,000
Construction Cost Estimate: $10,000,000

Modjeska Canyon Bridge Replacement (#55C-0172) (FY 2018-2019)
What: Replace bridge over Silverado Creek
Location: Unincorporated Orange County
Project Cost Estimate: $5,248,000
Construction Cost Estimate: $1,152,000

Santiago Canyon Road, Safety Roadway Improvements (FY 2018-2019)
What: Provide High friction Surfacing Treatment, install flashing beacons, delineators, reflectors, rumble strips upgrade signage, and increase bicycle safety by striping a buffer zone
Location: Unincorporated Orange County
Project Cost Estimate: $3,324,460
Construction Cost Estimate: $2,374,460

Silverado Canyon Bridge Replacement (#55C-0174) (FY 2018-2019)
What: Replace bridge over Silverado Creek
Location: Unincorporated Orange County
Project Cost Estimate: $3,174,400
Construction Cost Estimate: $1,456,400

Silverado Canyon Bridge Replacement (#55C-0175) (FY 2018-2019)
What: Replace bridge over Ladd Creek
Location: Unincorporated Orange County
Project Cost Estimate: $2,852,050
Construction Cost Estimate: $1,115,800

Silverado Canyon Bridge Replacement (#55C-0177) (FY 2018-2019)
What: Replace bridge over Silverado Creek
Location: Unincorporated Orange County
Project Cost Estimate: $2,826,600
Construction Cost Estimate: $1,227,600

El Cajon (OC Loop Segment H) (FY 2018-2019)
What: Construct approximately 1.2 miles of a Class I, II, III Bikeway
Location: Yorba Linda
Project Cost Estimate: $2,836,800
Construction Cost Estimate: $2,400,000
Lambert Road Bikeway Improvement

What: Widened the roadway shoulder to 5 feet wide and striped a Class II bike lane

Location: Unincorporated Orange County

Contract Award Amount $693,234

Fullerton Creek Channel (A03) (FY 2017-2018)

What: Flood channel improvement
Location: Buena Park
Project Cost Estimate: $26,655,000
Construction Cost Estimate: $22,000,000

Brea Boulevard and Canyon Country Road Intersection Improvements (FY 2018-2019)

What: Improve the existing signalized intersection and allow additional turn movements
Location: Brea
Project Cost Estimate: $4,552,000
Construction Cost Estimate: $3,000,000

Brea Canyon Road at Toner Canyon Road Intersection (FY 2016-2019)

What: Improve the intersection by installing a new 3-way traffic signal
Location: Brea
Project Cost Estimate: $4,330,000
Construction Cost Estimate: $3,000,000

Gilbert Street Railroad Crossing Improvements, Phase 2 (FY 2016-2019)

What: Street improvements
Location: West Anaheim
Project Cost Estimate: $1,147,438
Construction Cost Estimate: $500,000

Brea Canyon Road at Canyon Country Road Intersection

Gilbert Street Improvements
Capital Improvement Program – Fifth District

FIFTH DISTRICT
Fiscal Years 2017/18-2018/19

FIFTH DISTRICT
SUPERVISOR LISA BARTLETT

ClP Projects, Fiscal Years 2017/18 & 2018/19
1. Metroline Bikeway and Trail Underpass
2. L01 San Juan Creek Channel, Phases 4, 5, and 6
3. Antonio Parkway
4. Cow Camp Road Segment 2
5. Crown Valley Parkway and Coto Parkway Surrey Seal Project
6. La Pata Avenue Stop Closure and Widening, Phases I & II
7. La Pata Avenue Off-Site Mitigation
8. Coto Parkway at Antonio Parkway Intersection Improvements
9. Coto Parkway Bridge Replacement
11. Design Services for Aliso Creek Restoration Project Construction Documents
12. LG2 Trabuco Creek Channel Phase B

ClP Projects, Fiscal Years 2019/20 Through 2023/24
1. Boniego Wash Class I Bikeway
2. Trabuco Creek Road Stabilization
3. Ortega Highway Widening Improvements (PALED Phase)
4. Surface in Pedestrian Overcrossing construction (Phase II)
5. L01 San Juan Creek Channel, Invert Stabilization Phase 1
6. Antonio Parkway and Crown Valley Parkway Rehabilitation
7. Cow Camp Road Segment 1 (Phase I) southside
8. Avenida Pico Class I Bikeway
9. Segunda Desmarcha Channel (M02) Class I Bikeway
10. Laguna Canyon Road - Segment 4, Phases II to IV
# Capital Improvement Program – Countywide

## ALL DISTRICTS

**Fiscal Years 2019/20-2023/24**

### FIRST DISTRICT

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Location/Details</th>
<th>Project Cost Estimate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Santa Ana Gardens Channel Phase 2 (FY 2019-2020)</td>
<td>What: 0.66 mile extension of existing Class I bikeway. Location: Santa Ana, Monta Vista Avenue to Wilits Street.</td>
<td>$1,593,465</td>
</tr>
<tr>
<td>Santa Ana Gardens Channel Phase 3 (FY 2020-2021)</td>
<td>What: 0.66 mile extension of existing Class I bikeway. Location: Santa Ana, Wilits Street to Myrtle Street.</td>
<td>$1,221,000</td>
</tr>
<tr>
<td>Neuland Street Pavement Rehabilitation (FY 2020-2021)</td>
<td>What: Reconstruct pavement. Location: Midway City.</td>
<td>$1,839,000</td>
</tr>
<tr>
<td>Santa Ana Gardens Channel Phase 4 (FY 2021-2022)</td>
<td>What: 0.66 mile extension of existing Class I bikeway. Location: Santa Ana, Myrtle Street to First Street.</td>
<td>$1,668,200</td>
</tr>
<tr>
<td>East Garden Grove-Wintersburg Channel (FY 2022-2023)</td>
<td>What: Reconstruction of existing channel. Location: Westminster, Beach Boulevard to Woodruff Street.</td>
<td>$14,649,570</td>
</tr>
</tbody>
</table>

### SECOND DISTRICT

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Location/Details</th>
<th>Project Cost Estimate</th>
</tr>
</thead>
<tbody>
<tr>
<td>East Garden Grove-Wintersburg Channel (FY 2021-2022)</td>
<td>What: Reconstruction of an existing channel. Location: Huntington Beach.</td>
<td>$15,404,900</td>
</tr>
</tbody>
</table>

### THIRD DISTRICT

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Location/Details</th>
<th>Project Cost Estimate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Collins Avenue and Eckhoff Street Cul-de-Sac Improvements (FY 2019-2020)</td>
<td>What: Fully improve North Eckhoff Street and Collins Avenue to full cul-de-sacs. Location: Orange.</td>
<td>$508,000</td>
</tr>
<tr>
<td>Orange Park Acres Equestrian Trail Relocation (FY 2019-2020)</td>
<td>What: Feasibility study for relocation of an equestrian trail. Location: Orange.</td>
<td>$44,000</td>
</tr>
<tr>
<td>Trabuco Creek Road Stabilization (FY 2019-2020)</td>
<td>What: Reconstruct existing road to facilitate emergency vehicle access. Location: Trabuco Canyon.</td>
<td>$5,332,000</td>
</tr>
<tr>
<td>Borrego Wash Class I Bikeway (FY 2018-2020)</td>
<td>What: Construct approximately 4 miles of a Class IV (paved, on-road protected) bikeway. Location: Irvine.</td>
<td>$6,372,500</td>
</tr>
<tr>
<td>El Cajon (OR Loop Segment D) (FY 2019-2020)</td>
<td>What: Construct approximately 1.1 miles of a Class I bikeway. Location: Brea.</td>
<td>$8,663,000</td>
</tr>
<tr>
<td>Esperanza Road Drainage and Rehabilitation Improvements (FY 2020-2021)</td>
<td>What: Repair pavement and curbs and gutter. Location: Yorba Linda.</td>
<td>$2,499,000</td>
</tr>
<tr>
<td>Modjeska Grade Road and Drainage Improvement, Segment 1 (FY 2020-2021)</td>
<td>What: Reconstruct pavement and install a new storm drain system. Location: Modjeska Canyon.</td>
<td>$3,896,000</td>
</tr>
</tbody>
</table>
# Capital Improvement Program – Countywide

## Third District (Continued)

<table>
<thead>
<tr>
<th>Project</th>
<th>Description</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foothill, Old Foothill, Fairhaven, Reues, Fowler Sidewalk Improvements (FY 2022-2023)</td>
<td>Sidewalk improvements&lt;br&gt;&lt;br&gt;Location: North Tustin&lt;br&gt;&lt;br&gt;Project Cost Estimate: $3,470,480</td>
<td>$3,470,480</td>
</tr>
<tr>
<td>Fairhaven Avenue Road and Drainage Improvements (FY 2023-2024)</td>
<td>Road and drainage improvements&lt;br&gt;&lt;br&gt;Location: North Tustin&lt;br&gt;&lt;br&gt;Project Cost Estimate: $4,616,000</td>
<td>$4,616,000</td>
</tr>
<tr>
<td>Meadows and Anapola Bridge Replacements (FY 2023-2024)</td>
<td>Replace both bridges with new slab bridges&lt;br&gt;&lt;br&gt;Location: Orange&lt;br&gt;&lt;br&gt;Project Cost Estimate: $4,997,926</td>
<td>$4,997,926</td>
</tr>
<tr>
<td>Madison Grade Road and Drainage Improvement, Segment 2 (FY 2023-2024)</td>
<td>Reconstruct pavement and install a new storm drain system&lt;br&gt;&lt;br&gt;Location: Madison Canyon&lt;br&lt;br&gt;Project Cost Estimate: $8,749,500</td>
<td>$8,749,500</td>
</tr>
<tr>
<td>Orange Park Boulevard Roundabout Improvements (FY 2023-2024)</td>
<td>Installation of two roundabouts within the Orange Park Acres Community to improve traffic flow&lt;br&gt;&lt;br&gt;Location: Orange&lt;br&lt;br&gt;Project Cost Estimate: $3,634,000</td>
<td>$3,634,000</td>
</tr>
<tr>
<td>Santiago Canyon Road Passing Lanes (FY 2023-2024)</td>
<td>Installation of passing lanes to increase traffic flow and improve vehicle safety&lt;br&gt;&lt;br&gt;Location: Santiago Canyon&lt;br&lt;br&gt;Project Cost Estimate: $28,300,000</td>
<td>$28,300,000</td>
</tr>
<tr>
<td>El Toro Road Widening (FY 2024-2025)</td>
<td>Widen El Toro Road from a 2-lane roadway to a 4-lane roadway, reconstruct approximately 1500-ft of Class I (off-road) Also Creek Bikeway form Ridgeline Road to the bikeway at El Toro Road undercrossing&lt;br&gt;&lt;br&gt;Location: Unincorporated Orange County&lt;br&lt;br&gt;Project Cost Estimate: $5,017,000</td>
<td>$5,017,000</td>
</tr>
<tr>
<td>Newport Avenue Raised Median (FY 2024-2025)</td>
<td>Construct raised median between Wass Street and Skyline Place with coordination from the City of Tustin&lt;br&gt;&lt;br&gt;Location: North Tustin&lt;br&lt;br&gt;Project Cost Estimate: $2,503,500</td>
<td>$2,503,500</td>
</tr>
</tbody>
</table>

## Fourth District

<table>
<thead>
<tr>
<th>Project</th>
<th>Description</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trabuco Canyon Bridge Replacement (FY 2019-2020)</td>
<td>Remove the existing box culvert bridge and replace with a wider concrete bridge that will span the full width of the creek on a raised roadway profile&lt;br&gt;&lt;br&gt;Location: Rancho Santa Margarita&lt;br&lt;br&gt;Project Cost Estimate: $7,398,267</td>
<td>$7,398,267</td>
</tr>
<tr>
<td>Southwest Anaheim Sidewalk Improvements (FY 2019-2020)</td>
<td>Sidewalk improvements&lt;br&gt;&lt;br&gt;Location: Southwest Anaheim&lt;br&lt;br&gt;Project Cost Estimate: $4,589,271</td>
<td>$4,589,271</td>
</tr>
<tr>
<td>Carbon Creek Channel (FY 2019-2020)</td>
<td>Western Avenue to Dale Avenue channel improvements&lt;br&gt;&lt;br&gt;Location: Southwest Anaheim&lt;br&lt;br&gt;Project Cost Estimate: $30,016,450</td>
<td>$30,016,450</td>
</tr>
<tr>
<td>Carbon Creek Channel (FY 2020-2021)</td>
<td>Gilbert Street to Euclid Street channel improvements&lt;br&gt;&lt;br&gt;Location: Anaheim&lt;br&lt;br&gt;Project Cost Estimate: $33,029,946</td>
<td>$33,029,946</td>
</tr>
<tr>
<td>Brea Boulevard and Brea Canyon Road Widening (FY 2021-2022)</td>
<td>Roadway widening and replacement of three bridges&lt;br&gt;&lt;br&gt;Location: Brea&lt;br&lt;br&gt;Project Cost Estimate: $52,924,984</td>
<td>$52,924,984</td>
</tr>
<tr>
<td>Yorba Linda Boulevard Raised Median (FY 2022-2023)</td>
<td>Install medians on Yorba Linda Boulevard&lt;br&gt;&lt;br&gt;Location: Placentia&lt;br&lt;br&gt;Project Cost Estimate: $1,521,000</td>
<td>$1,521,000</td>
</tr>
<tr>
<td>El Cajon IUCP Segment D (FY 2021-2022)</td>
<td>Construct 1.1 miles of a Class I bikeway&lt;br&gt;&lt;br&gt;Location: Brea&lt;br&lt;br&gt;Project Cost Estimate: $8,663,000</td>
<td>$8,663,000</td>
</tr>
<tr>
<td>Coyote Creek (DC Loop Segment 0) (FY 2021-2022)</td>
<td>Construct approximately 0.6 miles of a Class I bikeway&lt;br&gt;&lt;br&gt;Location: Buena Park, portion of LA County&lt;br&lt;br&gt;Project Cost Estimate: $7,712,839</td>
<td>$7,712,839</td>
</tr>
<tr>
<td>Coyote Creek (DC Loop Segment P) (FY 2022-2023)</td>
<td>Construct approximately 0.6 miles of a Class I bikeway&lt;br&gt;&lt;br&gt;Location: Buena Park, portion of LA County&lt;br&lt;br&gt;Project Cost Estimate: $9,193,795</td>
<td>$9,193,795</td>
</tr>
<tr>
<td>Coyote Creek (DC Loop Segment 0) (FY 2022-2023)</td>
<td>Construct approximately 0.6 miles of a Class I bikeway&lt;br&gt;&lt;br&gt;Location: Buena Park, portion of LA County&lt;br&lt;br&gt;Project Cost Estimate: $9,350,366</td>
<td>$9,350,366</td>
</tr>
</tbody>
</table>

## Fifth District

<table>
<thead>
<tr>
<th>Project</th>
<th>Description</th>
<th>Estimated Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Houston Storm Channel Deficient Culvert Crossings (FY 2023-2024)</td>
<td>Improvements to allow the channel reach to convey a 100-year storm&lt;br&gt;&lt;br&gt;Location: Anaheim&lt;br&lt;br&gt;Project Cost Estimate: $4,390,000</td>
<td>$4,390,000</td>
</tr>
<tr>
<td>San Juan Creek Channel, Invert Stabilization Phase I (FY 2020-2021)</td>
<td>First phase of an eight phase project to increase the capacity of the channel&lt;br&gt;&lt;br&gt;Location: San Juan Capistrano&lt;br&lt;br&gt;Project Cost Estimate: $39,981,563</td>
<td>$39,981,563</td>
</tr>
<tr>
<td>Antonio Parkway and Crown Valley Parkway (FY 2021-2022)</td>
<td>Pavement rehabilitation project&lt;br&gt;&lt;br&gt;Location: Las Flores, Ladera Ranch&lt;br&lt;br&gt;Project Cost Estimate: $460,000</td>
<td>$460,000</td>
</tr>
<tr>
<td>Cool Camp Road Segment 1 (Phase 1C) (FY 2022-2023)</td>
<td>Construct road from Antonio Parkway to F Street&lt;br&lt;br&gt;Location: Rancho Santa Margarita&lt;br&lt;br&gt;Project Cost Estimate: $30,000,000</td>
<td>$30,000,000</td>
</tr>
<tr>
<td>Avenida Pico Class I Bikeway (FY 2022-2024)</td>
<td>Construct a 0.54 mile long paved Class I bikeway&lt;br&lt;br&gt;Location: San Clemente&lt;br&lt;br&gt;Project Cost Estimate: $4,390,000</td>
<td>$4,390,000</td>
</tr>
<tr>
<td>Segunda Deshecheo Channel (MO2) Class I Bikeway (FY 2023-2024)</td>
<td>Construct a 0.5 mile long Class I bikeway that will connect to a new section of the coastal Class I bikeway under construction along Pacific Coast Highway&lt;br&lt;br&gt;Location: San Clemente&lt;br&lt;br&gt;Project Cost Estimate: $2,634,000</td>
<td>$2,634,000</td>
</tr>
<tr>
<td>Laguna Canyon Road-Stage 4, Phases II to IV Project (FY 2022-2023)</td>
<td>Widen shoulder to facilitate a bike lane and underground utilities&lt;br&lt;br&gt;Location: Unincorporated Orange County&lt;br&lt;br&gt;Project Cost Estimate: $23,826,407</td>
<td>$23,826,407</td>
</tr>
</tbody>
</table>
Capital Improvement Program – Funding

7-YEAR CIP FUNDING SOURCES FY 2017/18-2023/24

OC Flood: $487,535,298
OC Road: $280,987,242
Bikeways: $78,781,965

7-Year Total: $847,304,505
Completed Projects of Fiscal Year 2016-2017

Airport Storm Channel
Completed: June 2017
Project Cost Estimate: $272,239

Glassell Campus Low Impact Development
Completed: December 2016
Contract Award: $3,980,474
Completed Projects of Fiscal Year 2016-2017

Lower Santa Ana River Sand Management Project
Completed: May 2017
Project Cost Estimate: $20,000,000

La Pata Extension Project, Schedule A
Completed: August 2016
Contract Award Price: $57,123,241
Completed Projects of Fiscal Year 2016-2017

Greenville-Banning Channel
Completed: June 2017
Contract Award: $5,627,129

Santa Ana Gardens Bikeway
Completed: February 2017
Contract Award: $722,000
SB1 Projects

- Roadway Maintenance
  - Anaheim Islands
  - Buena Park Islands
  - Dana Point Harbor
  - Midway City
  - Modjeska Canyon
  - Olive Heights
  - Orange Park Acres
  - Santiago Canyon
  - Silverado Canyon
- Live Oak Canyon Road and Trabuco Canyon Road Safety Improvements
- Hospital Frontage Road and Justice Center Way Pavement Rehabilitation
- North Tustin - Traffic Signal Upgrades
SB1 Projects

- Bridge Maintenance
  - Santiago Canyon Road over Santiago Creek
  - Santa Ana Avenue over Santa Ana Delhi Channel
  - Crown Valley Parkway over Arroyo Trabuco
  - Warner Avenue over Santa Ana River Channel
  - Brea Blvd Bridges over Brea Creek
  - Slater Avenue/Segerstrom Ave over Santa Ana River
  - Santiago Canyon Road Bridge over Williams Canyon Creek
  - Silverado Canyon Road Bridge over Silverado Creek, 55C0179
  - Silverado Canyon Road Bridge over Silverado Creek, 55C0181
  - Thisa Way Bridge over Silverado Creek
  - Kitterman Drive Bridge over Silverado Creek
2017 Department Accomplishments

1. **Improved Delivery of Capital Improvement Projects**
   - Substantially completed construction of the new OC Animal Care Facility
   - Completed Phase 1 of the County’s “Bridges at Kraemer Place” (the County’s first year-round homeless facility)
   - Completed the Dana Point Harbor Intersections Improvement Project
   - Substantially progressed construction of the La Pata Avenue Project widening phase (Schedule B)
   - Completed the Lower Santa Ana River Sand Management Project
   - Completed major site construction for the Central Utility Facility Infrastructure Upgrades Project
   - Demolished the former Building 16 & commenced construction on the new Building 16 development project (first phase of the County’s 20-year Civic Center Facilities Strategic Plan)
2017 Department Accomplishments

2. Increased Efficiencies Through Technology & Systems Integrations

- Procured a Project Information Management System (PIMS) to managed the County’s $700 million capital improvement program
- Procured a Grants Management Software Solution
- Made substantial progress on the implementation of the Land Management System to electronically process development services requests
3. Enhanced Customer Service & Branding

- Launched the Customer Relationship Management System accessible at the MyOCeServices portal (http://myoceservices.ocgov.com) allowing the public to submit/track service requests on a 24/7 basis

- Facilitated a Geographic Information Systems (GIS) upgrade for the County’s “Open Gov” portal to allow enhanced public access to information

- Installed telematics equipment on all eligible light duty vehicles throughout the County

- Executed a service level agreement with the OC Sheriff’s Department for enforcement support within the Flood Control District facilities
Other 2017 Department Accomplishments

- Completed horizontal construction projects valued at $102 million and continue managing $81 million in projects.
- Completed energy efficiency upgrades to County facilities resulting in $390,000 in annual savings and captured $600,000 in utility account savings through an enhanced auditing program.
- Implemented vehicle standardizations and “right-sizing” for the fleet of over 20 departments producing projected savings of over $1 million.
- Received “A” grades from Heal the Bay for 95% of the County’s 117 beaches.
- Completed annual update to the produce the 2017 Design & Construction Procurement Policy Manual.
- Enhanced County communities by repairing nearly 15,000 sf. of sidewalk, performing over 2,700 tree trimmings, removing over 1.6 million sf. of graffiti, capturing over 9,200 tons of debris from flood channels/storm drains, removed over 1,200 fallen trees, replaced 2,400 signs, swept over 15,000 curb miles and restriped 84,480 linear feet.
- Processed over 13,100 development permits and completed over 38,500 building inspections.
- Facilitated a County ordinance to prohibit commercial cannabis activity.
2018 Department Goals

1. **Increase Customer Service Efficiencies Through Technology:**
   - Complete indexing of 90% of Net County Cost real estate assets (representing 50% of the Centralized Maintenance Management System implementation)
   - Complete a GIS based condition assessment tool for Orange County Flood Control District Facilities
   - Complete development of training programs and initiate the public outreach campaign for the Land Management System
2018 Department Goals

2. **Enhance The Built Environment Through Infrastructure:**
   - Complete all building elements for the “Bridges at Kraemer Place” facility
   - Complete construction of structural elements for the new Building 16 project
   - Complete all elements the Central Utility Facility Infrastructure Upgrades Project
   - Complete Federal Emergency Management Agency approved repairs from the 2017 storms
   - Facilitate construction award of 45% of FY 18/19 horizontal capital improvement projects
   - Complete access equipment upgrades at all parking facilities
   - Encumber 90% of programmed funding for, and construct 70% of, FY 17/18 SB1 Pavement Maintenance Projects
   - Encumber 85% of programmed funding for, and construct 50% of, the FY 17/18 maintenance improvement program projects
2018 Department Goals

3. **Improve Quality of Life Elements Through Policy Efforts:**
   - Complete comprehensive Orange to Green Zoning Code update for Planning Commission consideration
   - Update and combine Northern & Central County Integrated Regional Water Management Plans
   - Complete the Countywide Policy on Vehicle Telematics (Phase 2) sustainability & safety features
Welcome! How may we serve you today?

Search for answers to questions or find updates to a Service Request.

- Service Request
- Permits (Coming Soon!)
- Information
- myOC eServices Account
- Service Request Map
- Make Payments (Coming Soon!)
Questions?

Thank you for your time!
ADMINISTRATIVE SERVICES leads the financial, administrative and information technology operations for OC Public Works. This includes management of policies and procedures, strategic financial planning, budget and payroll, goods and services procurement, public record requests, parking and building administration and information technology services.

All eighteen budgets were approved for the 2015-2016 fiscal year. Administrative Services submitted and obtained funding for approximately $498.3 million, with $121 million for capital improvement projects.

ADMINISTRATIVE SERVICES:

- **Accounting Services** – Oversees billing, payroll and auditing for infrastructure, development services and general accounting.
- **Finance Services** – Builds budgets, establishes and updates fees and encumbrance and job code review.
- **Procurement Services** – Obtains contracts for construction, design, services and commodities.
- **Business Services** – Manages the daily operation of office spaces, countywide building access document management and parking facilities.
- **Centralized Quality Assurance** – Oversees departmental services, employee services, compliance services and strategic services.
- **OC Information Tech Services (OCIT)** – Supports County agencies and departments with their information technology needs.

**FUN FACT!**

Administrative Services is the foundation of the agency and works on every project that comes through the door. The diversity of Administrative Services ranges from Road and Flood to Weights and Measures.

**SERVICE AREA GOAL**

Deliver 100% of Request for Proposals for internal County processes in less than 6 months.

H.G. OSBORNE BUILDING - HEADQUARTERS
300 N. Flower Street
Santa Ana, CA 92703

Phone (714) 667-8800
www.OCpublicworks.com
Facebook OCpublicworks
Twitter @OCpublicworks
For FY 2015-2016, Finance Services submitted and obtained approval for OC Public Works budgets totaling over $498M with $121M dedicated for capital improvement projects.

1,000
Offsite parking cards and Parking cards audited

5,600
Employee ID cards audited

Access Control Systems initiated the planning phase to upgrade

11
OC Sheriff Facilities

32
OC Community Resources Facilities

3,718
parking keycard requests

10,210
card access requests

Prepared over 400 journal entries to ensure the County's books accurately reflected activity for the fiscal year.

Completed over 4,000 technology service requests.
**OC DEVELOPMENT SERVICES** oversees the planning and development entitlement requirements for private and public projects within the County’s unincorporated areas. This includes permit processing, inspection services and management of zoning, building and code regulations – all to ensure safe and responsible property development and community standards.

This service area implemented the Neighborhood Preservation Program which increased the response rate of clean-up and safety requests from 578 in 2013 to 969 in 2015.

**OC DEVELOPMENT’S CORE SERVICES:**

- **Inspection Services** – Provides professional building inspection, grading inspection, subdivision and encroachment inspection services for the unincorporated areas of Orange County.
- **Land Development** – Manages the County’s role in the planning, design, financing, plan checking and construction of master planned communities, including public and privately owned flood control facilities, highways, streets and all related infrastructure built or funded by master developers.
- **Planning** – Serves the general public, residents, developers, business community, and other county departments to ensure consistency with the general plan, zoning code and other requirements mandated by local, state, and federal regulations.
- **Permitting** – Provides professional and timely service in order to assist customers with the development process.
- **Building and Safety** – Ensure public safety by reviewing, monitoring, and approving building plans, grading plans, water quality management plans and geotechnical reports. In addition, deliver community code enforcement services through the Neighborhood Preservation division.

**FUN FACT!**

OC Development earned the Red Carpet and National Recognition awards for the Gobernadora Multi-Purpose Basin.

**SERVICE AREA GOAL**

Increase over the counter permit processing by **25%**
OC Development Services 2017

11,049 building & grading permits initiated

37,038 building inspections completed in 2015

17 final subdivision tract maps for new developments recorded

Neighborhood Preservation Program responded to request that have been increased by 67% from 578 in 2013 to 969 in 2015.

Issued permits for the 120,000 sq ft Ladera Sports Center

9,553 permits issued with a total building valuation of $350,820,160 within the last 12 months

1,334 homes Reviewed and approved Planning Area 1 of Rancho Mission Viejo

2,700 homes Approved and partially delivered in Planning Area 2 of Rancho Mission Viejo

1,820 encroachment & transportation permits initiated and processed

271 discretionary permits reviewed and processed

$7M in general fund savings

Issued permits for the $14M John Wayne Airport Seismic Strengthening Project
OC CONSTRUCTION delivers construction management services for capital improvement projects for Orange County, such as flood control facilities, new roadways and road improvements. This includes management of construction contractors and operating the County’s Materials Laboratory.

In 2015, OC Construction managed 41 Job Order Contracts for road and flood projects. The service area also completed road, bridge, flood control and bikeway projects that totaled $137 million.

OC CONSTRUCTION'S CORE SERVICES:

- **Construction Management** – Provides services for County funded infrastructure projects, including administering public works contracts and providing inspection services.
- **Materials Lab** – Provides geotechnical engineering, pavement analysis, acceptance testing, and quality assurance of construction materials for capital improvement projects, maintenance programs and development activities for the County of Orange and other agencies.
- **Special Projects** – Manages the quality of roadway surfaces in unincorporated county areas through the Pavement Management Systems and delivers infrastructure projects through the Job Order Contracting (JOC) Program.

**FUN FACT!**

OC Construction implemented Job Order Contracting (JOC) for countywide maintenance projects to accomplish a large number of construction projects with a single bid contract.

**SERVICE AREA GOAL**

Maintain a Pavement Condition Index (PCI) rating of 75 for County roads.
Completed road, bridge, flood control and bikeway projects totaling over $43M.

$10.6M total of Job Order Contracts for road projects.

$4.6M total of Job Order Contracts for flood projects.

3,100 tons of asphalt used in the Lincoln Avenue Widening Project.

Edinger Avenue Bridge Widening Project: Construction cost of $6M.

35 Job Order Contracts managed for road and flood projects.

15,500 square feet of paint used for road striping.

East Garden Grove - Wintersburg Channel Improvement Project increased the capacity of storm water conveyance in the improved reaches to the 100 year flood design standard.

Haster Retarding Basin and Pump Station and Recreational Field Project increased basin storage, creating a total capacity of 86 million gallons of water.
OC ENVIRONMENTAL RESOURCES manages the OC Watersheds and OC Agricultural Commissioner Sealer of Weights and Measures programs, which protect public health and safety, promote environmental quality, certify consumer weights and measures, and sustain business competitiveness through education, regulation and collaborative regional programs.

OC Environmental Resources was awarded $250,000 in grant funds to improve flood protection in Orange County by upgrading the ALERT flood warning system. Improvements include replacing network sensors and equipment to process data for more accurate predictions.

OC WATERSHEDS PROGRAM'S CORE SERVICES:
- Watershed Projects – Coordinates watershed planning efforts and develops large-scale surface water quality projects.
- Data Management & Assessment – Collects, manages and assesses water quality, hydrologic and meteorological data.
- Stormwater Quality – Protects and promotes improvement in local creeks and beaches, while attaining countywide compliance with state and federal water quality regulations.

OC AGRICULTURAL COMMISSIONER SEALER OF WEIGHTS AND MEASURES’ CORE SERVICES:
- Agricultural Services – Prevents invasive pests and certifies the safety of plant shipments arriving in Orange County.
- Pest Management – Enforces pesticide use regulation and conducts pesticide-related illness investigations and weed abatement activities.
- Weights and Measures – Inspects and certifies commercial weighing measuring devices and investigates complaints.

FUND FACT!
A 24-hour Water Pollution Hotline is available to report spills at 877-89-SPILL.

The Agricultural Commissioner of Sealer/Weights has a complaint line where consumers can call-in about violations at 714-955-0100.

SERVICE AREA GOAL
100% of consumer complaints and water pollution hotline reports are to be investigated within 1 business day.
OC Environmental Resources 2017

130 sensors at 80 locations
operates the ALERT flood warning system

154,372 weighing and measuring devices certified

691 fueling stations certified

22,123 retail checkout/price scanners certified

Administered $37M in grant funds from Prop 50 & 84 providing funding for over $229M of integrated water resources projects

Verifies all locally grown produce in over 40 farmers markets throughout Orange County

Performed 53,288 laboratory analyses to assess environmental conditions of Orange County Waters

Inspected over 660 insect traps biweekly and 2,400 shipments for the control of Pierce’s Disease, trapping 598 Glassy-winged Sharpshooters, a known insect threat to California agriculture

Conducted 4,133 inspections of pest control firms and other businesses that use pesticides

529 safety violations revealed

Investigated 75 incidents of alleged unsafe pesticide use

Collaborates with 192 municipals, water districts and other partners on local and regional water quality improvements projects and programs
OC FACILITIES DESIGN & CONSTRUCTION provides professional architectural and engineering related services in support of capital projects and programs for various County agencies, as well as providing county-wide regulatory compliance services and managing the janitorial and custodial services in County buildings throughout the Civic Center campus.

OC Facilities Design and Construction was assigned to plan the construction of the new $35 million dollar Animal Shelter, which will feature over 200 climate controlled dog kennels, an enhanced cat housing area, and a dedicated pet adoption area for new owners.

OC FACILITIES DESIGN & CONSTRUCTION'S CORE SERVICES:

- **Project Management** – Partners with a variety of stakeholders in addition to County departments and staff, including architectural and engineering firms, contractors, and suppliers.
- **Regulatory Compliance** – Provides county-wide regulatory services to all facilities including conducting annual and monthly inspections, testing underground and above-ground fuel storage tanks, boilers, generators and fuel dispensing pumps.
- **Custodial Unit** – Provides janitorial and custodial services in County buildings throughout the Civic Center Campus.

**FUN FACT!**

The $23.5 million Juvenile Hall Multipurpose Rehabilitation Center was produced with collaboration between OC Facilities Design and Construction, and OC Probation.

**SERVICE AREA GOAL**

Deliver projects 85% on time on all project phases in the County
OC Facilities Design & Construction

- **8** Master Agreements for On-Call Architect-Engineer firms for Professional Specialty Services

- **Completed 34** design/construction Capital Projects at **24 County Facilities**

- **Passed**
  - 137 Monthly Inspections
  - 15 Annual Inspections
  - 3 Secondary Containment Tests

- **Manage over 150 individual contracts for 11 client departments with a construction value of over $180 million dollars**

- **$68 M**

- **Central Utility Facility Project**

Plans to replace equipment & 47-year old chilled water pipes to enhance efficiency, safety, and reliability of the Civic Center Campus utility services
OC FACILITIES MAINTENANCE & CENTRAL UTILITY FACILITY ensures the efficient and innovative operation of County facilities through maintenance management services, after-hours emergency support, building automation and utility management. A major component is the Central Utility Facility (CUF), a combined heat and power facility that provides cooling, heating and/or electricity to 23 buildings within the Santa Ana Civic Center area.

The Central Utility Facility opted for cogeneration, which capitalizes on waste fumes to generate additional energy, increasing efficiency and effectiveness. The plant produces up to 10,400 Kilowatts of electricity, which is used to power the Civic Center Campus.

OC FACILITIES MAINTENANCE & CENTRAL UTILITY FACILITY'S CORE SERVICES:

- **Utilities and Engineering Unit** – Ensures production of electricity for $0.11 KWh.
- **Building & Automation Unit** – Provides utility management for 215 facilities, totaling over 9 million square feet.
- **Repair and Preventative Maintenance** – Oversees proper operation and repair of OCPW facilities and provides after-hours emergency services.
- **Consultation and Project Scoping** – Consults for a broad spectrum of clients including other County departments and agencies located in buildings owned or leased by the County.

FUN FACT!

The generator within the Central Utility Facility (CUF) is the only known governmental campus in California to use cogeneration to power governmental buildings, including a jail facility.

SERVICE AREA GOAL

Process **100%** of all work requests within 24 hours of receiving requests.
Cogeneration Explained:
Cogeneration is the simultaneous production of electricity and heat. Did you know that cogeneration is used for heating and cooling most government facilities in the Civic Center?

The turbines are filled with 2.3 million cubic feet of air per hour

In 2015, the CUF produced 31 million pounds of steam per month

Chillers
The CUF produces, 770 million BTU of chilled water per month

Heat Recovery Steam Generator

The generator can produce up to 10,400 kW of energy

Exhaust gases recovered from the electrical generator reach up to 1000°F

The CUF took a combined 159,000 hours to build!
Roughly one lifetime.

The CUF can cool up to 6,400,000 square feet at the Civic Center Campus

Reduced emissions by the CUF is equivalent to taking 2,500 cars off the road

41 miles of new electrical wire installed at the Civic Center Campus

3 miles of new piping distributes steam and chilled water to heat and cool most government facilities in the Civic Center
OC FLEET SERVICES delivers vehicle management services to over 3,000 County-owned vehicles and equipment in County agencies and departments. This includes general maintenance, repair services and managing enforcement of vehicle rules and regulations.

OC Fleet Services reduced the number of county vehicle makes and models from 100 to 13 by developing and implementing vehicle specification standards. These vehicles are required to undergo manufacturer recommended preventative maintenance schedules, enforced by Fleet Services, to ensure all county-owned vehicles operate at the highest levels of efficiency.

**OC FLEET’S CORE SERVICES:**

- **Maintenance and Repair Services** – Provides repair services to over 3,000 County-owned vehicles and equipment.
- **Air Quality Regulations** – Oversees the County’s Green Fleet Program, and manages vehicle and equipment compliance with the Air Quality Management District (AQMD) regulations.
- **Fuel Program** – Administers the operation of two County fuel stations and one Compressed Natural Gas (CNG) station.
- **Vehicle Operations** – Enforces vehicle rules and regulations to ensure that County vehicles are operated safely and efficiently.

**FUN FACT!**

OC Fleet won the Automotive Service Excellence (ASE) Blue Seal Award. The award is given to maintenance garages that meet stringent criteria which includes technician’s skill level, training, safety and tooling.

**SERVICE AREA GOAL**

Ensure 95% availability on all County vehicles in the fleet.

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(714) 667-8800  www.OCpublicworks.com  /OCpublicworks  @OCpublicworks
OC Fleet Services

- Purchased, commissioned, and placed into service over 120 public safety emergency vehicles.
- Average Total Mileage: 47,414 for all department vehicles.
- Total hours of training mechanics receive per year: 661.
- OC Sheriff Coroner: 925 vehicles.
- John Wayne Airport: 65 vehicles.
- OC Public Works: 382 vehicles.
- Social Services Agency: 23 vehicles.
- District Attorney: 31 vehicles.
- Probation: 23 vehicles.
- Health Care Agency: 37 vehicles.
- OCCR/Parks: 252 vehicles.
- OC Fleet Services: 155 vehicles.

Implemented vehicle specification standards countywide that reduced the number of makes/models from 100 to only 13 standard models.

The County owns approximately 3,000 light, medium, and heavy duty vehicles with a replacement value in excess of $100M. 1,100 of these vehicles are sheriff and specialty units.
OC INFRASTRUCTURE manages the road and flood control programs in unincorporated areas throughout Orange County. This includes the engineering, programming, design, policy development and recommendations, project development and management and project delivery support services.

In the last year, OC Infrastructure issued 30 contracts in support of flood and road capital improvement projects valued at over $100 million. This includes completing 238 out of 354 miles of master-planned riding and hiking trails.

OC INFRASTRUCTURE’S CORE SERVICES:

- **Funding Services** – Secures funding to implement the County’s Master Plan of Arterial Highways, bridges and other roadway improvement projects.
- **Design Services** – Manages the design and construction of the County’s horizontal infrastructure, channels, storm drains, dams, pump stations and other drainage related facilities.
- **Traffic Safety Services** – Implements signal operations and conducts traffic investigations in unincorporated areas of Orange County.
- **Regional Flood Control Projects** – Coordinates with floodplain management services such as the Federal Emergency Management Act (FEMA) and other agencies on behalf of the Orange County Flood Control District.
- **Permit Review Services** – Reviews permits for private use of public roadway or for modification.

**FUN FACT!**
Currently, OC Infrastructure staff includes a variety of diverse backgrounds which includes biologists, engineers, and administrative support.

**SERVICE AREA GOAL**
Award 90% of all Capital Improvement Program projects
30 contracts for road and flood design in the last year

250 County Property Permit submittals reviewed each year on average

1965 The County started work building and completing its network of trails - the work continues to this day.

$115 M budget for project management and design services for capital projects

Traffic Management Center aims to reduce emergency response time by 30%

The Community Rating System saved homeowners 20% on flood insurance premiums in unincorporated areas

The County’s Master Plan of Regional Riding and Hiking Trails includes 54 distinct natural-surface trails varying in length from one mile to over 28 miles.
OC OPERATIONS & MAINTENANCE enhances and protects communities through improvements and maintenance of public infrastructure, while serving a critical role in responding to the needs of the public in the aftermath of devastating earthquakes, fires, storm events and other general emergencies. OC Public Works supports the O&M activities for the contracted cities of Mission Viejo and Dana Point.

In 2015, OC Operations & Maintenance reduced $3.5 million of overhead and labor costs by integrating inmate labor as a supplemental labor force.

OC OPERATIONS & MAINTENANCE'S CORE SERVICES:

- **City Contract Services** – Manages graffiti abatement, weed abatement, surveying, traffic operations and street maintenance and job order contracts.
- **General Maintenance Services** – Oversees general services such as sign fabrication, workforce labor and welding.
- **Infrastructure Management Programs** – Provides services involving confined spaces, contracts and inspection services.
- **Equipment Operations** – Provides various services, including construction and heavy equipment services.

**SERVICE AREA GOAL**

Achieve a daily production rate of no less than 90% of the planned average daily production rate for the County’s major maintenance activities.
Removed & replaced 2,000 Roadway Signs

Maintains 320 miles of roadways in unincorporated areas

Cleans approximately 2,500 catch basins 3 times a year, equalling 4,500 tons of trash, to ensure the drains are free of trash and debris which can hinder efficiency of storm water runoff

110,693 sq ft of roadway restriped

Oversees 380 miles of regional flood control channels

Addressed over 900 resident requests and had a 100% response rate within 48 hours

Utilized over 1.1 miles of temporary rubber dams to prepare for the 2016 El Nino

989 sq ft curb miles swept twice a month

11,000 of sidewalk repairs and replacements

6,200 tree trimmings performed

523 fallen trees removed from obstructing public facilities

Cleared nearly 422,220 feet of channels

Removed and replaced 30,000 sandbags along Canyon Roads across Orange County

Over 1.7 million square feet of graffiti removed or covered in the last year
**OC SURVEY** provides innovative surveying and mapping services that support the public’s land-use needs and the design and construction of land development projects throughout the county. This includes supporting the acquisition of disposition of property and maintenance of land information and geographic information systems (GIS) for all parcels within the county.

OC Survey uses the Cadastral Base Map, which is recognized as one of the most accurate spatial location databases in the State of California. OC Survey in conjunction with the California Spatial Reference Center operates 11 GPS stations in and around Orange County, which allow them to achieve centimeter accurate locations anywhere in the County.

**OC SURVEY’S CORE SERVICES:**

- **Map Checking & Right-of-Way Services** – Oversees subdivision map checking, public services survey records, boundary analysis, and annexations. Processes real property transactions, determines parcel boundaries and acreage, prepares and reviews legal descriptions and maps, reviews and assesses existing title matters, and maintains a public service counter and real estate property records.

- **Geospatial Services** – Manages land information systems, geodetic control and G.I.S. and landbase mapping.

- **Field Services** – Manages alignment analysis and various surveys such as cadastral surveys, claims investigation surveys, construction survey deformation Surveys, GPS Surveys and high definition Surveys.

**FUN FACT!**

The Cadastral Base Map used by OC Survey is recognized as one of the most accurate spatial location databases in the State of California.

**SERVICE AREA GOAL**

Deliver 100% of Request for Proposals for internal County processes in less than 6 months
Operates 11 GPS stations in and around Orange County.

1,082 addresses issued in unincorporated areas of Orange County.

Performed 27 field surveys 2015-2016.

Reviewed and approved 2,897 corner records.

Land Information System (LIS) contains 685,000 legal parcels for all of Orange County.

Reviewed Tract maps 146
Recorded Tract maps 124
Reviewed Parcel maps 59
Recorded Parcel maps 63
Reviewed Records of Surveys 251
Recorded Records of Surveys 209

OC Survey 2017