

# Drainage Bond Committee Tour

The following is a presentation that was given on January 6, 2007 that included a tour of drainage projects that have are proposed, currently under construction, and/or have been completed.

Projects on blue slides are under construction or previously completed. Projects on green slides are recommended by staff.

For more information on these, please contact Peter Zaroni, Director of the Office of Management & Budget at 207-8360.

# Drainage Tour

January 6, 2007



# Semlinger: Lord to Rigsby



Construction Start  
08/2006

Est. Construction End:  
10/2007

Total street reconstruction to 30' width from Lord to Rigsby, including curbs, sidewalks, driveways, and a storm sewer system with an outfall to Diana and Rigsby.

# W.W. White: Rigsby to Lord



**Construction Began: 10/2003    Construction End: 07/2005**  
Drainage improvements along W.W. White from Rigsby to Lord Rd and on Rigsby from W. W. White to Salado Creek. Also, provided a drainage system along Sea Breeze, Dell Crest and Odessa.

# W.W. White: Riggsby to Lord



Under  
Construction  
Pictures



# W.W. White Outfall, Ph 1, Part I



Est. Construction Start  
02/2007

Est. Construction End:  
08/2008

This project upgrades a drainage system along Diane Road (from Glen Oak to Rigsby Rd.), along Glen Oak (from W.W. White Rd. to Semlinger Rd.), and along Holmgreen to Diane. This drainage system is combination of a concrete lined channel, box culverts, and reinforced concrete pipes.

# W.W. White Outfall, Ph 1, Part 2



Est. Construction Start  
04/2007

Est. Construction End:  
04/2008

This project includes street reconstruction and drainage improvements along Covington and Grobe Dr. from the dead-end to Rigsby with an outfall drain across Rigsby to Salado Creek.

# W.W. White Area Streets Ph II



A storm sewer system is to be constructed along Holmgreen Street to provide drainage for an area between Rice Road (north) and Holmgreen (south). The project will consist of an underground system and an open channel. The new system will discharge into the concrete channel carrying it to the stream. Street reconstruction will be required for Brusk Road from Rice to Goodell; Goodell from Brusk to Schumacher; Schumacher from Rice to Holmgreen; and Holmgreen from WW White to turn just west of My Lane.

## Previous/Current Projects:

Phase I, Part 1 - Upgrade drainage system on Diane and Glenoak - Completion Date: 08/08

Phase I, Part 2 - Upgrade drainage system on Covington and Grobe - Completion Date: 04/08

Project Number:	974
Project Costs:	\$9,089,000
Street Type:	Local
Drainage Type:	Local
Drainage Area:	53 Acres
Street Capacity:	No
Street Preservation:	Yes
MultiModal:	No
Avg Daily Traffic:	Various



# Box Culverts: 2 Types



# Jo Marie: W.W. White to Dead End



Construction Start  
06/2006

Est. Construction End:  
01/2007

This project regrades the roadside ditches on Jo Marie and placing larger pipes under the driveways. The project length is 2,060. feet Phase II (prioritized project) will construct an outfall channel and place underground drainage on W. W. White from Southcross to the Outfall Channel.

# Goliad Rd: Military to Pecan Valley Ph. 1



Construction Start  
06/2006

Est. Construction End:  
08/2007

This project reconstructs Goliad Road from Military Drive to near Lasses. Project includes construction of sidewalks, curbs, driveway approaches, and underground storm system (to reduce flooding problems at Military and Goliad intersection).

# Goliad Rd (Military to Pecan Valley Ph. 2 (Lasses to Pecan Valley))

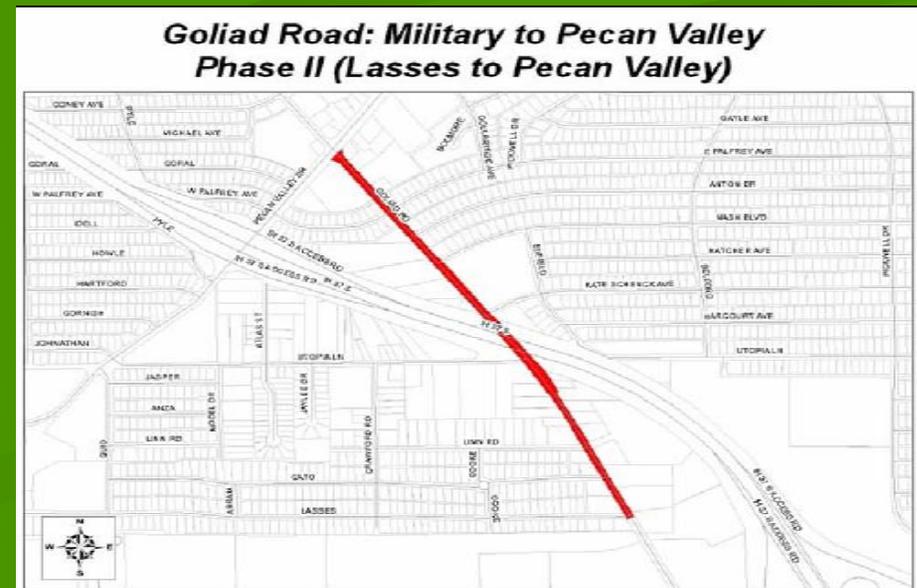


Project Number:	1002
Project Costs:	\$12,175,000
Street Type:	Arterial
Drainage Type:	Regional
Drainage Area:	1.50 SQ Miles
Street Capacity:	No
Street Preservation:	Yes
MultiModal:	Yes
Avg Daily Traffic:	13,000 Vehicles/Day

Continues the Goliad Rd. (Military to Pecan Valley) Ph. 1 project from the end of Ph. 1 (Lasses) to Pecan Valley. It provides for a typical 44 ft wide, 4 lane street section and underground storm system to relieve drainage problems on Goliad Rd. Includes 6-foot sidewalks, curbs, and driveway approaches.

Previous/Current Projects:

Phase I - Military to Lasses - Completion Date:  
08/07



# Brooks City-Base: Economic Generator



- **Proposed Developments:** 225.5 acres of commercial & 140 acres of park development, some multi-family development
- **2005 Tax Year Property Value:** \$36,815,100
- **2028 Projected Tax Year Value:** \$241,573,331
- **Current Job Level:** 3,800-4,500
- **Air Force Center Environmental:** 3,400-3,500
- **New Retail:** 900-1,000

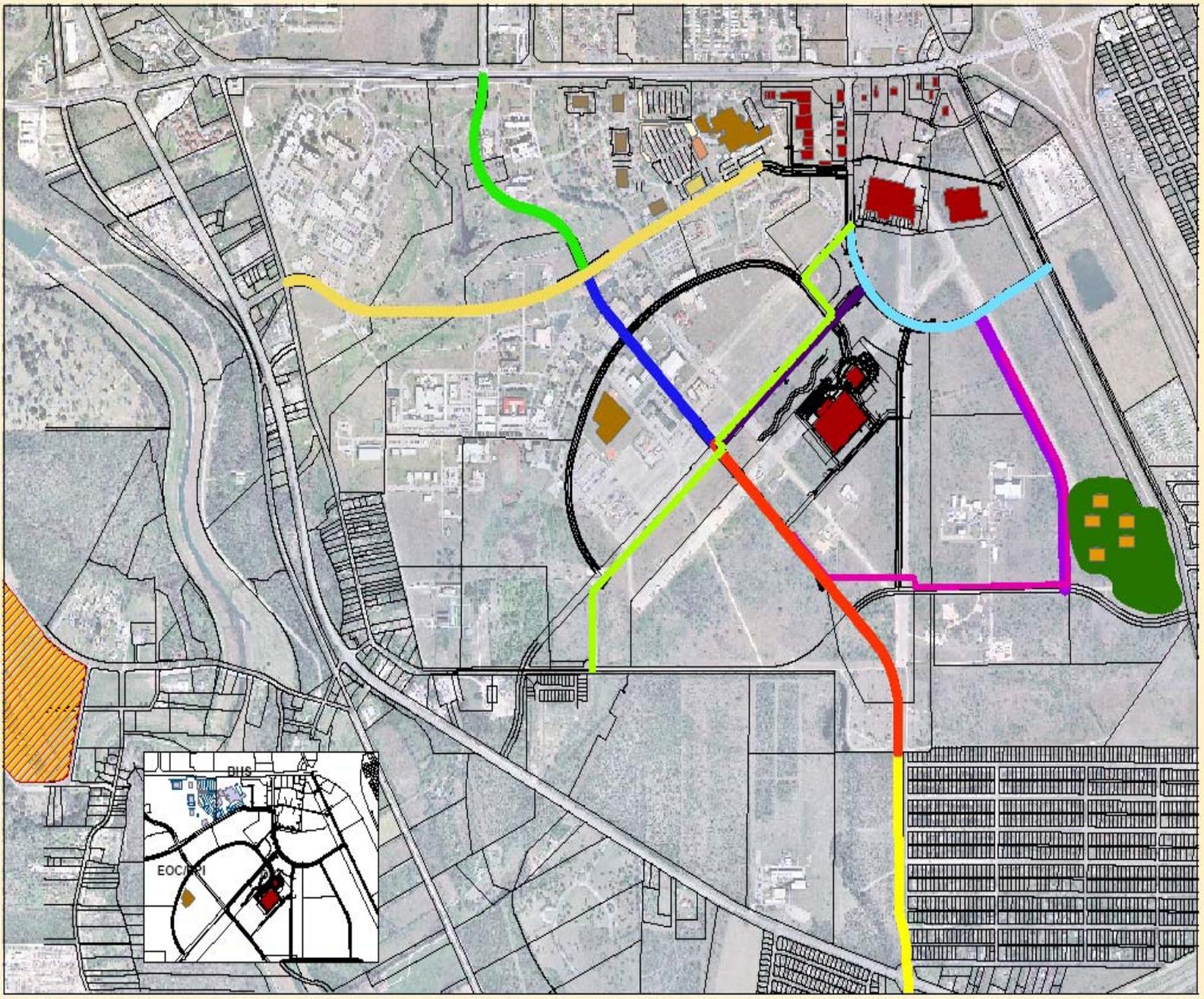
- Fast Forward/Update Plan**
- Police Landing
  - Phase 1 Library to Silky Brook
  - Phase 2 Silky Brook to Research Place
  - Phase 3 Research Place to BC B.S. Boundary
  - Phase 4 BC B.S. Boundary to Loop 40
  - Research Place
  - Resurfacing of Silky Brook Dr.
  - Boundary Sewer Extension
  - Interchange
  - City Base Landing 400
- Development**
- Proposed Development Year**
- 2008
  - 2009
  - 2010
  - 2011
- BCSD Development**
- Proposed Development Year**
- 2008
  - 2009
  - 2010
  - 2011
- Charter School Concept Location
  - Future ArtPark

## Brooks Development Authority Infrastructure and Development 2005

WCD 1993 State Plan  
 Travis South Central  
 FPO 4234 Paid  
 GCS North Arkansas 1993

0 250 500 1,000 Feet

WCD 03 BCSD Development Team  
 August 17, 2005  
 Created by WCD 03 03 using ArcGIS



# Goliad Outfall, Phase I and II



**Ph I Construction Began: 06/2004 (Ph II Began 10/2005 )**

**Both Construction Phase End: 01/2007**

Phase I enlarged and lowered the elevation of the earthen channel on Brooks City-Base from Military Drive to the culvert at Goliad. Drainage improvements along the second phase constructed two bridge crossings over the channel from Goliad Road to Brooks City Base.

# Goliad/IH 37 Outfall (Channel from Goliad to across IH 37)



Project Number:	886
Project Costs:	\$7,822,000
Street Type:	NA
Drainage Type:	Regional
Drainage Area:	1.50 SQ Miles
Street Capacity:	No
Street Preservation:	Yes
MultiModal:	No
Avg Daily Traffic:	N/A

Construct drainage improvements and expand channel to enhance safety of drainage structures under IH 37. Put three drop structures in expanded channel and bore underneath I-37 to install two additional 10' diameter steel culverts by pipe jacking method. 950' long by 50' wide ROW required parallel to existing channel.

## Previous/Current Projects:

Phase I - Channel from Military to Goliad

Crossing - Completion Date: 12/06

Phase II - 2 Bridges across channel -

Completion Date: 12/06



# Upper Six Mile Creek #83F



- **Phase 1:** Commercial - Escalon, completed in 1987; and **Phase 2:** Escalon - Hutchins, completed in 1992
- **Phase 3:** Hutchins - South of Military Drive, completed in 2001

Phase 3 made improvements to the open channel and realigned a portion of the existing channel location. This segment required the coordination with multiple entities including SAWS, CPS Energy, TxDOT, Union Pacific and South Park Mall.

# Commercial Tributary to 6 Mile Creek



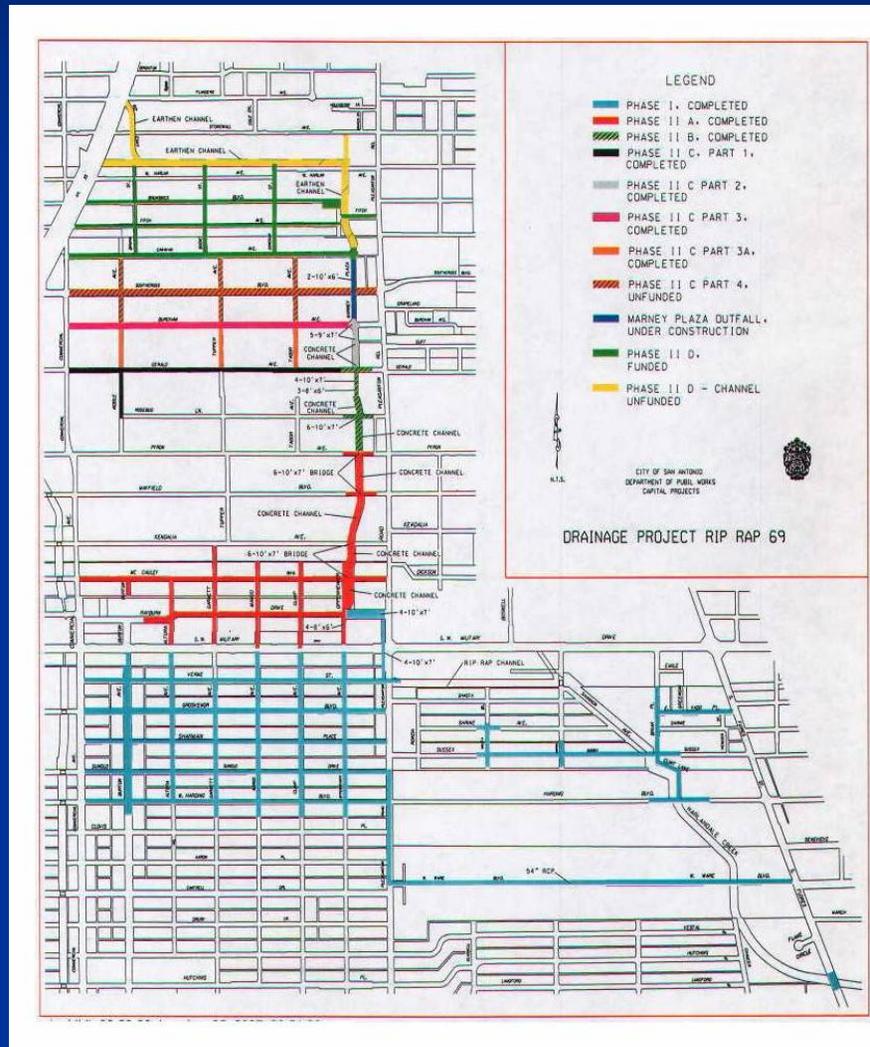
Est. Construction Start  
11/2007

Est. Construction End:  
12/2008

This multiphase project constructs the drainage channel from 6 Mile Creek to Petaluma to accommodate for a 100 ultimate year storm event.



# Rip Rap Project



- To date, approximately \$20.43M have been spent on construction of the Rip Rap projects.
- First phase began construction in 1988 and was completed in 1991.
- Two proposed drainage projects for the 2007-2012 Bond Program are part of the Rip Rap project and will complete the project.



# Marney Plaza Outfall



Construction Start  
07/2006

Est. Construction End:  
12/2007

This project increases the drainage capacity of the existing two barrel 10' X 6' multiple box culvert (MBC) under Marney Plaza with a five barrel 8' X 8' MBC system and reconstructs Marney Plaza with a 40 foot pavement section from Canavan to Burcham including 4 foot sidewalks and curbs.

# RipRap 69, Phase II D - Channel

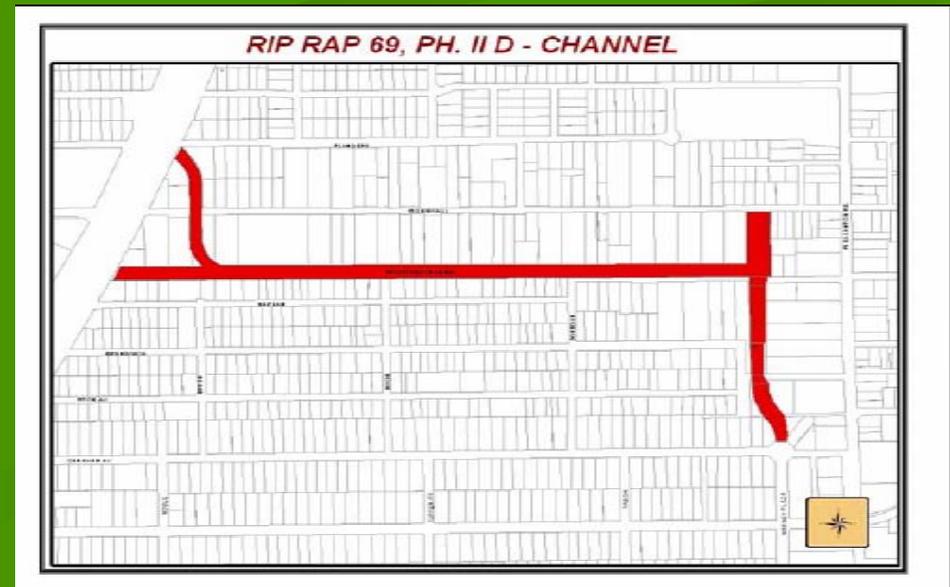


Project Number:	1180
Project Costs:	\$6,062,000
Street Type:	NA
Drainage Type:	Regional
Drainage Area:	3.18 SQ Miles
Street Capacity:	No
Street Preservation:	No
MultiModal:	No
Avg Daily Traffic:	N/A

This project is to provide for channel improvements, one of the phases of the Rip Rap #69 project. The channel will begin at IH-35 and run east to tie into the box culverts constructed as part of the Marney Plaza Outfall Project. The channel will be a combination of earthen and concrete channel.

Previous/Current Phases: Phases I,IIA,IIB,IIC Part I, II,III, and IIIA are completed street and drainage projects in this project area. Marney Plaza will be completed in 12/07. Phase IID Streets will be completed in 4/09.

Future Projects (Unfunded) : Phase IIC Part IV  
Southcross ( Commercial



# Octavia #63, Completed Phases



- **Octavia #63, Phase I:**  
Construction Start: 01/00  
Construction End: 11/02
- **Octavia #63, Ph II Part I:**  
Construction Start: 01/04  
Construction End: 03/05
- **Octavia #63, Ph II Part B (pictured at left):**  
Construction Start: 03/05  
Construction End: 03/06

# Octavia #63 Phase II



Project Number:	1702
Project Costs:	\$7,198,000
Street Type:	Arterial
Drainage Type:	Local
Drainage Area:	323 Acres
Street Capacity:	No
Street Preservation:	Yes
MultiModal:	Yes
Avg Daily Traffic:	Various

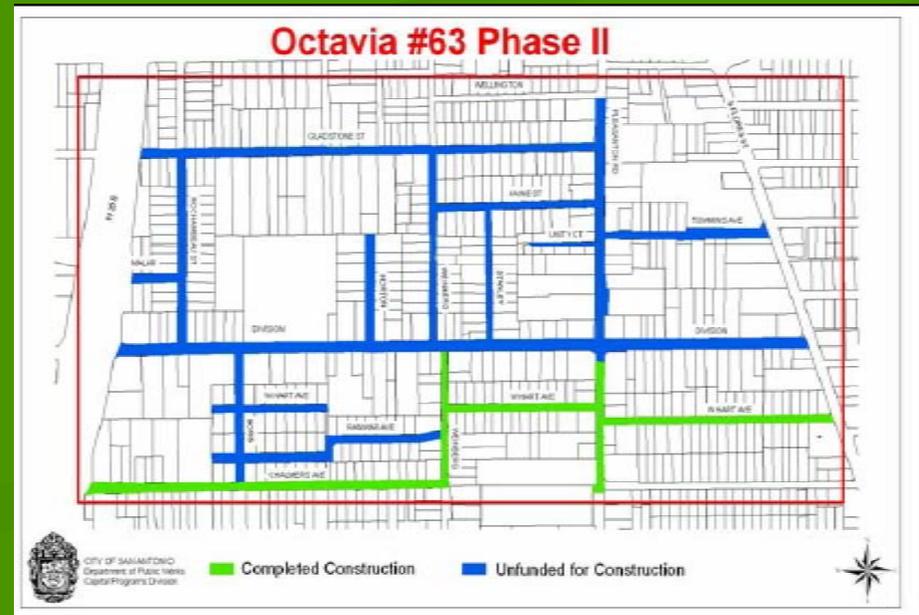
Reconstruct the streets with new underground drainage systems, curbs, sidewalks and driveway approaches in the area bounded by South Flores, West Hart Avenue / Weinberg / Chalmers Avenue, IH 35 South and Gladstone Street/Tommins Avenue. Street component is Project 1746.

## Previous/Current Projects:

Phase I - Area bounded by Octavia , S. Flores, Hart and Sierra - Completion Date: 11/02

Phase II, Part 1 - Hart and Pleasanton Road - Completion Date: 03/05

Phase II, Part B - Hart, Weinberg and Chalmers - Completion Date: 03/06



# Citywide Bike Lanes: Theo/Malone



Est. Construction Start  
05/2007

Est. Construction End:  
12/2007

This upcoming project represents one of nine bike lane projects funded throughout the City under the Local Agency Management program. Two other Hike and Bike Projects along Salado Creek are also being designed in Council Districts 2 and 9 for construction to begin this year and next year.

# Zarzamora Drainage #39

## Zarzamora (Winnipeg to Humble) and Winnipeg (Zarzamora to Jennings)



Project Number:	854
Project Costs:	\$12,940,000
Street Type:	Arterial
Drainage Type:	Regional
Drainage Area:	4.69 SQ Miles
Street Capacity:	No
Street Preservation:	Yes
MultiModal:	No
Avg Daily Traffic:	20,400 Vehicles/Day

Complete street reconstruction of Zarzamora from W. Winnipeg Ave to Humble Ave. and W. Winnipeg Ave. from Zarzamora to Jennings with underground drainage to alleviate street flooding.



# Fay Street, Phases I and II



## Ph I

Construction Start: 05/03

Construction End: 10/03

## Ph II

Construction Start: 10/04

Construction End: 09/05

Phase I reconstructed Fay: Quintana to just east of Crittendon and Crittendon: Fay to Southcross with new curbs, sidewalks, driveway approaches and underground drainage systems. Phase II reconstructed Fay: just east of Crittendon to New Laredo Highway; Applebee: Fay to Dead-End; and Lyell: Fay to Southcross with new curbs, sidewalks and driveway approaches.

# Fleming – Gerald – Lovett



Construction Start:  
11/2003

Construction End:  
06/2004

Three street reconstruction projects were done in conjunction with each other and included sidewalks, curbs, and driveway approaches.

Gerald: Fleming to New Laredo Hwy

Lovett: Fleming to Oregon

Fleming: New Laredo to Gerald



# Westwood Village Drainage (Pinn to Old Highway 90)



Project Number:	628
Project Costs:	\$3,080,000
Street Type:	NA
Drainage Type:	Regional
Drainage Area:	1.66 SQ Miles
Street Capacity:	No
Street Preservation:	No
MultiModal:	No
Avg Daily Traffic:	N/A

Improvement of existing box culvert system at Old Highway 90 (8-10x5. MBC). Also channel improvements from old Hwy 90 to Pinn (in Westwood Village neighborhood between Orr and Marcum Rd.).



# Restoration of Salado Creek



# Marbach Drainage Phase I (Military to Pinn)



Est. Construction Start:  
01/2007

Est. Construction End:  
12/2007

This project includes the total street reconstruction of Marbach from Tom Slick Creek to 200 ft. west of Military with curbs, sidewalks and necessary drainage. Marbach Road from Tom Slick Creek to Pinn Road will receive an asphalt overlay. The storm sewer is designed for a 25 year frequency storm.

# Marbach Drainage Phase II (Military to Loop 410)



Project Number:	1744
Project Costs:	\$4,430,000
Street Type:	Arterial
Drainage Type:	Regional
Drainage Area:	11.88 SQ Miles
Street Capacity:	No
Street Preservation:	Yes
MultiModal:	No
Avg Daily Traffic:	23,400 Vehicles/Day

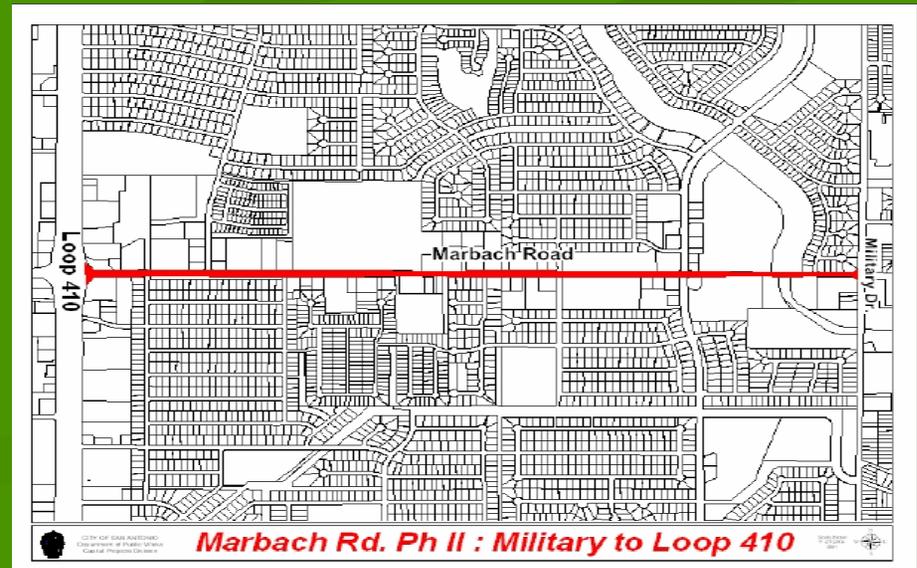
Provides the drainage component to the Marbach Phase II (Military to Loop 410) project. Street component is Project 1085.

#### Previous/Current Projects:

Phase I - Marbach (Pinn to Military) (Currently under construction) - Completion Date: 12/07

#### Future Projects (Unfunded):

- Phase IB - Marbach (Pinn Road to Slick Ranch Creek)
- Phase IIB - Marbach (west of Rawhide to Loop 410)
- Phase III - Harness Lane (Marbach to Westshire Drive)
- Phase IV - Marbach (Loop 410 to Cable Ranch Road)



# Culebra 58F Phase 1



**Construction Began: 03/2002 Construction End: 04/2003**

This project included improvements to Zarzamora Creek from Rubidoux to Commerce. The project also included the reconstruction of Acme from Commerce north to Creek with the construction of new curbs, sidewalks and driveway approaches and necessary street drainage and utility improvements.

# Culebra 58F Phase 2a



**Construction Start: 08/2006 Construction End: 08/2007**

This project includes improvements to 2000 feet of Zarzamora Creek from Rubidoux to Laven Street.

# Culebra 58F Phase 2B (Laven to upstream of Culebra)



Project Number:	1331
Project Costs:	\$10,687,000
Street Type:	NA
Drainage Type:	Regional
Drainage Area:	4.65 SQ Miles
Street Capacity:	No
Street Preservation:	Yes
MultiModal:	No
Avg Daily Traffic:	N/A

Reconstruct Zarzamora Creek from Laven to 1600 feet upstream of Culebra to 100 year capacity. Includes upgrading the Culebra crossing to allow for a 100 year capacity. This project will eliminate flooding of approximately 60 homes and businesses along the creek.

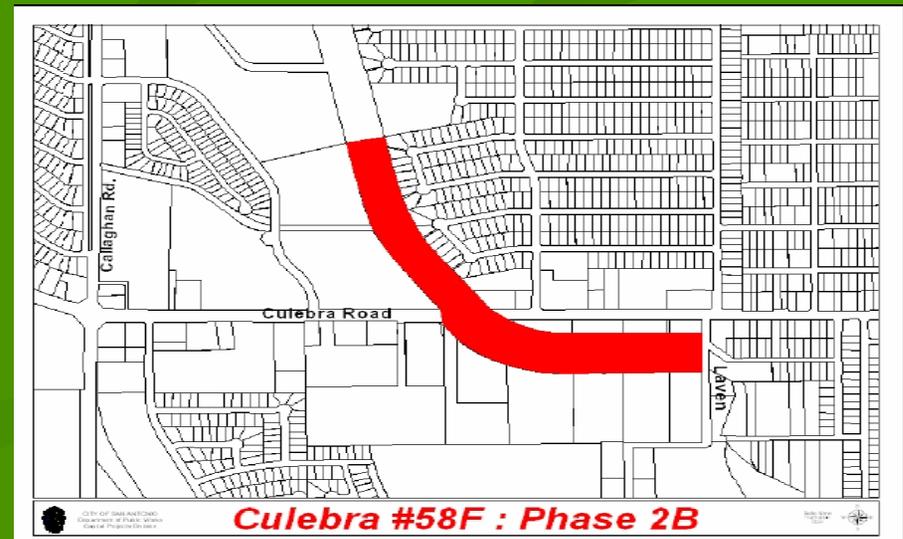
#### Previous/Current Projects:

Phase 1 - Rubidoux to Commerce - Completion

Date: 04/03

Phase 2A - Rubidoux to Laven - Completion

Date: 08/07



# Fire Training Academy



Construction Start  
02/2004

Construction End:  
11/2006

The Fire Training Academy was built on land donated by the Van de Walle property. The complex contains a lecture hall, apparatus training bay, five-story training tower and an emergency driving track.

# Southwest Research Regional Storm Water Facility





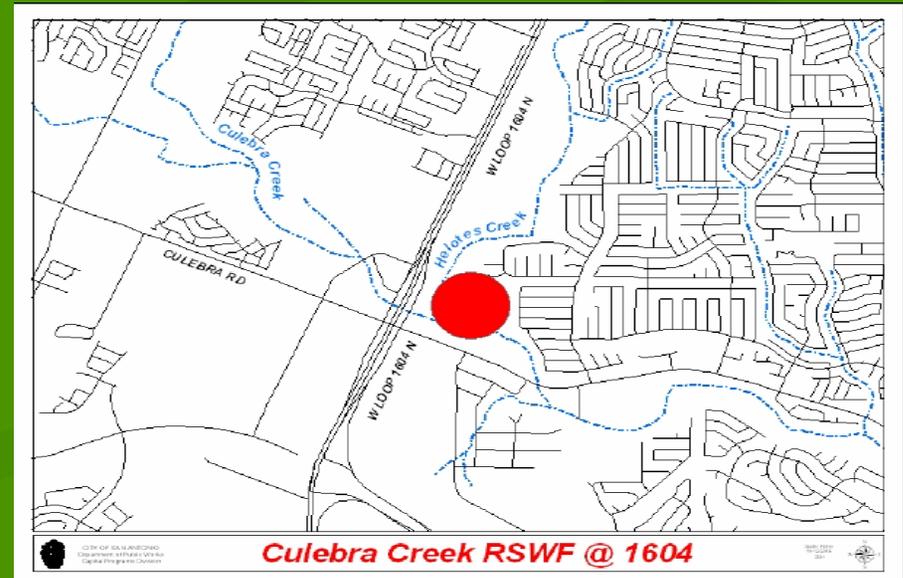


# Culebra Creek RSWF @ 1604 – Construction Only (Northeast corner of 1604 and Culebra Rd.)



Project Number:	527
Project Costs:	\$5,140,000
Street Type:	NA
Drainage Type:	Regional
Drainage Area:	73.44 SQ Miles
Street Capacity:	No
Street Preservation:	No
MultiModal:	No
Avg Daily Traffic:	N/A

Construct Regional Storm Water Facility at confluence of Culebra and Helotes Creek. Drainage improvement design drawings have been prepared. Level II cost estimate is based on designed improvements. The property was dedicated to COSA as part of a developer agreement.



**Culebra Creek RSWF @ 1604**

# Tezel: Old Tezel to Timber Path



Construction Start  
07/2005

Est. Construction End:  
05/2007

This project reconstructs Tezel Road from Old Tezel to Timber Path in two phases with turn lanes, curbs, sidewalks at the curb, drainage, signal improvements and bicycle lanes.  
(1985.55 meters) Tezel Road

# Guilbeau Road Drainage Improvements Phase I (Mystic Park to French Creek)



**Construction Began: 01/2004 Construction End: 05/2004**

This project provided for the design of a storm sewer system on Guilbeau Road from the French Creek to a point approximately 800' east of Mystic Park. This project also constructed the designed improvements on Guilbeau Rd. from French Creek to Mystic Park.

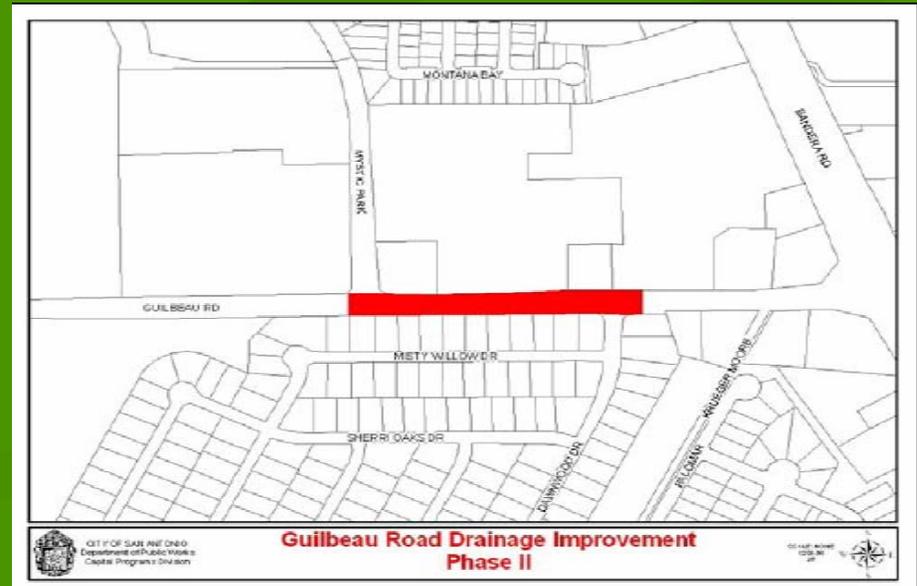
# Guilbeau Road Drainage Improvements Phase II (Mystic Park to 800' east of Mystic Park)

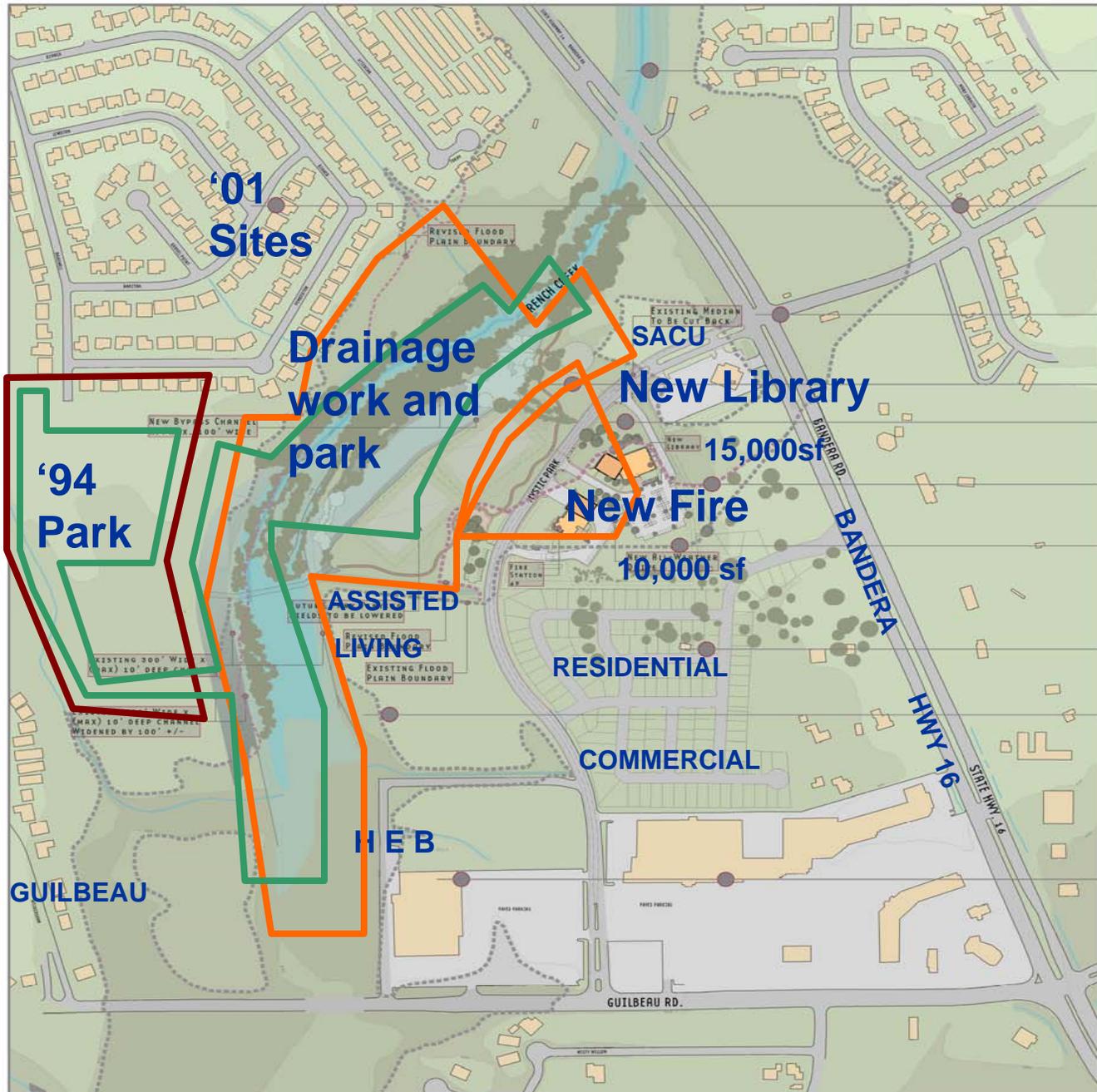


Project Number:	1638
Project Costs:	\$1,273,000
Street Type:	Arterial
Drainage Type:	Local
Drainage Area:	66 Acres
Street Capacity:	No
Street Preservation:	Yes
MultiModal:	Yes
Avg Daily Traffic:	22,200 Vehicles/Day

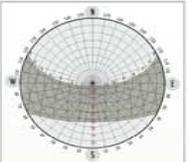
Continue construction of storm drain system along Guilbeau Road from Mystic Park to 800 feet east of Mystic Park. Curb inlets installed and traffic signal modifications.

Previous/Current Projects:  
Phase I - French Creek to Mystic Park -  
Completion Date: 05/04





FRENCH CREEK



EXISTING RESIDENTIAL DEVELOPMENT

HIGHWAY INTERSECTION

FUTURE NANI FALCONE PARK SITE

BUILDING SITE

REVISED FLOOD PLAIN BOUNDARY

EXISTING 100 YEAR FLOOD PLAIN BOUNDARY

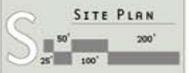
KB HOME DEVELOPMENT

100 YEAR FLOOD PLAIN BOUNDARY

EXISTING RETAIL DEVELOPMENT



FIRE STATION 49  
MYSTIC PARK LIBRARY



ALAMO ARCHITECTS  
APRIL, 2003

# Medical Center Intersections, Phase III



**Construction Began: 07/2006 Construction End: 09/2007**

Phases I and II provided for improvements at the intersections of Medical Drive/Ewing Halsell, Medical/Floyd Curl and Wurzbach/Floyd Curl. Phase III improves the intersections of Medical/Wurzbach and Merton Minter/Wurzbach. It will add additional turning lanes, landscaping and traffic signal improvements, and Way Finding signs.



# Bitters: West Ave to Heimer



**Construction Began: 01/2004 Construction End: 05/2005**

This MPO project consisted of widening the existing roadway to 7 lanes by adding left and right turn lanes at US 281 to facilitate traffic through the intersection of US 281. Project also included construction of sidewalks and driveway approaches and necessary drainage.

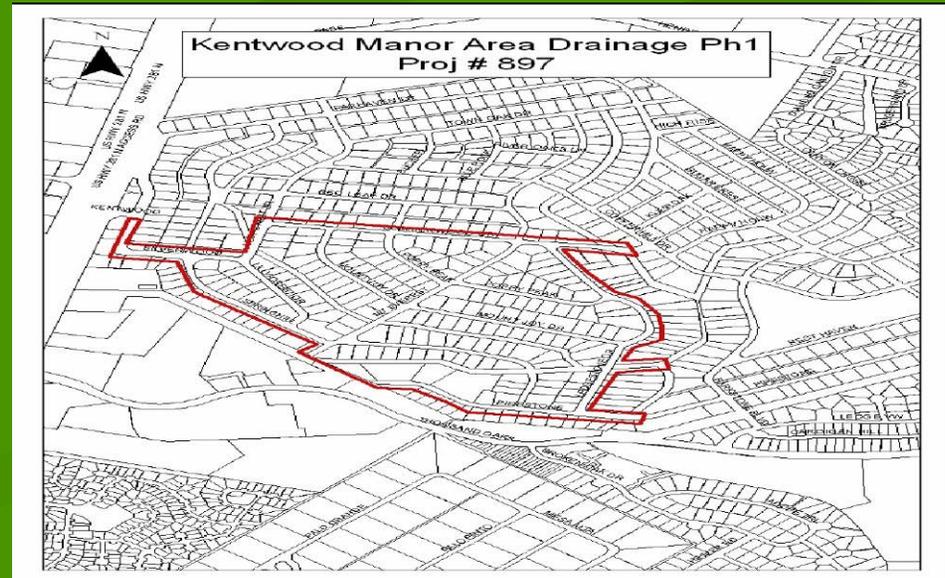
# Kentwood Manor Area Drainage Phase I



Project Number:	897
Project Costs:	\$5,000,000
Street Type:	Local
Drainage Type:	Local
Drainage Area:	156 Acres
Street Capacity:	No
Street Preservation:	No
MultiModal:	No
Avg Daily Traffic:	Various

Interceptor ditches along streets with culvert crossings at driveways to prevent water sheet flowing over the streets into private property. Phase I will build a portion of the entire project which costs approximately \$15.55M.

Future Projects (Unfunded):  
Phase II - Kentwood Manor Area Drainage



# Other Proposed Drainage Projects

# Ave Maria Outfall (Ave Maria to Burwood)



Project Number:	1642
Project Costs:	\$1,036,000
Street Type:	NA
Drainage Type:	Local
Drainage Area:	266 Acres
Street Capacity:	No
Street Preservation:	Yes
MultiModal:	No
Avg Daily Traffic:	N/A

Improve Drainage Channel outfall from Ave Maria to Burwood. Replace culvert at Burwood.

Previous/Current Phases:

Ave Maria Drainage ( Street - Jackson Keller to San Pedro, Channel - Jackson Keller to Oak Bend) - Completion Date: 02/07



# Skyline Area Drainage Phase I (Skyline, Middle, Cisco)



Project Number:	955
Project Costs:	\$7,919,000
Street Type:	Local
Drainage Type:	Local
Drainage Area:	49 Acres
Street Capacity:	No
Street Preservation:	Yes
MultiModal:	No
Avg Daily Traffic:	Various

This project includes reconstruction of Cisco, Middle and Skyline from Bell to the dead end. This project also calls for installing inlets and pipes at the Dead end of Skyline and tying into the existing system.

## Previous/Current Projects:

Skyline Neighborhood Improvements Phase I  
(Erin, Cisco and Middle) - Completion Date:  
04/07



# Valley Forge Drainage System (Crown Point to Drainage Channel)



Project Number:	963
Project Costs:	\$1,129,000
Street Type:	Local
Drainage Type:	Local
Drainage Area:	31 Acres
Street Capacity:	No
Street Preservation:	Yes
MultiModal:	No
Avg Daily Traffic:	Approx 500-1000 Vehicles/Day

This project involves construction of a reinforced concrete pipe drainage system from Crown Point along Valley Forge to an existing drainage channel. It will require street reconstruction of Valley Forge from Crown Point to Minuteman. No additional drainage right of way is required.



# Broadway Corridor – Phase III (Carnahan to Burr)



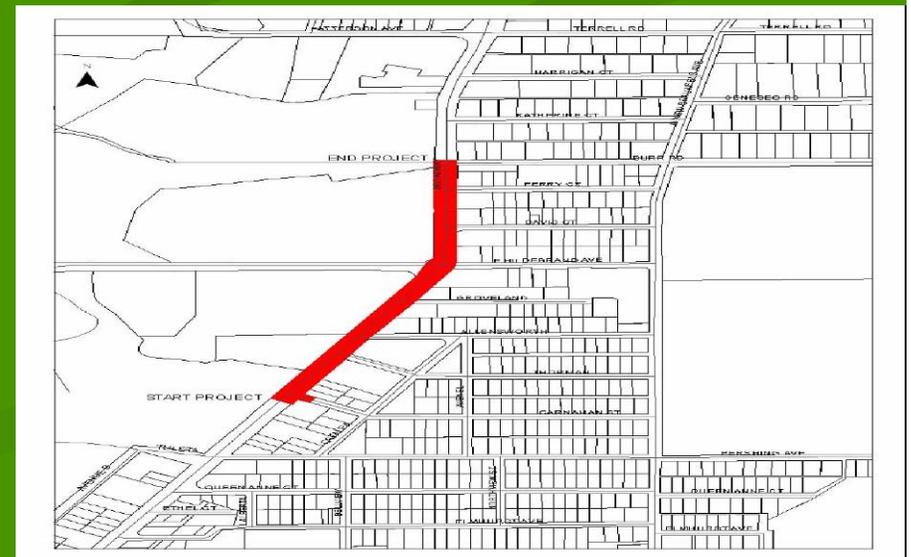
Project Number:	1646
Project Costs:	\$12,000,000
Street Type:	Arterial
Drainage Type:	Regional
Drainage Area:	2.77 SQ Miles
Street Capacity:	No
Street Preservation:	Yes
MultiModal:	Yes
Avg Daily Traffic:	30,100 Vehicles/Day

The proposed Phase III drainage system begins at Broadway and Carnahan and extends along Broadway to Burr Road. The drainage system is designed to convey the 100-year storm event across Broadway. Drainage improvements will alleviate flooding along the Broadway corridor beginning at Carnahan and terminating at Burr Road.

## Previous/Current Phases:

Phase I, Part I - Grayson to San Antonio River -  
Completion Date: 12/06

Phase II, Part I - Alleviate flooding at the intersections of  
Broadway, Cunningham and Alamo - Completion Date:  
12/07



# Fort Sam Houston Drainage



Project Number:	1629
Project Costs:	\$6,261,000
Street Type:	NA
Drainage Type:	Regional
Drainage Area:	162.50 SQ Miles
Street Capacity:	No
Street Preservation:	No
MultiModal:	No
Avg Daily Traffic:	N/A

Provide drainage needs for Fort Sam Houston, including a bridge crossing Salado Creek, tying WW White into Nursery Street. Project will also improve channel flow by cleanup and the removal of approximately 50% of woody vegetation.

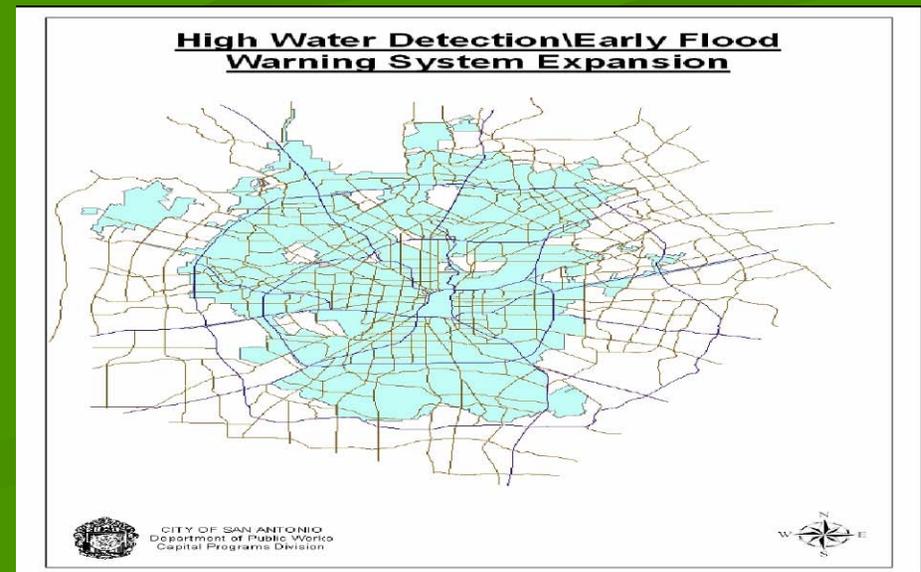


# High Water Detection/ Early Flood Warning System Expansion



Project Number:	1542
Project Costs:	\$1,000,000
Street Type:	Various
Drainage Type:	Various
Drainage Area:	N/A
Street Capacity:	No
Street Preservation:	No
MultiModal:	No
Avg Daily Traffic:	Various

High Water Detection/Early Flooding  
Warning System Expansion - Add  
additional HWDS and EFWS locations.



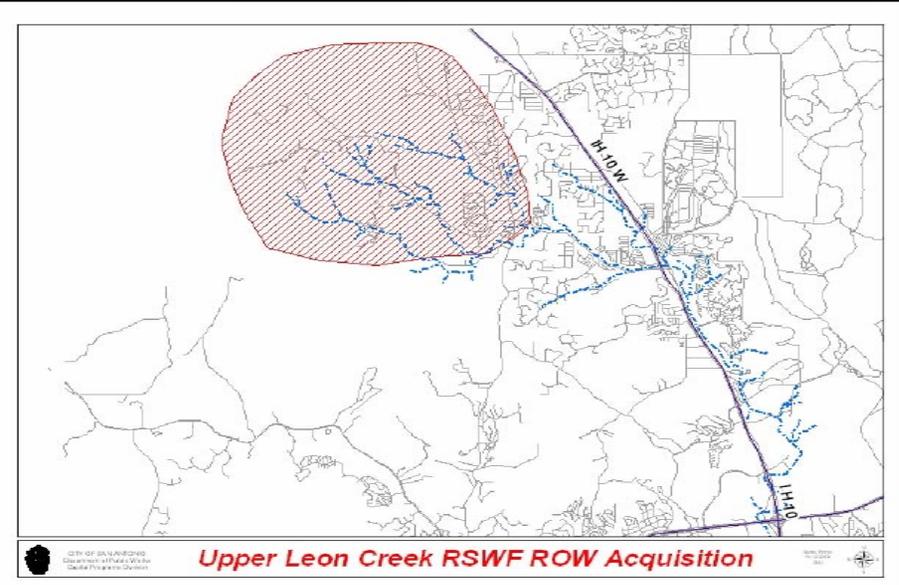
# Upper Leon Creek Regional Storm Water Facility Right of Way Acquisition



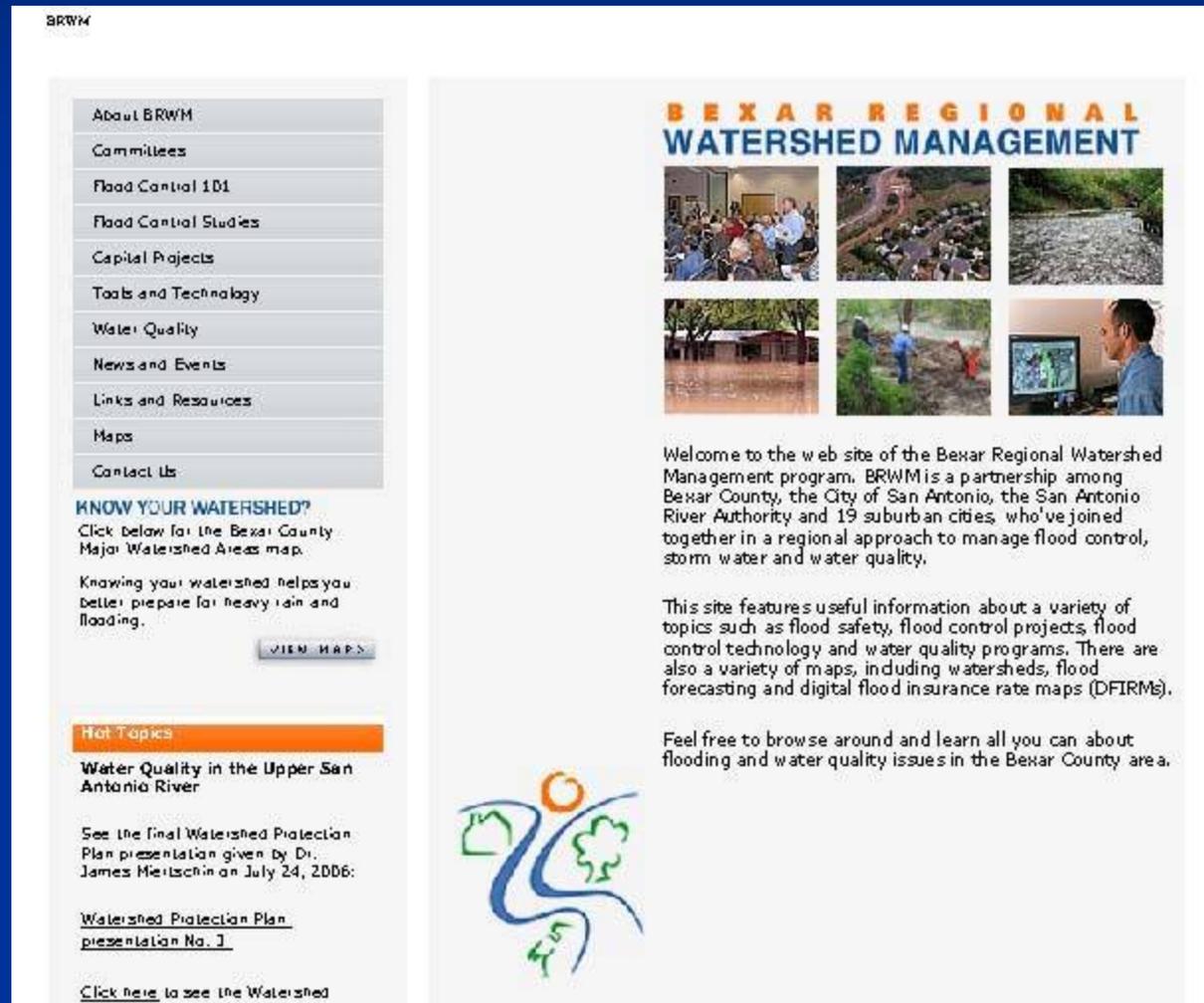
Project Number:	1655
Project Costs:	\$3,156,000
Street Type:	NA
Drainage Type:	Regional
Drainage Area:	27.60 SQ Miles
Street Capacity:	No
Street Preservation:	No
MultiModal:	No
Avg Daily Traffic:	N/A

Purchase of 3 properties (sites 2, 11, & 13) for possible future construction of storm water detention facilities. Level II estimates prepared by staff. Once constructed, facilities will reduce flooding conditions at Boerne Stage Road &

I H10 and points downstream.



For more information, please go to  
<http://www.bexarwatershed.org>



BRWM

- About BRWM
- Committees
- Flood Control 101
- Flood Control Studies
- Capital Projects
- Tools and Technology
- Water Quality
- News and Events
- Links and Resources
- Maps
- Contact Us

**KNOW YOUR WATERSHED?**  
Click below for the Bexar County Major Watershed Areas map.

Knowing your watershed helps you better prepare for heavy rain and flooding.

[VIEW MAPS](#)

**Hot Topics**

**Water Quality in the Upper San Antonio River**

See the final Watershed Protection Plan presentation given by Dr. James Mertzchin on July 24, 2006:

[Watershed Protection Plan presentation No. 3](#)

[Click here](#) to see the Watershed Protection Plan presentation No. 1

**BEXAR REGIONAL WATERSHED MANAGEMENT**



Welcome to the web site of the Bexar Regional Watershed Management program. BRWM is a partnership among Bexar County, the City of San Antonio, the San Antonio River Authority and 19 suburban cities, who've joined together in a regional approach to manage flood control, storm water and water quality.

This site features useful information about a variety of topics such as flood safety, flood control projects, flood control technology and water quality programs. There are also a variety of maps, including watersheds, flood forecasting and digital flood insurance rate maps (DFIRMs).

Feel free to browse around and learn all you can about flooding and water quality issues in the Bexar County area.



# Drainage Tour

January 6, 2007

