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City of Orange

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PROJECT 16031
East Chapman Traffic Signal Coordination

Account No: **(Fund)-5032-56100-16031**

Program: 5032 Traffic Operations
Department: Public Works, Traffic
Project Manager: Medel Llanes
Manager Title: Assoc. Civil Engineer

General Plan Element: Circ&Mobility/Growth
Estimated Completion Date: October 2013
Environmental Status: Exempt

Project Description:
Project will upgrade traffic signal controllers and install fiber optic traffic signal interconnection along Chapman, Jamboree, Newport, and Santiago Canyon Road in the east portion of the City, connecting to the City's Traffic Management Center to aid in signal coordination.

COST SUMMARY

Life-to-Date Expenditures	**$575,062**
12/13 Budget + 11/12 CarryOver	**$85,123**
Carry Over + 7 Year Total	**+) $98,700**
Project Total	**$758,885**

Construction		CarryOver	13-14	14-15	15-16	16-17	17-18	18-19	19-20	Total
550	Developer Contribution - Irvine Company	$98,700	-	-	-	-	-	-	-	$98,700
SUBTOTAL		$98,700	-	-	-	-	-	-	-	$98,700
YEAR TOTAL		$98,700	-	-	-	-	-	-	-	$98,700

CITY OF ORANGE
2013-2014 to 2019-2020
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CAPITAL IMPROVEMENT PROGRAM

PROJECT 16065
Quiet Zone & Railroad Crossing Safety

Account No: **(Fund)-5032-56670-16065**

Program: 5032 Capital Projects
Department: Public Works, Traffic
Project Manager: Amir Farahani
Manager Title: City Traffic Engineer

General Plan Element: Land/Circ&Mobility/Growth
Estimated Completion Date: October 2013
Environmental Status: Exempt

Project Description:
This project, led by OCTA, provides the matching funds necessary to enhance safety at various existing at-grade railroad crossings in preparation for implementation of railroad quiet zones within portions of the City.

COST SUMMARY

Life-to-Date Expenditures
$3,334,602
12/13 Budget + 11/12 CarryOver
$305,193
Carry Over + 7 Year Total
+) $304,227
Project Total
$3,944,022

Construction	CarryOver	13-14	14-15	15-16	16-17	17-18	18-19	19-20	Total
944 2008 RDA Bond Proceeds	$304,227	-	-	-	-	-	-	-	$304,227
SUBTOTAL	$304,227	-	-	-	-	-	-	-	$304,227
YEAR TOTAL	$304,227	-	-	-	-	-	-	-	$304,227

CITY OF ORANGE
2013-2014 to 2019-2020
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CAPITAL IMPROVEMENT PROGRAM

PROJECT 16077
Batavia @ Taft Left Turn Signalization

Account No: **(Fund)-5032-56100-16077**

Program: 5032 Traffic Operations
Department: Public Works, Traffic
Project Manager: Amir Farahani
Manager Title: City Traffic Engineer

General Plan Element: Circ&Mobility/Growth
Estimated Completion Date: October 2013
Environmental Status: Exempt

Project Description:
Installation of protected left turn phasing to the existing traffic signal at Batavia and Taft in the north and south direction.

COST SUMMARY

Life-to-Date Expenditures	**$115,882**
12/13 Budget + 11/12 CarryOver	**$0**
Carry Over + 7 Year Total	**+) $18,118**
Project Total	**$134,000**

Construction	CarryOver	13-14	14-15	15-16	16-17	17-18	18-19	19-20	Total
284 TSIP Area "B"	$18,118	-	-	-	-	-	-	-	$18,118
SUBTOTAL	$18,118	-	-	-	-	-	-	-	$18,118
YEAR TOTAL	$18,118	-	-	-	-	-	-	-	$18,118

CITY OF ORANGE
2013-2014 to 2019-2020
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CAPITAL IMPROVEMENT PROGRAM

PROJECT 16085
Tustin @ Palm Left Turn Signalization

Account No: **(Fund)-5032-56100-16085**

Program: 5032 Traffic Operations
Department: Public Works, Traffic
Project Manager: Amir Farahani
Manager Title: City Traffic Engineer

General Plan Element: Circ&Mobility/Growth
Estimated Completion Date: July 2014
Environmental Status: Exempt

Project Description:
Installation of protected left turn phasing to the existing traffic signal at Tustin and Palm in the north and south direction.

COST SUMMARY

Life-to-Date Expenditures
$4,920

12/13 Budget + 11/12 CarryOver
$9,982

Carry Over + 7 Year Total
+) $171,998

Project Total
$186,900

Construction		CarryOver	13-14	14-15	15-16	16-17	17-18	18-19	19-20	Total
550	HSIP	$167,600	-	-	-	-	-	-	-	$167,600
262	Measure "M"	$4,398	-	-	-	-	-	-	-	$4,398
SUBTOTAL		$171,998	-	-	-	-	-	-	-	$171,998
YEAR TOTAL		$171,998	-	-	-	-	-	-	-	$171,998

CITY OF ORANGE
2013-2014 to 2019-2020
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CAPITAL IMPROVEMENT PROGRAM

PROJECT 16086
Glassell @ Palm Traffic Signal

Account No: **(Fund)-5032-56100-16086**

Program: 5032 Traffic Operations
Department: Public Works, Traffic
Project Manager: Amir Farahani
Manager Title: City Traffic Engineer

General Plan Element: Land/Circ&Mobility/Growth
Estimated Completion Date: July 2014
Environmental Status: Exempt

Project Description:
Design and construction of a traffic signal at the intersection of Glassell Street and Palm Avenue. Per agreement, Chapman University will fund 42% of this project.

COST SUMMARY

Life-to-Date Expenditures
$2,244

12/13 Budget + 11/12 CarryOver
$40,000

Carry Over + 7 Year Total
+) $239,756

Project Total
$282,000

Design		CarryOver	13-14	14-15	15-16	16-17	17-18	18-19	19-20	Total
284	TSIP Area "B"	-	$10,000	-	-	-	-	-	-	$10,000
SUBTOTAL		-	$10,000	-	-	-	-	-	-	$10,000
Construction		**CarryOver**	**13-14**	**14-15**	**15-16**	**16-17**	**17-18**	**18-19**	**19-20**	**Total**
550	Chapman Univ. Grant	-	$114,240	-	-	-	-	-	-	$114,240
284	TSIP Area "B"	$115,516	-	-	-	-	-	-	-	$115,516
SUBTOTAL		$115,516	$114,240	-	-	-	-	-	-	$229,756
YEAR TOTAL		$115,516	$124,240	-	-	-	-	-	-	$239,756

CITY OF ORANGE
2013-2014 to 2019-2020
SEVEN YEAR
CAPITAL IMPROVEMENT PROGRAM

PROJECT 16302
Minor Traffic Control Devices

Account No: **(Fund)-5032-56100-16302**

Program: 5032 Traffic Operations
Department: Public Works, Traffic
Project Manager: Chris La Face
Manager Title: Traffic Maint Supervisor

General Plan Element: Circ&Mobility/Growth
Estimated Completion Date: On-going
Environmental Status: N/A

Project Description:
This project will provide for minor traffic control devices such as signage, striping and other related traffic calming devices as directed by the Traffic Commission and City Traffic Engineer.

COST SUMMARY

Life-to-Date Expenditures
$806,366
12/13 Budget + 11/12 CarryOver
$52,226
Carry Over + 7 Year Total
+) $398,583
Project Total
$1,257,175

Construction	CarryOver	13-14	14-15	15-16	16-17	17-18	18-19	19-20	Total
263 Measure "M2" Turnback	$48,583	$50,000	$50,000	$50,000	$50,000	$50,000	$50,000	$50,000	$398,583
SUBTOTAL	$48,583	$50,000	$50,000	$50,000	$50,000	$50,000	$50,000	$50,000	$398,583
YEAR TOTAL	$48,583	$50,000	$50,000	$50,000	$50,000	$50,000	$50,000	$50,000	$398,583

CITY OF ORANGE
2013-2014 to 2019-2020
SEVEN YEAR
CAPITAL IMPROVEMENT PROGRAM

PROJECT 16304
Biennial City Traffic Signal Coordination

Account No: **(Fund)-5032-56100-16304**

Program: 5032 Traffic Operations
Department: Public Works, Traffic
Project Manager: Amir Farahani
Manager Title: City Traffic Engineer

General Plan Element: Circ&Mobility/Growth
Estimated Completion Date: Ongoing
Environmental Status: Exempt

Project Description:
This project will study traffic signals on the City's major streets (Chapman, Tustin, Katella, Main, etc.), count and analyze traffic flows, and provide appropriate traffic signal timing to minimize delay to drivers. The coordinated signal timing will be implemented through the City's Traffic Management Center. Changes in traffic flows require updating at two year intervals.

COST SUMMARY

Life-to-Date Expenditures	**$93,195**
12/13 Budget + 11/12 CarryOver	**$0**
Carry Over + 7 Year Total	**+) $429,194**
Project Total	**$522,389**

Study		CarryOver	13-14	14-15	15-16	16-17	17-18	18-19	19-20	Total
272	Gas Tax	$6,034	-	-	-	-	-	-	-	$6,034
262	Measure "M"	$43,160	-	-	-	-	-	-	-	$43,160
263	Measure "M2" Turnback	$95,000	-	$95,000	-	$95,000	-	$95,000	-	$380,000
SUBTOTAL		$144,194	-	$95,000	-	$95,000	-	$95,000	-	$429,194
YEAR TOTAL		$144,194	-	$95,000	-	$95,000	-	$95,000	-	$429,194

CITY OF ORANGE
2013-2014 to 2019-2020
SEVEN YEAR
CAPITAL IMPROVEMENT PROGRAM

PROJECT 16305
Traffic Sig. Contr. & TMC Upgrades

Account No: **(Fund)-5032-56100-16305**

Program: 5032 Traffic Operations
Department: Public Works, Traffic
Project Manager: Amir Farahani
Manager Title: City Traffic Engineer

General Plan Element: Circ&Mobility/Growth
Estimated Completion Date: On-going
Environmental Status: Exempt

Project Description:
The City maintains 156 traffic signals, most of which contain older controllers. Nearly two-thirds of the controllers have recently been updated or replaced to allow for better coordination with the City's Transportation Management Center. 2013-14 will continue to the process of updating or replacing controllers, access future signal controller needs, and upgrade Traffic Management Center (TMC) equipment and software.

COST SUMMARY

Life-to-Date Expenditures	**$222,719**
12/13 Budget + 11/12 CarryOver	**$0**
Carry Over + 7 Year Total	**+) $367,280**
Project Total	**$589,999**

Purchase & Installation		CarryOver	13-14	14-15	15-16	16-17	17-18	18-19	19-20	Total
272	Gas Tax	$12,767	$50,000	$50,000	$50,000	$50,000	$50,000	$50,000	$50,000	$362,767
262	Measure "M"	$4,513	-	-	-	-	-	-	-	$4,513
SUBTOTAL		$17,280	$50,000	$50,000	$50,000	$50,000	$50,000	$50,000	$50,000	$367,280
YEAR TOTAL		$17,280	$50,000	$50,000	$50,000	$50,000	$50,000	$50,000	$50,000	$367,280

CITY OF ORANGE
2013-2014 to 2019-2020
SEVEN YEAR
CAPITAL IMPROVEMENT PROGRAM

PROJECT 16469
Traffic Signal Equipment Painting

Account No: **(Fund)-5032-56100-16469**

Program: 5032 Traffic Operations
Department: Public Works, Traffic
Project Manager: Chris La Face
Manager Title: Traffic Maint Supervisor

General Plan Element: Infra/Urban/Econ Dev
Estimated Completion Date: Continuous
Environmental Status: Not Applicable

Project Description:
This project provides for the painting of traffic signal equipment at approximately 25 intersections within the City. The paint on the City's traffic signal equipment (signal and pedestrian heads, pedestrian push buttons and cabinets) has greatly deteriorated. The City has approximately 156 signalized intersections and this project would fund a portion of the intersections as needed.

COST SUMMARY

Life-to-Date Expenditures	**$269,695**
12/13 Budget + 11/12 CarryOver	**$0**
Carry Over + 7 Year Total	**+) $254,438**
Project Total	**$524,133**

Construction		CarryOver	13-14	14-15	15-16	16-17	17-18	18-19	19-20	Total
263	Measure "M2" Turnback	-	-	$100,000	-	-	-	-	-	$100,000
262	Measure M Turnback	$94,471	-	-	-	-	-	-	-	$94,471
280	TSIP Area "A"	$59,967	-	-	-	-	-	-	-	$59,967
SUBTOTAL		$154,438	-	$100,000	-	-	-	-	-	$254,438
YEAR TOTAL		$154,438	-	$100,000	-	-	-	-	-	$254,438

CITY OF ORANGE
2013-2014 to 2019-2020
SEVEN YEAR
CAPITAL IMPROVEMENT PROGRAM

PROJECT 20064
Three Street Radar Feedback Speed Signs

Account No: **(Fund)-5032-56100-20064**

Program: 5032 Traffic Operations
Department: Public Works, Traffic
Project Manager: Amir Farahani
Manager Title: City Traffic Engineer

General Plan Element: Circ&Mobil/Public Safety
Estimated Completion Date: July 2013
Environmental Status: Exempt

Project Description:
Installation of a total of 12 Radar Feedback Speed and School Warning Signs on three arterials with a history of Speed Related Accidents: Cannon Street from Santiago Canyon Road to Chapman (4 signs); Chapman Avenue from Cannon to Orange Park Blvd (4 signs); and La Veta Avenue from Yorba to Esplanade (4 signs).

COST SUMMARY

Life-to-Date Expenditures	**$3,139**
12/13 Budget + 11/12 CarryOver	**$7,734**
Carry Over + 7 Year Total	**+) $185,828**
Project Total	**$196,701**

Design and Purchase		CarryOver	13-14	14-15	15-16	16-17	17-18	18-19	19-20	Total
272	Gas Tax	$8,928	-	-	-	-	-	-	-	$8,928
550	HSIP	$176,900	-	-	-	-	-	-	-	$176,900
SUBTOTAL		$185,828	-	-	-	-	-	-	-	$185,828
YEAR TOTAL		$185,828	-	-	-	-	-	-	-	$185,828

CITY OF ORANGE
2013-2014 to 2019-2020
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CAPITAL IMPROVEMENT PROGRAM

PROJECT 20065
Four Street Radar Feedback Speed Signs

Account No: **(Fund)-5032-56100-20065**

Program: 5032 Traffic Operations
Department: Public Works, Traffic
Project Manager: Amir Farahani
Manager Title: City Traffic Engineer

General Plan Element: Circ&Mobil/Public Safety
Estimated Completion Date: July 2013
Environmental Status: Exempt

Project Description:
Installation of a total of 15 Radar Feedback Speed, Curve, and School Warning Signs on four arterials with a history of Speed Related Accidents: Cannon Street from Via Escola to Santiago Canyon Road (4 signs); Serrano Avenue from Cannon to Kendra (3 signs); Santiago Canyon Road from Jamboree to SR-241 (4 signs); and Collins Avenue from Shaffer to Tustin (4 signs).

COST SUMMARY

Life-to-Date Expenditures	**$3,385**
12/13 Budget + 11/12 CarryOver	**$7,734**
Carry Over + 7 Year Total	**+) $208,182**
Project Total	**$219,301**

Design and Purchase		CarryOver	13-14	14-15	15-16	16-17	17-18	18-19	19-20	Total
272	Gas Tax	$11,682	-	-	-	-	-	-	-	$11,682
550	HSIP	$196,500	-	-	-	-	-	-	-	$196,500
SUBTOTAL		$208,182	-	-	-	-	-	-	-	$208,182
YEAR TOTAL		$208,182	-	-	-	-	-	-	-	$208,182

CITY OF ORANGE
2013-2014 to 2019-2020
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CAPITAL IMPROVEMENT PROGRAM

PROJECT 20111
Tustin St Traffic Signal Synchronization

Account No: **(Fund)-5032-56100-20111**

Program: 5032 Traffic Operations
Department: Public Works, Traffic
Project Manager: Amir Farahani
Manager Title: City Traffic Engineer

General Plan Element: Circulation & Mobility
Estimated Completion Date: September 2014
Environmental Status: Exempt

Project Description:
This is a traffic signal coordinating project across multiple jurisdictional boundaries as part of the Renewed Measure M (M2) Regional Traffic Signalization Program Project P to enhance countrywide traffic flow and reduce congestion. The corridor spans approximately 9.25 miles and 43 intersections starting at 1st Street in the City of Tustin to Alta Vista Street in Placentia. The Orange County Transportation Authority (OCTA) is the lead agency. The participant cities are Orange, Santa Ana, Tustin, Anaheim, Placentia, and the State of California Department of Transportation. The participating agencies agree to a combined cash and in-kind match (staffing, equipment purchase) of 20% of the Total Project Costs within the City's jurisdiction.

COST SUMMARY

Life-to-Date Expenditures	**$0**
12/13 Budget + 11/12 CarryOver	**$0**
Carry Over + 7 Year Total	**+) $47,610**
Project Total	**$47,610**

Engineering & Construction	CarryOver	13-14	14-15	15-16	16-17	17-18	18-19	19-20	Total
262 Measure "M"	$47,610	-	-	-	-	-	-	-	$47,610
SUBTOTAL	$47,610	-	-	-	-	-	-	-	$47,610
YEAR TOTAL	$47,610	-	-	-	-	-	-	-	$47,610

CITY OF ORANGE
2013-2014 to 2019-2020
SEVEN YEAR
CAPITAL IMPROVEMENT PROGRAM

PROJECT 20122
Lincoln Ave Traffic Signal Synchronization

Account No: **(Fund)-5032-56100-20122**

Program: 5032 Traffic Operations
Department: Public Works, Traffic
Project Manager: Amir Farahani
Manager Title: City Traffic Engineer

General Plan Element: Circulation & Mobility
Estimated Completion Date: September 2014
Environmental Status: Exempt

Project Description:
This is a traffic signal coordinating project across multiple jurisdictional boundaries as part of the Renewed Measure M (M2) Regional Traffic Signalization Program Project P to enhance countrywide traffic flow and reduce congestion. The project would synchronize 47 intersections along Lincoln Avenue starting at Knott Avenue in the City of Anaheim to Imperial Highway, which includes City of Anaheim, the State of California Department of Transportation and City of Orange. The participating agencies agree to a combined cash and in-kind match (staffing, equipment purchase) of 20% of the Total Project Costs within the City's jurisdiction.

COST SUMMARY

Life-to-Date Expenditures	**$0**
12/13 Budget + 11/12 CarryOver	**$0**
Carry Over + 7 Year Total	**+) $23,000**
Project Total	**$23,000**

Purchase & Installation	CarryOver	13-14	14-15	15-16	16-17	17-18	18-19	19-20	Total
262 Measure "M"	$23,000	-	-	-	-	-	-	-	$23,000
SUBTOTAL	$23,000	-	-	-	-	-	-	-	$23,000
YEAR TOTAL	$23,000	-	-	-	-	-	-	-	$23,000

CITY OF ORANGE
2013-2014 to 2019-2020
SEVEN YEAR
CAPITAL IMPROVEMENT PROGRAM

PROJECT 20123
Taft Ave Traffic Signal Synchronization

Account No: **(Fund)-5032-56100-20123**

Program: 5032 Traffic Operations
Department: Public Works, Traffic
Project Manager: Amir Farahani
Manager Title: City Traffic Engineer

General Plan Element: Circulation & Mobility
Estimated Completion Date: September 2014
Environmental Status: Exempt

Project Description:
This is a traffic signal coordinating project across multiple jurisdictional boundaries as part of the Renewed Measure M (M2) Regional Traffic Signalization Program Project P to enhance countrywide traffic flow and reduce congestion. The project would synchronize 46 intersections along Taft Avenue between Bloomfield Street and Tustin Street, which includes City of Cypress, City of Anaheim, the State of California Department of Transportation and City of Orange. The participating agencies agree to a combined cash and in-kind match (staffing, equipment purchase) of 20% of the Total Project Costs within the City's jurisdiction.

COST SUMMARY

Life-to-Date Expenditures	**$0**
12/13 Budget + 11/12 CarryOver	**$0**
Carry Over + 7 Year Total	**+) $24,000**
Project Total	**$24,000**

Purchase & Installation	CarryOver	13-14	14-15	15-16	16-17	17-18	18-19	19-20	Total
262 Measure "M"	$24,000	-	-	-	-	-	-	-	$24,000
SUBTOTAL	$24,000	-	-	-	-	-	-	-	$24,000
YEAR TOTAL	$24,000	-	-	-	-	-	-	-	$24,000

CITY OF ORANGE
2013-2014 to 2019-2020
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CAPITAL IMPROVEMENT PROGRAM

PROJECT 20188
Glassell Corridor Traffic Signal Synch.

Account No: **(Fund)-5032-56100-20188**

Program: 5032 Traffic Operations
Department: Public Works, Traffic
Project Manager: Amir Farahani
Manager Title: City Traffic Engineer

General Plan Element: Circulation & Mobility
Estimated Completion Date: June 2014
Environmental Status: Exempt

Project Description:
This is a multi-jurisdictional traffic signal synchronization project along the Glassell Street Corridor between Kramer Blvd/Lambert Road in the City of Brea, and Grand Avenue/Dyer Road in the City of Santa Ana. It is part of OCTA's Measure M2 Project P - Regional Traffic Synchronization Program covering 59 intersection traffic signals in the Cities of Brea, Placentia, Anaheim, Orange, Santa Ana and the State of California Department of Transportation. All agencies are required to provide a minimum of 20 percent matching funds including cash and in-kind such as staffing and equipment purchase for these projects.

COST SUMMARY

Life-to-Date Expenditures	**$0**
12/13 Budget + 11/12 CarryOver	**$0**
Carry Over + 7 Year Total	**+) $142,300**
Project Total	**$142,300**

Engineering & Construction		CarryOver	13-14	14-15	15-16	16-17	17-18	18-19	19-20	Total
263	Measure "M2" Turnback	-	$142,300	-	-	-	-	-	-	$142,300
SUBTOTAL		-	$142,300	-	-	-	-	-	-	$142,300
YEAR TOTAL		$0	$142,300	-	-	-	-	-	-	$142,300

CITY OF ORANGE
2013-2014 to 2019-2020
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CAPITAL IMPROVEMENT PROGRAM

PROJECT 20189
Newport Blvd Corridor Traffic Signal

Account No: **(Fund)-5032-56100-20189**

Program: 5032 Traffic Operations
Department: Public Works, Traffic
Project Manager: Amir Farahani
Manager Title: City Traffic Engineer

General Plan Element: Circulation & Mobility
Estimated Completion Date: June 2014
Environmental Status: Exempt

Project Description:
This is a multi-jurisdictional traffic signal synchronization project along the Newport Blvd. Corridor between Sycamore Avenue in the City of Tustin, and Santiago Canyon Road in the City of Orange. It is part of OCTA's Measure M2 Project P- Regional Traffic Synchronization Program covering 24 intersection traffic signals in the Cities of Tustin, Orange, County of Orange, and the State of California Department of Transportation. All agencies are required to provide a minimum of 20 percent matching funds including cash and in-kind such as staffing and equipment purchase for these projects.

COST SUMMARY

Life-to-Date Expenditures	**$0**
12/13 Budget + 11/12 CarryOver	**$0**
Carry Over + 7 Year Total	**+) $49,960**
Project Total	**$49,960**

Engineering & Construction	CarryOver	13-14	14-15	15-16	16-17	17-18	18-19	19-20	Total
263 Measure "M2" Turnback	-	$49,960	-	-	-	-	-	-	$49,960
SUBTOTAL	-	$49,960	-	-	-	-	-	-	$49,960
YEAR TOTAL	$0	$49,960	-	-	-	-	-	-	$49,960

CITY OF ORANGE
2013-2014 to 2019-2020
SEVEN YEAR
CAPITAL IMPROVEMENT PROGRAM

PROJECT 20190
Chapman/Hewes Protected Left-turn Phasing

Account No: **(Fund)-5032-56100-20190**

Program: 5032 Traffic Operations
Department: Public Works, Traffic
Project Manager: Medel Llanes
Manager Title: Assoc. Civil Engineer

General Plan Element: Circulation & Mobility
Estimated Completion Date: August 2015
Environmental Status: Categorical Exemption

Project Description:
Installation of Northbound and Southbound Protected Left-turn phasing at Chapman Avenue and Hewes Street.

COST SUMMARY

Life-to-Date Expenditures	**$0**
12/13 Budget + 11/12 CarryOver	**$0**
Carry Over + 7 Year Total	**+) $249,200**
Project Total	**$249,200**

Design		CarryOver	13-14	14-15	15-16	16-17	17-18	18-19	19-20	Total
550	HSIP	-	$25,200	-	-	-	-	-	-	$25,200
263	Measure "M2" Turnback	-	$2,800	-	-	-	-	-	-	$2,800
SUBTOTAL		-	$28,000	-	-	-	-	-	-	$28,000
Construction		**CarryOver**	**13-14**	**14-15**	**15-16**	**16-17**	**17-18**	**18-19**	**19-20**	**Total**
550	HSIP	-	$199,100	-	-	-	-	-	-	$199,100
263	Measure "M2" Turnback	-	$22,100	-	-	-	-	-	-	$22,100
SUBTOTAL		-	$221,200	-	-	-	-	-	-	$221,200
YEAR TOTAL		$0	$249,200	-	-	-	-	-	-	$249,200

CITY OF ORANGE
2013-2014 to 2019-2020
SEVEN YEAR
CAPITAL IMPROVEMENT PROGRAM

PROJECT 20191
Main St. Corridor Traffic Signal Synch.

Account No: **(Fund)-5032-56100-20191**

Program: 5032 Traffic Operations
Department: Public Works, Traffic
Project Manager: Amir Farahani
Manager Title: City Traffic Engineer

General Plan Element: Circulation & Mobility
Estimated Completion Date: June 2014
Environmental Status: Exempt

Project Description:
This is a multi-jurisdictional traffic signal synchronization project along the Main Street Corridor between Sunflower Avenue in the City of Santa Ana and Taft Avenue in the City of Orange. It is part of OCTA's Measure M2 Project P- Regional Traffic Synchronization Program covering 49 intersection traffic signals in the Cities of Santa Ana and Orange, and the State of California Department of Transportation. All agencies are required to provide a minimum of 20 percent matching funds including cash and in-kind such as staffing and equipment purchase for these projects.

COST SUMMARY

Life-to-Date Expenditures	**$0**
12/13 Budget + 11/12 CarryOver	**$0**
Carry Over + 7 Year Total	**+) $97,350**
Project Total	**$97,350**

Engineering & Construction	CarryOver	13-14	14-15	15-16	16-17	17-18	18-19	19-20	Total
263 Measure "M2" Turnback	-	$97,350	-	-	-	-	-	-	$97,350
SUBTOTAL	-	$97,350	-	-	-	-	-	-	$97,350
YEAR TOTAL	$0	$97,350	-	-	-	-	-	-	$97,350

CITY OF ORANGE
2013-2014 to 2019-2020
SEVEN YEAR
CAPITAL IMPROVEMENT PROGRAM

PROJECT 20192
Chapman/Esplanade Protected Left-turn Phasing

Account No: **(Fund)-5032-56100-20192**

Program: 5032 Traffic Operations
Department: Public Works, Traffic
Project Manager: Medel Llanes
Manager Title: Assoc. Civil Engineer

General Plan Element: Circulation & Mobility
Estimated Completion Date: August 2015
Environmental Status: Categorical Exemption

Project Description:
Installation of Northbound and Southbound Protected Left-turn phasing at Chapman Avenue and Esplanade Street.

COST SUMMARY

Life-to-Date Expenditures	**$0**
12/13 Budget + 11/12 CarryOver	**$0**
Carry Over + 7 Year Total	**+) $212,600**
Project Total	**$212,600**

Design		CarryOver	13-14	14-15	15-16	16-17	17-18	18-19	19-20	Total
550	HSIP	-	$25,200	-	-	-	-	-	-	$25,200
263	Measure "M2" Turnback	-	$2,800	-	-	-	-	-	-	$2,800
SUBTOTAL		-	$28,000	-	-	-	-	-	-	$28,000
Construction		**CarryOver**	**13-14**	**14-15**	**15-16**	**16-17**	**17-18**	**18-19**	**19-20**	**Total**
550	HSIP	-	$166,100	-	-	-	-	-	-	$166,100
263	Measure "M2" Turnback	-	$18,500	-	-	-	-	-	-	$18,500
SUBTOTAL		-	$184,600	-	-	-	-	-	-	$184,600
YEAR TOTAL		$0	$212,600	-	-	-	-	-	-	$212,600

CITY OF ORANGE
2013-2014 to 2019-2020
SEVEN YEAR
CAPITAL IMPROVEMENT PROGRAM

PROJECT 20193
Tustin/Mayfair Protected Left-turn Phasing

Account No: **(Fund)-5032-56100-20193**

Program: 5032 Traffic Operations
Department: Public Works, Traffic
Project Manager: Medel Llanes
Manager Title: Assoc. Civil Engineer

General Plan Element: Circulation & Mobility
Estimated Completion Date: August 2015
Environmental Status: Categorical Exemption

Project Description:
Installation of Northbound and Southbound Protected Left-turn phasing at Tustin Street and Mayfair Avenue.

COST SUMMARY

Life-to-Date Expenditures	**$0**
12/13 Budget + 11/12 CarryOver	**$0**
Carry Over + 7 Year Total	**+) $228,000**
Project Total	**$228,000**

Design		CarryOver	13-14	14-15	15-16	16-17	17-18	18-19	19-20	Total
550	HSIP	-	$9,000	-	-	-	-	-	-	$9,000
263	Measure "M2" Turnback	-	$1,000	-	-	-	-	-	-	$1,000
SUBTOTAL		-	$10,000	-	-	-	-	-	-	$10,000
Construction		**CarryOver**	**13-14**	**14-15**	**15-16**	**16-17**	**17-18**	**18-19**	**19-20**	**Total**
550	HSIP	-	$196,200	-	-	-	-	-	-	$196,200
263	Measure "M2" Turnback	-	$21,800	-	-	-	-	-	-	$21,800
SUBTOTAL		-	$218,000	-	-	-	-	-	-	$218,000
YEAR TOTAL		$0	$228,000	-	-	-	-	-	-	$228,000

CITY OF ORANGE
2013-2014 to 2019-2020
SEVEN YEAR
CAPITAL IMPROVEMENT PROGRAM

PROJECT 20194
Safety Upgrades at 14 Uncontrolled Intersections

Account No: **(Fund)-5032-56100-20194**

Program: 5032 Traffic Operations
Department: Public Works, Traffic
Project Manager: Dave Allenbach
Manager Title: Transportation Analyst

General Plan Element: Circulation & Mobility
Estimated Completion Date: August 2015
Environmental Status: Categorical Exemption

Project Description:
Upgrade fourteen (14) uncontrolled crosswalks, crossing arterials with safety features such as high visibility crosswalks and solar powered pedestrian warning signs with flashing LEDs, or solar powered flashing in-pavement lighting. The fourteen intersections are as follows: 1) Main @ Maple, 2) Prospect @ Maple, 3) Collins @ Lemon, 4) Chapman @ Citrus, 5) Chapman @ Cypress, 6) Chapman @ Pixley, 7) Chapman @ Pepper, 8) Chapman @ Lester, 9) Almond @ Olive, 10) Glassell @ Mayfair, 11) Glassell @ Rose, 12) Spring @ Virage, 13) Spring @ Seranado, 14) Cambridge @ Adams.

COST SUMMARY

Life-to-Date Expenditures	**$0**
12/13 Budget + 11/12 CarryOver	**$0**
Carry Over + 7 Year Total	**+) $246,700**
Project Total	**$246,700**

Design		CarryOver	13-14	14-15	15-16	16-17	17-18	18-19	19-20	Total
550	HSIP	-	$27,000	-	-	-	-	-	-	$27,000
263	Measure "M2" Turnback	-	$3,000	-	-	-	-	-	-	$3,000
	SUBTOTAL	-	$30,000	-	-	-	-	-	-	$30,000
Construction		**CarryOver**	**13-14**	**14-15**	**15-16**	**16-17**	**17-18**	**18-19**	**19-20**	**Total**
550	HSIP	-	$195,000	-	-	-	-	-	-	$195,000
263	Measure "M2" Turnback	-	$21,700	-	-	-	-	-	-	$21,700
	SUBTOTAL	-	$216,700	-	-	-	-	-	-	$216,700
	YEAR TOTAL	$0	$246,700	-	-	-	-	-	-	$246,700

CITY OF ORANGE
2013-2014 to 2019-2020
SEVEN YEAR
CAPITAL IMPROVEMENT PROGRAM

PROJECT 20205
St. College/City Dr. Signal Synch.

Account No: **(Fund)-5032-56100-20205**

Program: 5032 Traffic Operations
Department: Public Works, Traffic
Project Manager: Amir Farahani
Manager Title: City Traffic Engineer

General Plan Element: Circulation & Mobility
Estimated Completion Date: June 2014
Environmental Status: Exempt

Project Description:
This is a multi-jurisdictional traffic signal synchronization project along the State College Boulevard/The City Drive Corridor between Via Burton Street in the City of Anaheim, and Garden Grove Boulevard in the City of Orange. It is part of OCTA's Measure M2 Project P- Regional Traffic Synchronization Program covering 35 intersection traffic signals in the Cities of Anaheim and Orange, and the State of California Department of Transportation. All agencies are required to provide a minimum of 20 percent matching funds including cash and in-kind such as staffing and equipment purchase for these projects.

COST SUMMARY

Life-to-Date Expenditures	**$0**
12/13 Budget + 11/12 CarryOver	**$0**
Carry Over + 7 Year Total	**+) $59,000**
Project Total	**$59,000**

Engineering & Construction	CarryOver	13-14	14-15	15-16	16-17	17-18	18-19	19-20	Total
263 Measure "M2" Turnback	-	$59,000	-	-	-	-	-	-	$59,000
SUBTOTAL	-	$59,000	-	-	-	-	-	-	$59,000
YEAR TOTAL	$0	$59,000	-	-	-	-	-	-	$59,000

CITY OF ORANGE
2013-2014 to 2019-2020
SEVEN YEAR
CAPITAL IMPROVEMENT PROGRAM

PROJECT 30009
Pedestrian Countdown Signals

Account No: **(Fund)-5032-56100-30009**

Program: 5032 Traffic Operations
Department: Public Works, Traffic
Project Manager: Doug Keys
Manager Title: Transportation Analyst

General Plan Element: Circ&Mobility/Safety
Estimated Completion Date: July 2013
Environmental Status: Exempt

Project Description:
Installation of pedestrian countdown signals and ADA push buttons at 33 signalized intersections near 22 schools. All intersections will be restriped in Thermoplastic, and warning signs installed where needed. This project will be funded by the Safe Route to Schools (SR2S) Program and will also provide 20 battery back-ups for the intersections that do not currently have this amenity.

COST SUMMARY

Life-to-Date Expenditures	**$116,574**
12/13 Budget + 11/12 CarryOver	**$133,617**
Carry Over + 7 Year Total	**+) $265,068**
Project Total	**$515,259**

Purchase		CarryOver	13-14	14-15	15-16	16-17	17-18	18-19	19-20	Total
550	Safe Route to School (SR2S)	$227,853	-	-	-	-	-	-	-	$227,853
SUBTOTAL		$227,853	-	-	-	-	-	-	-	$227,853
Construction		**CarryOver**	**13-14**	**14-15**	**15-16**	**16-17**	**17-18**	**18-19**	**19-20**	**Total**
272	Gas Tax	$37,215	-	-	-	-	-	-	-	$37,215
SUBTOTAL		$37,215	-	-	-	-	-	-	-	$37,215
YEAR TOTAL		$265,068	-	-	-	-	-	-	-	$265,068

City of Orange

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