

City of Orange 2013-2014 to 2019-2020 Seven Year Capital Improvement Program

Section Contents

Fire

| Project Number | Program Number | Project Name | Project Manager | Category | Page |
|-----------------------|-----------------------|--------------------------------|------------------------|-----------------|-------------|
| 12506 | 3021 | Body Armor | Dennis Cole | Safety | 51 |
| 12540 | 3021 | Thermal Image Cameras | Dennis Cole | Safety | 52 |
| 12955 | 3021 | Mobile Data Computers | Dennis Cole | Safety | 53 |
| 20105 | 3022 | Auto Pulse Machine Replacement | Dennis Cole | Safety | 54 |
| 20106 | 3022 | Defibrillator Replacement | Dennis Cole | Safety | 55 |
| 20107 | 3021 | New Fire Station 2 | Dennis Cole | Safety | 56 |
| 20165 | 3021 | 800 MHz Radio Replacement | Dennis Cole | Safety | 57 |
| 20166 | 3022 | EMS Gurney Replacement | Dennis Cole | Safety | 58 |
| 20167 | 3021 | Security Gates - Fire H.Q. | Dennis Cole | Safety | 59 |
| 20169 | 3022 | WMD-DUODOTE Auto Injectors | Dennis Cole | Safety | 60 |
| 20171 | 3022 | EPCR Replacement Program | Dennis Cole | Safety | 61 |



This page intentionally left blank



PROJECT 12506
Body Armor

Account No: (Fund)-3021-56032-12506

Program: 3021 Fire Suppression
Department: Fire
Project Manager: Dennis Cole
Manager Title: Admin. Captain
Project Description:

General Plan Element: Public Safety
Estimated Completion Date: Continuous
Environmental Status: Not Applicable

Replacement program for body armor. The project objective is to provide fire suppression personnel with ballistic head and body protection during "active shooter" and "civil disturbance" type responses. FY 13-14 purchase ballistic protective helmets for 36 post positions and 6 staff positions with useful life of ten years, and purchase 42 Individual First-Aid Kits (IFAK) to be utilized during "Active Shooter" events. Fire Personnel wearing body armor need to be equipped with IFAKs as part of the OC Annex Plan. FY 14-15 replaces the fire department's stock of ballistic vests with useful life of six years. Last replacement of vests: FY 08/09.

| COST SUMMARY | |
|--------------------------------|-----------------|
| Life-to-Date Expenditures | \$26,975 |
| 12/13 Budget + 11/12 CarryOver | \$0 |
| Carry Over + 7 Year Total | \$71,300 |
| +) Project Total | \$98,275 |

| <i>Purchase</i> | CarryOver | 13-14 | 14-15 | 15-16 | 16-17 | 17-18 | 18-19 | 19-20 | Total |
|-----------------------|------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 120 Proposition 172 | \$10,000 | \$11,300 | \$50,000 | - | - | - | - | - | \$71,300 |
| SUBTOTAL | \$10,000 | \$11,300 | \$50,000 | - | - | - | - | - | \$71,300 |
| YEAR TOTAL | \$10,000 | \$11,300 | \$50,000 | - | - | - | - | - | \$71,300 |



PROJECT 12540
Thermal Image Cameras

Account No: (Fund)-3021-56032-12540

Program: 3021 Fire Suppression

Department: Fire

Project Manager: Dennis Cole

Manager Title: Admin. Captain

Project Description:

Six-year replacement program for Thermal Imager Cameras. The project objective is to maintain a reliable and serviceable stock of TICs in the Fire Department. Useful life of current TICs is six years. The new cameras replace the older units, which after repairs over the years gradually lose their effectiveness. In some cases, the needed parts for repairs are no longer supported by the manufacturer.

General Plan Element: Public Safety

Estimated Completion Date: Continuous

Environmental Status: Not Applicable

COST SUMMARY

Life-to-Date Expenditures

\$192,931

12/13 Budget + 11/12 CarryOver

\$0

Carry Over + 7 Year Total

+) \$275,547

Project Total

\$468,478

| <i>Purchase</i> | CarryOver | 13-14 | 14-15 | 15-16 | 16-17 | 17-18 | 18-19 | 19-20 | Total |
|-----------------------|------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 120 Proposition 172 | \$25,547 | - | \$250,000 | - | - | - | - | - | \$275,547 |
| SUBTOTAL | \$25,547 | - | \$250,000 | - | - | - | - | - | \$275,547 |
| YEAR TOTAL | \$25,547 | - | \$250,000 | - | - | - | - | - | \$275,547 |



PROJECT 12955
Mobile Data Computers

Account No: (Fund)-3021-56032-12955

Program: 3021 Fire Suppression
Department: Fire
Project Manager: Dennis Cole
Manager Title: Admin. Captain
Project Description:

General Plan Element: Public Safety
Estimated Completion Date: Continuous
Environmental Status: Not Applicable

Replace twenty-six mobile data computers (MDC) every three years. MDC technology is continuously being improved and updated. MDCs require periodic replacement in order to maintain compatibility with dispatch centers, GPS vehicle locators (AVL), and portable notebooks.

| COST SUMMARY | |
|--------------------------------|------------------|
| Life-to-Date Expenditures | \$0 |
| 12/13 Budget + 11/12 CarryOver | \$0 |
| Carry Over + 7 Year Total | |
| +) | \$702,000 |
| Project Total | |
| | \$702,000 |

| <i>Purchase</i> | CarryOver | 13-14 | 14-15 | 15-16 | 16-17 | 17-18 | 18-19 | 19-20 | Total |
|-----------------------|------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 120 Proposition 172 | \$234,000 | - | - | \$234,000 | - | - | \$234,000 | - | \$702,000 |
| SUBTOTAL | \$234,000 | - | - | \$234,000 | - | - | \$234,000 | - | \$702,000 |
| YEAR TOTAL | \$234,000 | - | - | \$234,000 | - | - | \$234,000 | - | \$702,000 |



PROJECT 20105
Auto Pulse Machine Replacement

Account No: (Fund)-3022-56030-20105

Program: 3022 Paramedics
Department: Fire
Project Manager: Dennis Cole
Manager Title: Admin. Captain
Project Description:

General Plan Element: Public Safety
Estimated Completion Date: On-going
Environmental Status: Not Applicable

Replace four Auto-Pulse Machines every five years. The project objective is to maintain a reliable and serviceable stock of APMs in the fire department. Useful life of current APMs is five (5) years. The new machines replace the older units, which after repairs over the years gradually lose their effectiveness. In some cases, the needed parts for repairs are no longer supported by the manufacturer.

| COST SUMMARY | |
|--------------------------------|------------------|
| Life-to-Date Expenditures | \$0 |
| 12/13 Budget + 11/12 CarryOver | \$0 |
| Carry Over + 7 Year Total | |
| +) \$161,250 | |
| Project Total | |
| | \$161,250 |

| <i>Purchase</i> | CarryOver | 13-14 | 14-15 | 15-16 | 16-17 | 17-18 | 18-19 | 19-20 | Total |
|-----------------------|------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 120 Proposition 172 | - | - | \$75,000 | - | - | - | - | \$86,250 | \$161,250 |
| SUBTOTAL | - | - | \$75,000 | - | - | - | - | \$86,250 | \$161,250 |
| YEAR TOTAL | \$0 | - | \$75,000 | - | - | - | - | \$86,250 | \$161,250 |



PROJECT 20106
Defibrillator Replacement

Account No: (Fund)-3022-56030-20106

Program: 3022 Paramedics
Department: Fire
Project Manager: Dennis Cole
Manager Title: Admin. Captain
Project Description:

General Plan Element: Public Safety
Estimated Completion Date: On-going
Environmental Status: Not Applicable

Replace fourteen paramedic cardiac defibrillators every 5 years. The current units in service were purchased in FY 06-07. Cardiac Defibrillators require annual testing and calibrating by the manufacturer to assure proper function. Using properly maintained units protects the Fire Department, and ultimately the City, from potential litigation. When a unit extends beyond its useful life, it becomes increasingly difficult and cost prohibitive to have the unit tested and calibrated by the manufacturer. In some cases manufacturer support is not available.

| COST SUMMARY | |
|--------------------------------|------------------|
| Life-to-Date Expenditures | \$0 |
| 12/13 Budget + 11/12 CarryOver | \$0 |
| Carry Over + 7 Year Total | \$700,000 |
| +) Project Total | \$700,000 |

| <i>Purchase</i> | CarryOver | 13-14 | 14-15 | 15-16 | 16-17 | 17-18 | 18-19 | 19-20 | Total |
|-----------------------|------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 120 Proposition 172 | - | \$350,000 | - | - | - | - | \$350,000 | - | \$700,000 |
| SUBTOTAL | - | \$350,000 | - | - | - | - | \$350,000 | - | \$700,000 |
| YEAR TOTAL | \$0 | \$350,000 | - | - | - | - | \$350,000 | - | \$700,000 |



PROJECT 20107
New Fire Station 2

Account No: (Fund)-3021-56015-20107

Program: 3021 Fire Suppression
Department: Fire
Project Manager: Dennis Cole
Manager Title: Admin. Captain
Project Description:

General Plan Element: Public Safety
Estimated Completion Date: unknown
Environmental Status: Mitigated Negative Declaration

Demolish and construct a new fire station on the current property located at 2900 E. Collins Avenue. The project will be phased as follows: Year 1, Design; Year 2, Engineering; and Year 3, Construction. The current station was built in 1959 and no longer operationally meets the needs of the department. The current apparatus bay is too small for the current apparatus and the station does not have enough living space for additional personnel.

| COST SUMMARY | |
|--------------------------------|--------------------|
| Life-to-Date Expenditures | \$0 |
| 12/13 Budget + 11/12 CarryOver | \$0 |
| Carry Over + 7 Year Total | |
| +) \$1,200,000 | |
| Project Total | |
| | \$1,200,000 |

| Design | | CarryOver | 13-14 | 14-15 | 15-16 | 16-17 | 17-18 | 18-19 | 19-20 | Total |
|--------------------|----------------------|------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 560 | Fire Facilities Fees | - | \$200,000 | - | - | - | - | - | - | \$200,000 |
| SUBTOTAL | | - | \$200,000 | - | - | - | - | - | - | \$200,000 |
| Engineering | | CarryOver | 13-14 | 14-15 | 15-16 | 16-17 | 17-18 | 18-19 | 19-20 | Total |
| 560 | Fire Facilities Fees | - | - | \$1,000,000 | - | - | - | - | - | \$1,000,000 |
| SUBTOTAL | | - | - | \$1,000,000 | - | - | - | - | - | \$1,000,000 |
| YEAR TOTAL | | \$0 | \$200,000 | \$1,000,000 | - | - | - | - | - | \$1,200,000 |



PROJECT 20165
800 MHz Radio Replacement

Account No: (Fund)-3021-56032-20165

Program: 3021 Fire Suppression
Department: Fire
Project Manager: Dennis Cole
Manager Title: Admin. Captain
Project Description:

General Plan Element: Public Safety
Estimated Completion Date: June 2018
Environmental Status: Not Applicable

In 2018, the county-wide 800 MHz radio "back-bone" is scheduled to be replaced. New portable and mobile radios will need to be purchased for system compatibility.

| COST SUMMARY | |
|--------------------------------|------------------|
| Life-to-Date Expenditures | \$0 |
| 12/13 Budget + 11/12 CarryOver | \$0 |
| Carry Over + 7 Year Total | |
| +) \$575,000 | \$575,000 |
| Project Total | |
| | \$575,000 |

| <i>Purchase</i> | CarryOver | 13-14 | 14-15 | 15-16 | 16-17 | 17-18 | 18-19 | 19-20 | Total |
|-----------------------|------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 120 Proposition 172 | - | - | - | - | - | - | \$375,000 | \$200,000 | \$575,000 |
| SUBTOTAL | - | - | - | - | - | - | \$375,000 | \$200,000 | \$575,000 |
| YEAR TOTAL | \$0 | - | - | - | - | - | \$375,000 | \$200,000 | \$575,000 |



PROJECT 20166
EMS Gurney Replacement

Account No: (Fund)-3022-55131-20166

Program: 3022 Paramedics
Department: Fire
Project Manager: Dennis Cole
Manager Title: Admin. Captain
Project Description:

General Plan Element: Public Safety
Estimated Completion Date: Continuous
Environmental Status: Not Applicable

Replace EMS gurneys as they reach the end of their ten (10) year service life. Replace two (2) ten year old gurneys FY 15-16, two (2) FY 16-17, three (3) FY 17-18.

| COST SUMMARY | |
|--------------------------------|------------------|
| Life-to-Date Expenditures | \$0 |
| 12/13 Budget + 11/12 CarryOver | \$0 |
| Carry Over + 7 Year Total | |
| +) | \$106,520 |
| Project Total | |
| | \$106,520 |

| <i>Purchase</i> | CarryOver | 13-14 | 14-15 | 15-16 | 16-17 | 17-18 | 18-19 | 19-20 | Total |
|-----------------------|-----------|-------|-------|----------|----------|----------|-------|-------|-----------|
| 120 Proposition 172 | - | - | - | \$30,040 | \$30,400 | \$46,080 | - | - | \$106,520 |
| SUBTOTAL | - | - | - | \$30,040 | \$30,400 | \$46,080 | - | - | \$106,520 |
| YEAR TOTAL | \$0 | - | - | \$30,040 | \$30,400 | \$46,080 | - | - | \$106,520 |



PROJECT 20167
Security Gates - Fire H.Q.

Account No: (Fund)-3021-56015-20167

Program: 3021 Fire Administration

Department: Fire

Project Manager: Dennis Cole

Manager Title: Admin. Captain

Project Description:

Install automatic/electric security gates on the north and south sides of fire headquarters; additionally remove existing planter beds on the north side of the station to add additional parking spaces. This project will increase fire station security and protect City assets, including human resources and property.

General Plan Element: Public Safety

Estimated Completion Date: June 2014

Environmental Status: Not Applicable

COST SUMMARY

| | |
|--------------------------------|-----------------|
| Life-to-Date Expenditures | \$0 |
| 12/13 Budget + 11/12 CarryOver | \$0 |
| Carry Over + 7 Year Total | \$55,000 |
| +) Project Total | \$55,000 |

| Purchase & Installation | | CarryOver | 13-14 | 14-15 | 15-16 | 16-17 | 17-18 | 18-19 | 19-20 | Total |
|------------------------------------|----------------------|------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 560 | Fire Facilities Fees | - | \$55,000 | - | - | - | - | - | - | \$55,000 |
| SUBTOTAL | | - | \$55,000 | - | - | - | - | - | - | \$55,000 |
| YEAR TOTAL | | \$0 | \$55,000 | - | - | - | - | - | - | \$55,000 |



PROJECT 20169
WMD-DUODOTE Auto Injectors

Account No: (Fund)-3022-56030-20169

Program: 3022 Fire Suppression
Department: Fire
Project Manager: Dennis Cole
Manager Title: Admin. Captain
Project Description:

General Plan Element: Public Safety
Estimated Completion Date: Continuous
Environmental Status: Not Applicable

Establish a two-year replacement program for WMD DUODOTE Auto Injectors. WMD grant replacement has expired.

| COST SUMMARY | |
|--------------------------------|-----------------|
| Life-to-Date Expenditures | \$0 |
| 12/13 Budget + 11/12 CarryOver | \$0 |
| Carry Over + 7 Year Total | \$58,200 |
| +) Project Total | \$58,200 |

| <i>Purchase</i> | CarryOver | 13-14 | 14-15 | 15-16 | 16-17 | 17-18 | 18-19 | 19-20 | Total |
|-----------------------|------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 120 Proposition 172 | - | \$13,500 | - | \$14,200 | - | \$14,900 | - | \$15,600 | \$58,200 |
| SUBTOTAL | - | \$13,500 | - | \$14,200 | - | \$14,900 | - | \$15,600 | \$58,200 |
| YEAR TOTAL | \$0 | \$13,500 | - | \$14,200 | - | \$14,900 | - | \$15,600 | \$58,200 |



PROJECT 20171
EPCR Replacement Program

Account No: (Fund)-3022-55131-20171

Program: 3022 Paramedics
Department: Fire
Project Manager: Dennis Cole
Manager Title: Admin. Captain
Project Description:

General Plan Element: Public Safety
Estimated Completion Date: Continuous
Environmental Status: Not Applicable

Establish a three (3) year replacement program for EMS Electronic Paramedic Care Report (EPCR) Tablets.

| COST SUMMARY | |
|--------------------------------|------------------|
| Life-to-Date Expenditures | \$0 |
| 12/13 Budget + 11/12 CarryOver | \$0 |
| Carry Over + 7 Year Total | \$120,000 |
| +) Project Total | \$120,000 |

| <i>Purchase</i> | CarryOver | 13-14 | 14-15 | 15-16 | 16-17 | 17-18 | 18-19 | 19-20 | Total |
|-----------------------|------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 120 Proposition 172 | - | - | - | - | \$60,000 | - | - | \$60,000 | \$120,000 |
| SUBTOTAL | - | - | - | - | \$60,000 | - | - | \$60,000 | \$120,000 |
| YEAR TOTAL | \$0 | - | - | - | \$60,000 | - | - | \$60,000 | \$120,000 |



This page intentionally left blank