

City of San Antonio, Texas

2012-2017 Citizen Bond Committee Tour



*Drainage Bond Committee Tour
December 3, 2011*

Prepared by Capital Improvements Management Services

Drainage Tour Itinerary

December 3, 2011 at 10:30am - 3:30pm

Project Number	Project Name	Distance (Miles)	Arrival Time*	Departure Time to Next Location*	Project Cost (In Thousands)
	Cliff Morton Development Services Center			10:30am	
1	Westwood Village Phase II (Rolling Hills)	10	10:45 a.m.	10:55 a.m.	\$5,000
2	Indian Creek Channel Improvements (Palm Valley Drive)	6	11:05 a.m.	11:15 a.m.	\$6,499
3	McCullough Ave Area Drainage (E.Park Ave.)	15	11:35 a.m.	11:45 a.m.	\$12,509
Lunch	Cliff Morton Development Services Center		12:00 p.m.	12:30 p.m.	
4	Goliad Rd.	9	12:45 p.m.	12:50 p.m.	\$10,309
5	Sapphire/Flora Mae (Alfred Drive)	10	1:05 p.m.	1:10 p.m.	\$5,373
6	Menger Creek Drainage (Larry Rd.)	4	1:20 p.m.	1:25 p.m.	\$6,526
7	Quail Creek Tributary A Drainage (Briarglen Rd.)	9	1:35 p.m.	1:40 p.m.	\$4,949
8	Belfast/Janda Susan (Ridgecrest Dr.)	5	1:50 p.m.	1:55 p.m.	\$4,599
9	West Ave LWC (West Rhapsody Drive)	5	2:00 p.m.	2:05 p.m.	\$6,630
10	Hausman Rd.	12	2:25 p.m.	2:35 p.m.	\$13,500
11	Mountain View Estates Phase III (Rogers Road)	9	2:45 p.m.	2:50 p.m.	\$3,000
12	Upper Woodlawn (Kampmann)	10	3:05 p.m.	3:10 p.m.	\$3,000
13	Seeling Channel Phase II	1	3:10 p.m.	3:15 p.m.	\$24,606
	Cliff Morton Development Services Center		3:30 p.m.		

*Estimated arrival and departure times

2012 - 2017 Bond Program Drainage Staff Recommended Projects

Project Name	Budget (\$ in Thousands)
McCullough Ave Area Drainage	\$ 12,509
Sapphire/Flora Mae (Billy to Alfred Drive)	5,373
Menger Creek Drainage	6,526
Belford Area Drainage	8,000
Goliad Road (SE Military to Loop 410)	10,309
Indian Creek Channel Improvements	6,499
Elmendorf Lake Area Improvements	1,500
Westwood Village Phase II	5,000
Mountain View Estates Phase III	3,000
Seeling Channel Drainage Improvements Phase II	24,606
Upper Woodlawn Drainage	3,000
Hausman Road (Loop 1604 to IH 10)	13,500
West Avenue Low Water Crossing Improvements	6,630
Belfast and Janda Susan Drainage Improvements	4,599
Mud Creek Tributary A Drainage Improvements	2,000
Redland Road (Loop1604 to Ridgewood Pkwy) Drainage Improvements	10,700
Quail Creek Tributary Drainage Improvements	4,949
Public Art (1%)	1,300
Total:	\$ 130,000

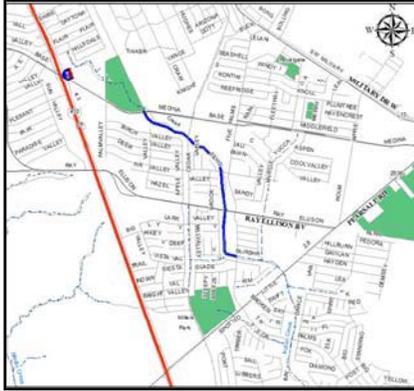
City of San Antonio
**2012-2017 Bond Program
Project Tour**

Drainage Improvements

December 3, 2011

**Staff Recommended
Projects For Tour**

Indian Creek Channel Improvements



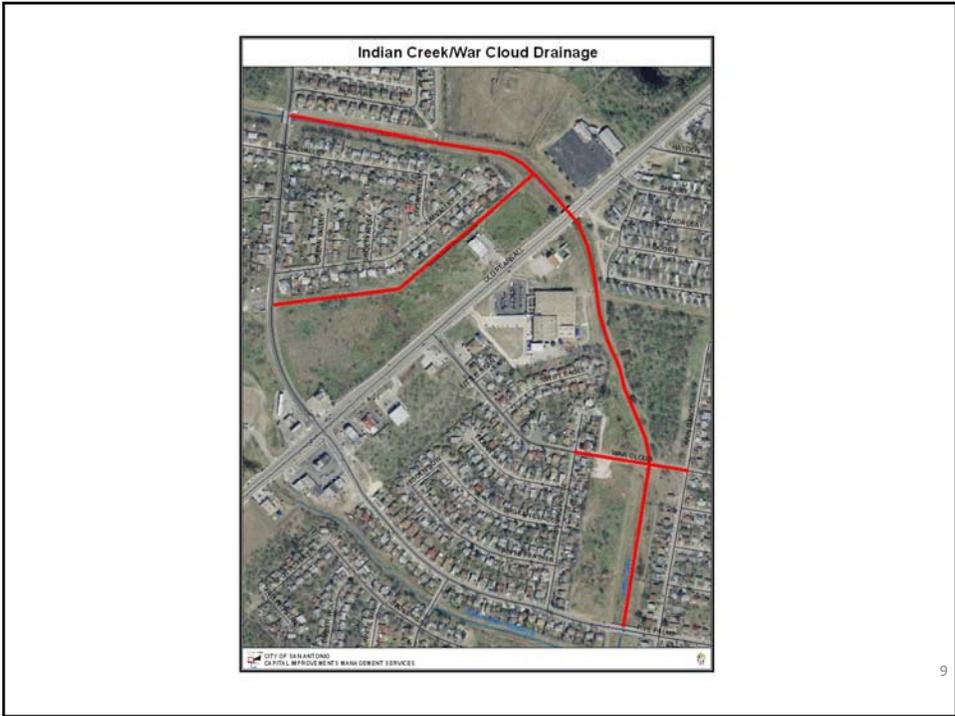
\$6.499 Million

Scope: Reconstruct portions of the Indian Creek Channel and upgrade the box culvert bridge at Ray Ellison to improve water conveyance.

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Indian Creek Channel Improvements

- Continues drainage improvements upstream from the current 2007 project
- Reconstruct the existing channel
- Upgrade the culvert crossing at Ray Ellison with stilling basin downstream
- Channel and culverts will convey the 1% storm
- Approximately 14 homes removed from the flood plain



Ongoing Work at Indian Creek

11/10/2011

McCullough Ave Area Drainage



IH 35 Lower Deck at Brooklyn Avenue

LUNCH

Goliad Road Drainage (SE Military to Loop 410)



\$10.309 Million

Scope: This project will construct drainage improvements along Goliad Road and reconstruct the roadway with curbs, sidewalks, and driveway approaches as needed.

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Goliad Road Drainage (SE Military to Loop 410)

- Goliad Road improvements will better control storm water runoff to enhance safety and reduce erosion issues with the earthen Goliad channel.

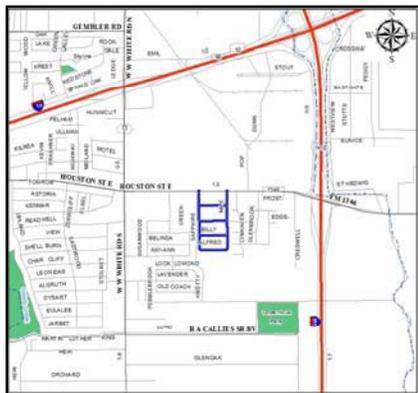


Goliad Channel – showing proximity to roadway



Road slump on Goliad along channel - 2007

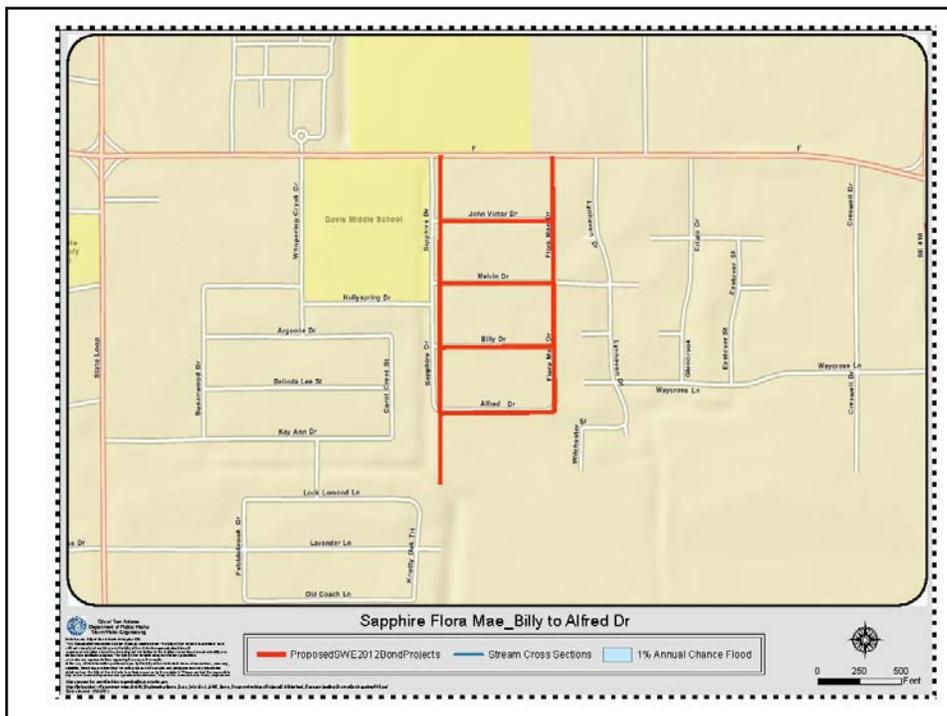
Sapphire/Flora Mae (Billy to Alfred Dr.)



\$5.373 Million

Scope: The project will improve drainage in the area by installing a storm sewer system and reconstruct and widen, with curbs sidewalks and driveway approaches, key roads in the neighborhood.

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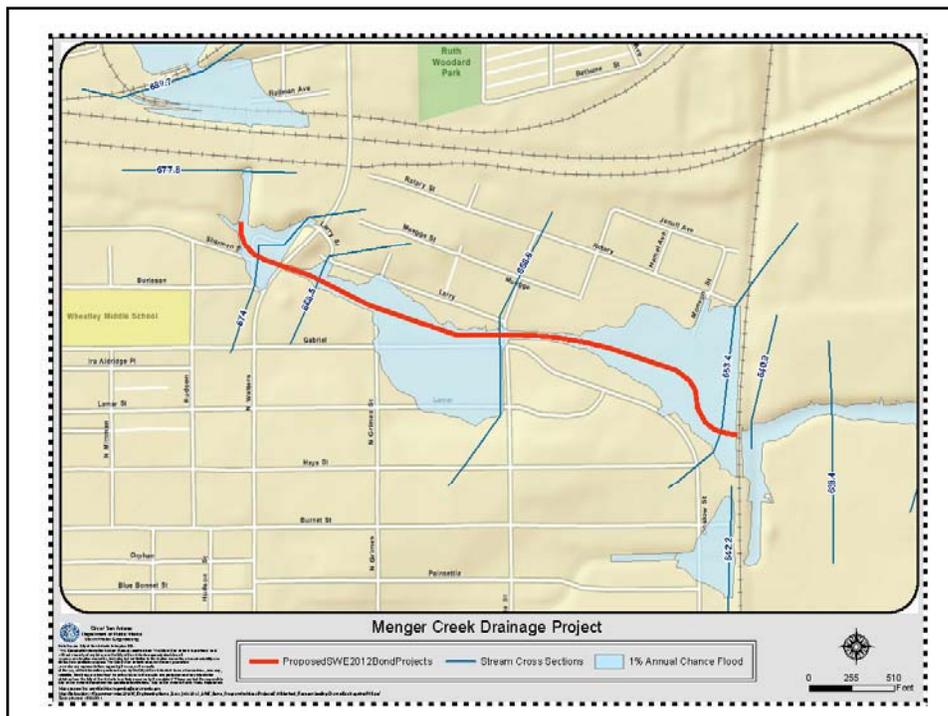
Menger Creek Drainage



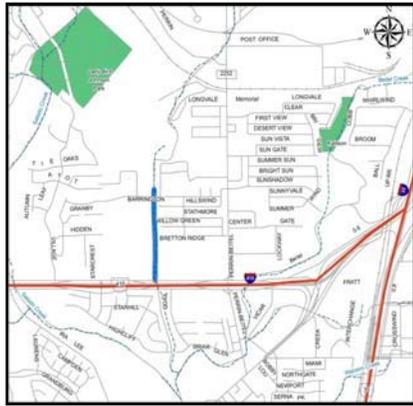
\$6.526 Million

Scope: The project will construct concrete channel improvements from N. Walters Street to Rio Grande Street and improve the Rio Grande crossing as well as the railroad crossing.

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Quail Creek Tributary Drainage Improvements



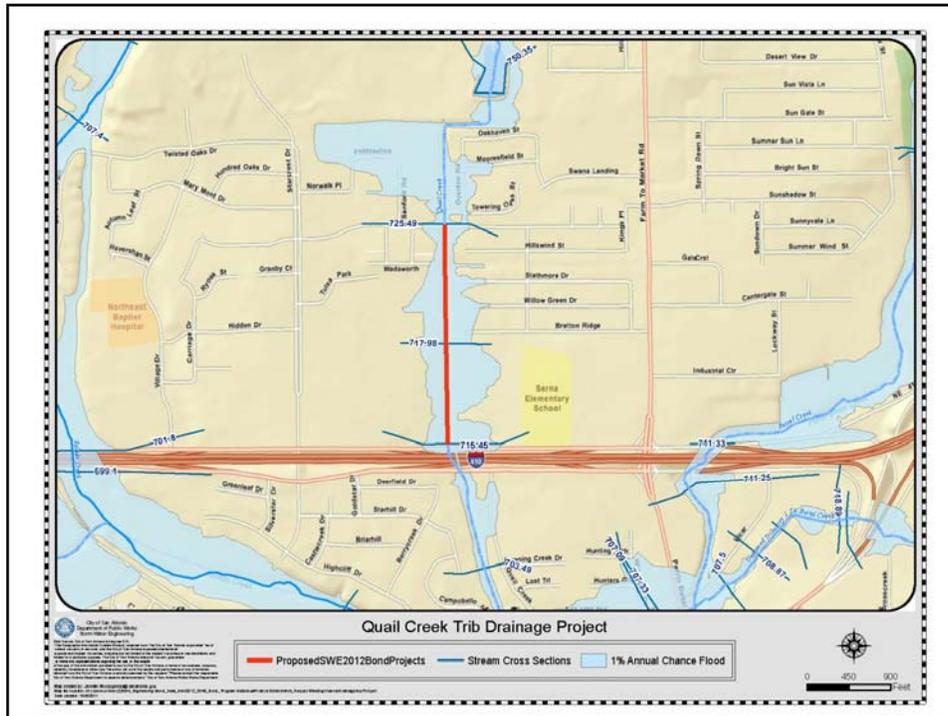
\$4.949 Million

Scope: Improve the drainage in Quail Creek from IH 410 northwards with channel improvements and bridge replacement.

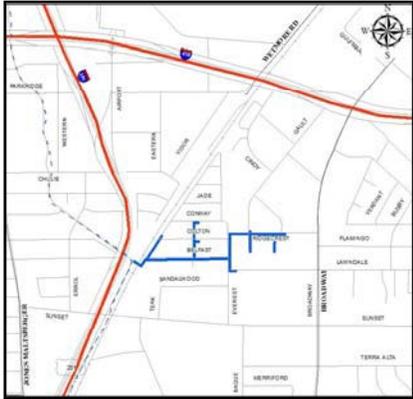
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Quail Creek Tributary Drainage Improvements





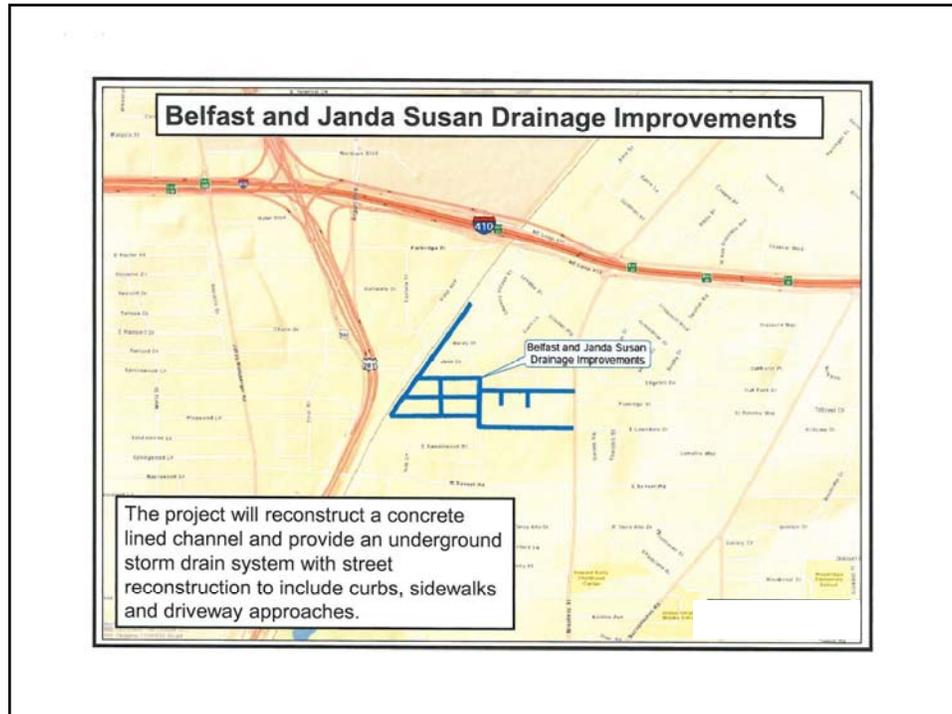
Belfast and Janda Susan Drainage Improvements




\$4.599 Million

Scope: The project will reconstruct a concrete lined channel and provide an underground storm drain system with street reconstruction to include curbs, sidewalks and driveway approaches.

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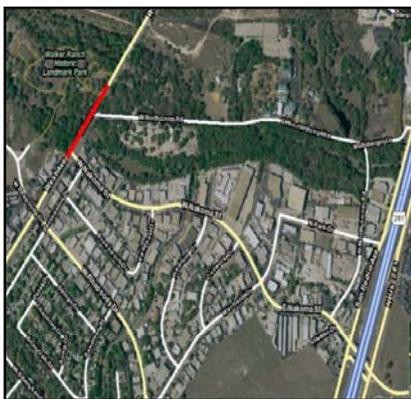
Belfast and Janda Susan Drainage Improvements



Belfast and Janda Susan Drainage Improvements

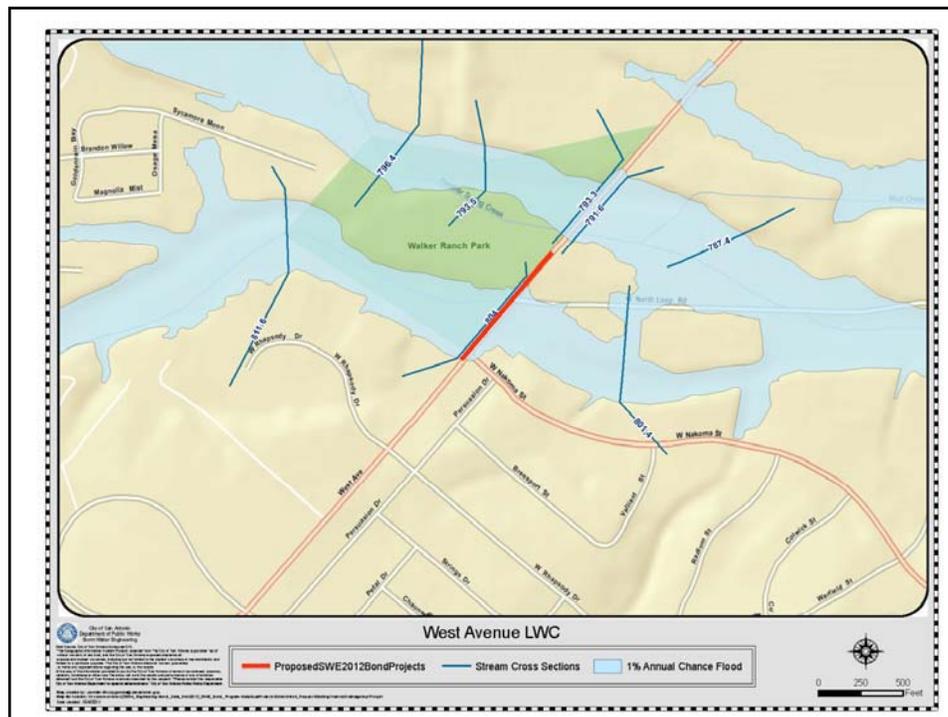


West Avenue Low Water Crossing Improvements



\$6.63 Million

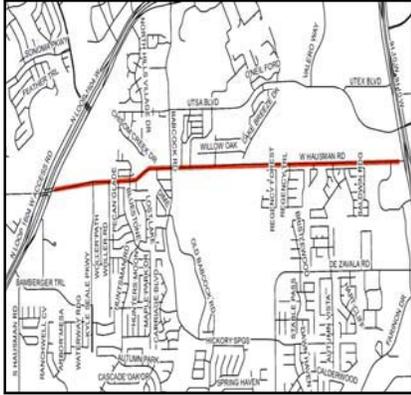
Scope: Eliminate the low water crossing northeast of Nakoma and reconstruct roadway as needed.



West Avenue Low Water Crossing Improvements

- Project being coordinated with TxDOT work
- TxDOT will be placing a bridge over the Panther Creek LWC.
- TxDOT estimated completion is Dec 2012.

Hausman Road Drainage (Loop 1604 to IH 10)

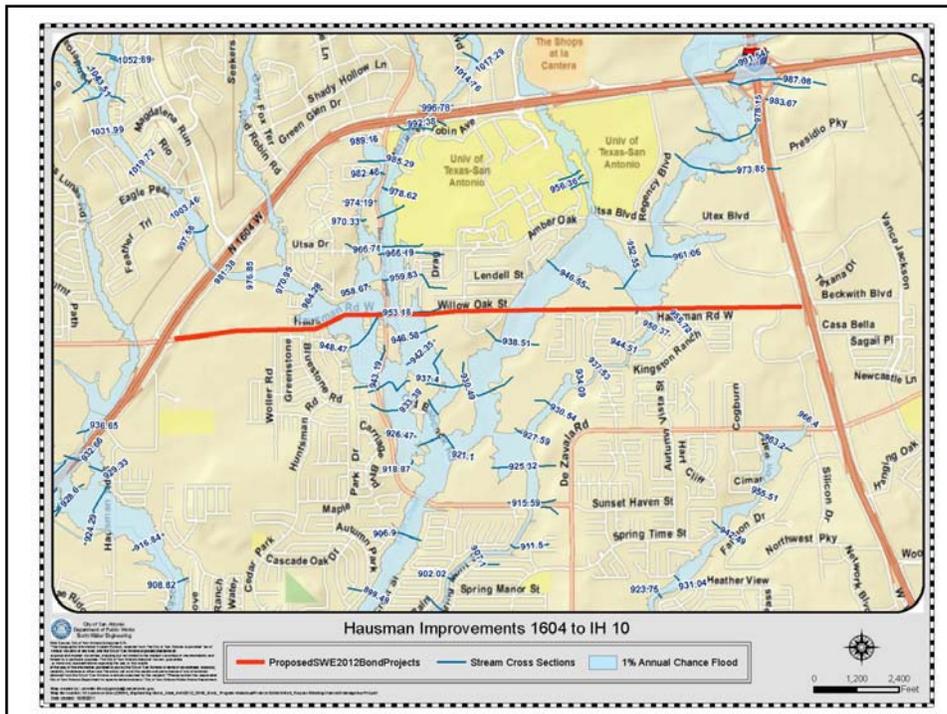


\$13.5 Million

Scope: Widen and reconstruct Hausman with drainage improvements.

Leverage Funding: \$13.8 M Bexar County

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Hausman Road Drainage (Loop 1604 to IH 10)

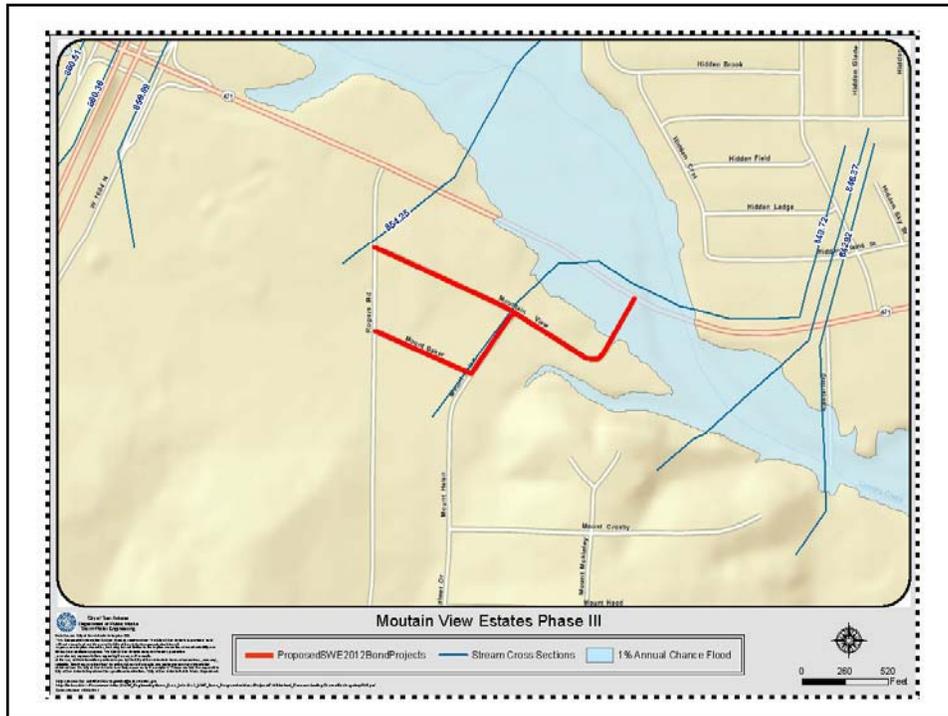
- Cooperative effort with TxDOT, Bexar County and COSA.
- TxDOT building bridge over Leon Creek
- Bexar County eliminating LWC's between:
 - Huntsman and Babcock.
 - Babcock and Roadrunner Way.
 - COSA doing the remainder between 1604 and IH10.

Mountain View Estates Phase III



\$3 Million

Scope: Install an underground drainage system that ties into an existing system on Rogers Road and outfalls into a tributary of Culebra Creek to resolve flooding issues in the Mountain View Estates area.



Mountain View Estates Phase III



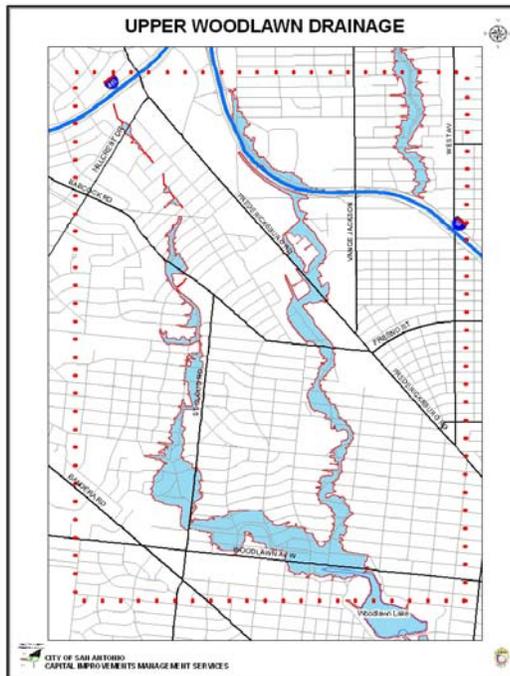
Standing water in roadways

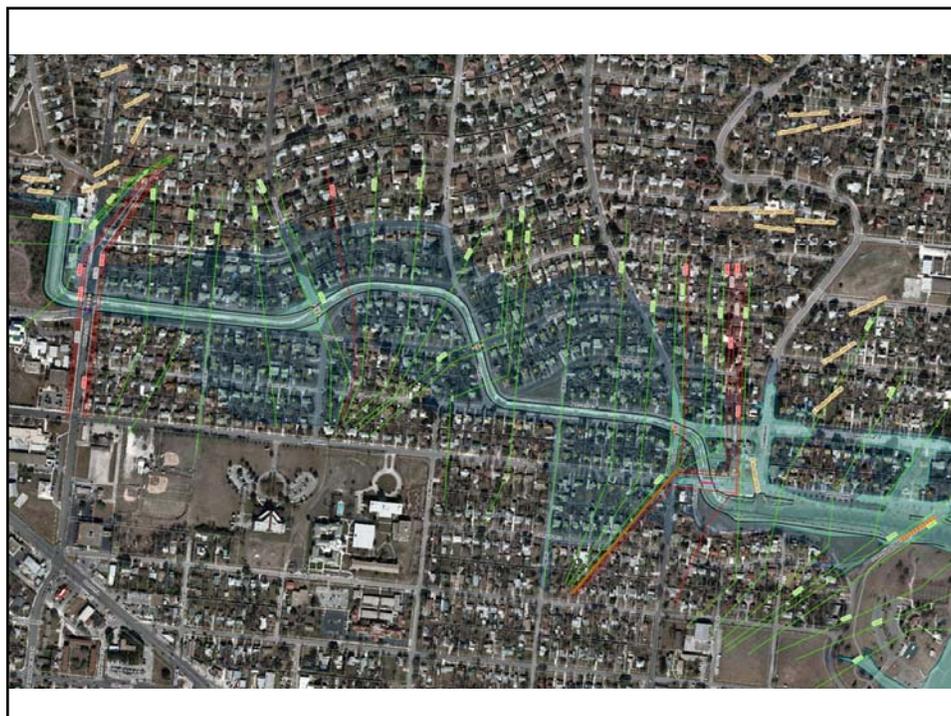
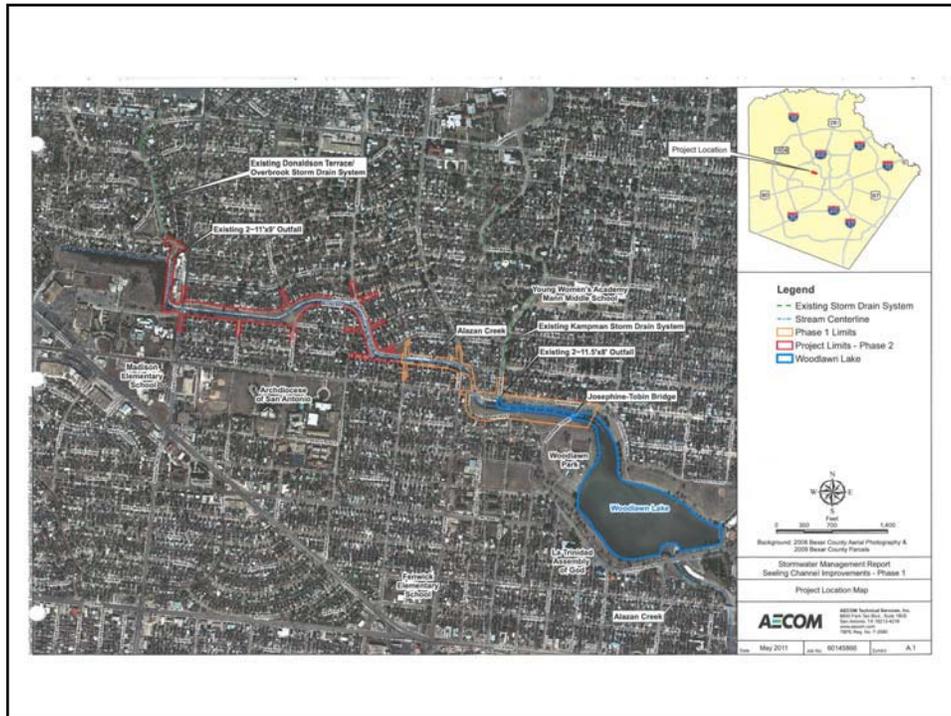
Upper Woodlawn Drainage



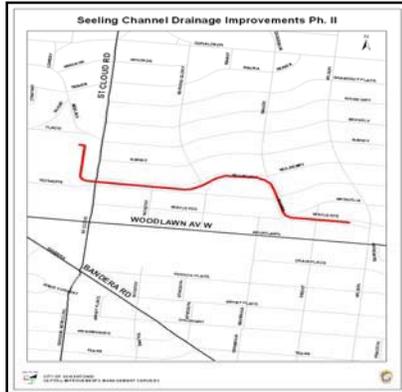
\$3 Million

Scope: Construct drainage improvements in the Upper Woodlawn Lake area.





Sealing Channel Drainage Improvements Phase II



\$24.606 Million

Scope: Reconstruct Sealing Channel to west of St. Cloud and construct a detention pond to improve drainage and minimize flooding.

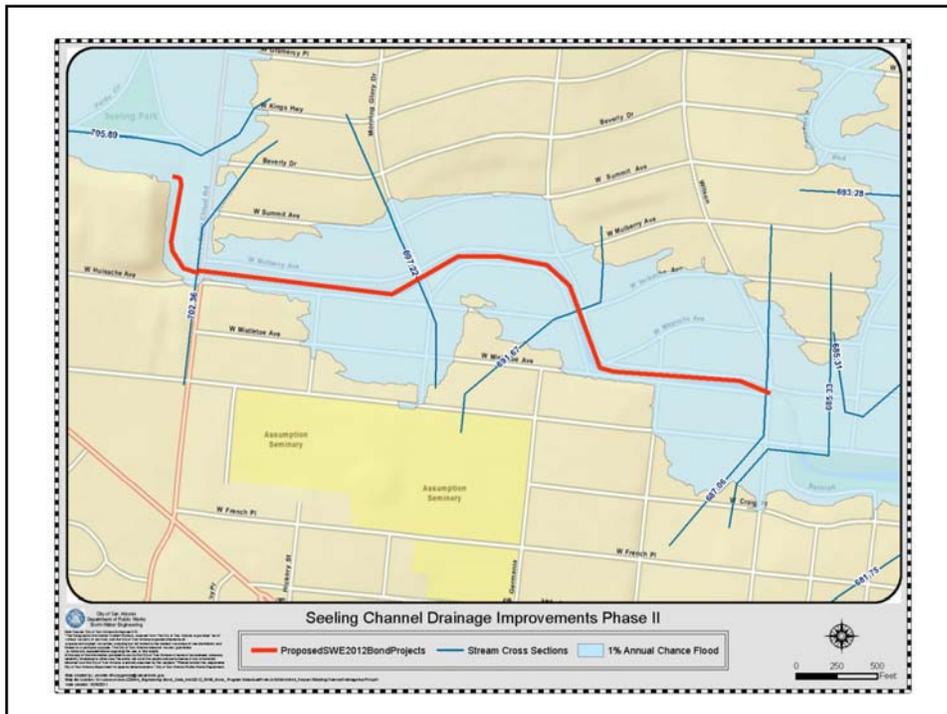
45

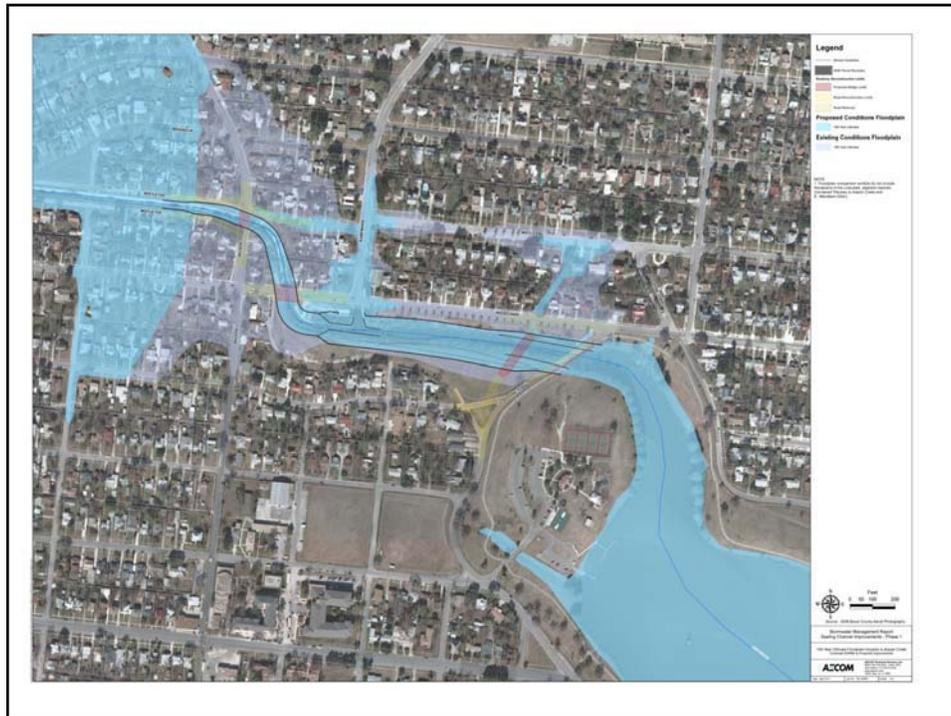
Sealing Channel Drainage Improvements Phase II

- Project will remove approximately 190 properties from floodplain



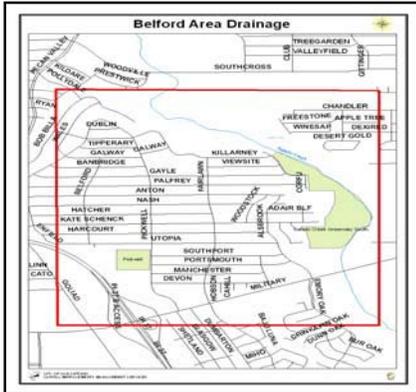
Seeling Channel





Staff Recommended
Projects Not Toured

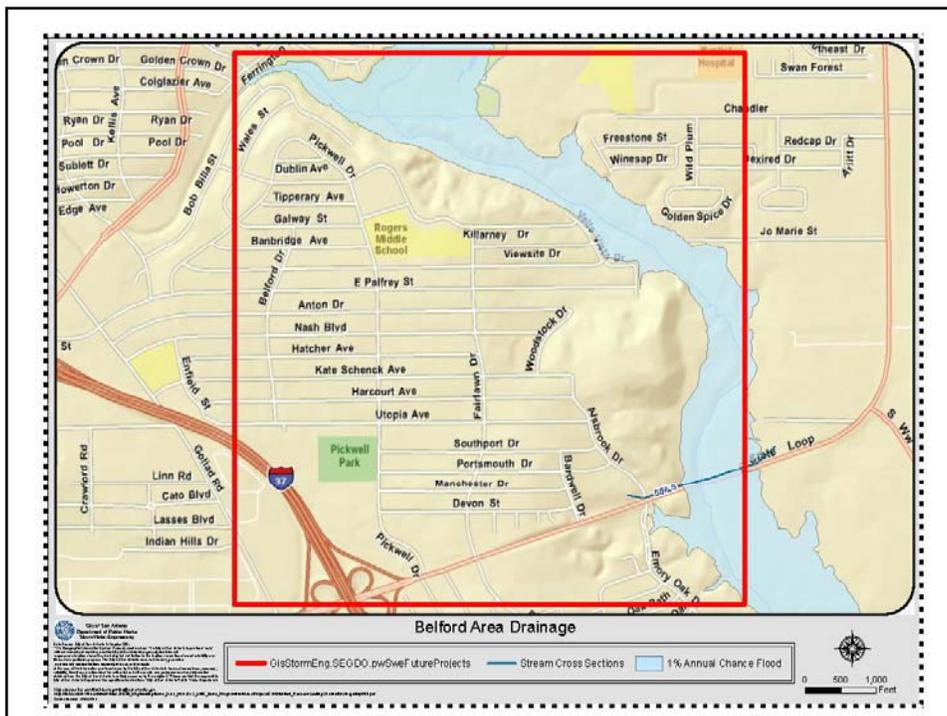
Belford Area Drainage



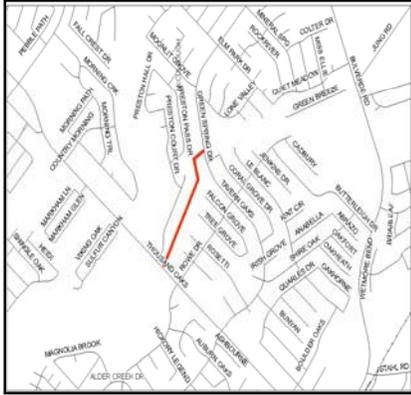
\$8 Million

Scope: This project will construct improvements that will be identified in a Belford Area Drainage study.

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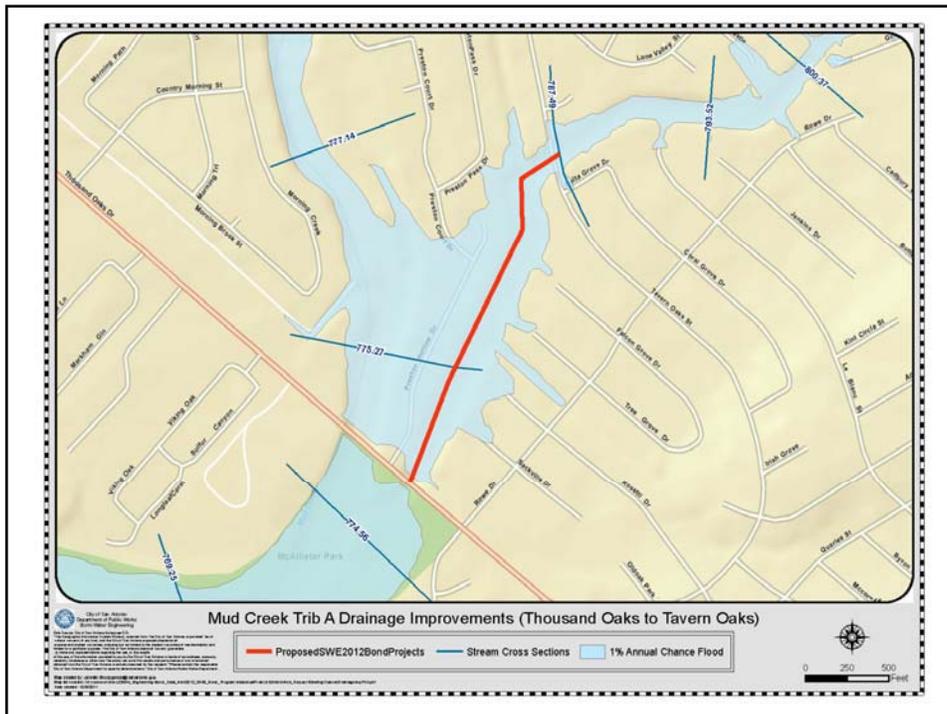


Mud Creek Tributary A Drainage Improvements

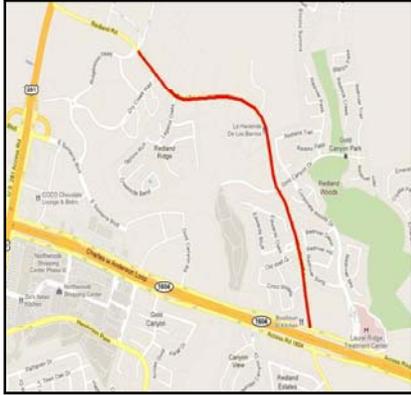


\$2 Million

Scope: The project will improve an existing earthen channel and improve drainage to remove properties from the floodplain.



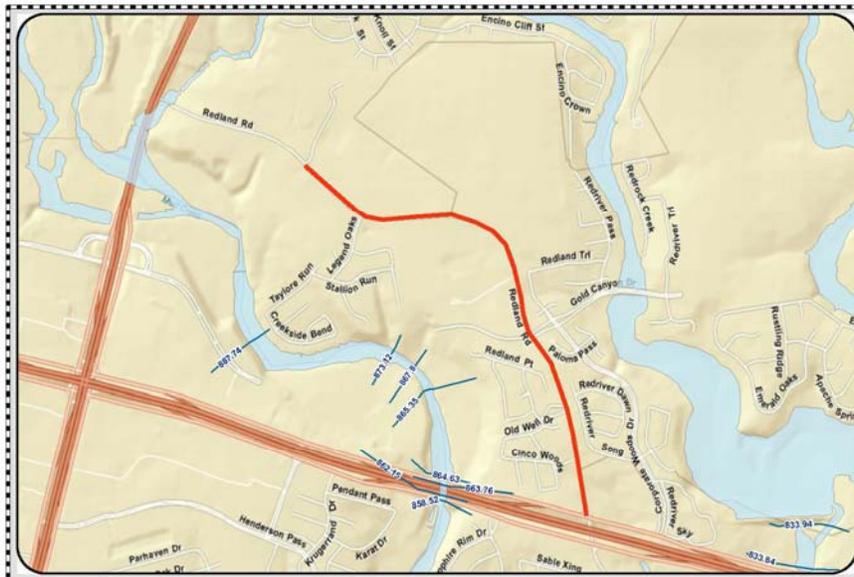
Redland Road (Loop 1604 to Ridgewood Pkwy) Drainage Improvements



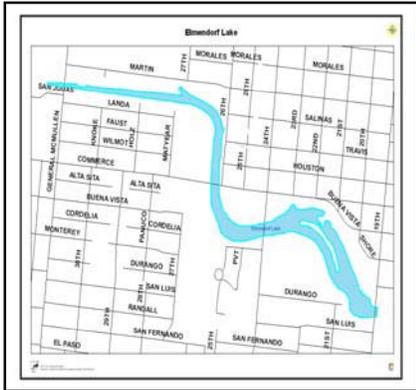
\$10.7 Million

Scope: Reconstruct and widen Redland Road with drainage improvements as needed.

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Elmendorf Lake Area Improvements



\$1.5 Million

Implementation of projects to reduce erosion and improve water quality in the Elmendorf Lake area.

Leverage Funding: \$10 M Bexar County & \$2 M Parks & Recreation

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