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CITY OF ORANGE
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CAPITAL IMPROVEMENT PROGRAM

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: Assc. Civil Engineer

General Plan Element: Circ&Mobility/Growth
Estimated Completion Date: July 2011
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

Prior Years' Expenditures	**$78,130**
Carry Over + 7-Year Total	**$705,184**
Future Proposed	
+)	**$0**
Project Total	**$783,314**

Engineering & Construction		CarryOver	11-12	12-13	13-14	14-15	15-16	16-17	17-18	Total
285	TSIP Area "C"	$8,819	-	-	-	-	-	-	-	$8,819
SUBTOTAL		$8,819	-	-	-	-	-	-	-	$8,819

Construction		CarryOver	11-12	12-13	13-14	14-15	15-16	16-17	17-18	Total
550	CTFP - GMA 4	$349,000	-	-	-	-	-	-	-	$349,000
550	CTFP - GMA 7	$100,000	-	-	-	-	-	-	-	$100,000
550	CTFP - SIP	$167,365	-	-	-	-	-	-	-	$167,365
550	Developer Contribution - Irvine Company	$80,000	-	-	-	-	-	-	-	$80,000
SUBTOTAL		$696,365	-	-	-	-	-	-	-	$696,365
YEAR TOTAL		$705,184	-	-	-	-	-	-	-	$705,184

CITY OF ORANGE
2011-2012 to 2017-2018
SEVEN YEAR
CAPITAL IMPROVEMENT PROGRAM

PROJECT 16049
Wireless Signal Interconnect - NW City

Account No: **(Fund)-5032-56100-16049**

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

General Plan Element: Circ&Mobility/Growth
Estimated Completion Date: January 2011
Environmental Status: Exempt

Project Description:
Project will upgrade traffic signal controllers and create wireless communications links between 18 traffic signals in the northwest portion of the City, and the City's Traffic Management Center to aid in signal coordination.

COST SUMMARY

Prior Years' Expenditures
$227,173

Carry Over + 7-Year Total
$22,827

Future Proposed
+) $0

Project Total
$250,000

Construction		CarryOver	11-12	12-13	13-14	14-15	15-16	16-17	17-18	Total
550	CTFP - GMA 3	$22,827	-	-	-	-	-	-	-	$22,827
SUBTOTAL		$22,827	-	-	-	-	-	-	-	$22,827
YEAR TOTAL		$22,827	-	-	-	-	-	-	-	$22,827

CITY OF ORANGE
2011-2012 to 2017-2018
SEVEN YEAR
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: Traffic Engineer

General Plan Element: Land/Circ&Mobility/Growth
Estimated Completion Date: December 2011
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

Prior Years' Expenditures
$3,319,024

Carry Over + 7-Year Total
$373,799

Future Proposed
+) $0

Project Total
$3,692,823

Construction		CarryOver	11-12	12-13	13-14	14-15	15-16	16-17	17-18	Total
944	2008 RDA Bond Proceeds	$350,000	-	-	-	-	-	-	-	$350,000
550	CTFP - GMA 3	$23,799	-	-	-	-	-	-	-	$23,799
SUBTOTAL		$373,799	-	-	-	-	-	-	-	$373,799
YEAR TOTAL		$373,799	-	-	-	-	-	-	-	$373,799

CITY OF ORANGE
2011-2012 to 2017-2018
SEVEN YEAR
CAPITAL IMPROVEMENT PROGRAM

PROJECT 16066
Old Towne Street Light Replacement

Account No: **(Fund)-9810-56100-16066**

Program: 9810 RDA Admin & Operations
Department: Public Works, Traffic
Project Manager: Dave Allenbach
Manager Title: Transportation Analyst

General Plan Element: Land/Circ&Mobility/Infra.
Estimated Completion Date: December 2011
Environmental Status: Exempt

Project Description:
This project will replace existing Edison Cobra Head lights with City owned Acorn style and Old Towne Street lights on Cypress, Lemon, and Olive Streets from Chapman Avenue to Almond Avenue, and on Shaffer Street from Chapman Avenue to Maple Avenue in the Old Towne District.

COST SUMMARY

Prior Years' Expenditures	**$50,000**
Carry Over + 7-Year Total	**$350,000**
Future Proposed	
+)	**$0**
Project Total	**$400,000**

Construction		CarryOver	11-12	12-13	13-14	14-15	15-16	16-17	17-18	Total
944	2008 RDA Bond Proceeds	$350,000	-	-	-	-	-	-	-	$350,000
SUBTOTAL		$350,000	-	-	-	-	-	-	-	$350,000
YEAR TOTAL		$350,000	-	-	-	-	-	-	-	$350,000

CITY OF ORANGE
2011-2012 to 2017-2018
SEVEN YEAR
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: Traffic Engineer

General Plan Element: Circ&Mobility/Growth
Estimated Completion Date: December 2011
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

Prior Years' Expenditures	**$106,270**
Carry Over + 7-Year Total	**$3,761**
Future Proposed	
+)	**$0**
Project Total	**$110,031**

Construction		CarryOver	11-12	12-13	13-14	14-15	15-16	16-17	17-18	Total
550	CTFP - GMA 3	$3,761	-	-	-	-	-	-	-	$3,761
SUBTOTAL		$3,761	-	-	-	-	-	-	-	$3,761
YEAR TOTAL		$3,761	-	-	-	-	-	-	-	$3,761

CITY OF ORANGE
2011-2012 to 2017-2018
SEVEN YEAR
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: Traffic Engineer

General Plan Element: Circ&Mobility/Growth
Estimated Completion Date: June 2012
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

Prior Years' Expenditures	**$0**
Carry Over + 7-Year Total	**$186,900**
Future Proposed	
+)	**$0**
Project Total	**$186,900**

Design		CarryOver	11-12	12-13	13-14	14-15	15-16	16-17	17-18	Total
262	Measure "M"	$18,300	-	-	-	-	-	-	-	$18,300
SUBTOTAL		$18,300	-	-	-	-	-	-	-	$18,300

Construction		CarryOver	11-12	12-13	13-14	14-15	15-16	16-17	17-18	Total
272	Gas Tax	-	$1,000	-	-	-	-	-	-	$1,000
550	HSIP	-	$167,600	-	-	-	-	-	-	$167,600
SUBTOTAL		-	$168,600	-	-	-	-	-	-	$168,600
YEAR TOTAL		$18,300	$168,600	-	-	-	-	-	-	$186,900

CITY OF ORANGE
2011-2012 to 2017-2018
SEVEN YEAR
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: Traffic Engineer

General Plan Element: Land/Circ&Mobility/Growth
Estimated Completion Date: June 2012
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

Prior Years' Expenditures	**$1,368**
Carry Over + 7-Year Total	**$263,892**
Future Proposed	
+)	**$0**
Project Total	**$265,260**

Design		CarryOver	11-12	12-13	13-14	14-15	15-16	16-17	17-18	Total
284	TSIP Area "B"	$26,000	-	-	-	-	-	-	-	$26,000
SUBTOTAL		$26,000	-	-	-	-	-	-	-	$26,000

Construction		CarryOver	11-12	12-13	13-14	14-15	15-16	16-17	17-18	Total
550	Chapman Univ. Grant	-	$147,500	-	-	-	-	-	-	$147,500
284	TSIP Area "B"	$90,392	-	-	-	-	-	-	-	$90,392
SUBTOTAL		$90,392	$147,500	-	-	-	-	-	-	$237,892
YEAR TOTAL		$116,392	$147,500	-	-	-	-	-	-	$263,892

CITY OF ORANGE
2011-2012 to 2017-2018
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 and other related traffic calming devices as directed by the Traffic Commission and City Traffic Engineer.

COST SUMMARY

Prior Years' Expenditures
$687,809

Carry Over + 7-Year Total
$369,368

Future Proposed
+) $0

Project Total
$1,057,177

Construction		CarryOver	11-12	12-13	13-14	14-15	15-16	16-17	17-18	Total
272	Gas Tax	$6,516	-	-	-	-	-	-	-	$6,516
262	Measure M Turnback	$62,852	$50,000	$50,000	$50,000	$50,000	$50,000	$50,000	-	$362,852
SUBTOTAL		$69,368	$50,000	$50,000	$50,000	$50,000	$50,000	$50,000	-	$369,368
YEAR TOTAL		$69,368	$50,000	$50,000	$50,000	$50,000	$50,000	$50,000	-	$369,368

CITY OF ORANGE
2011-2012 to 2017-2018
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: 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

Prior Years' Expenditures	**$95,000**
Carry Over + 7-Year Total	**$285,000**
Future Proposed	
+)	**$0**
Project Total	**$380,000**

Study		CarryOver	11-12	12-13	13-14	14-15	15-16	16-17	17-18	Total
262	Measure "M"	$95,000	-	$95,000	-	$95,000	-	-	-	$285,000
SUBTOTAL		$95,000	-	$95,000	-	$95,000	-	-	-	$285,000
YEAR TOTAL		$95,000	-	$95,000	-	$95,000	-	-	-	$285,000

CITY OF ORANGE
2011-2012 to 2017-2018
SEVEN YEAR
CAPITAL IMPROVEMENT PROGRAM

PROJECT 16305
Traffic Signal Controller Change-out

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

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

General Plan Element: Circ&Mobility/Growth
Estimated Completion Date: July 2012
Environmental Status: Exempt

Project Description:
The City maintains 149 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. 2010-11 will continue to the process of updating or replacing controllers and access future signal controller needs.

COST SUMMARY

Prior Years' Expenditures	**$173,982**
Carry Over + 7-Year Total	**$66,016**
Future Proposed	
+)	**$0**
Project Total	**$239,998**

Purchase & Installation		CarryOver	11-12	12-13	13-14	14-15	15-16	16-17	17-18	Total
272	Gas Tax	$12,767	-	-	-	-	-	-	-	$12,767
262	Measure "M"	$53,249	-	-	-	-	-	-	-	$53,249
SUBTOTAL		$66,016	-	-	-	-	-	-	-	$66,016
YEAR TOTAL		$66,016	-	-	-	-	-	-	-	$66,016

CITY OF ORANGE
2011-2012 to 2017-2018
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 Engineer

General Plan Element: Infra/Urban/Econ Dev
Estimated Completion Date: June 2014
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 150 signalized intersections and this project would paint approximately 17% of those intersections per year.

COST SUMMARY

Prior Years' Expenditures
$268,857

Carry Over + 7-Year Total
$205,275

Future Proposed
+) $0

Project Total
$474,132

Construction		CarryOver	11-12	12-13	13-14	14-15	15-16	16-17	17-18	Total
262	Measure M Turnback	$45,308	$100,000	-	-	-	-	-	-	$145,308
280	TSIP Area "A"	$59,967	-	-	-	-	-	-	-	$59,967
SUBTOTAL		$105,275	$100,000	-	-	-	-	-	-	$205,275
YEAR TOTAL		$105,275	$100,000	-	-	-	-	-	-	$205,275

CITY OF ORANGE
2011-2012 to 2017-2018
SEVEN YEAR
CAPITAL IMPROVEMENT PROGRAM

PROJECT 20042
Old Towne Street Lights

Account No: **(Fund)-9645-56100-20042**

Program: 9645 CDBG Projects
Department: Public Works, Traffic
Project Manager: Dave Allenbach
Manager Title: Transportation Analyst

General Plan Element: Land/Circ&Mobility/Infra.
Estimated Completion Date: December 2011
Environmental Status: Exempt

Project Description:
This project will replace existing Edison Cobra Head lights with City owned Acorn style and Old Towne Street lights on Lemon Street from Palmyra Avenue to Almond Avenue, and on Almond Avenue from Cypress Street to Olive Street in the Old Towne District.

COST SUMMARY

Prior Years' Expenditures	**$0**
Carry Over + 7-Year Total	**$100,000**
Future Proposed +)	**$0**
Project Total	**$100,000**

Construction		CarryOver	11-12	12-13	13-14	14-15	15-16	16-17	17-18	Total
310	Community Development Block Grant	$100,000	-	-	-	-	-	-	-	$100,000
SUBTOTAL		$100,000	-	-	-	-	-	-	-	$100,000
YEAR TOTAL		$100,000	-	-	-	-	-	-	-	$100,000

CITY OF ORANGE
2011-2012 to 2017-2018
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: Traffic Engineer

General Plan Element: Circ&Mobil/Public Safety
Estimated Completion Date: November 2012
Environmental Status: Exempt

Project Description:
Installation of Radar Feedback Speed Signs on three arterials with a history of Speed Related Accidents: Cannon Street, Santiago Canyon Road to Chapman; Chapman Avenue, Cannon to Orange Park Blvd; and La Veta Avenue, Yorba to Esplanade.

COST SUMMARY

Prior Years' Expenditures	**$0**
Carry Over + 7-Year Total	**$196,700**
Future Proposed	
+)	**$0**
Project Total	**$196,700**

Design and Purchase		CarryOver	11-12	12-13	13-14	14-15	15-16	16-17	17-18	Total
272	Gas Tax	-	$19,800	-	-	-	-	-	-	$19,800
550	HSIP	-	$176,900	-	-	-	-	-	-	$176,900
SUBTOTAL		-	$196,700	-	-	-	-	-	-	$196,700
YEAR TOTAL		$0	$196,700	-	-	-	-	-	-	$196,700

CITY OF ORANGE
2011-2012 to 2017-2018
SEVEN YEAR
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: Traffic Engineer

General Plan Element: Circ&Mobil/Public Safety
Estimated Completion Date: December 2012
Environmental Status: Exempt

Project Description:
Installation of Radar Feedback Speed Signs on four arterials with a history of Speed Related Accidents: Cannon Street, Via Escola to Santiago Canyon Road; Serrano Avenue, Cannon to Kendra; Santiago Canyon Road, Jamboree to SR-241; and Collins Avenue, Shaffer to Tustin.

COST SUMMARY

Prior Years' Expenditures	**$0**
Carry Over + 7-Year Total	**$219,300**
Future Proposed **+)**	**$0**
Project Total	**$219,300**

Design and Purchase		CarryOver	11-12	12-13	13-14	14-15	15-16	16-17	17-18	Total
272	Gas Tax	-	$22,800	-	-	-	-	-	-	$22,800
550	HSIP	-	$196,500	-	-	-	-	-	-	$196,500
SUBTOTAL		-	$219,300	-	-	-	-	-	-	$219,300
YEAR TOTAL		$0	$219,300	-	-	-	-	-	-	$219,300

CITY OF ORANGE
2011-2012 to 2017-2018
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 2011
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

Prior Years' Expenditures	**$0**
Carry Over + 7-Year Total	**$409,200**
Future Proposed +)	**$0**
Project Total	**$409,200**

Purchase		CarryOver	11-12	12-13	13-14	14-15	15-16	16-17	17-18	Total
550	Safe Route to School (SR2S)	$368,280	-	-	-	-	-	-	-	$368,280
SUBTOTAL		$368,280	-	-	-	-	-	-	-	$368,280

Construction		CarryOver	11-12	12-13	13-14	14-15	15-16	16-17	17-18	Total
272	Gas Tax	$40,920	-	-	-	-	-	-	-	$40,920
SUBTOTAL		$40,920	-	-	-	-	-	-	-	$40,920
YEAR TOTAL		$409,200	-	-	-	-	-	-	-	$409,200

City of Orange

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