

**CITY OF SAN BERNARDINO
CAPITAL IMPROVEMENT PROGRAM
2010-2011 thru 2014-2015
STORM DRAINS**

Summary of Budget Requirements

| CIP No. | PROJECT | WARD | LEAD DEPT | WO | Previous Carryover | 2010-2011 | 2011-2012 | 2012-2013 | 2013-2014 | 2014-2015 | TOTALS | Beyond 5 Years |
|--------------------------------|---|------|-----------|------|--------------------|----------------|----------------|------------------|----------------|----------------|------------------|------------------|
| SD - A | Cross Gutters and Drainage Inlet Repairs | ALL | PW | 7167 | 34,998 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 284,998 | 0 |
| SD - B | Box Culvert Repairs | ALL | PW | 7166 | 124,800 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 374,800 | 0 |
| SD - C | Cleaning Storm Drains and Debris Basins | ALL | PS | 7574 | 61,100 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 311,100 | 0 |
| SD - D | Cleaning of Channels | ALL | PS | 7709 | 90,546 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 340,546 | 0 |
| SD - E | Storm Drain C.I.P. Administration | ALL | PW | 7853 | 9,968 | 12,500 | 12,500 | 12,500 | 12,500 | 12,500 | 72,468 | 0 |
| SD04-004 | Mountain Ave Storm Drain: Replace Storm Drain between 39th Street & 40th Street | 4 | PW | 7206 | 470,350 | 0 | 0 | 0 | 0 | 0 | 470,350 | 0 |
| SD04-008 | State St Storm Drain: Install Master Plan Storm Drain at I-210 Freeway | 6 | PW | 7316 | 1,121,882 | 0 | 0 | 0 | 0 | 0 | 1,121,882 | 0 |
| SD04-015 | Highland Ave Storm Drain from Central Ave to Baldrige Creek | 4 | PW | 7477 | 341,543 | 0 | 0 | 0 | 0 | 0 | 341,543 | 0 |
| SD04-019 | Repair Storm Drain Outlet on 40th Street | 4 | PW | 7711 | 225,000 | 0 | 0 | 100,000 | 0 | 0 | 325,000 | 0 |
| SD04-024 | Base Line St at Waterman Ave Storm Drain | 1,2 | PW | 7854 | 100,000 | 0 | 0 | 200,000 | 100,000 | 100,000 | 500,000 | 1,000,000 |
| SD05-001 | Alabama St Bridge Replacement Study at City Creek south of 3rd Street | 1 | PW | 7517 | 290,000 | 0 | 0 | 0 | 0 | 0 | 290,000 | 0 |
| SD05-002 | Piedmont Dr & Indian Canyon Drainage Modification | 4 | PS | 7478 | 149,400 | 0 | 0 | 0 | 0 | 0 | 149,400 | 0 |
| SD05-003 | Meridian Ave & Poplar St - CSDP Project 3-5, Line F (design only) | 3,6 | PW | 7768 | 581,700 | 0 | 0 | 500,000 | 0 | 0 | 1,081,700 | 0 |
| SD06-002 | Sierra Way Storm Drain Installation from 30th Street to 40th Street (Design Only) | 4,7 | PW | 7572 | 199,800 | 0 | 0 | 200,000 | 200,000 | 200,000 | 799,800 | 0 |
| SD08-002 | Storm Drain Study for Meyers Canyon Comprehensive Storm Drain Plan No's 7-E9, 7-E10 & 7-E11 | 5 | PW | 7770 | 97,900 | 0 | 0 | 0 | 0 | 0 | 97,900 | 0 |
| SD09-001 | 27th Street Storm Drain from Little Mountain Rd to "H" Street (design only) | 2,7 | PW | 7834 | 296,842 | 0 | 0 | 200,000 | 200,000 | 200,000 | 896,842 | 1,600,000 |
| SD09-002 | Repair Drainage System - "I" Street (between Evans St & 13th Street) | 1 | PW | 7835 | 50,000 | 0 | 0 | 0 | 0 | 0 | 50,000 | 0 |
| SD10-001 | Wier Rd & Commercial - Convert "U" Ditch to Pipe | 3 | PS | 7855 | 25,000 | 0 | 0 | 0 | 0 | 0 | 25,000 | 0 |
| TOTALS - ALL PROJECTS : | | | | | 4,270,829 | 212,500 | 212,500 | 1,412,500 | 712,500 | 712,500 | 7,533,329 | 2,600,000 |

**CITY OF SAN BERNARDINO
CAPITAL IMPROVEMENT PROGRAM**

Funding Detail : 2010-2011 thru 2014-2015

STORM DRAINS

CIP No. : SD- A

Cross Gutters and Drainage Inlet Repairs

WARD : ALL

WORK ORDER : 7167

PROJECT DESCRIPTION:

Upgrade Cross Gutters and Drainage Inlets at Various Locations.

COMMENTS:

This is an annual program for upgrading cross gutters and drainage inlets.

There are many existing cross gutters and storm drain inlets that require improvement due to traffic damage, tree roots, deterioration due to age, and failure of the sub grade.

This fund allows City forces or contractors to repair and replace cross gutters and drainage inlets.

| Funding Source | Account No. | TOTAL COST | Est. Prior Exp. | Previous CIP Carryover | 2010-2011 | 2011-2012 | 2012-2013 | 2013-2014 | 2014-2015 |
|-------------------------------|--------------|---------------------|--------------------|------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Storm Drain Construction Fund | 248-368-5504 | \$316,600.00 | \$31,602.42 | \$34,997.58 | \$50,000.00 | \$50,000.00 | \$50,000.00 | \$50,000.00 | \$50,000.00 |
| TOTALS | | \$316,600.00 | \$31,602.42 | \$34,997.58 | \$50,000.00 | \$50,000.00 | \$50,000.00 | \$50,000.00 | \$50,000.00 |

**CITY OF SAN BERNARDINO
CAPITAL IMPROVEMENT PROGRAM**

Funding Detail : 2010-2011 thru 2014-2015

STORM DRAINS

CIP No. : SD- B

Box Culvert Repairs

WARD : ALL

WORK ORDER : 7166

PROJECT DESCRIPTION:

Repair Failed Box Culverts at Various Locations.

Locations not yet identified.

COMMENTS:

This is an annual program for box culvert improvements.

A box culvert is a storm drain facility used to drain storm water under street intersections and sidewalks. Box culverts are designed and installed to prevent flooding of street intersections during minor rainstorms.

| Funding Source | Account No. | TOTAL COST | Est. Prior Exp. | Previous CIP Carryover | 2010-2011 | 2011-2012 | 2012-2013 | 2013-2014 | 2014-2015 |
|-------------------------------|--------------|---------------------|--------------------|------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Storm Drain Construction Fund | 248-368-5504 | \$399,000.00 | \$24,200.46 | \$124,799.54 | \$50,000.00 | \$50,000.00 | \$50,000.00 | \$50,000.00 | \$50,000.00 |
| TOTALS | | \$399,000.00 | \$24,200.46 | \$124,799.54 | \$50,000.00 | \$50,000.00 | \$50,000.00 | \$50,000.00 | \$50,000.00 |

**CITY OF SAN BERNARDINO
CAPITAL IMPROVEMENT PROGRAM**

Funding Detail : 2010-2011 thru 2014-2015

STORM DRAINS

CIP No. : SD- C

Cleaning Storm Drains and Debris Basins

WARD : ALL

WORK ORDER : 7574

PROJECT DESCRIPTION:

Cleaning Storm Drains and Debris Basins.

Locations not yet identified.

COMMENTS:

Periodic cleaning of storm drains has become necessary in order to comply with National Pollutant Discharge Elimination System (NPDES) requirements.

This project all provides a funding source for additional basin cleaning.

| Funding Source | Account No. | TOTAL COST | Est. Prior Exp. | Previous CIP Carryover | 2010-2011 | 2011-2012 | 2012-2013 | 2013-2014 | 2014-2015 |
|-------------------------------|--------------|---------------------|-----------------|------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Storm Drain Construction Fund | 248-368-5504 | \$311,100.00 | \$0.00 | \$61,100.00 | \$50,000.00 | \$50,000.00 | \$50,000.00 | \$50,000.00 | \$50,000.00 |
| TOTALS | | \$311,100.00 | \$0.00 | \$61,100.00 | \$50,000.00 | \$50,000.00 | \$50,000.00 | \$50,000.00 | \$50,000.00 |

**CITY OF SAN BERNARDINO
CAPITAL IMPROVEMENT PROGRAM**

Funding Detail : 2010-2011 thru 2014-2015

STORM DRAINS

CIP No. : SD- D

Cleaning of Channels

WARD : ALL

WORK ORDER : 7709

PROJECT DESCRIPTION:

Cleaning of Channels at Various Locations.

Locations not yet identified.

COMMENTS:

Periodic cleaning of storm channels has become necessary in order to comply with National Pollutant Discharge Elimination System (NPDES) and the City's MS4 Permit requirements.

Maintaining these channels prior to storm warnings will eliminate or reduce potential overflow that could cause damage to adjacent facilities.

| Funding Source | Account No. | TOTAL COST | Est. Prior Exp. | Previous CIP Carryover | 2010-2011 | 2011-2012 | 2012-2013 | 2013-2014 | 2014-2015 |
|-------------------------------|--------------|---------------------|--------------------|------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Storm Drain Construction Fund | 248-368-5504 | \$381,300.00 | \$40,754.06 | \$90,545.94 | \$50,000.00 | \$50,000.00 | \$50,000.00 | \$50,000.00 | \$50,000.00 |
| TOTALS | | \$381,300.00 | \$40,754.06 | \$90,545.94 | \$50,000.00 | \$50,000.00 | \$50,000.00 | \$50,000.00 | \$50,000.00 |

**CITY OF SAN BERNARDINO
CAPITAL IMPROVEMENT PROGRAM**

Funding Detail : 2010-2011 thru 2014-2015

STORM DRAINS

CIP No. : SD- E

Storm Drain C.I.P. Administration

WARD : ALL

WORK ORDER : 7853

PROJECT DESCRIPTION:

Administer the C.I.P. Storm Drain projects.

COMMENTS:

This provides funding for staff time related to administration and project management of C.I.P. Storm Drain projects.

| Funding Source | Account No. | TOTAL COST | Est. Prior Exp. | Previous CIP Carryover | 2010-2011 | 2011-2012 | 2012-2013 | 2013-2014 | 2014-2015 |
|-------------------------------|--------------|--------------------|-------------------|------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Storm Drain Construction Fund | 248-368-5504 | \$75,000.00 | \$2,531.64 | \$9,968.36 | \$12,500.00 | \$12,500.00 | \$12,500.00 | \$12,500.00 | \$12,500.00 |
| TOTALS | | \$75,000.00 | \$2,531.64 | \$9,968.36 | \$12,500.00 | \$12,500.00 | \$12,500.00 | \$12,500.00 | \$12,500.00 |

**CITY OF SAN BERNARDINO
CAPITAL IMPROVEMENT PROGRAM**

Funding Detail : 2010-2011 thru 2014-2015

STORM DRAINS

CIP No. : SD04-004

Mountain Ave Storm Drain: Replace Storm Drain between 39th Street & 40th Street

WARD : 4

WORK ORDER : 7206

PROJECT DESCRIPTION:

Remove and replace existing 30" corrugated metal pipe (CMP) on Mountain Avenue between 39th Street and 40th Street.

COMMENTS:

The existing storm drain facilities on Mountain Avenue, between 39th Street and 40th Street, consist of a 54-inch reinforced concrete pipe (RCP), a 2 ft. X 3 ft. rock-lined channel, a 30-inch CMP and an asphalt concrete trapezoidal channel. These older drainage facilities are failing and this results in storm water undermining the roadway on Mountain Avenue.

This project will be done in conjunction with the street-widening project (SS04-18).

| Funding Source | Account No. | TOTAL COST | Est. Prior Exp. | Previous CIP Carryover | 2010-2011 | 2011-2012 | 2012-2013 | 2013-2014 | 2014-2015 |
|-------------------------------|--------------|---------------------|---------------------|------------------------|---------------|---------------|---------------|---------------|---------------|
| Storm Drain Construction Fund | 248-368-5504 | \$595,000.00 | \$124,650.01 | \$470,349.99 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| TOTALS | | \$595,000.00 | \$124,650.01 | \$470,349.99 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |

**CITY OF SAN BERNARDINO
CAPITAL IMPROVEMENT PROGRAM**

Funding Detail : 2010-2011 thru 2014-2015

STORM DRAINS

CIP No. : SD04-008

State St Storm Drain: Install Master Plan Storm Drain at I-210 Freeway

WARD : 6

WORK ORDER : 7316

PROJECT DESCRIPTION:

Installed Storm Drain in State Street between Lytle Creek and the State Route (SR) 210 Freeway Extension.

COMMENTS:

The San Bernardino Associated Governments (SANBAG) is the lead agency for the design and construction of the SR-210 freeway extension. The freeway extension required the installation of the State Street storm drain to convey storm water runoff from North of the proposed I-210 Freeway to Lytle Creek. An agreement between the City and SANBAG was approved for this storm drain to be installed by the SR-210 Freeway contractor together with the construction of the SR-210 extension. This is a replacement for CSDP Project No 7-D9. The alignment was originally planned for California Street, but it was moved to State Street to coincide with the State Street improvements. The size was increased to meet Caltrans' design criteria for a 100-year storm. SANBAG estimated the cost of construction of the State Street storm drain to be \$7,642,340 in 2004, excluding the cost of the relocation of the utilities and environmental mitigation.. The agreement with SANBAG required the City to match with 25%, or about \$1,910,585, plus interest. The utilities work primarily involving relocation of a 48-inch waterline owned by San Bernardino Valley Municipal Water District and relocation of an Edison transmission power pole. SANBAG agreed to front the funds for the project (including the cost of relocation of the utilities) and allow the City to pay back the loan of up to \$2,210,585 plus the cost of change orders and environmental mitigation over a period of six years. SANBAG has agreed to charge no interest on the first three years of the loan. Interest on the unpaid balance during the last three years of the loan is estimated to be less than \$100,000. The total cost of the project to the City (including interest) is expected to total approximately \$2,582,300.

This project commenced construction in April 2005 and was completed in April of 2007. Repayment to SANBAG in 6 installments commenced in April 2005, and the final payment to SANBAG will become due in April of 2010. Payment history is as follows: 2005 - \$318,430.83; 2006 - \$335,372.17; 2007 - \$454,940.07 (included catch-up for change orders and environmental mitigation); 2008 - \$815,078.99 (includes catch-up for utility relocation costs), and 2009 – awaiting invoice from SANBAG.

| Funding Source | Account No. | TOTAL COST | Est. Prior Exp. | Previous CIP Carryover | 2010-2011 | 2011-2012 | 2012-2013 | 2013-2014 | 2014-2015 |
|-------------------------------|--------------|-----------------------|-----------------------|------------------------|---------------|---------------|---------------|---------------|---------------|
| Storm Drain Construction Fund | 248-368-5504 | \$3,066,100.00 | \$1,944,217.58 | \$1,121,882.42 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| TOTALS | | \$3,066,100.00 | \$1,944,217.58 | \$1,121,882.42 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |

**CITY OF SAN BERNARDINO
CAPITAL IMPROVEMENT PROGRAM**

Funding Detail : 2010-2011 thru 2014-2015

STORM DRAINS

CIP No. : SD04-015

Highland Ave Storm Drain from Central Ave to Baldrige Creek

WARD : 4

WORK ORDER : 7477

PROJECT DESCRIPTION:

Install storm drain in Highland Avenue from Central Avenue to Baldrige Creek.

COMMENTS:

The existing storm drain facilities on Highland Avenue from Central Avenue to Baldrige Creek consist of 2 ft X 4 ft. rubble rock lined channels and native channels. These aged facilities are failing and cause storm drain water to undermine the existing property adjacent to the channels. The proposed storm drain will comply with the storm water flow rate designed in the comprehensive storm drain plan (CSDP) No. 6. The area of concern is at the intersection of Highland Avenue and Central Avenue. Modifications to the limits may be needed due to right-of-way constraints, fiscal limitations and availability of funds.

An interim design was completed by FPL Associates on April of 2006. Anticipation of development on both southern corners may relieve the City from bearing the full cost of this project.

| Funding Source | Account No. | TOTAL COST | Est. Prior Exp. | Previous CIP Carryover | 2010-2011 | 2011-2012 | 2012-2013 | 2013-2014 | 2014-2015 |
|-------------------------------|--------------|---------------------|---------------------|------------------------|---------------|---------------|---------------|---------------|---------------|
| Storm Drain Construction Fund | 248-368-5504 | \$447,900.00 | \$106,356.66 | \$341,543.34 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| TOTALS | | \$447,900.00 | \$106,356.66 | \$341,543.34 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |

**CITY OF SAN BERNARDINO
CAPITAL IMPROVEMENT PROGRAM**

Funding Detail : 2010-2011 thru 2014-2015

STORM DRAINS

CIP No. : SD04-019

Repair Storm Drain Outlet on 40th Street

WARD : 4

WORK ORDER : 7711

PROJECT DESCRIPTION:

Repair Storm Drain Outlet (Phase II) on 40th Street at Devil's Basin.

COMMENTS:

Phase I emergency repairs have been completed. This work was to seal the joints of the last two links of Reinforced Concrete Pipe (RCP) and repair the damaged outlet structure, which was damaged by storms in 2001 and 2002.

Phase II is to review the seal repairs and rebuild an outlet structure that would adequately service the storm water without damage to the surrounding earth.

| Funding Source | Account No. | TOTAL COST | Est. Prior Exp. | Previous CIP Carryover | 2010-2011 | 2011-2012 | 2012-2013 | 2013-2014 | 2014-2015 |
|-------------------------------|--------------|---------------------|-----------------|------------------------|---------------|---------------|---------------------|---------------|---------------|
| Storm Drain Construction Fund | 248-368-5504 | \$325,000.00 | \$0.00 | \$225,000.00 | \$0.00 | \$0.00 | \$100,000.00 | \$0.00 | \$0.00 |
| TOTALS | | \$325,000.00 | \$0.00 | \$225,000.00 | \$0.00 | \$0.00 | \$100,000.00 | \$0.00 | \$0.00 |

**CITY OF SAN BERNARDINO
CAPITAL IMPROVEMENT PROGRAM**

Funding Detail : 2010-2011 thru 2014-2015

STORM DRAINS

CIP No. : SD04-024

Base Line St at Waterman Ave Storm Drain

WARD : 1,2

WORK ORDER : 7854

PROJECT DESCRIPTION:

Install Storm Drain (CSDP No. 7-A1) through the Intersection of Baseline Street and Waterman Avenue.

COMMENTS:

Historical drainage issues at this intersection have prompted the need for installation of a new storm drain. The City will be utilizing a consultant to design an acceptable alignment that avoids utility conflicts. This design will also provide an estimate of costs to better determine the funding needs.

| Funding Source | Account No. | TOTAL COST | Est. Prior Exp. | Previous CIP Carryover | 2010-2011 | 2011-2012 | 2012-2013 | 2013-2014 | 2014-2015 |
|-------------------------------|--------------|---------------------|-----------------|------------------------|---------------|---------------|---------------------|---------------------|---------------------|
| Storm Drain Construction Fund | 248-368-5504 | \$500,000.00 | \$0.00 | \$100,000.00 | \$0.00 | \$0.00 | \$200,000.00 | \$100,000.00 | \$100,000.00 |
| TOTALS | | \$500,000.00 | \$0.00 | \$100,000.00 | \$0.00 | \$0.00 | \$200,000.00 | \$100,000.00 | \$100,000.00 |

**CITY OF SAN BERNARDINO
CAPITAL IMPROVEMENT PROGRAM**

Funding Detail : 2010-2011 thru 2014-2015

STORM DRAINS

CIP No. : SD05-001

Alabama St Bridge Replacement Study at City Creek south of 3rd Street

WARD : 1

WORK ORDER : 7517

PROJECT DESCRIPTION:

Bridge Replacement Study for Alabama Street Box Culvert at City Creek. Interim project to be constructed is the installation of two additional arch culverts (48 ft. wide X 11 ft. high) to provide additional capacity of storm flows under Alabama Street.

COMMENTS:

Alabama Street crosses City Creek approximately 1,500 feet south of 3rd Street. The storm water flow is conveyed under Alabama Street by an existing 2-cell box culvert, which is undersized and is easily clogged by debris. The clogging in past storm events has resulted in the flooding of Alabama Street and damage to the roadway. The City of Highland has requested that San Bernardino, Redlands, and the San Bernardino County Flood Control District participate in the cost of a joint project to replace the existing culvert with a bridge. Upon completion of the study, the County of San Bernardino, Redlands or San Bernardino will apply for Highway Bridge Restoration and Replacement (HBRR) funds to cover the estimated \$7 million construction cost of a bridge. The study is expected to take several years to complete.

An interim project proposed to be constructed prior to planning, design and construction of the bridge project is the installation of two new culverts to convey additional storm water flow under Alabama Street, minimizing damage to the roadway. Each of the culverts will be approximately 48 ft. wide and 11 ft. high. This interim project is estimated to cost \$3.5 million and the County of San Bernardino is the lead agency. The County of San Bernardino, City of San Bernardino, Highland, Redlands and the San Bernardino International Airport Authority have been requested to participate in funding the project. The County is drafting an agreement for City approval.

| Funding Source | Account No. | TOTAL COST | Est. Prior Exp. | Previous CIP Carryover | 2010-2011 | 2011-2012 | 2012-2013 | 2013-2014 | 2014-2015 |
|-------------------------------|--------------|---------------------|--------------------|------------------------|---------------|---------------|---------------|---------------|---------------|
| Storm Drain Construction Fund | 248-368-5504 | \$360,300.00 | \$70,300.00 | \$290,000.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| TOTALS | | \$360,300.00 | \$70,300.00 | \$290,000.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |

**CITY OF SAN BERNARDINO
CAPITAL IMPROVEMENT PROGRAM**

Funding Detail : 2010-2011 thru 2014-2015

STORM DRAINS

CIP No. : SD05-002

Piedmont Dr & Indian Canyon Drainage Modification

WARD : 4

WORK ORDER : 7478

PROJECT DESCRIPTION:

Modify drainage at Piedmont Drive and Indian Canyon to eliminate the of dirt and debris washing into the street.

COMMENTS:

Currently, dirt and debris are carried by storm flows from Indian Canyon into Piedmont Drive. Staff is proposing to install a diversion barrier and a concrete swale to divert debris laden flows to an existing culvert under Piedmont Drive. Catch basins along Piedmont Drive will be enlarged for increased flow capacity.

| Funding Source | Account No. | TOTAL COST | Est. Prior Exp. | Previous CIP Carryover | 2010-2011 | 2011-2012 | 2012-2013 | 2013-2014 | 2014-2015 |
|-------------------------------|--------------|---------------------|--------------------|------------------------|---------------|---------------|---------------|---------------|---------------|
| Storm Drain Construction Fund | 248-368-5504 | \$159,900.00 | \$10,500.00 | \$149,400.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| TOTALS | | \$159,900.00 | \$10,500.00 | \$149,400.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |

**CITY OF SAN BERNARDINO
CAPITAL IMPROVEMENT PROGRAM**

Funding Detail : 2010-2011 thru 2014-2015

STORM DRAINS

CIP No. : SD05-003

Meridian Ave & Poplar St - CSDP Project 3-5, Line F (design only)

WARD : 3,6

WORK ORDER : 7768

PROJECT DESCRIPTION:

Install Storm Drain on Meridian Avenue from Poplar Street to Flood Control Basin (CSDP 3 – 5, Line F).

COMMENTS:

The City has received numerous complaints from residents and from officials at Kelley Elementary School of flooding at the intersection of Meridian Avenue and Poplar Street. The ultimate solution to the problem is installation of an 84-inch storm drain (CSDP 3 – 5, Line F) in Meridian Avenue at an estimated cost of \$1,000,000.

| Funding Source | Account No. | TOTAL COST | Est. Prior Exp. | Previous CIP Carryover | 2010-2011 | 2011-2012 | 2012-2013 | 2013-2014 | 2014-2015 |
|-------------------------------|--------------|-----------------------|--------------------|------------------------|---------------|---------------|---------------------|---------------|---------------|
| Storm Drain Construction Fund | 248-368-5504 | \$1,152,000.00 | \$70,300.00 | \$581,700.00 | \$0.00 | \$0.00 | \$500,000.00 | \$0.00 | \$0.00 |
| TOTALS | | \$1,152,000.00 | \$70,300.00 | \$581,700.00 | \$0.00 | \$0.00 | \$500,000.00 | \$0.00 | \$0.00 |

**CITY OF SAN BERNARDINO
CAPITAL IMPROVEMENT PROGRAM**

Funding Detail : 2010-2011 thru 2014-2015

STORM DRAINS

CIP No. : SD06-002

Sierra Way Storm Drain Installation from 30th Street to 40th Street (Design Only)

WARD : 4,7

WORK ORDER : 7572

PROJECT DESCRIPTION:

Storm Drain Installation on Sierra Way from 30th Street to 40th Street.

COMMENTS:

Comprehensive Storm Drain Plan (CSDP) Project No. 7-B23 identifies the need for a master plan storm drain in Sierra Way north of 37th Street. The total cost of the storm drain is estimated to be \$1,600,000 (2005). This project will address drainage problems in the vicinity of Sierra Way from 34th Street to 40th Street.

The requested funding for FY 2008/09 will fund the preliminary engineering needed to determine the best alignment.

| Funding Source | Account No. | TOTAL COST | Est. Prior Exp. | Previous CIP Carryover | 2010-2011 | 2011-2012 | 2012-2013 | 2013-2014 | 2014-2015 |
|-------------------------------|--------------|---------------------|-----------------|------------------------|---------------|---------------|---------------------|---------------------|---------------------|
| Storm Drain Construction Fund | 248-368-5504 | \$800,000.00 | \$200.00 | \$199,800.00 | \$0.00 | \$0.00 | \$200,000.00 | \$200,000.00 | \$200,000.00 |
| TOTALS | | \$800,000.00 | \$200.00 | \$199,800.00 | \$0.00 | \$0.00 | \$200,000.00 | \$200,000.00 | \$200,000.00 |

**CITY OF SAN BERNARDINO
CAPITAL IMPROVEMENT PROGRAM**

Funding Detail : 2010-2011 thru 2014-2015

STORM DRAINS

CIP No. : SD08-002

Storm Drain Study for Meyers Canyon Comprehensive Storm Drain Plan No's 7-E9, 7-E10 & 7-E11

WARD : 5

WORK ORDER : 7770

PROJECT DESCRIPTION:

Storm Drain Study for Comprehensive Storm Drain Plan No. 7-E9, 7-E10 and 7-E11 (Meyers Canyon).

COMMENTS:

New development in the Verdemon area drives the need to update the 1982 Comprehensive Study prepared by the County of San Bernardino. Upon completion of the study, the City will have an updated Master Plan for the area.

| Funding Source | Account No. | TOTAL COST | Est. Prior Exp. | Previous CIP Carryover | 2010-2011 | 2011-2012 | 2012-2013 | 2013-2014 | 2014-2015 |
|-------------------------------|--------------|---------------------|-------------------|------------------------|---------------|---------------|---------------|---------------|---------------|
| Storm Drain Construction Fund | 248-368-5504 | \$100,000.00 | \$2,100.00 | \$97,900.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| TOTALS | | \$100,000.00 | \$2,100.00 | \$97,900.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |

**CITY OF SAN BERNARDINO
CAPITAL IMPROVEMENT PROGRAM**

Funding Detail : 2010-2011 thru 2014-2015

STORM DRAINS

CIP No. : SD09-001

27th Street Storm Drain from Little Mountain Rd to "H" Street (design only)

WARD : 2,7

WORK ORDER : 7834

PROJECT DESCRIPTION:

Installation of a Master Plan Storm Drain Facility in 27th Street from Little Mountain Drive to "H" Street.

COMMENTS:

Comprehensive storm drain Plan No. 7-D5 specifies a 69-inch storm drain located along 27th Street to collect storm runoff from developed residential areas. Existing flows on the eastern edge of this storm drain are being altered by the I-215 Freeway widening. The City is proposing to build this storm drain over the next several years to reduce the risk of flooding in this area.

| Funding Source | Account No. | TOTAL COST | Est. Prior Exp. | Previous CIP Carryover | 2010-2011 | 2011-2012 | 2012-2013 | 2013-2014 | 2014-2015 |
|-------------------------------|--------------|---------------------|-------------------|------------------------|---------------|---------------|---------------------|---------------------|---------------------|
| Storm Drain Construction Fund | 248-368-5504 | \$900,000.00 | \$3,157.79 | \$296,842.21 | \$0.00 | \$0.00 | \$200,000.00 | \$200,000.00 | \$200,000.00 |
| TOTALS | | \$900,000.00 | \$3,157.79 | \$296,842.21 | \$0.00 | \$0.00 | \$200,000.00 | \$200,000.00 | \$200,000.00 |

**CITY OF SAN BERNARDINO
CAPITAL IMPROVEMENT PROGRAM**

Funding Detail : 2010-2011 thru 2014-2015

STORM DRAINS

CIP No. : SD09-002

Repair Drainage System - "I" Street (between Evans St & 13th Street)

WARD : 1

WORK ORDER : 7835

PROJECT DESCRIPTION:

Drainage repair on "I" Street from Evans Street to 13th Street.

COMMENTS:

During large rainstorms, material is deposited on "I" Street from Evans Street to 13th Street. A hydrology analysis and preliminary engineering will identify potential solutions to the problem.

| Funding Source | Account No. | TOTAL COST | Est. Prior Exp. | Previous CIP Carryover | 2010-2011 | 2011-2012 | 2012-2013 | 2013-2014 | 2014-2015 |
|-------------------------------|--------------|--------------------|-----------------|------------------------|---------------|---------------|---------------|---------------|---------------|
| Storm Drain Construction Fund | 248-368-5504 | \$50,000.00 | \$0.00 | \$50,000.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| TOTALS | | \$50,000.00 | \$0.00 | \$50,000.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |

**CITY OF SAN BERNARDINO
CAPITAL IMPROVEMENT PROGRAM**

Funding Detail : 2010-2011 thru 2014-2015

STORM DRAINS

CIP No. : SD10-001

Wier Rd & Commercial - Convert "U" Ditch to Pipe

WARD : 3

WORK ORDER : 7855

PROJECT DESCRIPTION:

Study the feasibility of replacing the Concrete "V" Channel with R.C.P. from Wier Road to Commercial Road.

COMMENTS:

The existing "V" Channel requires continual cleaning by Public Services, due to illegal dumping during the night/weekends. An evaluation is needed to determine the feasibility of converting this to a closed pipe system.

| Funding Source | Account No. | TOTAL COST | Est. Prior Exp. | Previous CIP Carryover | 2010-2011 | 2011-2012 | 2012-2013 | 2013-2014 | 2014-2015 |
|-------------------------------|--------------|--------------------|-----------------|------------------------|---------------|---------------|---------------|---------------|---------------|
| Storm Drain Construction Fund | 248-368-5504 | \$25,000.00 | \$0.00 | \$25,000.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |
| TOTALS | | \$25,000.00 | \$0.00 | \$25,000.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 |

City of San Bernardino
 Capital Improvement Program
STORM DRAINS

Capital Projection Description

| CIP NO | PROJECT | DESCRIPTION | FUNDING | COST |
|------------------|--|---|-------------------------------|------------------|
| 2011-2012 | | | | |
| SD- A | Cross Gutters and Drainage Inlet Repairs | Upgrade Cross Gutters and Drainage Inlets at Various Locations. | Storm Drain Construction Fund | \$50,000 |
| SD- B | Box Culvert Repairs | Repair Failed Box Culverts at Various Locations. | Storm Drain Construction Fund | \$50,000 |
| | | Locations not yet identified. | | |
| SD- C | Cleaning Storm Drains and Debris Basins | Cleaning Storm Drains and Debris Basins. | Storm Drain Construction Fund | \$50,000 |
| | | Locations not yet identified. | | |
| SD- D | Cleaning of Channels | Cleaning of Channels at Various Locations. | Storm Drain Construction Fund | \$50,000 |
| | | Locations not yet identified. | | |
| SD- E | Storm Drain C.I.P. Administration | Administer the C.I.P. Storm Drain projects. | Storm Drain Construction Fund | \$12,500 |
| | Total | | | \$212,500 |

City of San Bernardino
 Capital Improvement Program
STORM DRAINS
 Capital Projection Description

| CIP NO | PROJECT | DESCRIPTION | FUNDING | COST |
|------------------|---|--|-------------------------------|-----------|
| 2012-2013 | | | | |
| SD- A | Cross Gutters and Drainage Inlet Repairs | Upgrade Cross Gutters and Drainage Inlets at Various Locations. | Storm Drain Construction Fund | \$50,000 |
| SD- B | Box Culvert Repairs | Repair Failed Box Culverts at Various Locations. | Storm Drain Construction Fund | \$50,000 |
| SD- C | Cleaning Storm Drains and Debris Basins | Locations not yet identified. | | |
| | | Cleaning Storm Drains and Debris Basins. | Storm Drain Construction Fund | \$50,000 |
| SD- D | Cleaning of Channels | Locations not yet identified. | | |
| | | Cleaning of Channels at Various Locations. | Storm Drain Construction Fund | \$50,000 |
| SD- E | Storm Drain C.I.P. Administration | Locations not yet identified. | | |
| | | Administer the C.I.P. Storm Drain projects. | Storm Drain Construction Fund | \$12,500 |
| SD04-019 | Repair Storm Drain Outlet on 40th Street | Repair Storm Drain Outlet (Phase II) on 40th Street at Devil's Basin. | Storm Drain Construction Fund | \$100,000 |
| SD04-024 | Base Line St at Waterman Ave Storm Drain | Install Storm Drain (CSDP No. 7-A1) through the Intersection of Baseline Street and Waterman Avenue. | Storm Drain Construction Fund | \$200,000 |
| SD05-003 | Meridian Ave & Poplar St - CSDP Project 3-5, Line F (design only) | Install Storm Drain on Meridian Avenue from Poplar Street to Flood Control Basin (CSDP 3-5, Line F). | Storm Drain Construction Fund | \$500,000 |
| SD06-002 | Sierra Way Storm Drain Installation from 30th Street to 40th Street (Design Only) | Storm Drain Installation on Sierra Way from 30th Street to 40th Street. | Storm Drain Construction Fund | \$200,000 |

City of San Bernardino
 Capital Improvement Program
STORM DRAINS

Capital Projection Description

| CIP NO | PROJECT | DESCRIPTION | FUNDING | COST |
|-----------------|---|---|-------------------------------|--------------------|
| SD09-001 | 27th Street Storm Drain from Little Mountain Rd to "H" Street (design only) | Installation of a Master Plan Storm Drain Facility in 27th Street from Little Mountain Drive to "H" Street. | Storm Drain Construction Fund | \$200,000 |
| Total | | | | \$1,412,500 |

City of San Bernardino
 Capital Improvement Program
STORM DRAINS
 Capital Projection Description

| CIP NO | PROJECT | DESCRIPTION | FUNDING | COST |
|------------------|---|---|-------------------------------|------------------|
| 2013-2014 | | | | |
| SD- A | Cross Gutters and Drainage Inlet Repairs | Upgrade Cross Gutters and Drainage Inlets at Various Locations. | Storm Drain Construction Fund | \$50,000 |
| SD- B | Box Culvert Repairs | Repair Failed Box Culverts at Various Locations. | Storm Drain Construction Fund | \$50,000 |
| | | Locations not yet identified. | | |
| SD- C | Cleaning Storm Drains and Debris Basins | Cleaning Storm Drains and Debris Basins. | Storm Drain Construction Fund | \$50,000 |
| | | Locations not yet identified. | | |
| SD- D | Cleaning of Channels | Cleaning of Channels at Various Locations. | Storm Drain Construction Fund | \$50,000 |
| | | Locations not yet identified. | | |
| SD- E | Storm Drain C.I.P. Administration | Administer the C.I.P. Storm Drain projects. | Storm Drain Construction Fund | \$12,500 |
| SD04-024 | Base Line St at Waterman Ave Storm Drain | Install Storm Drain (CSDP No. 7-A1) through the Intersection of Baseline Street and Waterman Avenue. | Storm Drain Construction Fund | \$100,000 |
| SD06-002 | Sierra Way Storm Drain Installation from 30th Street to 40th Street (Design Only) | Storm Drain Installation on Sierra Way from 30th Street to 40th Street. | Storm Drain Construction Fund | \$200,000 |
| SD09-001 | 27th Street Storm Drain from Little Mountain Rd to "H" Street (design only) | Installation of a Master Plan Storm Drain Facility in 27th Street from Little Mountain Drive to "H" Street. | Storm Drain Construction Fund | \$200,000 |
| Total | | | | \$712,500 |

City of San Bernardino
 Capital Improvement Program
STORM DRAINS

Capital Projection Description

| CIP NO | PROJECT | DESCRIPTION | FUNDING | COST |
|------------------|---|---|-------------------------------|------------------|
| 2014-2015 | | | | |
| SD- A | Cross Gutters and Drainage Inlet Repairs | Upgrade Cross Gutters and Drainage Inlets at Various Locations. | Storm Drain Construction Fund | \$50,000 |
| SD- B | Box Culvert Repairs | Repair Failed Box Culverts at Various Locations. | Storm Drain Construction Fund | \$50,000 |
| | | Locations not yet identified. | | |
| SD- C | Cleaning Storm Drains and Debris Basins | Cleaning Storm Drains and Debris Basins. | Storm Drain Construction Fund | \$50,000 |
| | | Locations not yet identified. | | |
| SD- D | Cleaning of Channels | Cleaning of Channels at Various Locations. | Storm Drain Construction Fund | \$50,000 |
| | | Locations not yet identified. | | |
| SD- E | Storm Drain C.I.P. Administration | Administer the C.I.P. Storm Drain projects. | Storm Drain Construction Fund | \$12,500 |
| SD04-024 | Base Line St at Waterman Ave Storm Drain | Install Storm Drain (CSDP No. 7-A1) through the Intersection of Baseline Street and Waterman Avenue. | Storm Drain Construction Fund | \$100,000 |
| SD06-002 | Sierra Way Storm Drain Installation from 30th Street to 40th Street (Design Only) | Storm Drain Installation on Sierra Way from 30th Street to 40th Street. | Storm Drain Construction Fund | \$200,000 |
| SD09-001 | 27th Street Storm Drain from Little Mountain Rd to "H" Street (design only) | Installation of a Master Plan Storm Drain Facility in 27th Street from Little Mountain Drive to "H" Street. | Storm Drain Construction Fund | \$200,000 |
| Total | | | | \$712,500 |

City of San Bernardino
 Capital Improvement Program
STORM DRAINS

Capital Projection Description

| CIP NO | PROJECT | DESCRIPTION | FUNDING | COST |
|------------------------|---|---|-------------------------------|--------------------|
| Beyond 5- years | | | | |
| SD04-024 | Base Line St at Waterman Ave Storm Drain | Install Storm Drain (CSDP No. 7-A1) through the Intersection of Baseline Street and Waterman Avenue. | Storm Drain Construction Fund | \$1,000,000 |
| SD09-001 | 27th Street Storm Drain from Little Mountain Rd to "H" Street (design only) | Installation of a Master Plan Storm Drain Facility in 27th Street from Little Mountain Drive to "H" Street. | Storm Drain Construction Fund | \$1,600,000 |
| Total | | | | \$2,600,000 |