

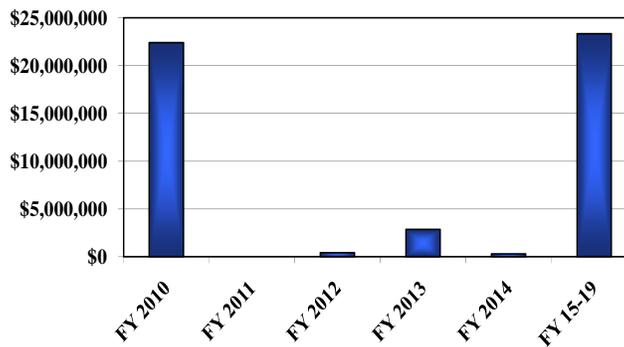


Drainage

Storm water flows through the City of Peoria typically from the northeast to the southwest. As development occurs, the additional impervious surface area impacts the effective drainage of these flows, driving the need for drainage infrastructure. The City partners with the development community to ensure that onsite drainage issues are addressed during the development process. The City’s Capital Improvement Program addresses regional drainage issues through the drainage projects contained herein.

Drainage projects in the Capital Improvement Program are typically funded from General Obligation Bonds, with additional funding provided by such outside sources as the Flood Control District of Maricopa County. The considerable funding in FY 2010 includes significant projects such as drainage channels along Pinnacle Peak Road and Beardsley Road, 83rd to 91st Avenue.

**FY 2010 - 2019
Capital Improvement Plan
Total Drainage
\$49,283,624**



Drainage

Name	Pg#	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15-19	Total
87th Av Storm Drain; Olive Av to Monroe St	20	\$0	\$0	\$403,648	\$2,601,287	\$0	\$0	\$3,004,935
91st Av Storm Drain; Olive Av to Mountain View Rd	21	\$0	\$0	\$0	\$0	\$293,793	\$2,123,473	\$2,417,266
Beardsley Rd Channel Improvements	22	\$0	\$0	\$0	\$0	\$0	\$3,750,000	\$3,750,000
Deer Valley Rd Drainage & Road; 91st Av to 83rd Av	23	\$4,478,573	\$0	\$0	\$0	\$0	\$0	\$4,478,573
Drywells	24	\$213,295	\$0	\$0	\$0	\$0	\$0	\$213,295
Glendale-Peoria ADMP Update	25	\$250,000	\$0	\$0	\$250,000	\$0	\$0	\$500,000
Mountain View Rd Drainage; 91st Av to 89th Av	26	\$0	\$0	\$0	\$0	\$0	\$1,325,000	\$1,325,000
New River Mitigation Site	27	\$155,666	\$0	\$0	\$0	\$0	\$0	\$155,666
Pinnacle Peak Channel; 87th Av to Agua Fria	28	\$6,263,395	\$0	\$0	\$0	\$0	\$958,084	\$7,221,479
Pinnacle Peak Rd & 67th Av Channel to New River	29	\$270,000	\$0	\$0	\$0	\$0	\$15,175,504	\$15,445,504
Rose Garden Ln Channel	30	\$4,847,077	\$0	\$0	\$0	\$0	\$0	\$4,847,077
Washington Street Storm Drainage Alley	31	\$378,890	\$0	\$0	\$0	\$0	\$0	\$378,890
Westbrook Village Ct Verdict Drainage Improvements	32	\$5,545,939	\$0	\$0	\$0	\$0	\$0	\$5,545,939
Total - Drainage		\$22,402,835	\$0	\$403,648	\$2,851,287	\$293,793	\$23,332,061	\$49,283,624

Drainage

Summary of Funding Sources

Description of Fund	FY 10	FY 11	FY 12	FY 13	FY 14	FY 15-19	Total
1000 - General	\$34,596	\$0	\$0	\$0	\$0	\$0	\$34,596
4220 - GO Bonds 2009 Issue	\$5,679,130	\$0	\$0	\$0	\$0	\$0	\$5,679,130
4240 - GO Bonds 2010 Issue	\$14,135,550	\$0	\$0	\$0	\$0	\$0	\$14,135,550
4810 - Capital Projects - Outside Sources	\$2,553,559	\$0	\$0	\$0	\$0	\$7,587,752	\$10,141,311
4970 - Proposed GO Bonds	\$0	\$0	\$403,648	\$2,851,287	\$293,793	\$15,744,309	\$19,293,037
Total	\$22,402,835	\$0	\$403,648	\$2,851,287	\$293,793	\$23,332,061	\$49,283,624

87th Av Storm Drain; Olive Av to Monroe St

Project Number :EN00257

Project Location :87th Av from Olive Av to Monroe St & Mtn View Rd from 87th Av to 85th Av

Description:

This project provides for the design, construction and construction administration for the storm drain on 87th Avenue from Olive Avenue to Monroe Street and along Mountain View Road from 87th Avenue to 85th Avenue. The purpose is to capture the drainage along 87th Avenue and the contributing drainage area north of Olive Avenue to reduce the impact of the storm water reaching and overwhelming Olive Avenue. The improvements will consist of storm drains, laterals and catch basins which are an extension of the overall drainage system. The project also includes the mill & overlay of the existing pavement from curb to curb and from Olive Avenue to Monroe Street.

Justification:

The City approved a rezoning in the Downtown Area of Peoria, where on-lot storm water storage was waived for developments and re-developments in the heart of Downtown Peoria. An update to the Drainage Master Plan was performed which recommended additional storm drainage improvements, needed to account for the shortage of storm water storage resulting from the anticipated change in land use. This storm drain was the result of the recommendation of the Downtown Area Drainage Master Plan.



Category	Funding Source	Carryover / Base	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Total
Construction	Proposed GO Bonds	Base	\$0	\$0	\$0	\$2,601,287	\$0	\$0	\$0	\$0	\$0	\$0	\$2,601,287
Design	Proposed GO Bonds	Base	\$0	\$0	\$403,648	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$403,648
Total Budget			\$0	\$0	\$403,648	\$2,601,287	\$0	\$0	\$0	\$0	\$0	\$0	\$3,004,935

	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Total
Total Operating Impacts:	\$0	\$0	\$0	\$0	\$4,500	\$4,500	\$4,500	\$4,500	\$4,500	\$4,500	\$27,000

91st Av Storm Drain; Olive Av to Mountain View Rd

Project Number :EN00231

Project Location :91st Av from Olive Av to Mountain View Rd

Description:

This project provides for the design, construction, construction administration of the 91st Avenue storm drain from Olive Avenue to Mountain View Road. The purpose is to capture the drainage along 91st Ave north of Olive Avenue and from Mountain View Road which reaches 91st Avenue to reduce the impact of the storm water reaching and overwhelming the intersection. Improvements will include extension of the storm drain and catch basins on 91st Avenue to convey the storm drainage to the Olive Storm Drain. The project also includes the mill & overlay of the existing pavement from curb to curb and from Olive Avenue to Mountain View Road.

Justification:

This project provides for the design and construction of the 91st Avenue storm drain improvements. There are other solutions to direct storm drainage directly to the ADOT channel that will be investigated. These alternate routes will be evaluated in conjunction with private developments. The drainage valley gutters interfere with the convenient travel along 91st Avenue, considering they are only needed for the actual storm event. This project is an element from the Glendale-Peoria Area Drainage Master Plan. (G-P ADMP)



Category	Funding Source	Carryover / Base	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Total
Construction	Proposed GO Bonds	Base	\$0	\$0	\$0	\$0	\$0	\$1,893,335	\$0	\$0	\$0	\$0	\$1,893,335
Contingency	Proposed GO Bonds	Base	\$0	\$0	\$0	\$0	\$0	\$230,138	\$0	\$0	\$0	\$0	\$230,138
Design	Proposed GO Bonds	Base	\$0	\$0	\$0	\$0	\$293,793	\$0	\$0	\$0	\$0	\$0	\$293,793
Total Budget			\$0	\$0	\$0	\$0	\$293,793	\$2,123,473	\$0	\$0	\$0	\$0	\$2,417,266

	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Total
Total Operating Impacts:	\$0	\$0	\$0	\$0	\$0	\$0	\$2,500	\$2,500	\$2,500	\$2,500	\$10,000

Beardsley Rd Channel Improvements

Project Number : PW00112

Project Location : Beardsley Rd drainage ditch from Lake Pleasant Rd to 107th Av Lining

Description:

This project is for the design, construction and construction administration of the Beardsley Channel from Lake Pleasant Road to the Agua Fria River. Improvements will consist of regrading of the channel, channel lining improvements, erosion protection, drywells, drop structures/baffels and improvements to the box culverts along the Beardsley Road channel from Lake Pleasant Road to the Agua Fria River. Roadway storm drains will be included as needed, with laterals and catch basins.

Justification:

The Glendale-Peoria Area Drainage Master Plan (ADMP) is a regional storm drainage plan. Each element proposed in an ADMP is essential to the proper function of the storm drainage system. Recommendations from that plan are made to meet the intentions for the storm drainage system, in an orderly manner. This project is identified as an element of the ADMP. This project is a candidate for Flood Control District and other agency participation. The unstabilized earthen channel was constructed by Del Webb for the protection of Sun City and was constructed to the standards of the day. Maintenance has continued; however, the condition of the channel has deteriorated to the point of needing the lining. The lining will reduce the maintenance of the channel over the short and mid term. Upstream developments have added to the drainage system for which this channel is a substantial and vital link.



Category	Funding Source	Carryover / Base	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Total
Construction	Proposed GO Bonds	Base	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,500,000	\$0	\$2,500,000
Design	Proposed GO Bonds	Base	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$300,000	\$0	\$0	\$300,000
Land	Proposed GO Bonds	Base	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$850,000	\$0	\$0	\$850,000
Study	Proposed GO Bonds	Base	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$100,000	\$0	\$0	\$100,000
Total Budget			\$0	\$1,250,000	\$2,500,000	\$0	\$3,750,000						

Deer Valley Rd Drainage & Road; 91st Av to 83rd Av

Project Number :EN00128

Project Location :Deer Valley Rd from 95th Ave to 83rd Ave

Description:

This project provides for the design, right of way acquisition, construction and construction administration for drainage and roadway facilities along Deer Valley Road from 85th Avenue to 91st Avenue. The improvements consist of inlet structures, culverts, and regrading of perpendicular roadways in order to direct drainage from the north side of Deer Valley Road into the existing drainage system, along the south side of Deer Valley Road. The project also includes widening of Deer Valley Road and construction of curb and gutter. This project will be closely coordinated with the 83rd Avenue and Deer Valley Road intersection widening project.



Justification:

The Glendale-Peoria Arizona Drainage Master Plan (ADMP) recommends a series of channels and ditches along the north side of Deer Valley Road. These structures would collect sheet flow from the north and convey it into one of three culverts that would cross under Deer Valley Road. The City performed a Design Concept Report that determined the system along the south side of Deer Valley Road is underutilized and changes to the overall drainage concept can maximize the existing improvements by installing culverts at the cross-roadway locations (where drainage is directed) and convey beneath Deer Valley Road. The costs are greatly reduced since the north channel and companion right of way is not needed. The culverts under Deer Valley Road would convey the storm runoff to existing infrastructure on the south side of Deer Valley Road. The ADMP also recommends dual roadside ditches along 87th, 88th, 89th, and 90th between Williams Road and Deer Valley Road. For 89th Avenue aside from the dual roadside ditches, the City along with Maricopa County Department of Transportation (MCDOT) has resolved to construct an inverted crown roadway to achieve the same purpose as the dual ditches. Since the remaining area is located within a County Island, the City has only planned for construction of the Deer Valley Road collection system, and for other than 89th Avenue, will rely on MCDOT to complete the remaining improvements. MCDOT currently has not recommended any projects to address these ditches.

Category	Funding Source	Carryover / Base	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Total
Construction	GO Bonds 2009 Issue	Carryover-FY	\$4,468,573	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,468,573
Land	GO Bonds 2009 Issue	Carryover-FY	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000
Total Budget			\$4,478,573	\$0	\$4,478,573								

	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Total
Total Operating Impacts:	\$11,574	\$11,574	\$11,574	\$11,574	\$11,574	\$11,574	\$11,574	\$11,574	\$11,574	\$11,574	\$115,740

Drywells

Project Number : PW00185

Project Location : Various Drainage Basins

Description:

This project is for the rehabilitation of existing drywell systems and/or the installation of new drywell systems to drain nuisance water ponding which primarily occurs in storm drainage retention/detention basins.

Justification:

Drywells have a limited life expectancy whereby they either need to be rehabilitated or abandoned. In order to abandon a drywell, significant work is needed to protect the ground water resource which continues to be a supplemental source for Peoria's drinking water. This project is for such rehabilitation and abandonment. Additionally, the failure of a collection of water runoff, whether from car washing, landscape overwatering or rain event, needs to be dried up within a certain timeframe to avoid incubation of insects and other health related concerns. Drywells function primarily to drain runoff within this established timeframe.



Category	Funding Source	Carryover / Base	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Total
Construction	GO Bonds 2009 Issue	Carryover-FY	\$213,295	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$213,295
Total Budget			\$213,295	\$0	\$213,295								

	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Total
Total Operating Impacts:	\$0	\$0	\$1,200	\$0	\$0	\$1,200	\$0	\$0	\$0	\$0	\$2,400

Glendale-Peoria ADMP Update

Project Number :EN00139

Project Location :Downtown Peoria

Description:

This project will update the Glendale-Peoria Area Drainage Master Plan (ADMP) to update various areas of the City. One such area is the Varney Tract Area. The Varney Tract area update is for addressing citizen complaints along 81st Avenue south of Cactus Road. Other ADMP updates will be coordinated with the Flood Control District of Maricopa County at a later date. The studies will determine whether the existing drainage facilities in the area are adequate to handle the additional run-off.

Justification:

The ADMP updates will determine the drainage requirements that may be needed in the Varney Tract and other areas of the City, as studied in future years.



Category	Funding Source	Carryover / Base	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Total
Study	GO Bonds 2010 Issue	Carryover-FY	\$250,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$250,000
Study	Proposed GO Bonds	Base	\$0	\$0	\$0	\$250,000	\$0	\$0	\$0	\$0	\$0	\$0	\$250,000
Total Budget			\$250,000	\$0	\$0	\$250,000	\$0	\$0	\$0	\$0	\$0	\$0	\$500,000

Mountain View Rd Drainage; 91st Av to 89th Av

Project Number :EN00130

Project Location :Mtn. View Rd from 91st Av to 89th Av

Description:

This project is for the design, construction and construction administration for a storm drainage project to capture the drainage along Mountain View Rd, east of 91st Avenue to reduce the impact of the storm water reaching and overwhelming the 91st Avenue & Mountain View Road intersection. The improvements will consist of storm drains, laterals and catch basins, which are an extension of the overall drainage system, and the mill & overlay of the existing roadway from curb to curb and from 91st Avenue to 89th Avenue.

Justification:

The Glendale-Peoria Area Drainage Master Plan (ADMP) is a regional storm drainage plan. Each element proposed in an ADMP is essential to the proper function of the storm drainage system. Recommendations from that plan are made to meet the intentions for the storm drainage system, in an orderly manner. This project is identified as an element of the ADMP.



Category	Funding Source	Carryover / Base	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Total
Construction	Proposed GO Bonds	Base	\$0	\$0	\$0	\$0	\$0	\$0	\$1,045,000	\$0	\$0	\$0	\$1,045,000
Contingency	Proposed GO Bonds	Base	\$0	\$0	\$0	\$0	\$0	\$0	\$120,000	\$0	\$0	\$0	\$120,000
Design	Proposed GO Bonds	Base	\$0	\$0	\$0	\$0	\$0	\$160,000	\$0	\$0	\$0	\$0	\$160,000
Total Budget			\$0	\$0	\$0	\$0	\$0	\$160,000	\$1,165,000	\$0	\$0	\$0	\$1,325,000

	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Total
Total Operating Impacts:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,500	\$3,500	\$3,500	\$10,500

New River Mitigation Site

Project Number : PW00180

Project Location : New River @ Jomax

Description:

This will be for the purchase of land for replacement of habitat expected to be disturbed when erosion control and channelization projects are pursued in New River from the Skunk Creek Confluence to the New River Dam based on our 404 permit with the Corps. The project will also include fencing to prohibit public access and patrolling for damage, litter and vandalism. Maintenance of the fence, litter pick-up and patrolling will be an ongoing expense. The City will collect proceeds from development, including CIP projects, as related bank and channel improvements to New River are made. After an accumulation of enough proceeds, segmented purchases will be made from a larger parcel which is reserved to meet the overall mitigation purposes.

Justification:

A permit covering Middle New River Watercourse Master Plan (MNRWCMP), New River from the confluence of Skunk Creek to the New River Dam, for erosion protection and channelization projects that have an impact on the vegetation and wildlife that inhabit the current unimproved reaches of New River. The permit achieved through the Army Corps of Engineers requires that an adjoining displaced tract of land be set aside for the re-establishment of potential lost wildlife, vegetation and habitat. This Mitigation Site is in trade for otherwise re-establishing the habitat directly within the adjacent Channel associated with individual developments. The result is that New River will be available for the City and other jurisdictions to utilize the channel for trails and other recreational amenities that do not interfere with the Mitigation Site and its intent of preservation of natural habitat and wildlife refuge. The City is obligated for up to 38 acres of Mitigation, should the complete channel reach be improved, which is unlikely. As developments continue, the City will continue to administer the Mitigation contributions and purchase land in compliance to the ACOE 404 Permit. A large parcel of land along New River was donated to the City by a developer, relieving the City of its obligation to purchase land for the purpose of mitigation.



Category	Funding Source	Carryover / Base	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Total
Construction	Capital Projects - Outside	Carryover-FY	\$99,790	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$99,790
Land	Capital Projects - Outside	Carryover-FY	\$55,876	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$55,876
Total Budget			\$155,666	\$0	\$155,666								

	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Total
Total Operating Impacts:	\$400	\$400	\$400	\$400	\$400	\$400	\$400	\$400	\$400	\$400	\$4,000

Pinnacle Peak Channel; 87th Av to Agua Fria

Project Number :EN00134

Project Location :Pinnacle Peak Rd from 87th Av to Agua Fria

Description:

This project is for the design, right of way, construction, and construction administration for storm drainage facilities to capture the drainage from the contributing area north of Pinnacle Peak Road from 87th Avenue to the Agua Fria. This project will reduce the impact of the storm runoff reaching and overwhelming developments south of Pinnacle Peak Rd. The improvements will consist of channels, culverts, storm water storage basins, storm drains, laterals and catch basins which are an extension of the overall drainage system. Right of way will be needed for the storm drainage facilities including the storm water storage basins. Phase I of the project will extend from 99th Av to the Agua Fria River as a joint project with the Flood Control District of Maricopa County. Phase II will address the section from 91st Av to 87th Av, again as a joint project with the Flood Control District of Maricopa County. Phase II is in out years after the Camino North (The Meadows) development completes the intervening segment of drainage from 91st Av to 99th Av. This project will be closely coordinated with Phased Pinnacle Peak Road street projects.



Justification:

The Glendale-Peoria Area Drainage Master Plan (ADMP) is a regional storm drainage plan. Each element proposed in an ADMP is essential to the proper function of the storm drainage system. Recommendations from that plan are made to meet the intentions for the storm drainage system, in an orderly manner. This project is identified as an element of the ADMP. This project is a candidate for Flood Control District, and other agency participation. The Flood Control District elected to split the drainage project until the intervening segment of drainage could be constructed which would connect Phase II to the overall drainage system.

Category	Funding Source	Carryover / Base	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Total
Construction	GO Bonds 2010 Issue	Carryover-FY	\$1,096,695	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,096,695
Land	GO Bonds 2010 Issue	Carryover-FY	\$4,891,577	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,891,577
Study	GO Bonds 2010 Issue	Carryover-FY	\$275,123	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$275,123
Construction	Proposed GO Bonds	Base	\$0	\$0	\$0	\$0	\$0	\$0	\$742,901	\$0	\$0	\$0	\$742,901
Contingency	Proposed GO Bonds	Base	\$0	\$0	\$0	\$0	\$0	\$0	\$87,098	\$0	\$0	\$0	\$87,098
Design	Proposed GO Bonds	Base	\$0	\$0	\$0	\$0	\$0	\$96,064	\$0	\$0	\$0	\$0	\$96,064
Study	Proposed GO Bonds	Base	\$0	\$0	\$0	\$0	\$0	\$32,021	\$0	\$0	\$0	\$0	\$32,021
Total Budget			\$6,263,395	\$0	\$0	\$0	\$0	\$128,085	\$829,999	\$0	\$0	\$0	\$7,221,479

	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Total
Total Operating Impacts:	\$0	\$17,000	\$17,000	\$17,000	\$17,000	\$17,000	\$17,000	\$17,000	\$17,000	\$17,000	\$153,000

Pinnacle Peak Rd & 67th Av Channel to New River

Project Number :EN00119

Project Location :67th Av & Pinnacle Peak Rd - 67th Av to New River

Description:

This project is for the design, construction and construction administration for storm drainage facilities to capture the drainage along Pinnacle Peak Road and 67th Avenue. Runoff from north of Happy Valley Road flows south in poorly defined channels, joining runoff from the east to overwhelm existing drainage facilities southwest of Pinnacle Peak and 67th Avenue. The improvements will consist of channels, box culverts, storm water storage basins, storm drains, laterals and catch basins which are an extension of the overall drainage system. Right of way will be needed to construct the channels, storm drains and storm water basins. This is a Regional Project where we would expect participation from other agencies. This project must be constructed prior to the roadway widening of 67th Avenue between Pinnacle Peak Road and Happy Valley Road. (CIP Project #EN00100)



Justification:

The Glendale-Peoria Area Drainage Master Plan (ADMP) is a regional storm drainage plan. Each element proposed in an ADMP is essential to the proper function of the storm drainage system. Recommendations from that plan are made to meet the intentions for the storm drainage system, in an orderly manner. This project is identified as an element of the ADMP. This project is a candidate for private property, Flood Control District, and other agency participation.

Category	Funding Source	Carryover / Base	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Total
Construction	Capital Projects - Outside	Base	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,258,197	\$5,258,197
Contingency	Capital Projects - Outside	Base	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$496,395	\$496,395
Design	Capital Projects - Outside	Base	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$683,339	\$0	\$0	\$683,339
Land	Capital Projects - Outside	Base	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$923,175	\$0	\$923,175
Study	Capital Projects - Outside	Base	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$226,646	\$0	\$226,646
Land	GO Bonds 2010 Issue	Carryover-FY	\$270,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$270,000
Construction	Proposed GO Bonds	Base	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,532,929	\$4,532,929
Contingency	Proposed GO Bonds	Base	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$496,395	\$496,395
Design	Proposed GO Bonds	Base	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$683,339	\$0	\$725,268	\$1,408,607
Land	Proposed GO Bonds	Base	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$923,175	\$0	\$923,175
Study	Proposed GO Bonds	Base	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$226,646	\$0	\$226,646
Total Budget			\$270,000	\$0	\$0	\$0	\$0	\$0	\$0	\$1,366,678	\$2,299,642	\$11,509,184	\$15,445,504

	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Total
Total Operating Impacts:	\$0	\$0	\$0	\$0	\$13,413	\$13,413	\$13,413	\$13,413	\$13,413	\$13,413	\$80,478

Rose Garden Ln Channel

Project Number : PW00184

Project Location : Rose Garden Ln: Agua Fria to Lake Pleasant Parkway

Description:

This project is for design, right of way, construction, and construction administration of a drainage channel and related improvements to intercept drainage from the contributing area north of Rose Garden Lane and west of 95th Avenue. The improvements will convey the flow to the Agua Fria River. The right of way for the channel will be included in the costs of the project. The improvements will consist of channel excavation, erosion protection, culverts and catch basins. Utility relocations are expected to be included in the overall costs for the project.

Justification:

Residential developments have pushed beyond any manmade drainage infrastructure. The drainage pattern in the vicinity is primarily sheet flow which is interrupted by few localized washes, and carried to the Agua Fria River. The sheet flow pattern is suddenly broken off by subdivision development which unsuccessfully attempts to collect the drainage and control sheet flow into storm drainage systems such as channels, storm drains and retention basins. The intent is to safely convey the storm water through and around the development and direct the discharge into manmade infrastructure. This project will compensate for such failures in maintenance. Covered by Desert Amethyst Drainage in 2000 GO Bond Election.



Category	Funding Source	Carryover / Base	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Total
Construction	Capital Projects - Outside	Carryover-FY	\$2,297,893	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,297,893
Land	Capital Projects - Outside	Carryover-FY	\$100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$100,000
Construction	GO Bonds 2009 Issue	Carryover-FY	\$249,184	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$249,184
Land	GO Bonds 2009 Issue	Carryover-FY	\$100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$100,000
Construction	GO Bonds 2010 Issue	Base	\$2,100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,100,000
Total Budget			\$4,847,077	\$0	\$4,847,077								

Washington Street Storm Drainage Alley

Project Number :EN00286

Project Location : Washington Street

Description:

This project will mitigate storm flows onto properties along Washington Street.



Category	Funding Source	Carryover / Base	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Total
Construction	GO Bonds 2009 Issue	Carryover-FY	\$378,890	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$378,890
		Total Budget	\$378,890	\$0	\$378,890								

Westbrook Village Ct Verdict Drainage Improvements

Project Number : EN00003

Project Location : Westbrook Village: Beardsley Rd, 83rd to 91st Ave

Description:

This project is to provide for the design, construction, construction administration, and acquisition of tracts/easements necessary to implement the recommended improvements developed by the study for implementing the enjoined Westbrook Golf Club vs. The City of Peoria court ruling. The existing detention basin system upstream of Westbrook Village (WBV) would be converted into retention basins. The existing detention basins would be modified to hold back the runoff from the 100-year, two-hour storm from the portions of developments not currently served by retention basins. The storm runoff volumes in excess of the required retention volume would flow through the basins and downstream into WBV. The project also proposes the construction of a storm drain system along alternative routes - 1) along Beardsley Road and 91st Avenue draining into the existing storm drain at 91st Avenue and Union Hills, and 2) along Beardsley Road and 83rd Avenue to New River.



Justification:

This project provides for the design, construction, and acquisition of tracts/easements necessary to implement the recommended improvements developed by the study for implementing the enjoined ruling from Westbrook Golf Club vs. The City of Peoria. The ruling was in two parts; first, the City of Peoria wrongfully discharged water onto Westbrook Villa Golf Club, and second, the City of Peoria must provide for retention of storm water falling within the boundaries of each of the developments within Peoria City limits north of WBV sufficient to retain the two-hour, 100-year storm runoff.

Category	Funding Source	Carryover / Base	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Total
Study	General	Carryover-FY	\$34,596	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$34,596
Construction	GO Bonds 2009 Issue	Carryover-FY	\$259,188	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$259,188
Construction	GO Bonds 2010 Issue	Carryover-FY	\$4,452,155	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,452,155
Land	GO Bonds 2010 Issue	Carryover-FY	\$800,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$800,000
Total Budget			\$5,545,939	\$0	\$5,545,939								

	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	Total
Total Operating Impacts:	\$8,693	\$8,693	\$8,693	\$8,693	\$8,693	\$8,693	\$8,693	\$8,693	\$595,000	\$595,000	\$1,259,545

