

# CITY OF COOS BAY CITY COUNCIL

## Agenda Staff Report

This item was previously discussed at Joint URA/Council Worksession on 8/8/2017

MEETING DATE	AGENDA ITEM NUMBER
August 15, 2017	5.

TO: Mayor Benetti and City Councilors

FROM: Jennifer Wirsing, Wastewater Project Engineer

THROUGH: Rodger Craddock, City Manager

ISSUE: Approval of a Contract Amendment to Infrastructure Finance Authority (IFA) Loan 1 by Public Works & Community Development Director Jim Hossley

### **SUMMARY:**

Staff is requesting to amend the original Infrastructure Finance Authority contract for Loan 1 dated June 20, 2012. The amendment will include extending the deadline to December 31, 2018 and re-categorizing project budget amounts within the loan (overall there were 12 project budgets within the loan). The original loan and grant that totaled \$4,803,213 will not change. The approval of this amendment will allow the City to complete design for a pump station upgrade, located in Eastside, and a force main that will transmit flows from Eastside to the pump station located at the corner of Birch and Front. The project will remove approximately 3 million gallons per day (MGD) from the downtown collection system. The increase in capacity will allow for future downtown development or development that is tributary to the downtown sanitary sewer system (Bunkerhill Sanitary Sewer System, Englewood, etc.).

### **ACTION REQUESTED:**

If it pleases the Council, approve the amendment to the Infrastructure Finance Authority Loan 1 contract for an extension and budget re-categorization.

### **BACKGROUND:**

The City entered into a contract with Oregon Infrastructure Finance Authority (IFA) in June 2012. This contract awarded a \$4,303,211 low interest loan and a \$500,000 grant to design and construct projects that reduced inflow and infiltration to the sanitary sewer collection system. The loan and grant also covered planning and a portion of design for the Wastewater Treatment Plant 2 Upgrade and Expansion project. To date, approximately 70% of the budget is expended, and it is anticipated that by the end of summer that number will increase to just over 85%. In order to finish the projects identified in the loan an additional year is needed. The

following language describes the need for the extension in more detail along with a discussion of the budget re-categorization. Currently, the flows from Eastside are transmitted via a force main by Pump Station 17 located at the intersection of 6th Avenue and F Street. The force main conveys flows south along 6th Avenue, and it is aligned under the Isthmus Slough Bridge. The force main confluent with the Bunkerhill Sanitary District Force Main near Georgia Pacific, and it travels north to the pump station located in the Farr's parking lot. The flows then continue north through the downtown area, and they are ultimately treated by Plant 1. The force main has been identified as a deficient system in need of repair from Pump Station 17 to the Bunkerhill confluence. The Dyer Partnership has performed preliminary planning, and it has discovered constructability issues for the portion that is buried under the slough. The engineers have determined that if this force main is constructed in the current alignment and is directionally drilled it could be subject to a hydro fracture otherwise known as a frac out. A frac out is the inadvertent loss of drilling fluid from the borehole annulus to the surrounding solid as a result of excess downhole fluid pressure. Originally this line was trenched in at low tide; however, due to present-day environmental restrictions, this is no longer feasible. The Dyer Partnership has proposed that the City realign this force main to go north towards Eastside boat ramp then west under the slough to the pump station at Birch and Front Street. This proposed alignment will remove approximately 3 million gallons per day (MGD) from the downtown system and increase capacity that will allow for future development that is either downtown or tributary to downtown. This proposal will also require the upgrade of the pump station at 6th Avenue and F Street.

The other projects that have changed since entering into this contract are the two projects associated with Plant 1: Grit Chamber and Garage/Storage Facility Design. Because the City has started planning for the Plant 1 upgrade, staff does not recommend performing this project until the planning is complete. Staff further recommends that these budgets be combined and fund 30% of the Facility Planning efforts for Plant 1.

Currently this effort has been awarded to CH2M. The remaining changes are budgetary and will reconcile the projects after completion. Overall, the total budget of \$4,803,213 has not changed. The IFA loan manager has approved the changes outlined in this staff report. For more information regarding these proposed changes, the July 13, 2017 letter to IFA from staff has been included.

**BUDGET IMPLICATIONS:**

There is no change to the overall loan and grant for \$4,803,213. There are only project category changes and project budget changes. Approval of this amendment to the IFA Loan 1 contract will have no budgetary impact.

**ATTACHMENT(S):**

- IFA Letter



**City of Coos Bay**  
Public Works and Development Department  
500 Central Avenue, Coos Bay, OR 97420  
PH 541-269-8918 – FAX 541-269-8916  
www.coosbay.org

July 13, 2017

Business Oregon IFA  
Attention: Mary Baker  
735 Commercial St Suite 7000  
Klamath Falls, OR 97601

**Subject: Extension & Re-Categorizing Request for Infrastructure Finance Authority (IFA) Loan Y12005**

Dear Mary,

The City entered into an agreement with IFA in 2012 for a loan and grant totaling \$4,803,213. To date, the City has expended \$3,364,524.00 (approximately 70% of the loan and grant). The City has plans of expending \$860,361 by the December 31<sup>st</sup> deadline, which will bring the amount spent to approximately 88%. This will result in a remaining balance of \$578,328.00. This remaining budget is associated with the Isthmus Slough project. Due to unforeseen design implications with this project the City is respectfully requesting a 12-month extension for the IFA Loan Number Y12005. Along with the extension request, the City is also requesting budget adjustments within the loan.

The City entered into this loan in June of 2012. Since that time construction prices have increased and design has changed. This has led to some of the projects coming in under budget and some of them being overrun. The following information proposes changes to the 11 projects associated with Loan 1. This is also summarized in the attached spreadsheet:

**LINE ITEM: PLANT 1 GRIT CHAMBER & PLANT 1 GARAGE/STORAGE FACILITY DESIGN**

**BACKGROUND:**

The two projects under this line item are specified in the City's original Facility Plan for Plant 1 (dated 2011). For the past few years, the City knew that an amendment to the original Facility Plan would be required by the Department of Environmental Quality (DEQ) and as such was included as a project in the IFA Loan 2 application. The City was reluctant to complete Facility Plan projects with the uncertainty of what results an amendment would yield. Furthermore, the City learned that the effort required for a facility plan amendment was more than what was budgeted for in the Loan 2 application. As a result, the budget in Loan 2 will only fund approximately 70% of the efforts.

**PROPOSED CHANGE:**

The City is proposing to combine the two projects titled, *Plant 1 Grit Chamber* and *Plant 1 Garage/Storage Facility Design* and replace with a project title of, *Plant 1 Facility Plan*

*Amendment (30%).* Furthermore, the City is proposing to utilize these IFA Loan 1 Plant 1 budgets that total \$75,000 to fund 30% of this effort.

**LINE ITEM: PLANT 2 ENGINEERING, ENVIRONMENTAL, & BIOSOLIDS**

**BACKGROUND:**

Plant 2 Engineering, Environmental, & Biosolids are now complete and have come in under budget. The City is currently under construction on the Plant 2 Expansion and Upgrade Project.

**PROPOSED CHANGE:**

The City is requesting the budget amount be adjusted from \$1,345,813 to \$1,290,255 and the remaining \$55,558 be transferred to the Inflow & Infiltration Projects line item.

**LINE ITEM: ISTHMUS SLOUGH**

**BACKGROUND:**

The City contracted with the Dyer Partnership to analyze a design performed by others and manage the construction phase of this project. Based on Dyer's assessment (including their geotechnical engineer's analysis), it was determined that the original design is not constructible and has significant environmental impacts. Based on this determination, Dyer prepared a planning document that analyzed other alignments. A preliminary alignment has been discovered, but will require coordination and approval with several resource agencies. As a result, significant environmental and geotechnical analyses will need to be completed and approved. The proposed budget for this design is approximately \$570,000. The city has included the engineer estimate that supports this budget amount. To date, the City has currently encumbered \$22,782 to a contract with Dyer so that they could perform this review and preliminary analysis.

**PROPOSED CHANGE:**

The City is requesting the budget amount be adjusted from \$650,000 to \$600,000 and the remaining \$50,000 be transferred to the Inflow & Infiltration Projects line item. Furthermore, the City is requesting a 1-year extension for the Loan which would extend this loan to December 2018. If the City moves forward with this design, procurement requirements dictate that a Statement of Qualifications be advertised. This is a 3- to 4-month effort to procure an engineer and negotiate a contract. The estimated timeframe to complete the final design is one year.

**LINE ITEM: BUNDLED SEWER PROJECTS**

**BACKGROUND:**

Originally there were three projects associated with this line item. Two of the three were completed in 2015 and only the 4<sup>th</sup>, 5<sup>th</sup>, and 6<sup>th</sup> Avenue Sewer Replacement project remains. Preliminary design has been completed and the City is currently commencing forward with final design and plans on bidding and constructing this project late summer/early fall. Upon the preliminary design, it was observed that one of the Inflow and Infiltration Projects (Basin FF) is immediately adjacent to this project. In an effort to reduce costs it is proposed to combine these two projects.

**PROPOSED CHANGE:**

The City is requesting to move the Basin FF project from Inflow & Infiltration Projects to the 4<sup>th</sup>, 5<sup>th</sup> & 6<sup>th</sup> Ave Sewer Replacement Project associated with the Bundled Sewer Projects line item. There is no proposed budget change to this line item.

**LINE ITEM: PUMP STATION 4**

**BACKGROUND:**

Pump Station 4 construction was completed early 2014 and came in well under budget.

**PROPOSED CHANGE:**

The City is requesting the budget amount be adjusted from \$1,093,700 to \$867,599 and the remaining \$214,101 be transferred to the Inflow & Infiltration Projects line item and the remaining \$12,000 be transferred to the Project Management line item.

**LINE ITEM: PUMP STATION 1**

**BACKGROUND:**

Due to unforeseen design challenges, Pump Station 1 came in over budget.

**PROPOSED CHANGE:**

The City is requesting the budget amount be adjusted from \$20,000 to \$49,102. The increase of \$29,102 in the budget line item will come from the 10<sup>th</sup> and Lockhart Design and Construction line item.

**Line Item: Birch & Front Street Storm Drain**

**BACKGROUND:**

The conflict that this project has with the existing railroad has increased construction cost estimates.

**PROPOSED CHANGE:**

The City is requesting the budget amount be adjusted from \$293,615 to \$309,858. The increase of \$16,243 in the budget line item will come from the 11<sup>th</sup> Street Design line item.

**LINE ITEM: 11<sup>TH</sup> ST DESIGN**

**BACKGROUND:**

The 11<sup>th</sup> St Design came in under budget and is complete and constructed (the construction was covered under the IFA Loan 2 budget).

**PROPOSED CHANGE:**

The City is requesting the budget amount be adjusted from \$30,000 to \$13,757 and the remaining \$16,243 be transferred to the Birch and Front line item.

**LINE ITEM: 10<sup>TH</sup> & LOCKHART DESIGN/CONSTRUCTION**

**BACKGROUND:**

10<sup>th</sup> & Lockhart design and construction is complete and came in under budget.

**PROPOSED CHANGE:**

The City is requesting the budget amount be adjusted from \$275,000 to \$243,279 and the remaining \$29,102 be transferred to the Pump Station 1 line item and \$2,619 be transferred to the Inflow and Infiltration line item.

**Line Item: Inflow & Infiltration Projects**

**Budget:**

There were originally four projects associated with this line item. One of the projects (Basin FF) has been proposed to be moved to the Bundle Projects line item. Fillmore Interceptor and Blossom Gulch was constructed in summer 2016. The Blossom Gulch project was expanded to include additional sewer replacement that were on the City's emergency repair list. This was previously discussed with Becky Bryant of IFA and was approved because of the significant budget savings that the City experienced on the Pump Station 4 line item. The remaining project is West of Plant 1. Design is complete and bids have been received. Based on the bid amount, contingency, and the construction management contract with HGE, it is estimated that to complete this project \$210,000 will be expended.

**PROPOSED CHANGE:**

The City is requesting that the Basin FF project be moved to the Bundle Projects line item. The City is requesting the budget amount be adjusted from \$517,230 to \$839,508.

The City is requesting to move the remaining funds from the following line items to Inflow & Infiltration Projects:

- Plant 2 move \$55,558.00
- Isthmus Slough move \$50,000.00
- Pump Station 4 move \$214,101.00
- 10<sup>th</sup> & Lockhart move \$2,619.00

**LINE ITEM: PROJECT MANAGEMENT**

**BACKGROUND:**

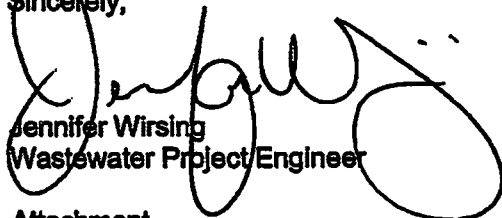
This loan has been extended and this letter includes another request for a further extension to December 2018. As such CCD, who performs the City's Project Administration for the loan has requested a change order of \$12,000. The City has no objections to the change order.

**PROPOSED CHANGE:**

The City is requesting the budget amount be adjusted from \$25,000 to \$37,000. The increase of \$12,000 in the budget line item will come from Pump Station 4 line item.

In summary, it is anticipated that all projects, with the exception of Isthmus Slough will be completed December 2017. In order for design to be completed on Isthmus Slough the City will need a 1-year extension, bringing the completion of this loan to December 2018. Understanding that there is a great deal of information in this letter should you have questions and/or comments please don't hesitate to contact me directly.

Sincerely,



Jennifer Wirsing  
Wastewater Project Engineer

**Attachment**

**Engineer's Estimate for Design Costs for Isthmus Slough  
Spreadsheet for Proposed Budget Changes for IFA Loan 1**

**CC: Tracie Loomis (CCD)  
Jim Hossley (Public Works Director City of Coos Bay)**



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## DRAFT TECHNICAL M E M O R A N D U M

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DATE January 25, 2017  
TO City of Coos Bay  
FROM Aaron Speakman, PE, Project Manager, City Engineer & James Parmenter, PE,  
Project Engineer  
PROJECT NAME Pump Station No. 17 & Force Main Evaluation  
PROJECT NO. 187.21

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### TECHNICAL MEMORANDUM PURPOSE

This Technical Memorandum is intended to re-assess the needed improvements for Wastewater Pump Station No. PS 17 (P.S. No. 17) and the downstream sewer force main. The following tasks will be completed within this document:

- Present project background information
- Describe the existing East-Side sewer collection system configuration which flows to P.S. No. 17
- Establish an acceptable growth Rate for calculation of future wastewater flows
- Calculate projected wastewater flows
- Present improvement alternatives that facilitate conveyance of wastewater projected flows
- Develop cost estimates for improvement alternatives
- Summarize the recommended improvements

### PROJECT BACKGROUND

The City of Coos Bay Wastewater Collection System Master Plan (WWMP) developed by HBH Consulting Engineers in 2006 recommended that the existing 8-inch diameter force main from P.S. No. 17 be replaced. This force main conveys wastewater from P.S. No. 17 along 6<sup>th</sup> Avenue, under the Isthmus Slough, and connects to the gravity sewer system on the west side of Isthmus Slough on the Coos River Highway. The force main was reported as having a history of operational problems and maintenance issues.

In 2008, the City hired SHN to design the force main improvements as described in the WWMP. The design process halted in 2009. To keep the project moving forward, the City requested that the Dyer Partnership evaluate the design of the Isthmus Slough Crossing. Dyer reviewed the provided geotechnical information to verify the validity of a horizontal directional drill (HDD) design for the crossing. Dyers selected geotechnical sub consultant 9Foundation Engineering Inc.) voiced concerns regarding the feasibility of employing the HDD piping method across the slough as designed. The largest concern was frac-out, which is the loss of drilling fluid into Isthmus Slough and ultimately Coos Bay. Permitting does not typically allow frac-out, and if the frac-out is significant, the drilling equipment can be lost in the boring attempt.



Figure 6: Force main Improvement-Option 4

**COSTS ESTIMATES**

Cost estimates were developed for Phase I and Phase II of Option 4. The cost estimates are given below:

Table 8: Option 4 – Phase I – Alternative Path 2 Cost Estimate

Option 4 - Phase I - Wetland Trenching Cost Estimate					
No.	Description	Qty	Unit	Unit Cost	Total Cost
1	Construction Facilities and Temp. Controls	ALL	LS	\$144,539	\$144,539
2	Demolition and Site Prep.	ALL	LS	\$96,359	\$96,359
3	HDD Equipment Mobilization	2	LS	\$125,000	\$250,000
4	DBS System (2,030 GPM)	1	EA	\$95,000	\$95,000
5	DBS Piping Connection to Extg System	1	LS	\$15,000	\$15,000
6	12" C900 DR 18-Forcemain-Trenched	3,796	LF	\$50	\$189,800
7	Trench AC Patching	450	TON	\$140	\$62,973
8	12" C900 DR 18-Forcemain-Wetland Restoration	2,564	LF	\$80	\$205,120
9	Pipe Anchors	5	EA	\$2,000	\$10,000
10	12" HDPE Jack and Bore (20" Casing)	80	LF	\$400	\$32,000
11	18" Sanitary Sewer Pipe	80	LF	\$120	\$9,600
12	14" HDPE DR 11-Forcemain-HDD	1,400	LF	\$400	\$560,000
13	Piping Connections to and from PS 1 and PS 17	1	LS	\$15,000	\$15,000
14	Landscaping and Restoration	1	LS	\$10,000	\$10,000
Total Construction Cost					\$1,695,392
Land Acquisition					\$25,000
Environmental					\$90,000
Engineering (20%)					\$339,078
Contingency (15%)					\$254,309
Total Project Cost					\$2,403,779



**Table 9: Option 4 – Phase II Cost Estimate**

Option 4 - Phase II Cost Estimate					
No.	Description	Qty	Unit	Unit Cost	Total Cost
1	Construction Facilities and Temp. Controls	ALL	LS	\$29,450	\$29,450
2	Demolition and Site Prep.	ALL	LS	\$14,725	\$14,725
3	Roof Replacement	100	SF	\$200	\$20,000
4	Wetwell Hatch Replacement	1	EA	\$5,000	\$5,000
5	Door Replacement	1	EA	\$5,000	\$5,000
6	Louver Replacement	1	EA	\$2,000	\$2,000
7	Wetwell Piping Replacement	1	LS	\$20,000	\$20,000
9	Pump Upgrades (2,030 GPM)	1	LS	\$112,500	\$112,500
10	Electrical Service Upgrade	1	EA	\$30,000	\$30,000
11	Pump Station Controls Upgrades	1	LS	\$100,000	\$100,000
<b>Total Construction Cost</b>					<b>\$338,675</b>
<b>Engineering</b>					<b>\$67,735</b>
<b>Contingency (15%)</b>					<b>\$50,801</b>
<b>Total Project Cost</b>					<b>\$457,211</b>

**FINAL RECOMMENDATION**

Given the ramifications to the downstream components, and existing soil conditions, options 1, 2, and 3 were not seen as feasible or cost effective. Therefore, it is recommended to begin Phase I of a two phase process as described in Option 4. This will include a DBS system installed at PS 17, and the construction of a forcemain extending from PS 27 North along 6<sup>th</sup> Ave., then west along E and Fink St., then north through wetlands, and then west again across the Isthmus Slough to PS 1.

IFA LOAN 1

Activity	IFA			City				Proposed Budget Changes				Description of change
	Approved Budget	Disbursements	Remaining	Encumbered	Spent	Adjustments	Total Remaining	Current Budget Remaining	Proposed Budget Change	Proposed Budget Remaining		
Plant 1 Grit Chamber	\$ 25,000.00	\$ -	\$ 25,000.00				\$ -	\$ 25,000.00				
Plant 1 Garage/Storage Facility Design	\$ 50,000.00	\$ -	\$ 50,000.00				\$ -	\$ 50,000.00	\$ 75,000.00	\$ 75,000.00		Combine these two projects and rename "Plant 1 Facility Plan Amendment (90%)"
Plant 2 Eng. Emvr. Biosolids	\$ 1,345,813.00	\$ 1,290,255.00	\$ 55,558.00	\$ 1,302,640.00	\$ 1,290,254.04		\$ 12,385.96	\$ 55,558.00	\$ 1,290,255.00	\$ -		Move the amount remaining to I/I Projects (\$55,558)
WWTP 2 Pre Design Dyer 130191 01				\$ 12,054.00	\$ 7,735.00	\$ (4,319.00)	\$ -	\$ -				
WWTP 2 Pre Design SHN 130191 02				\$ 597,919.00	\$ 597,502.50		\$ -	\$ 416.50				
Biosolids Handling Dyer 130321 01				\$ 49,983.00	\$ 49,983.00		\$ -	\$ -				
Biosolids Handling Slabeh 130321 02				\$ 6,731.00	\$ 6,731.00		\$ -	\$ -				
Biosolids Handling CH2M 130321 03				\$ 24,800.00	\$ 24,800.00		\$ -	\$ -				
Plant 2 Value Engineering 140011				\$ 101,123.00	\$ 93,407.54	\$ (7,630.46)	\$ 7,630.46	\$ -				
WWTP2 Final Design SHN Consulting 14003102				\$ 510,000.00	\$ 510,000.00		\$ -	\$ -				
Isthmus Slough	\$ 650,000.00	\$ 21,672.00	\$ 628,328.00	\$ 22,782.00	\$ 21,671.00		\$ 1,111.00	\$ 628,328.00	\$ 600,000.00	\$ 578,328.00		Move \$50K to I/I Projects
PS17 Isthmus Pre Design				\$ 22,782.00	\$ 21,671.00		\$ 1,111.00	\$ -				
Isthmus Final Design				\$ -	\$ -		\$ -	\$ -				
Isthmus Construction				\$ -	\$ -		\$ -	\$ -				
Bundled Sewer Projects	\$ 477,855.00	\$ 200,707.00	\$ 277,148.00	\$ 202,475.79	\$ 200,706.78		\$ 1,769.01	\$ 277,148.00	\$ 477,855.00	\$ 277,148.00		No Change in money but Move Basin FF to this Bundle Project.
4.5,6 Design Kerbo 150021 01				\$ 2,892.00	\$ 2,824.00	\$ (73.00)	\$ 72.00	\$ -				
4.5,6 Design H.G.E. 150021 02				\$ 16,019.00	\$ 14,623.00		\$ 1,393.00	\$ -				
4.5,6 Construction				\$ -	\$ -		\$ -	\$ -				
Salmon Kerbo 150031 01				\$ 31,477.00	\$ 31,477.00		\$ -	\$ -				
Salmon Inletter 150031 02				\$ 121,390.49	\$ 121,390.49		\$ -	\$ -				
Kingwood Kerbo 150041 01				\$ 8,622.00	\$ 8,318.99	\$ 303.01	\$ 303.01	\$ -				
Kingwood Inletter 150041 02				\$ 22,073.30	\$ 22,073.30		\$ -	\$ -				
Pump Station 4	\$ 1,093,700.00	\$ 867,599.00	\$ 226,101.00	\$ 850,203.17	\$ 867,596.22		\$ (17,393.05)	\$ 226,101.00	\$ 867,599.00	\$ -		Move the amount remaining to I/I Projects (\$214,101) and Project Management (\$12,000)
PS4 Civil West 130241 01				\$ 86,935.00	\$ 86,935.02		\$ (0.02)	\$ -				
PS4 Hemstead 130241 02				\$ 228,036.67	\$ 228,036.67		\$ -	\$ -				
Tipping Fees (Unleaded Proxal & Dry Creek Landfill)				\$ -	\$ 17,393.03		\$ -	\$ -				
PS4 Johnson 130241 03				\$ 530,011.50	\$ 530,011.50		\$ -	\$ -				
PS4 Civil West 130241 04				\$ 5,200.00	\$ 5,200.00		\$ -	\$ -				
Pump Station 1 Flow Study & Pre-Design	\$ 20,000.00	\$ 49,102.00	\$ (29,102.00)	\$ 49,100.00	\$ 49,100.00		\$ -	\$ (29,102.00)	\$ 49,102.00	\$ -		
Birch/Front Street Storm Drain	\$ 293,615.00	\$ 16,193.00	\$ 267,422.00	\$ 37,468.00	\$ 26,190.00		\$ 11,270.00	\$ 267,422.00	\$ 309,858.00	\$ 283,665.00		Increased by \$16,243 from 11th St
Birch/Front St Design Dyer 130271 01				\$ 37,468.00	\$ 26,190.00		\$ 11,270.00	\$ -				
11th Street Design	\$ 30,000.00	\$ 13,757.00	\$ 16,243.00	\$ 13,760.00	\$ 13,756.00		\$ 4.00	\$ 16,243.00	\$ 13,757.00	\$ -		Move \$16,243 to Birch and Frant
10th & Lockhart Design/Constr.	\$ 275,000.00	\$ 243,279.00	\$ 31,721.00	\$ 243,343.37	\$ 243,278.62		\$ 64.75	\$ 31,721.00	\$ 243,279.00	\$ -		Move \$29,102 to PS 1 and \$2,619 to I/I
10th SHN 130221 01				\$ 20,710.00	\$ 30,645.25	\$ (64.75)	\$ 64.75	\$ -				
10th Hemstead 130221 02				\$ 222,633.37	\$ 222,633.37		\$ -	\$ -				
Inflow & Infiltration Projects	\$ 517,230.00	\$ 839,460.00	\$ (112,230.00)	\$ 839,275.15	\$ 839,457.49		\$ 209,717.66	\$ (112,230.00)	\$ 839,508.00	\$ 210,048.00		Increase Budget by moving the following funds to this line item: Plant 2 (\$55,558); Isthmus Slough (\$50,000); Pump Station 4 (\$214,101); 10th & Lockhart (\$2,619)
Blossom Gulch Design H.G.E. 160011				\$ 34,400.00	\$ 34,437.32		\$ 7.68	\$ -				
Blossom Gulch Construction II & E 160161 01				\$ 30,275.00	\$ 30,285.00		\$ -	\$ -				
Blossom Gulch Construction Hemstead 160161 02				\$ 411,011.25	\$ 411,011.25		\$ -	\$ -				
Filmore Interceptor Design 160051				\$ 23,450.00	\$ 23,460.00		\$ -	\$ -				
Filmore Interceptor Construction Dyer 170031 01				\$ 21,570.00	\$ 21,570.00		\$ -	\$ -				
Filmore Interceptor Construction Johnson 170031 02				\$ 89,751.70	\$ 89,751.70		\$ -	\$ -				
Basin FF Construction				\$ -	\$ -		\$ -	\$ -				
West of Plant 1 Design H.G.E. 160051				\$ 17,575.00	\$ 17,475.00		\$ 100.00	\$ -				Will be constructed with 4.5,6 Project would like to put it under bundled line item
West of Plant 1 Bid/Con H.G.E. 170151 01				\$ 7,150.00	\$ 1,472.22		\$ -	\$ -				
West of Plant 1 Construction				\$ 203,932.20	\$ -		\$ -	\$ -				
Project Management	\$ 25,000.00	\$ 22,500.00	\$ 2,500.00	\$ 25,000.00	\$ 22,500.00		\$ 2,500.00	\$ 2,500.00	\$ 37,000.00	\$ 15,500.00		Increase in Project Management Fees of \$12,000
CCD WW System Repair Collections 130171				\$ 25,000.00	\$ 22,500.00		\$ 2,500.00	\$ -				
	\$ 4,803,213.00	\$ 3,384,574.00	\$ 1,418,689.00	\$ 3,585,939.48	\$ 3,364,510.15	\$ (11,784.20)	\$ 248,137.71	\$ 1,418,689.00	\$ 4,803,213.00	\$ 1,418,689.00		

Design Pending/In Progress

Construction Pending/In Progress

All work Completed

\*All dollar figures are current as of Disbursement Request #47