

City of Abilene  
 Water Utilities Department  
 2015-2019 Capital Improvements Program Budget  
 HWL 06/01/15

Project Number/Name	Reference Only						Total
	2013-2014 Drought Projects	2015	2016	2017	2018	2019	
<b>First Stage Drought Projects</b>							
DRP-13-01	DRP - Hargeseheimer Improvements	\$ 2,350,436.19					\$ 2,350,436
DRP-13-02	DRP - Hamby WWTP Improvements	\$ 92,696,182.00					\$ 92,696,182
DRP-13-03	DRP - Kirby Piping Improvements	\$ 462,850.00					\$ 462,850
DRP-13-04	DRP - 3rd Pressure Plane Improvements	\$ 1,064,613.60					\$ 1,064,614
<b>Second Stage Drought Projects</b>							
DRP-14-01	DRP - Ivie Float Pump	\$ -					\$ -
DRP-14-02	DRP - Hargeseheimer Concentrate Reduction	\$ 3,000,000.00					\$ 3,000,000
DRP-14-03	DRP - Hargeseheimer Expansion		\$ 20,000,000				\$ 20,000,000
DRP-14-04	DRP - 3rd Pressure Plane Improvements	\$ 2,369,135.71					\$ 2,369,136
DRP-14-05	DRP - Maple Street Pump Station/Dist Improvements	\$ 929,000.00					\$ 929,000
DRP-15-01	DRP - PK Pipeline - BRA Pipeline		\$ 30,000,000				\$ 30,000,000
	DRP - PK Pipeline - WCT Pipeline		\$ 5,000,000				\$ 5,000,000
DRP-15-02	DRP - PK WTP	\$ 19,365,920.50	\$ 20,000,000				\$ 39,365,921
DRP-15-03	DRP - Engineering	\$ 10,305,300.00					\$ 10,305,300
DRP-15-04	DRP - Easement Acquisition	\$ 400,000.00					\$ 400,000
<b>Total Drought Response Projects</b>		\$ 132,943,438.00	\$ 75,000,000.00	\$ -	\$ -	\$ -	\$ 207,943,438
Certificates of Obligation		\$ 130,000,000.00	\$ 70,000,000.00				
Cash		\$ 2,943,438.00	\$ 5,000,000.00				


\$ 207,943,438


<b>Non-Drought CIP Projects</b>								
<b>Water Administration</b>								
\$ -								
<b>Water Production</b>								
8030-15-01	Kirby Dam & Levee Maintenance		\$ 4,000,000				\$ 4,000,000	
8030-15-02	Lake Ft. Phantom Hill Dam & Levee Maintenance		\$ 1,000,000				\$ 1,000,000	
8030-16-01	Ivie System Electrical Switch Station			\$ 900,000			\$ 900,000	
8030-18-01	Lake Abilene Dam & Levee Maintenance				\$ 3,000,000		\$ 3,000,000	
8030-19-01	Phantom Intake Structure Improvements					\$ 2,000,000	\$ 2,000,000	
<b>Water Treatment</b>								
8040-16-01	Monofill Sludge Disposal Site		\$ 1,250,000				\$ 1,250,000	
8040-16-02	Chemical Feed Systems - NE & Grimes WTPs		\$ 1,000,000				\$ 1,000,000	
8040-17-01	NE-WTP Clearwell 5.0 MG			\$ 1,500,000			\$ 1,500,000	
8040-17-02	SCADA System Upgrades			\$ 1,500,000	\$ 1,500,000		\$ 3,000,000	
<b>Water Distribution</b>								
8050-15-01	Elmdale Pump Station	\$ 2,000,000	\$ 1,000,000				\$ 3,000,000	
8050-16-01	Buffalo Gap Elevated Storage Tank		\$ 1,000,000				\$ 1,000,000	
8050-16-02	Grimes Ground Storage Tank		\$ 1,000,000				\$ 1,000,000	
8050-17-01	Highland Elevated Storage Tank			\$ 1,000,000			\$ 1,000,000	
8050-17-02	Dyess 16" Relocation			\$ 1,500,000			\$ 1,500,000	
8050-18-01	Buffalo Gap 20" replacement				\$ 1,500,000		\$ 1,500,000	
8050-19-01	Prison Parallel Line Install					\$ 1,000,000	\$ 1,000,000	
<b>Wastewater Collection</b>								
8060-16-01	SSOI - Slipline Upgrades		\$ 1,000,000			\$ 1,000,000	\$ 2,000,000	
8060-17-01	SSOI - Sewer Rehab			\$ 500,000	\$ 500,000		\$ 1,000,000	
<b>Wastewater Treatment</b>								
8070-15-01	Hamby Septic Waste Disposal Station	\$ 1,000,000					\$ 1,000,000	
8070-16-01	Buck Creek PS Rehab		\$ 2,000,000				\$ 2,000,000	
<b>TOTAL</b>								
		\$ -	\$ 8,000,000	\$ 9,150,000	\$ 6,000,000	\$ 6,500,000	\$ 4,000,000	\$ 33,650,000
Bond/CO Financing			\$ 5,000,000	\$ 8,150,000	\$ 6,000,000	\$ 6,500,000	\$ 4,000,000	\$ 29,650,000
Cash Financing			\$ 3,000,000	\$ 1,000,000				\$ 4,000,000
		\$ -	\$ 8,000,000	\$ 9,150,000	\$ 6,000,000	\$ 6,500,000	\$ 4,000,000	\$ 33,650,000

\$ 33,650,000

## Drought Response Projects

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<b>Project Category:</b> Water / Wastwater		<b>Location Map</b>          <b>This Space Reserved for Project Location Map (Variable Scale)</b>								 <b>Drought Response Projects</b> <b>CAPITAL BUDGET</b>				
<b>Department:</b> Water Utilities														
<b>Project Title:</b> DRP - Hargesheimer Expansion														
<b>Project Number:</b> DRP-14-03														
<b>Location:</b> Hargesheimer WTP														
<b>Project Source</b>	<b>Dept</b>											<b>Bond</b>	<b>Citizen</b>	<b>Board</b>
Check one	X													
<b>Project Status</b>	<b>New</b>											<b>Grant Connected?</b>		
<b>Infill Area ?</b>	<b>No</b>											<b>No</b>		
<b>Short Project Description</b> Install additional reverse osmosis and/or micro-filtration modules and other necessary treatment units to increase the total treatment capacity of the Hargesheimer WTP.					<b>Project Schedule</b>									
					<b>START</b>	<b>FINISH</b>								
					Property Acquisition									
					Construction									
					Professional Services									
					Furnishings & Equipment									
					Contingency & Other									
					<b>TOTAL SCHEDULE</b>									
<b>ANNUAL PROJECT COST</b>										<b>TOTAL PROJECT</b>				
<b>Project Costs</b>	<b>Prior Years</b>	<b>2013 Budget</b>	<b>2014 Request</b>	<b>2015 Request</b>	<b>2016 Request</b>	<b>2017 Request</b>	<b>2018 Request</b>	<b>Beyond 2018</b>	<b>Total</b>					
Property Acquisition									\$0					
Construction				\$16,000,000					\$16,000,000					
Professional Services				\$4,000,000					\$4,000,000					
Furnishings & Equip.									\$0					
Contingency & Other									\$0					
<b>Total</b>	\$0	\$0	\$0	\$20,000,000	\$0	\$0	\$0	\$0	\$20,000,000					
<b>ANNUAL PROJECT FUNDS</b>														
<b>Project Funding</b>	<b>Prior Years</b>	<b>2013 Budget</b>	<b>2014 Request</b>	<b>2015 Request</b>	<b>2016 Request</b>	<b>2017 Request</b>	<b>2018 Request</b>	<b>Beyond 2018</b>	<b>Total</b>					
General									\$0					
Bonds									\$0					
Cert. of Obligation				\$20,000,000					\$20,000,000					
Water									\$0					
Federal/State									\$0					
Other									\$0					
Unfunded									\$0					
<b>Total</b>	\$0	\$0	\$0	\$20,000,000	\$0	\$0	\$0	\$0	\$20,000,000					
<b>NET IMPACT ON OPERATING BUDGET</b>														
Revenue														
Expenditures														
										<b>TOTAL</b>	\$20,000,000			


<b>Project Title:</b>	DRP - Hargesheimer Expansion				<b>Water / Wastwater</b>					 CITY OF ABILENE DRP CAPITAL BUDGET
<b>Project Number:</b>	DRP-14-03									
<b>Funding Request</b>	<b>Prior Years</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total 2013-2018</b>	<b>Beyond</b>	
	\$0	\$0	\$0	\$20,000,000	\$0	\$0	\$0	\$20,000,000	\$0	

**Detailed Project Description:**  
 Install additional reverse osmosis and/or micro-filtration modules and other necessary treatment units to increase the total treatment capacity of the Hargesheimer WTP.

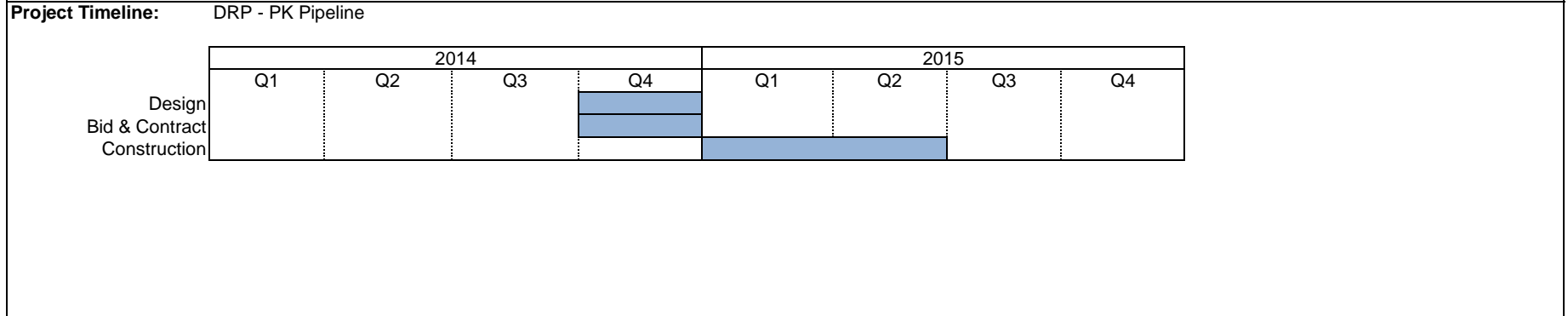
**Project Timeline:**    DRP - Hargesheimer Expansion


	2014				2015			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Design								
Bid & Contract								
Construction								-->


<b>Project Category:</b>	Water / Wastewater				<b>Location Map</b>         <b>This Space Reserved for Project Location Map (Variable Scale)</b>					 CITY OF ABILENE <b>Drought Response Projects CAPITAL BUDGET</b>	
<b>Department:</b>	Water Utilities										
<b>Project Title:</b>	DRP - PK Pipeline										
<b>Project Number:</b>	DRP-15-01										
<b>Location:</b>											
<b>Project Source</b>	<b>Dept</b>	<b>Bond</b>	<b>Citizen</b>	<b>Board</b>							
Check one	X										
<b>Project Status</b>	<b>New</b>		<b>Grant Connected?</b>								
<b>Infill Area ?</b>	<b>No</b>		<b>No</b>								
<b>Short Project Description</b> Install additional pipelines to extend an existing pipeline owned by the Brazos River Authority to allow for the deliver of water (4-8MGD total; 3-6MGD usable) from Possum Kingdom to the City of Abilene.										<b>Project Schedule</b>	
										<b>START</b>	<b>FINISH</b>
										Property Acquisition	
										Construction	
										2015	2016
										Professional Services	
										2015	2016
										Furnishings & Equipment	
										Contingency & Other	
										<b>TOTAL SCHEDULE</b>	
										2015	2016
<b>ANNUAL PROJECT COST</b>										<b>TOTAL PROJECT</b>	
<b>Project Costs</b>	<b>Prior Years</b>	<b>2013 Budget</b>	<b>2014 Request</b>	<b>2015 Request</b>	<b>2016 Request</b>	<b>2017 Request</b>	<b>2018 Request</b>	<b>Beyond 2018</b>	<b>Total</b>		
Property Acquisition									\$0	Property Acquisition	\$0
Construction				\$35,000,000					\$35,000,000	Construction	\$35,000,000
Professional Services									\$0	Professional Services	0
Furnishings & Equip.									\$0	Furnishings & Equipment	\$0
Contingency & Other									\$0	Contingency & Other	\$0
<b>Total</b>	\$0	\$0	\$0	\$35,000,000	\$0	\$0	\$0	\$0	\$35,000,000	<b>TOTAL</b>	<b>\$35,000,000</b>
<b>ANNUAL PROJECT FUNDS</b>											
<b>Project Funding</b>	<b>Prior Years</b>	<b>2013 Budget</b>	<b>2014 Request</b>	<b>2015 Request</b>	<b>2016 Request</b>	<b>2017 Request</b>	<b>2018 Request</b>	<b>Beyond 2018</b>	<b>Total</b>		
General									\$0		
Bonds									\$0		
Cert. of Obligation				\$30,000,000					\$30,000,000		
Water				\$5,000,000					\$5,000,000		
Federal/State									\$0		
Other									\$0		
Unfunded									\$0		
<b>Total</b>	\$0	\$0	\$0	\$35,000,000	\$0	\$0	\$0	\$0	\$35,000,000		
<b>NET IMPACT ON OPERATING BUDGET</b>											
Revenue											
Expenditures											

<b>Project Title:</b>	DRP - PK Pipeline				<b>Water / Wastwater</b>					 CITY OF ABILENE DRP CAPITAL BUDGET
<b>Project Number:</b>	DRP-15-01									
<b>Funding Request</b>	<b>Prior Years</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total 2013-2018</b>	<b>Beyond</b>	
	\$0	\$0	\$0	\$35,000,000	\$0	\$0	\$0	\$35,000,000	\$0	

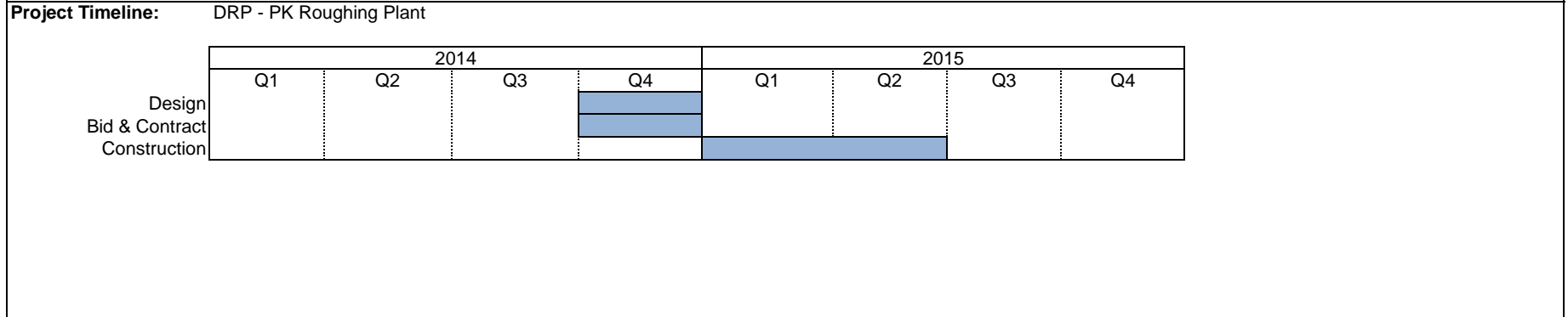
**Detailed Project Description:**  
Install additional pipelines to extend an existing pipeline owned by the Brazos River Authority to allow for the deliver of water (4-8MGD total; 3-6MGD usable) from Possum Kingdom to the City of Abilene. A portion of the pipeline will be turned over to the West Central Texas Municipal Water District for ownership and operation. This portion of the pipeline (\$5 Million) will be funded by the Water Department out of cash reserves.



<b>Project Category:</b> Water / Wastwater		<b>Location Map</b>  <b>This Space Reserved for Project Location Map (Variable Scale)</b>								 <b>Drought Response Projects CAPITAL BUDGET</b>				
<b>Department:</b> Water Utilities														
<b>Project Title:</b> DRP - PK Roughing Plant														
<b>Project Number:</b> DRP-15-02														
<b>Location:</b>														
<b>Project Source</b>	<b>Dept</b>											<b>Bond</b>	<b>Citizen</b>	<b>Board</b>
Check one	X													
<b>Project Status</b>	<b>New</b>											<b>Grant Connected?</b>		
<b>Infill Area ?</b>	<b>No</b>											<b>No</b>		
<b>Short Project Description</b> Construction of additional treatment plant facility to provide for the partial treatment of raw water out of Possum Kingdom Reservoir.														
<b>ANNUAL PROJECT COST</b>										<b>Project Schedule</b>				
<b>Project Costs</b>	<b>Prior Years</b>	<b>2013 Budget</b>	<b>2014 Request</b>	<b>2015 Request</b>	<b>2016 Request</b>	<b>2017 Request</b>	<b>2018 Request</b>	<b>Beyond 2018</b>	<b>Total</b>	<b>START</b>	<b>FINISH</b>			
Property Acquisition									\$0	Property Acquisition				
Construction				\$20,000,000					\$20,000,000	Construction				
Professional Services									\$0	Professional Services				
Furnishings & Equip.									\$0	Furnishings & Equipment				
Contingency & Other									\$0	Contingency & Other				
<b>Total</b>	\$0	\$0	\$0	\$20,000,000	\$0	\$0	\$0	\$0	\$20,000,000	<b>TOTAL SCHEDULE</b>				
<b>ANNUAL PROJECT FUNDS</b>										<b>TOTAL PROJECT</b>				
<b>Project Funding</b>	<b>Prior Years</b>	<b>2013 Budget</b>	<b>2014 Request</b>	<b>2015 Request</b>	<b>2016 Request</b>	<b>2017 Request</b>	<b>2018 Request</b>	<b>Beyond 2018</b>	<b>Total</b>					
General									\$0	Property Acquisition	\$0			
Bonds									\$0	Construction	\$20,000,000			
Cert. of Obligation				\$20,000,000					\$20,000,000	Professional Services	0			
Water									\$0	Furnishings & Equipment	\$0			
Federal/State									\$0	Contingency & Other	\$0			
Other									\$0	<b>TOTAL</b>	<b>\$20,000,000</b>			
Unfunded									\$0					
<b>Total</b>	\$0	\$0	\$0	\$20,000,000	\$0	\$0	\$0	\$0	\$20,000,000					
<b>NET IMPACT ON OPERATING BUDGET</b>														
Revenue														
Expenditures														

<b>Project Title:</b>	DRP - PK Roughing Plant				<b>Water / Wastwater</b>					 <small>CITY OF ABILENE</small> <b>DRP CAPITAL BUDGET</b>
<b>Project Number:</b>	DRP-15-02									
<b>Funding Request</b>	<b>Prior Years</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total 2013-2018</b>	<b>Beyond</b>	
	\$0	\$0	\$0	\$20,000,000	\$0	\$0	\$0	\$20,000,000	\$0	

**Detailed Project Description:**  
 Construction of additional treatment plant facility to provide for the partial treatment of raw water out of Possum Kingdom Reservoir.



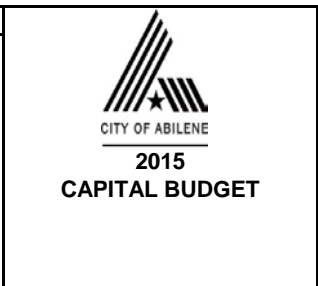


2015

<b>Project Category:</b>	Water / Wastwater			
<b>Department:</b>	Water Utilities			
<b>Project Title:</b>	Kirby Dam & Levee Maintenance			
<b>Project Number:</b>	8030-15-01			
<b>Location:</b>	Lake Kirby Dam			
<b>Project Source</b>	<b>Dept</b>	<b>Bond</b>	<b>Citizen</b>	<b>Board</b>
Check one	X			
<b>Project Status</b>	Delayed		Grant Connected?	
<b>Infill Area ?</b>	No		No	
<b>Short Project Description</b>				
Inspections by the TCEQ indicated deterioration due to erosion and vegetative growth. A subsequent study of the corrective actions required is driving this multi-year project.				

**Location Map**

This Space Reserved for Project Location Map (Variable Scale)




<b>Project Schedule</b>	
<b>START</b>	<b>FINISH</b>
Property Acquisition	
Construction	
2015	2016
Professional Services	
2010	2016
Furnishings & Equipment	
Contingency & Other	
<b>TOTAL SCHEDULE</b>	
2010	2016

<b>ANNUAL PROJECT COST</b>									
Project Costs	Prior Years	2013 Budget	2014 Request	2015 Request	2016 Request	2017 Request	2018 Request	Beyond 2018	Total
Property Acquisition									\$0
Construction				\$4,000,000					\$4,000,000
Professional Services	\$500,000								\$500,000
Furnishings & Equip.									\$0
Contingency & Other									\$0
<b>Total</b>	\$500,000	\$0	\$0	\$4,000,000	\$0	\$0	\$0	\$0	\$4,500,000

<b>ANNUAL PROJECT FUNDS</b>									
Project Funding	Prior Years	2013 Budget	2014 Request	2015 Request	2016 Request	2017 Request	2018 Request	Beyond 2018	Total
General									\$0
Bonds									\$0
Cert. of Obligation				\$4,000,000					\$4,000,000
Water	\$500,000								\$500,000
Federal/State									\$0
Other									\$0
Unfunded									\$0
<b>Total</b>	\$500,000	\$0	\$0	\$4,000,000	\$0	\$0	\$0	\$0	\$4,500,000

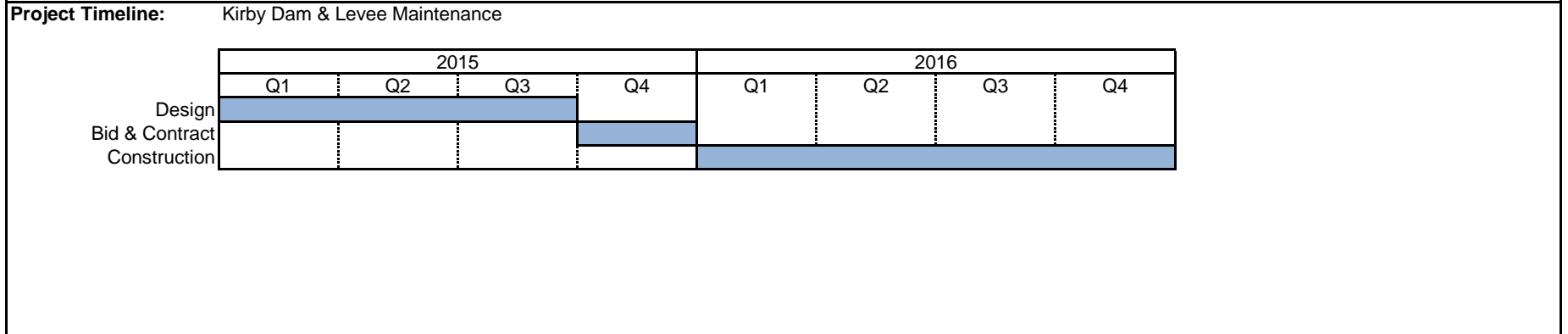
<b>NET IMPACT ON OPERATING BUDGET</b>									
Revenue									
Expenditures									
Revenue									0
Expenditures									0

<b>TOTAL PROJECT</b>	
Property Acquisition	\$0
Construction	\$4,000,000
Professional Services	500,000
Furnishings & Equipment	\$0
Contingency & Other	\$0
<b>TOTAL</b>	<b>\$4,500,000</b>

<b>Project Title:</b>	Kirby Dam & Levee Maintenance				<b>Water / Wastwater</b>					 CITY OF ABILENE 2015 CAPITAL BUDGET
<b>Project Number:</b>	8030-15-01									
<b>Funding Request</b>	<b>Prior Years</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total 2014-2018</b>	<b>Beyond 2018</b>	
	\$500,000	\$0	\$0	\$4,000,000	\$0	\$0	\$0	\$4,000,000	\$0	

**Detailed Project Description:**  
 Recent inspections by the TCEQ indicated the dams at Lake Kirby, Lake Abilene and Lake Ft. Phantom Hill have experienced some deterioration due to erosion and vegetative growth. The inspections recommended corrective action by the City to prevent more serious structural deterioration. The City has completed a full inspection and report from Freese & Nichols. Freese & Nichols is preparing a Professional Services Scope of Work and associated fee to design the necessary improvements. The Kirby Dam and Levee Repairs project would likely comprise of: increasing the height of the dam to meet current standards, the repair of erosion on the upstream slope and emergency spillway (west levee), roadway and access improvements, vegetation control, and other tasks as identified by the Project Engineer and recommended by Water Department staff.

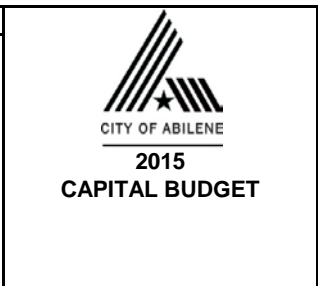
Work on the project could include: slope stabilization, erosion repair, brush removal, brush control, addition/replacement of rip rap, spillway and outlet structure improvements, seepage system relief drain repairs, and other work as identified by Freese & Nichols.



<b>Project Category:</b>	Water / Wastwater			
<b>Department:</b>	Water Utilities			
<b>Project Title:</b>	Lake Ft. Phantom Hill Dam & Levee Maint.			
<b>Project Number:</b>	8030-15-02			
<b>Location:</b>	Lake Ft. Phantom Hill			
<b>Project Source</b>	<b>Dept</b>	<b>Bond</b>	<b>Citizen</b>	<b>Board</b>
Check one	X			
<b>Project Status</b>	New		Grant Connected?	
<b>Infill Area ?</b>	No		No	
<b>Short Project Description</b>				
Inspections by the TCEQ indicated deterioration due to erosion and vegetative growth. A subsequent study of the corrective actions required is driving this multi-year project.				

**Location Map**

This Space Reserved for Project Location Map (Variable Scale)




<b>Project Schedule</b>	
<b>START</b>	<b>FINISH</b>
Property Acquisition	
Construction	
2016	2017
Professional Services	
2010	2017
Furnishings & Equipment	
Contingency & Other	
<b>TOTAL SCHEDULE</b>	
2016	2017

<b>ANNUAL PROJECT COST</b>									
Project Costs	Prior Years	2013 Budget	2014 Request	2015 Request	2016 Request	2017 Request	2018 Request	Beyond 2018	Total
Property Acquisition									\$0
Construction				\$1,000,000					\$1,000,000
Professional Services									\$0
Furnishings & Equip.									\$0
Contingency & Other									\$0
<b>Total</b>	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$0	\$1,000,000

<b>ANNUAL PROJECT FUNDS</b>									
Project Funding	Prior Years	2013 Budget	2014 Request	2015 Request	2016 Request	2017 Request	2018 Request	Beyond 2018	Total
General									\$0
Bonds									\$0
Cert. of Obligation				\$1,000,000					\$1,000,000
Water									\$0
Federal/State									\$0
Other									\$0
Unfunded									\$0
<b>Total</b>	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$0	\$1,000,000

<b>NET IMPACT ON OPERATING BUDGET</b>									
Revenue									
Expenditures									

<b>TOTAL PROJECT</b>	
Property Acquisition	\$0
Construction	\$1,000,000
Professional Services	0
Furnishings & Equipment	\$0
Contingency & Other	\$0
<b>TOTAL</b>	<b>\$1,000,000</b>

<b>Project Title:</b>	Lake Ft. Phantom Hill Dam & Levee Maint.				<b>Water / Wastwater</b>					 CITY OF ABILENE 2016 CAPITAL BUDGET
<b>Project Number:</b>	8030-15-02									
<b>Funding Request</b>	<b>Prior Years</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total 2014-2018</b>	<b>Beyond 2018</b>	
	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$1,000,000	\$0	

**Detailed Project Description:**  
 Recent inspections by the TCEQ indicated the dams at Lake Kirby, Lake Abilene and Lake Ft. Phantom Hill have experienced some deterioration due to erosion and vegetative growth. The inspections recommended corrective action by the City to prevent more serious structural deterioration. Freese & Nichols is currently designing the necessary improvements.

Work on the project could include: slope stabilization, erosion repair, brush removal, brush control, addition/replacement of rip rap, spillway and outlet structure improvements, seepage system relief drain repairs, and other work as identified by Freese & Nichols.

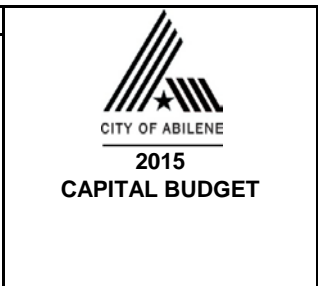
**Project Timeline:** Lake Ft. Phantom Hill Dam & Levee Maint.

	2015				2016			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Design								
Bid & Contract								
Construction								

<b>Project Category:</b>	Water / Wastwater			
<b>Department:</b>	Water Utilities			
<b>Project Title:</b>	Elmdale Pump Station Improvements			
<b>Project Number:</b>	8050-15-01			
<b>Location:</b>	Elmdale Pump Station			
<b>Project Source</b>	<b>Dept</b>	<b>Bond</b>	<b>Citizen</b>	<b>Board</b>
Check one	X			
<b>Project Status</b>	New		Grant Connected?	
<b>Infill Area ?</b>	No		No	
<b>Short Project Description</b>				
Relocation of the existing Elmdale Pump Station with new building, pumps, appurtenances, and related piping.				

**Location Map**

This Space Reserved for Project Location Map (Variable Scale)



Project Schedule	
START	FINISH
Property Acquisition	
Construction	
2016	2017

ANNUAL PROJECT COST									
Project Costs	Prior Years	2013 Budget	2014 Request	2015 Request	2016 Request	2017 Request	2018 Request	Beyond 2018	Total
Property Acquisition									\$0
Construction				\$2,000,000	\$1,000,000				\$3,000,000
Professional Services									\$0
Furnishings & Equip.									\$0
Contingency & Other									\$0
<b>Total</b>	\$0	\$0	\$0	\$2,000,000	\$1,000,000	\$0	\$0	\$0	\$3,000,000


TOTAL SCHEDULE	
2016	2017
Professional Services	
Furnishings & Equipment	
Contingency & Other	
TOTAL SCHEDULE	
2016	2017

ANNUAL PROJECT FUNDS									
Project Funding	Prior Years	2013 Budget	2014 Request	2015 Request	2016 Request	2017 Request	2018 Request	Beyond 2018	Total
General									\$0
Bonds									\$0
<b>Cert. of Obligation</b>									\$0
Water				\$2,000,000	\$1,000,000				\$3,000,000
Federal/State									\$0
Other									\$0
Unfunded									\$0
<b>Total</b>	\$0	\$0	\$0	\$2,000,000	\$1,000,000	\$0	\$0	\$0	\$3,000,000

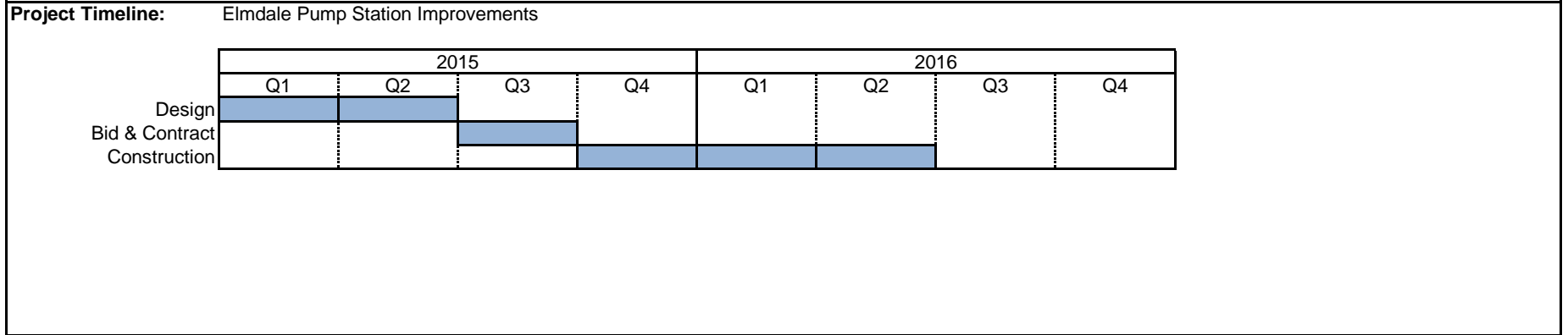
TOTAL PROJECT	
Property Acquisition	\$0
Construction	\$3,000,000
Professional Services	0
Furnishings & Equipment	\$0

NET IMPACT ON OPERATING BUDGET									
Revenue									
Expenditures									

Contingency & Other	\$0
<b>TOTAL</b>	\$3,000,000

<b>Project Title:</b>	Elmdale Pump Station Improvements				<b>Water / Wastwater</b>					 CITY OF ABILENE 2016 CAPITAL BUDGET
<b>Project Number:</b>	8050-15-01									
<b>Funding Request</b>	<b>Prior Years</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total 2014-2018</b>	<b>Beyond 2018</b>	
	\$0	\$0	\$0	\$2,000,000	\$1,000,000	\$0	\$0	\$3,000,000	\$0	

**Detailed Project Description:**  
 Relocation of the existing Elmdale Pump Station with new building, pumps, appurtenances, and related piping. The relocation is needed in order to maximize the capacity of the pump station facility to better serve the eastern part of the second pressure plane. A new facility would be strategically located considering existing supply and distribution pipelines. New pumping equipment would be installed.



<b>Project Category:</b>	Water / Wastewater			
<b>Department:</b>	Water Utilities			
<b>Project Title:</b>	Hamby Septic Waste Disposal Station			
<b>Project Number:</b>	8070-15-01			
<b>Location:</b>	Hamby Wastewater Treatment Plant			
<b>Project Source</b>	<b>Dept</b>	<b>Bond</b>	<b>Citizen</b>	<b>Board</b>
Check one	X			
<b>Project Status</b>	New		Grant Connected?	
<b>Infill Area ?</b>	No		No	
<b>Short Project Description</b>				
Design and Construction of a new Disposal Station for local and regional Septic Waste haulers to dispose of septic tank and portable restroom wastes.				

**Location Map**

This Space Reserved for Project Location Map (Variable Scale)



Project Schedule	
START	FINISH
Property Acquisition	
Construction	
2015	2016

ANNUAL PROJECT COST									
Project Costs	Prior Years	2013 Budget	2014 Request	2015 Request	2016 Request	2017 Request	2018 Request	Beyond 2018	Total
Property Acquisition									\$0
Construction				\$1,000,000					\$1,000,000
Professional Services									\$0
Furnishings & Equip.									\$0
Contingency & Other									\$0
<b>Total</b>	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$0	\$1,000,000

TOTAL SCHEDULE	
2015	2016
Professional Services	
Furnishings & Equipment	
Contingency & Other	
<b>TOTAL SCHEDULE</b>	
2015	2016


ANNUAL PROJECT FUNDS									
Project Funding	Prior Years	2013 Budget	2014 Request	2015 Request	2016 Request	2017 Request	2018 Request	Beyond 2018	Total
General									\$0
Bonds									\$0
Cert. of Obligation									\$0
Water				\$1,000,000					\$1,000,000
Federal/State									\$0
Other									\$0
Unfunded									\$0
<b>Total</b>	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$0	\$1,000,000

TOTAL PROJECT	
Property Acquisition	\$0
Construction	\$1,000,000
Professional Services	0
Furnishings & Equipment	\$0

NET IMPACT ON OPERATING BUDGET									
Revenue									
Expenditures									

Contingency & Other	\$0
<b>TOTAL</b>	\$1,000,000

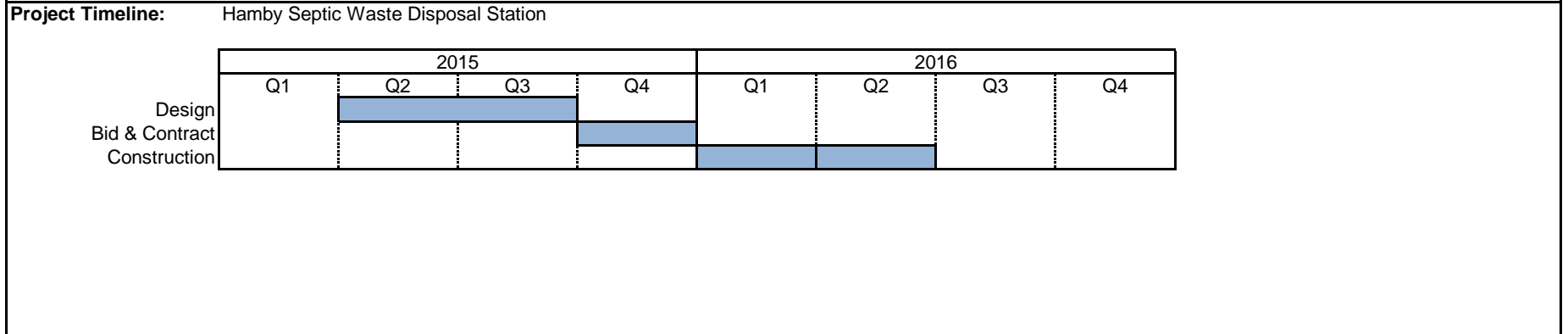


<b>Project Title:</b>	Hamby Septic Waste Disposal Station				<b>Water / Wastewater</b>					 CITY OF ABILENE 2016 CAPITAL BUDGET
<b>Project Number:</b>	8070-15-01									
<b>Funding Request</b>	<b>Prior Years</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total 2014-2018</b>	<b>Beyond 2018</b>	
	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$1,000,000	\$0	


**Detailed Project Description:**  
 The City of Abilene doesn't currently accept waste from local or regional septic tank waste disposal businesses. With the construction of the new Hamby Wastewater Treatment Plant, the City has been approached about constructing additional facilities to allow us to start a new Septic Tank Waste Disposal program. The proposed new program is dependant upon authorization from the Abilene City Council.


Construction will allow the City to receive and treat these waste streams that have not previously been received.

The City is still developing the commercial rates to be charged for this service. The City does not want the sewer system customers to subsidize this program since additional facilities will be required to allow for the treatment of these wastes.



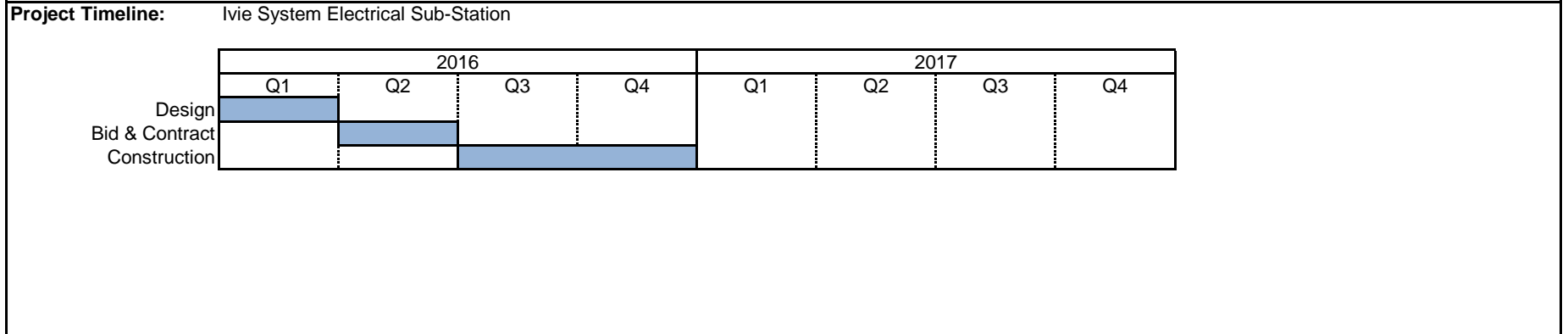
**2016**


<b>Project Category:</b>		<b>Water / Wastwater</b>				<b>Location Map</b>          <b>This Space Reserved for Project Location Map (Variable Scale)</b>					 <b>CITY OF ABILENE</b> <b>2016</b> <b>CAPITAL BUDGET</b>		
<b>Department:</b>		<b>Water Utilities</b>											
<b>Project Title:</b>		Ivie System Electrical Sub-Station											
<b>Project Number:</b>		8030-16-01											
<b>Location:</b>		Lake OH Ivie Intake and Booster Stations											
<b>Project Source</b>		<b>Dept</b>	<b>Bond</b>	<b>Citizen</b>	<b>Board</b>								
Check one		X											
<b>Project Status</b>		<b>Delayed</b>		<b>Grant Connected?</b>									
<b>Infill Area ?</b>		<b>No</b>		<b>No</b>									
<b>Short Project Description</b>													<b>Project Schedule</b>
The Water Department is increasing the production capacity of the Hargesheimer Water Treatment Plant. This expansion will increase the load on the existing electrical substations, and these improvements will ensure it is able to handle the increased electrical load.						<b>START</b>		<b>FINISH</b>					
						Property Acquisition							
						Construction							
						2015		2016					
						Professional Services							
						Furnishings & Equipment							
						Contingency & Other							
						<b>TOTAL SCHEDULE</b>							
						2015		2016					
<b>ANNUAL PROJECT COST</b>										<b>TOTAL PROJECT</b>			
<b>Project Costs</b>	<b>Prior Years</b>	<b>2013 Budget</b>	<b>2014 Request</b>	<b>2015 Request</b>	<b>2016 Request</b>	<b>2017 Request</b>	<b>2018 Request</b>	<b>Beyond 2018</b>	<b>Total</b>				
Property Acquisition									\$0			Property Acquisition	\$0
Construction					\$900,000				\$900,000			Construction	\$900,000
Professional Services									\$0			Professional Services	0
Furnishings & Equip.									\$0			Furnishings & Equipment	\$0
Contingency & Other									\$0			Contingency & Other	\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$900,000	\$0	\$0	\$0	\$900,000			<b>TOTAL</b>	\$900,000
<b>ANNUAL PROJECT FUNDS</b>													
<b>Project Funding</b>	<b>Prior Years</b>	<b>2013 Budget</b>	<b>2014 Request</b>	<b>2015 Request</b>	<b>2016 Request</b>	<b>2017 Request</b>	<b>2018 Request</b>	<b>Beyond 2018</b>	<b>Total</b>				
General									\$0				
Bonds									\$0				
<b>Cert. of Obligation</b>					\$900,000				\$900,000				
Water									\$0				
Federal/State									\$0				
Other									\$0				
Unfunded									\$0				
<b>Total</b>	\$0	\$0	\$0	\$0	\$900,000	\$0	\$0	\$0	\$900,000				
<b>NET IMPACT ON OPERATING BUDGET</b>													
Revenue									0				
Expenditures									0				


<b>Project Title:</b>	Ivie System Electrical Sub-Station				<b>Water / Wastwater</b>					 CITY OF ABILENE 2016 CAPITAL BUDGET
<b>Project Number:</b>	8030-16-01									
<b>Funding Request</b>	<b>Prior Years</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total 2014-2018</b>	<b>Beyond 2018</b>	
	\$0	\$0	\$0	\$0	\$900,000	\$0	\$0	\$900,000	\$0	

**Detailed Project Description:**  
 The Water Department is increasing the production capacity of the Hargesheimer Water Treatment Plant. This expansion will increase the load on the existing electrical substations, and these improvements will ensure it is able to handle the increased electrical load.

The project will address reliability and safety issues at these sub-stations.




<b>Project Category:</b> Water / Wastwater		<b>Location Map</b>  This Space Reserved for Project Location Map (Variable Scale)								 CITY OF ABILENE 2016 CAPITAL BUDGET									
<b>Department:</b> Water Utilities																			
<b>Project Title:</b> Monofill Sludge Disposal Site																			
<b>Project Number:</b> 8040-16-01																			
<b>Location:</b> NE WTP																			
<b>Project Source</b>																			
Check one	Dept									Bond	Citizen	Board							
	X																		
<b>Project Status</b>										<b>Delayed</b>		<b>Grant Connected?</b>							
<b>Infill Area ?</b>										<b>No</b>		<b>No</b>							
<b>Short Project Description</b>		<b>ANNUAL PROJECT COST</b>								<b>Project Schedule</b>									
The City's Water Treatment Plants produce large volumes of sludge as a treatment by-product. This project will open a new monofill sludge disposal location to receive the water treatment sludge.																			
										<b>START</b>		<b>FINISH</b>							
														Property Acquisition					
										Construction									
												2015		2016					
										Professional Services									
												Furnishings & Equipment							
										Contingency & Other									
												<b>TOTAL SCHEDULE</b>							
		2015		2016															
		<b>ANNUAL PROJECT FUNDS</b>								<b>TOTAL PROJECT</b>									
												Property Acquisition		\$0					
										Construction						\$750,000			
												Professional Services		0					
										Furnishings & Equipment						\$500,000			
												Contingency & Other		\$0					
										<b>TOTAL</b>						\$1,250,000			
												2015		2016					
										<b>NET IMPACT ON OPERATING BUDGET</b>								<b>TOTAL</b>	
		Expenditures		0															
						<b>TOTAL</b>		\$1,250,000											
		Revenue		0															
						Expenditures		0											
		<b>TOTAL</b>		\$1,250,000															
						Revenue		0											
		Expenditures		0															
						<b>TOTAL</b>		\$1,250,000											
		Revenue		0															
						Expenditures		0											
		<b>TOTAL</b>		\$1,250,000															


<b>Project Title:</b>	Monofill Sludge Disposal Site				<b>Water / Wastewater</b>					 CITY OF ABILENE 2016 CAPITAL BUDGET
<b>Project Number:</b>	8040-16-01									
<b>Funding Request</b>	<b>Prior Years</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total 2014-2018</b>	<b>Beyond 2018</b>	
	\$0	\$0	\$0	\$0	\$1,250,000	\$0	\$0	\$1,250,000	\$0	

**Detailed Project Description:**  
 The City's Water Treatment Plants produce large volumes of sludge as a treatment by-product. This project will open a new monofill sludge disposal location to receive the water treatment sludge.

**Project Timeline:** Monofill Sludge Disposal Site

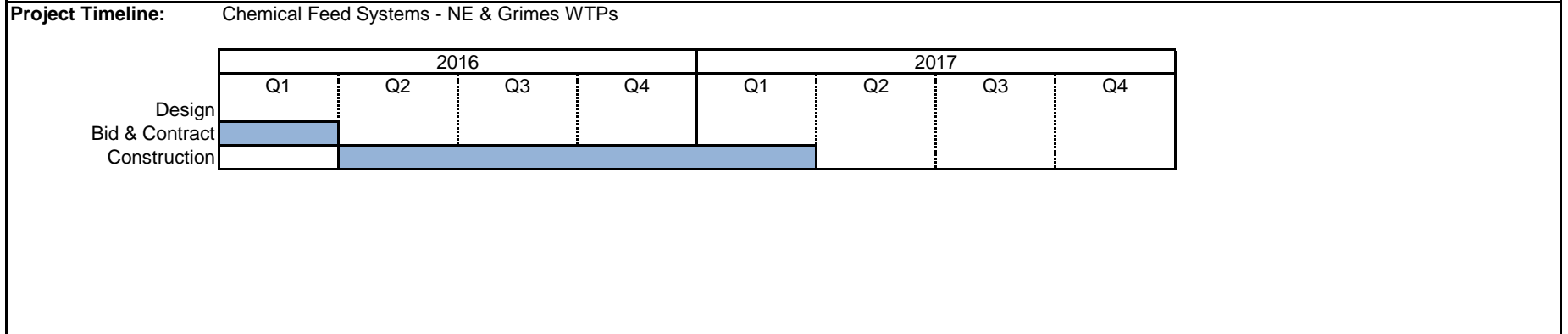
	2016				2017			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Design								
Bid & Contract								
Construction								

<b>Project Category:</b> Water / Wastwater		<b>Location Map</b>          <b>This Space Reserved for Project Location Map (Variable Scale)</b>								 CITY OF ABILENE <b>2016</b> <b>CAPITAL BUDGET</b>	
<b>Department:</b> Water Utilities											
<b>Project Title:</b> Chemical Feed Systems - NE & Grimes WTPs											
<b>Project Number:</b> 8040-16-02											
<b>Location:</b> NE WTP											
<b>Project Source</b>											
<b>Dept</b>	<b>Bond</b>									<b>Citizen</b>	<b>Board</b>
Check one	X										
<b>Project Status</b>		<b>Delayed</b>		<b>Grant Connected?</b>							
<b>Infill Area ?</b>		<b>No</b>		<b>No</b>							
<b>Short Project Description</b>											
This project will allow for the addition of Sodium Permanganate as one of the water treatment chemicals as both the Northeast and the Grimes Water Treatment Plants.											
<b>ANNUAL PROJECT COST</b>										<b>Project Schedule</b>	
										<b>START</b>	<b>FINISH</b>
										Property Acquisition	
										Construction	
										2015	2016
										Professional Services	
										2015	2016
										Furnishings & Equipment	
										Contingency & Other	
										<b>TOTAL SCHEDULE</b>	
										2015	2016
<b>ANNUAL PROJECT FUNDS</b>										<b>TOTAL PROJECT</b>	
										Property Acquisition	\$0
										Construction	\$1,000,000
										Professional Services	0
										Furnishings & Equipment	\$0
										Contingency & Other	\$0
										<b>TOTAL</b>	<b>\$1,000,000</b>
<b>NET IMPACT ON OPERATING BUDGET</b>											
<b>Revenue</b>										0	
<b>Expenditures</b>										0	


<b>Project Title:</b>	Chemical Feed Systems - NE & Grimes WTPs				<b>Water / Wastwater</b>					 CITY OF ABILENE 2016 CAPITAL BUDGET
<b>Project Number:</b>	8040-16-02									
<b>Funding Request</b>	<b>Prior Years</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total 2014-2018</b>	<b>Beyond 2018</b>	
	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$1,000,000	\$0	


**Detailed Project Description:**  
 This project will allow for the addition of Sodium Permanganate as one of the water treatment chemicals as both the Northeast Water Treatment Plant and the Grimes Water Treatment Plant.

As the drought conditions continue and lake levels fall, the raw water coming into the treatment plants has higher concentrations of manganese. This element occurs in nature and is naturally found in our water supplies. As it becomes more concentrated in the water supply, it can result in discoloration of the drinking water throughout the water distribution system. Adding Sodium Permanganate to the water treatment process allows the Department to better treat and control the levels of manganese, and thus improve our response to the discoloration of the drinking water in the system.






<b>Project Category:</b> Water / Wastwater		<b>Location Map</b>  This Space Reserved for Project Location Map (Variable Scale)								 CITY OF ABILENE 2016 CAPITAL BUDGET				
<b>Department:</b> Water Utilities														
<b>Project Title:</b> Buffalo Gap Elevated Storage Tank														
<b>Project Number:</b> 8050-16-01														
<b>Location:</b> Buffalo Gap Elevated Storage Tank														
<b>Project Source</b>	<b>Dept</b>											<b>Bond</b>	<b>Citizen</b>	<b>Board</b>
Check one	X													
<b>Project Status</b>	<b>Delayed</b>											<b>Grant Connected?</b>		
<b>Infill Area ?</b>	<b>No</b>											<b>No</b>		
<b>Short Project Description</b> Annual tank inspections have identified maintenance issues needed to protect the structural integrity of the storage facilities, extend their useful life, and ensure water quality.														
<b>ANNUAL PROJECT COST</b>										<b>Project Schedule</b>				
<b>Project Costs</b>	<b>Prior Years</b>	<b>2013 Budget</b>	<b>2014 Request</b>	<b>2015 Request</b>	<b>2016 Request</b>	<b>2017 Request</b>	<b>2018 Request</b>	<b>Beyond 2018</b>	<b>Total</b>	<b>START</b>	<b>FINISH</b>			
Property Acquisition									\$0					
Construction					\$1,000,000				\$1,000,000					
Professional Services									\$0					
Furnishings & Equip.									\$0					
Contingency & Other									\$0					
<b>Total</b>	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$1,000,000					
<b>ANNUAL PROJECT FUNDS</b>										<b>TOTAL SCHEDULE</b>				
<b>Project Funding</b>	<b>Prior Years</b>	<b>2013 Budget</b>	<b>2014 Request</b>	<b>2015 Request</b>	<b>2016 Request</b>	<b>2017 Request</b>	<b>2018 Request</b>	<b>Beyond 2018</b>	<b>Total</b>	<b>2016</b>	<b>2016</b>			
General									\$0					
Bonds									\$0					
<b>Cert. of Obligation</b>					\$1,000,000				\$1,000,000					
Water									\$0					
Federal/State									\$0					
Other									\$0					
Unfunded									\$0					
<b>Total</b>	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$1,000,000					
<b>NET IMPACT ON OPERATING BUDGET</b>										<b>TOTAL PROJECT</b>				
Revenue									0					
Expenditures									0					
										<b>Property Acquisition</b>	\$0			
										<b>Construction</b>	\$1,000,000			
										<b>Professional Services</b>	0			
										<b>Furnishings &amp; Equipment</b>	\$0			
										<b>Contingency &amp; Other</b>	\$0			
										<b>TOTAL</b>	\$1,000,000			


<b>Project Title:</b>	Buffalo Gap Elevated Storage Tank				<b>Water / Wastwater</b>					 CITY OF ABILENE 2016 CAPITAL BUDGET
<b>Project Number:</b>	8050-16-01									
<b>Funding Request</b>	<b>Prior Years</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total 2014-2018</b>	<b>Beyond 2018</b>	
	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$1,000,000	\$0	

**Detailed Project Description:**  
 Annual tank inspections have identified maintenance issues needed to protect the structural integrity of the storage facilities, extend their useful life, and ensure water quality.  
 Work will include: structural repairs, abrasive blasting, application of corrosion resistant coating on interiors, and application of paint on exteriors.

**Project Timeline:** Buffalo Gap Elevated Storage Tank

	2016				2017			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Design								
Bid & Contract								
Construction								

<b>Project Category:</b> Water / Wastwater		<b>Location Map</b>  This Space Reserved for Project Location Map (Variable Scale)								 CITY OF ABILENE <b>2016</b> <b>CAPITAL BUDGET</b>				
<b>Department:</b> Water Utilities														
<b>Project Title:</b> Grimes Ground Storage Tank														
<b>Project Number:</b> 8050-16-02														
<b>Location:</b> NE WTP														
<b>Project Source</b>	<b>Dept</b>											<b>Bond</b>	<b>Citizen</b>	<b>Board</b>
Check one	X													
<b>Project Status</b>	<b>Delayed</b>											<b>Grant Connected?</b>		
<b>Infill Area ?</b>	<b>No</b>											<b>No</b>		
<b>Short Project Description</b> Annual tank inspections have identified maintenance issues needed to protect the structural integrity of the storage facilities, extend their useful life, and ensure water quality.														
<b>ANNUAL PROJECT COST</b>										<b>Project Schedule</b>				
<b>Project Costs</b>	<b>Prior Years</b>	<b>2013 Budget</b>	<b>2014 Request</b>	<b>2015 Request</b>	<b>2016 Request</b>	<b>2017 Request</b>	<b>2018 Request</b>	<b>Beyond 2018</b>	<b>Total</b>	<b>START</b>	<b>FINISH</b>			
Property Acquisition									\$0	Property Acquisition				
Construction					\$1,000,000				\$1,000,000	Construction				
Professional Services									\$0	2016 2016				
Furnishings & Equip.									\$0	Professional Services				
Contingency & Other									\$0	2016 2016				
<b>Total</b>	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$1,000,000	<b>TOTAL SCHEDULE</b>				
<b>ANNUAL PROJECT FUNDS</b>										<b>TOTAL PROJECT</b>				
<b>Project Funding</b>	<b>Prior Years</b>	<b>2013 Budget</b>	<b>2014 Request</b>	<b>2015 Request</b>	<b>2016 Request</b>	<b>2017 Request</b>	<b>2018 Request</b>	<b>Beyond 2018</b>	<b>Total</b>					
General									\$0	Property Acquisition	\$0			
Bonds									\$0	Construction	\$1,000,000			
<b>Cert. of Obligation</b>					\$1,000,000				\$1,000,000	Professional Services	0			
Water									\$0	Furnishings & Equipment	\$0			
Federal/State									\$0	Contingency & Other	\$0			
Other									\$0	<b>TOTAL</b>	<b>\$1,000,000</b>			
Unfunded									\$0					
<b>Total</b>	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$1,000,000					
<b>NET IMPACT ON OPERATING BUDGET</b>														
Revenue									0					
Expenditures									0					

<b>Project Title:</b>	Grimes Ground Storage Tank				<b>Water / Wastewater</b>					 CITY OF ABILENE 2016 CAPITAL BUDGET
<b>Project Number:</b>	8050-16-02									
<b>Funding Request</b>	<b>Prior Years</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total 2014-2018</b>	<b>Beyond 2018</b>	
	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$1,000,000	\$0	

**Detailed Project Description:**  
 Annual tank inspections have identified maintenance issues needed to protect the structural integrity of the storage facilities, extend their useful life, and ensure water quality.  
 Work will include: structural repairs, abrasive blasting, application of corrosion resistant coating on interiors, and application of paint on exteriors.

**Project Timeline:** Grimes Ground Storage Tank

	2016				2017			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Design								
Bid & Contract								
Construction								

<b>Project Category:</b>	Water / Wastwater			
<b>Department:</b>	Water Utilities			
<b>Project Title:</b>	SSOI - Slipline Upgrades			
<b>Project Number:</b>	8060-16-01			
<b>Location:</b>	various locations			
<b>Project Source</b>	<b>Dept</b>	<b>Bond</b>	<b>Citizen</b>	<b>Board</b>
Check one	X			
<b>Project Status</b>	New		Grant Connected?	
<b>Infill Area ?</b>	No		No	
<b>Short Project Description</b>				
The City has entered into a Sanitary Sewer Overflow Initiative (SSOI) agreement with the TCEQ to reduce the occurrence of SSOs. This project is in support of the requirements of the SSOI agreement.				

**Location Map**

This Space Reserved for Project Location Map (Variable Scale)




<b>Project Schedule</b>	
<b>START</b>	<b>FINISH</b>
Property Acquisition	
Construction	
2016	2016
Professional Services	
Furnishings & Equipment	
Contingency & Other	
<b>TOTAL SCHEDULE</b>	
2016	2016

<b>ANNUAL PROJECT COST</b>									
Project Costs	Prior Years	2013 Budget	2014 Request	2015 Request	2016 Request	2017 Request	2018 Request	Beyond 2018	Total
Property Acquisition									\$0
Construction					\$800,000				\$800,000
Professional Services					\$200,000				\$200,000
Furnishings & Equip.									\$0
Contingency & Other									\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$1,000,000

<b>ANNUAL PROJECT FUNDS</b>									
Project Funding	Prior Years	2013 Budget	2014 Request	2015 Request	2016 Request	2017 Request	2018 Request	Beyond 2018	Total
General									\$0
Bonds									\$0
Cert. of Obligation					\$1,000,000				\$1,000,000
Water									\$0
Federal/State									\$0
Other									\$0
Unfunded									\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$0	\$1,000,000

<b>NET IMPACT ON OPERATING BUDGET</b>									
Revenue									
Expenditures									

<b>TOTAL PROJECT</b>	
Property Acquisition	\$0
Construction	\$800,000
Professional Services	200,000
Furnishings & Equipment	\$0
Contingency & Other	\$0
<b>TOTAL</b>	<b>\$1,000,000</b>


<b>Project Title:</b>	SSOI - Slipline Upgrades				<b>Water / Wastewater</b>					 CITY OF ABILENE 2016 CAPITAL BUDGET
<b>Project Number:</b>	8060-16-01									
<b>Funding Request</b>	<b>Prior Years</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total 2014-2018</b>	<b>Beyond 2018</b>	
	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$1,000,000	\$0	


**Detailed Project Description:**  
 The City has over 600 miles of wastewater collection mains in operation. The Wastewater Collection System Master Plan has identified numerous sections of piping that are in need of repair, upgrading, or upsizing. Some of this work is done in the annual operating budget, but some projects are outside its scope. This multi-year program allows for these larger projects.

Insertion lining allows for a means of renovation that minimizes open trench cuts due to limited access from proximity to buildings, roadways, or other structures.

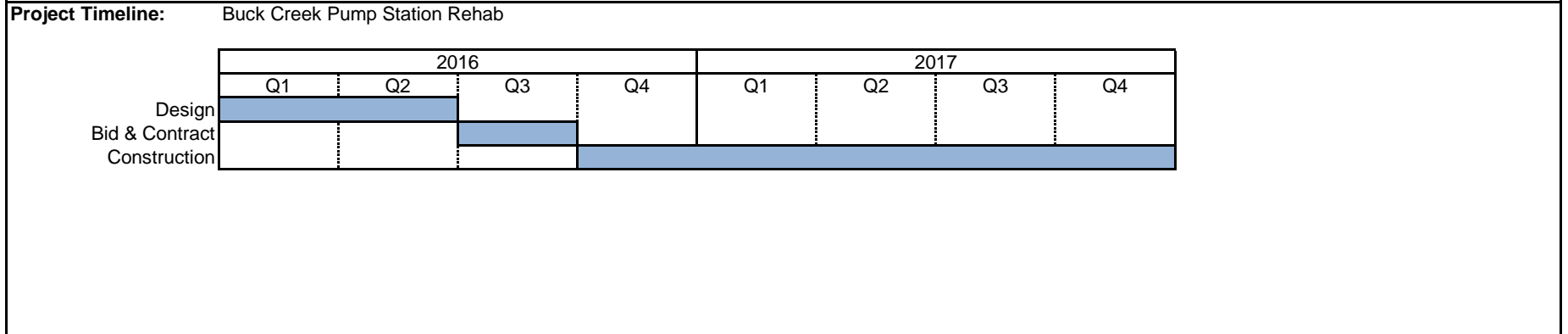
**Project Timeline:** SSOI - Slipline Upgrades

	2016				2017			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Design								
Bid & Contract								
Construction								

<b>Project Category:</b> Water / Wastwater		<b>Location Map</b>  This Space Reserved for Project Location Map (Variable Scale)								 CITY OF ABILENE <b>2016</b> <b>CAPITAL BUDGET</b>				
<b>Department:</b> Water Utilities														
<b>Project Title:</b> Buck Creek Pump Station Rehab														
<b>Project Number:</b> 8070-16-01														
<b>Location:</b> Buck Creek Pump Station														
<b>Project Source</b>	<b>Dept</b>											<b>Bond</b>	<b>Citizen</b>	<b>Board</b>
Check one	X													
<b>Project Status</b>	<b>New</b>											<b>Grant Connected?</b>		
<b>Infill Area ?</b>	<b>No</b>											<b>No</b>		
<b>Short Project Description</b> Improvements to the Screw Pump Lift Station of the Buck Creek Pump Station to increase pumping capacity.														
<b>ANNUAL PROJECT COST</b>										<b>Project Schedule</b>				
<b>Project Costs</b>	<b>Prior Years</b>	<b>2013 Budget</b>	<b>2014 Request</b>	<b>2015 Request</b>	<b>2016 Request</b>	<b>2017 Request</b>	<b>2018 Request</b>	<b>Beyond 2018</b>	<b>Total</b>	<b>START</b>	<b>FINISH</b>			
Property Acquisition									\$0					
Construction					\$1,600,000				\$1,600,000					
Professional Services					\$400,000				\$400,000					
Furnishings & Equip.									\$0					
Contingency & Other									\$0					
<b>Total</b>	\$0	\$0	\$0	\$0	\$2,000,000	\$0	\$0	\$0	\$2,000,000					
<b>ANNUAL PROJECT FUNDS</b>										<b>TOTAL SCHEDULE</b>				
<b>Project Funding</b>	<b>Prior Years</b>	<b>2013 Budget</b>	<b>2014 Request</b>	<b>2015 Request</b>	<b>2016 Request</b>	<b>2017 Request</b>	<b>2018 Request</b>	<b>Beyond 2018</b>	<b>Total</b>	<b>2016</b>	<b>2017</b>			
General									\$0					
Bonds									\$0					
Cert. of Obligation					\$2,000,000				\$2,000,000					
Water									\$0					
Federal/State									\$0					
Other									\$0					
Unfunded									\$0					
<b>Total</b>	\$0	\$0	\$0	\$0	\$2,000,000	\$0	\$0	\$0	\$2,000,000					
<b>NET IMPACT ON OPERATING BUDGET</b>										<b>TOTAL PROJECT</b>				
Revenue														
Expenditures														
										Property Acquisition	\$0			
										Construction	\$1,600,000			
										Professional Services	400,000			
										Furnishings & Equipment	\$0			
										Contingency & Other	\$0			
										<b>TOTAL</b>	<b>\$2,000,000</b>			


<b>Project Title:</b>	Buck Creek Pump Station Rehab				<b>Water / Wastwater</b>					 CITY OF ABILENE 2016 CAPITAL BUDGET
<b>Project Number:</b>	8070-16-01									
<b>Funding Request</b>	<b>Prior Years</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total 2014-2018</b>	<b>Beyond 2018</b>	
	\$0	\$0	\$0	\$0	\$2,000,000	\$0	\$0	\$2,000,000	\$0	


**Detailed Project Description:**  
 The Buck Creek Pump Station has a Screw Pump Lift Station that lifts sewage from the deep 48inch Interceptor into the Buck Creek Pump Station facilities. The project is to select pumps, design necessary improvements, and then renovate the lift station in order to install the new pump(s) to add capacity to the Screw Pump Lift Station. Under current operations the normal daily peak flows and also stormwater inflows during rain events are stored in the 48inch Interceptor and then withdrawn during periods of low sewer flows. The Project will relieve the storage of sewage in the piping, improve flow characteristics in the 48inch Interceptor, and better utilize the storage capacity within the two existing concrete basins at the Buck Creek Facility.



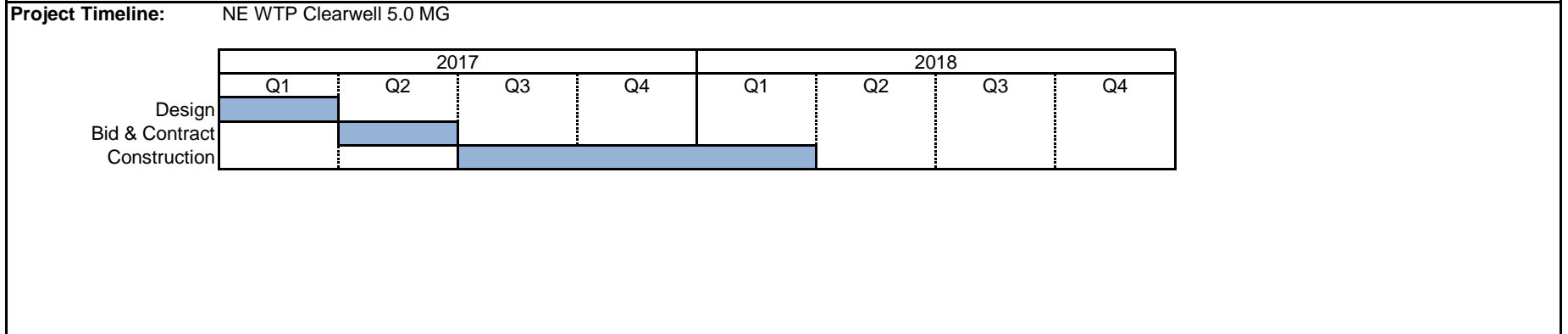



**2017**


<b>Project Category:</b> Water / Wastwater		<b>Location Map</b>  This Space Reserved for Project Location Map (Variable Scale)								 CITY OF ABILENE 2017 CAPITAL BUDGET					
<b>Department:</b> Water Utilities															
<b>Project Title:</b> NE WTP Clearwell 5.0 MG															
<b>Project Number:</b> 8040-17-01															
<b>Location:</b> NE WTP															
<b>Project Source</b>	<b>Dept</b>											<b>Bond</b>	<b>Citizen</b>	<b>Board</b>	
Check one	X														
<b>Project Status</b>	<b>Delayed</b>											<b>Grant Connected?</b>			
<b>Infill Area ?</b>	<b>No</b>											<b>No</b>			
<b>Short Project Description</b> Renovate the original 5.0 MG clearwell at the Northeast WTP to address issues with the aging facility.															
<b>ANNUAL PROJECT COST</b>										<b>Project Schedule</b>					
<b>Project Costs</b>	<b>Prior Years</b>	<b>2013 Budget</b>	<b>2014 Request</b>	<b>2015 Request</b>	<b>2016 Request</b>	<b>2017 Request</b>	<b>2018 Request</b>	<b>Beyond 2018</b>	<b>Total</b>	<b>START</b>	<b>FINISH</b>				
Property Acquisition									\$0						
Construction						\$1,200,000			\$1,200,000						
Professional Services						\$300,000			\$300,000						
Furnishings & Equip.									\$0						
Contingency & Other									\$0						
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$1,500,000	\$0	\$0	\$1,500,000						
<b>ANNUAL PROJECT FUNDS</b>										<b>2015</b>		<b>2016</b>			
<b>Project Funding</b>	<b>Prior Years</b>	<b>2013 Budget</b>	<b>2014 Request</b>	<b>2015 Request</b>	<b>2016 Request</b>	<b>2017 Request</b>	<b>2018 Request</b>	<b>Beyond 2018</b>	<b>Total</b>	<b>Professional Services</b>		<b>2015</b>		<b>2016</b>	
General									\$0	<b>Furnishings &amp; Equipment</b>		<b>2015</b>		<b>2016</b>	
Bonds									\$0	<b>Contingency &amp; Other</b>		<b>2015</b>		<b>2016</b>	
Cert. of Obligation						\$1,500,000			\$1,500,000	<b>TOTAL SCHEDULE</b>		<b>2015</b>		<b>2016</b>	
Water									\$0	<b>2015</b>		<b>2016</b>			
Federal/State									\$0	<b>TOTAL PROJECT</b>		<b>2015</b>		<b>2016</b>	
Other									\$0	Property Acquisition		\$0			
Unfunded									\$0	Construction		\$1,200,000			
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$1,500,000	\$0	\$0	\$1,500,000	Professional Services		300,000			
<b>NET IMPACT ON OPERATING BUDGET</b>										Furnishings & Equipment		\$0			
Revenue									0	Contingency & Other		\$0			
Expenditures									0	<b>TOTAL</b>		\$1,500,000			

<b>Project Title:</b>	NE WTP Clearwell 5.0 MG				<b>Water / Wastwater</b>					 CITY OF ABILENE 2015 CAPITAL BUDGET
<b>Project Number:</b>	8040-17-01									
<b>Funding Request</b>	<b>Prior Years</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total 2014-2018</b>	<b>Beyond 2018</b>	
	\$0	\$0	\$0	\$0	\$0	\$1,500,000	\$0	\$1,500,000	\$0	

**Detailed Project Description:**  
 Renovate the original 5.0 MG clearwell at the Northeast WTP to address issues with the aging facility. Work involves repairing concrete blemishes, caulking seams and sealing crack typical of aged concrete structures. The project might also include installing a new domed roof on the clearwell to bring the clearwell into compliance with current TCEQ design standards.

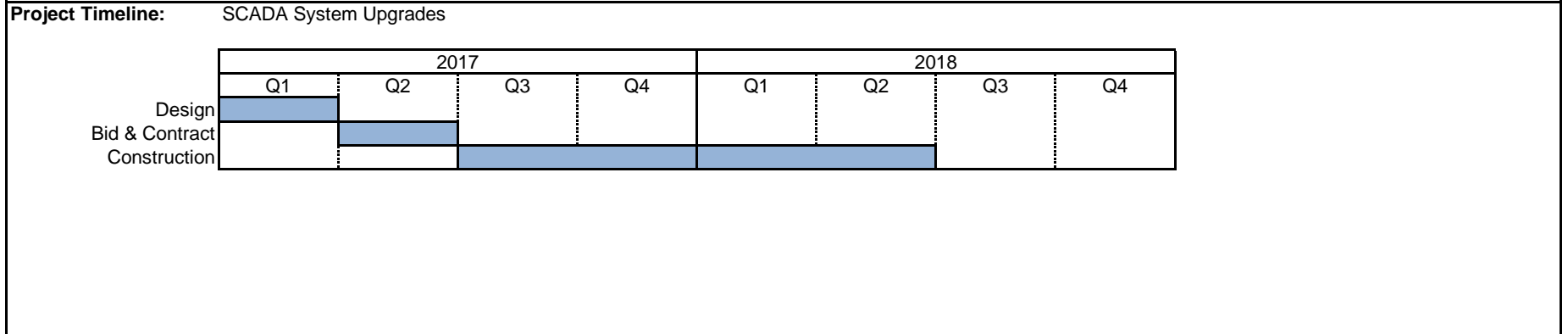



<b>Project Category:</b>		<b>Water / Wastwater</b>				<b>Location Map</b>  This Space Reserved for Project Location Map (Variable Scale)					 CITY OF ABILENE 2017 CAPITAL BUDGET																		
<b>Department:</b>		<b>Water Utilities</b>																											
<b>Project Title:</b>		SCADA System Upgrades																											
<b>Project Number:</b>		8040-17-02																											
<b>Location:</b>		Grimes, NE & Hargesheimer WTPs																											
<b>Project Source</b>		<b>Dept</b>	<b>Bond</b>	<b>Citizen</b>	<b>Board</b>																								
Check one		X																											
<b>Project Status</b>		<b>New</b>		<b>Grant Connected?</b>																									
<b>Infill Area ?</b>		<b>No</b>		<b>No</b>																									
<b>Short Project Description</b>													<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2"><b>Project Schedule</b></th> </tr> <tr> <th><b>START</b></th> <th><b>FINISH</b></th> </tr> <tr> <td colspan="2" style="text-align: center;">Property Acquisition</td> </tr> <tr> <td colspan="2" style="text-align: center;">Construction</td> </tr> <tr> <td style="text-align: center;">2016</td> <td style="text-align: center;">2018</td> </tr> <tr> <td colspan="2" style="text-align: center;">Professional Services</td> </tr> <tr> <td colspan="2" style="text-align: center;">2016</td> </tr> <tr> <td colspan="2" style="text-align: center;">Furnishings &amp; Equipment</td> </tr> <tr> <td colspan="2" style="text-align: center;">Contingency &amp; Other</td> </tr> <tr> <th colspan="2"><b>TOTAL SCHEDULE</b></th> </tr> <tr> <td style="text-align: center;">2016</td> <td style="text-align: center;">2018</td> </tr> </table>		<b>Project Schedule</b>		<b>START</b>	<b>FINISH</b>	Property Acquisition		Construction		2016	2018	Professional Services		2016		Furnishings & Equipment
<b>Project Schedule</b>																													
<b>START</b>	<b>FINISH</b>																												
Property Acquisition																													
Construction																													
2016	2018																												
Professional Services																													
2016																													
Furnishings & Equipment																													
Contingency & Other																													
<b>TOTAL SCHEDULE</b>																													
2016	2018																												
<b>ANNUAL PROJECT COST</b>						<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2"><b>TOTAL PROJECT</b></th> </tr> <tr> <td style="width: 50%;"></td> <td style="width: 50%;"></td> </tr> <tr> <td>Property Acquisition</td> <td style="text-align: right;">\$0</td> </tr> <tr> <td>Construction</td> <td style="text-align: right;">\$0</td> </tr> <tr> <td>Professional Services</td> <td style="text-align: right;">\$400,000</td> </tr> <tr> <td>Furnishings &amp; Equip.</td> <td style="text-align: right;">\$2,600,000</td> </tr> <tr> <td>Contingency &amp; Other</td> <td style="text-align: right;">\$0</td> </tr> <tr> <td><b>Total</b></td> <td style="text-align: right;"><b>\$3,000,000</b></td> </tr> </table>		<b>TOTAL PROJECT</b>				Property Acquisition	\$0	Construction	\$0	Professional Services	\$400,000	Furnishings & Equip.	\$2,600,000	Contingency & Other	\$0	<b>Total</b>	<b>\$3,000,000</b>						
<b>TOTAL PROJECT</b>																													
Property Acquisition	\$0																												
Construction	\$0																												
Professional Services	\$400,000																												
Furnishings & Equip.	\$2,600,000																												
Contingency & Other	\$0																												
<b>Total</b>	<b>\$3,000,000</b>																												
<b>Project Costs</b>	<b>Prior Years</b>	<b>2013 Budget</b>	<b>2014 Request</b>	<b>2015 Request</b>	<b>2016 Request</b>			<b>2017 Request</b>	<b>2018 Request</b>	<b>Beyond 2018</b>	<b>Total</b>																		
Property Acquisition									\$0																				
Construction									\$0																				
Professional Services						\$200,000	\$200,000		\$400,000																				
Furnishings & Equip.						\$1,300,000	\$1,300,000		\$2,600,000																				
Contingency & Other									\$0																				
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$1,500,000	\$1,500,000	\$0	\$3,000,000																				
<b>ANNUAL PROJECT FUNDS</b>																													
<b>Project Funding</b>	<b>Prior Years</b>	<b>2013 Budget</b>	<b>2014 Request</b>	<b>2015 Request</b>	<b>2016 Request</b>	<b>2017 Request</b>	<b>2018 Request</b>	<b>Beyond 2018</b>	<b>Total</b>																				
General									\$0																				
Bonds									\$0																				
Cert. of Obligation						\$1,500,000	\$1,500,000		\$3,000,000																				
Water									\$0																				
Federal/State									\$0																				
Other									\$0																				
Unfunded									\$0																				
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$1,500,000	\$1,500,000	\$0	\$3,000,000																				
<b>NET IMPACT ON OPERATING BUDGET</b>																													
Revenue																													
Expenditures																													


<b>Project Title:</b>	SCADA System Upgrades				<b>Water / Wastwater</b>					 CITY OF ABILENE 2016 CAPITAL BUDGET
<b>Project Number:</b>	8040-17-02									
<b>Funding Request</b>	<b>Prior Years</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total 2014-2018</b>	<b>Beyond 2018</b>	
	\$0	\$0	\$0	\$0	\$0	\$1,500,000	\$1,500,000	\$3,000,000	\$0	

**Detailed Project Description:**  
 The City's SCADA (Supervisory Control And Data Acquisition) system has aged to the point that parts and support are becoming hard to obtain. This project is designed to upgrade the central SCADA components at the Grimes WTP and the Northeast water treatment plant (WTP). The SCADA system allows for all automation functions of the water treatment processes and includes remote monitoring and control of raw water pumping and treated water storage and pumping facilities. SCADA also includes live data display, trending, and data storage functions necessary for Quality Control and compliance with the regulations.

Work will include replacement of SCADA related software and hardware at the Grimes WTP, Hargesheimer WTP, and the NE WTP and possibly moving data storage to the NE WTP.



<b>Project Category:</b> Water / Wastwater		<b>Location Map</b>          <b>This Space Reserved for Project Location Map (Variable Scale)</b>								 CITY OF ABILENE <b>2017</b> <b>CAPITAL BUDGET</b>				
<b>Department:</b> Water Utilities														
<b>Project Title:</b> Highland Elevated Storage Tank														
<b>Project Number:</b> 8050-17-01														
<b>Location:</b> NE WTP														
<b>Project Source</b>	<b>Dept</b>											<b>Bond</b>	<b>Citizen</b>	<b>Board</b>
Check one	X													
<b>Project Status</b>	<b>Delayed</b>											<b>Grant Connected?</b>		
<b>Infill Area ?</b>	<b>No</b>											<b>No</b>		
<b>Short Project Description</b> Annual tank inspections have identified maintenance issues needed to protect the structural integrity of the storage facilities, extend their useful life, and ensure water quality.														
<b>ANNUAL PROJECT COST</b>										<b>Project Schedule</b>				
<b>Project Costs</b>	<b>Prior Years</b>	<b>2013 Budget</b>	<b>2014 Request</b>	<b>2015 Request</b>	<b>2016 Request</b>	<b>2017 Request</b>	<b>2018 Request</b>	<b>Beyond 2018</b>	<b>Total</b>	<b>START</b>	<b>FINISH</b>			
Property Acquisition									\$0					
Construction						\$1,000,000			\$1,000,000					
Professional Services									\$0					
Furnishings & Equip.									\$0					
Contingency & Other									\$0					
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$1,000,000					
<b>ANNUAL PROJECT FUNDS</b>										<b>2017</b>		<b>2017</b>		
<b>Project Funding</b>	<b>Prior Years</b>	<b>2013 Budget</b>	<b>2014 Request</b>	<b>2015 Request</b>	<b>2016 Request</b>	<b>2017 Request</b>	<b>2018 Request</b>	<b>Beyond 2018</b>	<b>Total</b>	<b>Professional Services</b>		<b>2017</b>		
General									\$0	<b>Furnishings &amp; Equipment</b>		<b>2017</b>		
Bonds									\$0	<b>Contingency &amp; Other</b>		<b>2017</b>		
<b>Cert. of Obligation</b>						\$1,000,000			\$1,000,000	<b>TOTAL SCHEDULE</b>		<b>2017</b>		
Water									\$0	<b>2017</b>		<b>2017</b>		
Federal/State									\$0	<b>TOTAL PROJECT</b>		<b>2017</b>		
Other									\$0	<b>Property Acquisition</b>		<b>\$0</b>		
Unfunded									\$0	<b>Construction</b>		<b>\$1,000,000</b>		
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$1,000,000	<b>Professional Services</b>		<b>0</b>		
<b>NET IMPACT ON OPERATING BUDGET</b>										<b>Furnishings &amp; Equipment</b>		<b>\$0</b>		
Revenue									0	<b>Contingency &amp; Other</b>		<b>\$0</b>		
Expenditures									0	<b>TOTAL</b>		<b>\$1,000,000</b>		

<b>Project Title:</b>	Highland Elevated Storage Tank				<b>Water / Wastewater</b>					 CITY OF ABILENE 2015 CAPITAL BUDGET
<b>Project Number:</b>	8050-17-01									
<b>Funding Request</b>	<b>Prior Years</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total 2014-2018</b>	<b>Beyond 2018</b>	
	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$1,000,000	\$0	

**Detailed Project Description:**  
 Annual tank inspections have identified maintenance issues needed to protect the structural integrity of the storage facilities, extend their useful life, and ensure water quality.  
 Work will include: structural repairs, abrasive blasting, application of corrosion resistant coating on interiors, and application of paint on exteriors.

**Project Timeline:** Highland Elevated Storage Tank

	2017				2018			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Design								
Bid & Contract								
Construction								

<b>Project Category:</b>	Water / Wastwater			
<b>Department:</b>	Water Utilities			
<b>Project Title:</b>	Dyess 16" Relocation			
<b>Project Number:</b>	8050-17-02			
<b>Location:</b>				
<b>Project Source</b>	<b>Dept</b>	<b>Bond</b>	<b>Citizen</b>	<b>Board</b>
Check one	X			
<b>Project Status</b>	Delayed		Grant Connected?	
<b>Infill Area ?</b>	No		No	
<b>Short Project Description</b>				
Relocation of the existing 16" diameter water distribution pipeline serving the Dyess Air Force Base from the second pressure plane.				

**Location Map**

This Space Reserved for Project Location Map (Variable Scale)



<b>Project Schedule</b>	
<b>START</b>	<b>FINISH</b>
Property Acquisition	
Construction	
2017	2017
Professional Services	
2017	2017
Furnishings & Equipment	
Contingency & Other	
<b>TOTAL SCHEDULE</b>	
2017	2017


<b>ANNUAL PROJECT COST</b>									
Project Costs	Prior Years	2013 Budget	2014 Request	2015 Request	2016 Request	2017 Request	2018 Request	Beyond 2018	Total
Property Acquisition									\$0
Construction						\$1,200,000			\$1,200,000
Professional Services						\$300,000			\$300,000
Furnishings & Equip.									\$0
Contingency & Other									\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$1,500,000	\$0	\$0	\$1,500,000

<b>ANNUAL PROJECT FUNDS</b>									
Project Funding	Prior Years	2013 Budget	2014 Request	2015 Request	2016 Request	2017 Request	2018 Request	Beyond 2018	Total
General									\$0
Bonds									\$0
Cert. of Obligation						\$1,500,000			\$1,500,000
Water									\$0
Federal/State									\$0
Other									\$0
Unfunded									\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$1,500,000	\$0	\$0	\$1,500,000

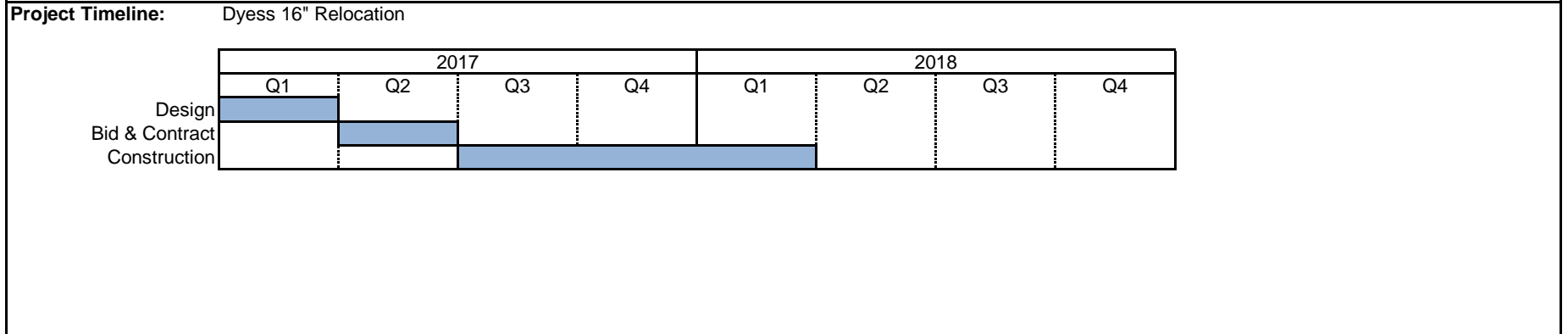
<b>NET IMPACT ON OPERATING BUDGET</b>									
Revenue									0
Expenditures									0
									0
									0


<b>TOTAL PROJECT</b>	
Property Acquisition	\$0
Construction	\$1,200,000
Professional Services	300,000
Furnishings & Equipment	\$0
Contingency & Other	\$0
<b>TOTAL</b>	<b>\$1,500,000</b>




<b>Project Title:</b>	Dyess 16" Relocation				<b>Water / Wastwater</b>					 CITY OF ABILENE 2017 CAPITAL BUDGET
<b>Project Number:</b>	8050-17-02									
<b>Funding Request</b>	<b>Prior Years</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total 2014-2018</b>	<b>Beyond 2018</b>	
	\$0	\$0	\$0	\$0	\$0	\$1,500,000	\$0	\$1,500,000	\$0	

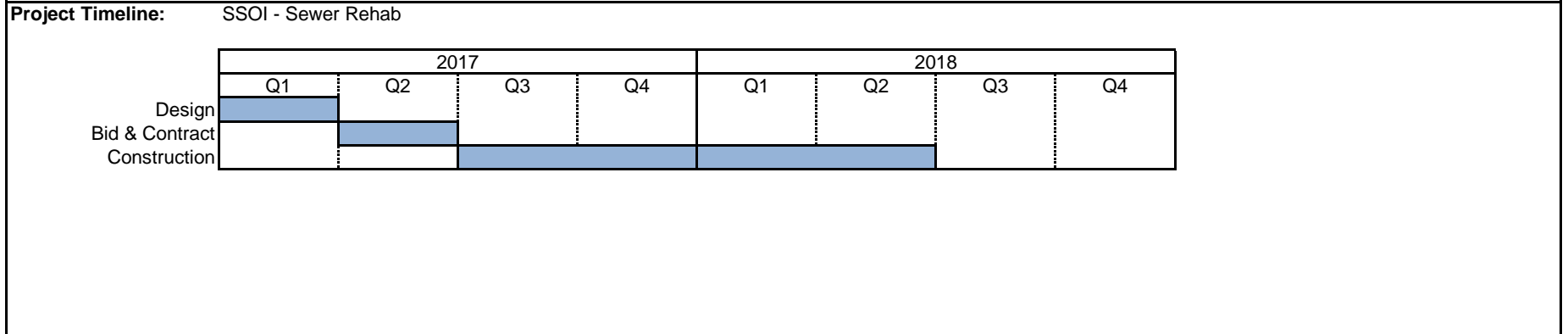
**Detailed Project Description:**  
 Relocation of the existing 16" diameter water distribution pipeline serving the Dyess Air Force Base from the second pressure plane. The existing 16" concrete cylinder pipeline was installed over 50 years ago, prior to much of the development on the west side of Abilene. That pipeline exists in utility easements. However, subsequent development resulted in numerous private residences being platted and built immediately adjacent to the pipeline. Also, there are many locations where there is very limited access to the pipeline due to the close proximity to residences. There are limited instances where the pipeline actually exists beneath private residences. This project would eliminate these concerns by installing a new pipeline along a more uncongested route such as within the City streets and rights-of-way.




<b>Project Category:</b> Water / Wastwater		<b>Location Map</b>          <b>This Space Reserved for Project Location Map (Variable Scale)</b>								 CITY OF ABILENE <b>2017</b> <b>CAPITAL BUDGET</b>				
<b>Department:</b> Water Utilities														
<b>Project Title:</b> SSOI - Sewer Rehab														
<b>Project Number:</b> 8060-17-01														
<b>Location:</b> various locations														
<b>Project Source</b>	<b>Dept</b>											<b>Bond</b>	<b>Citizen</b>	<b>Board</b>
Check one	X													
<b>Project Status</b>	<b>Delayed</b>											<b>Grant Connected?</b>		
<b>Infill Area ?</b>	<b>No</b>											<b>No</b>		
<b>Short Project Description</b> Rehabilitation, repair or replacement of select sections of sewer main piping as required by the City's Sanitary Sewer Overflow Initiative Agreement with the Texas Commission on Environmental Quality.														
<b>ANNUAL PROJECT COST</b>										<b>Project Schedule</b>				
										<b>START</b>	<b>FINISH</b>			
										Property Acquisition				
										Construction				
										2017	2017			
										Professional Services				
										Furnishings & Equipment				
										Contingency & Other				
										<b>TOTAL SCHEDULE</b>				
										2017	2017			
<b>ANNUAL PROJECT FUNDS</b>										<b>TOTAL PROJECT</b>				
<b>Project Funding</b>	<b>Prior Years</b>	<b>2013 Budget</b>	<b>2014 Request</b>	<b>2015 Request</b>	<b>2016 Request</b>	<b>2017 Request</b>	<b>2018 Request</b>	<b>Beyond 2018</b>	<b>Total</b>					
General									\$0	Property Acquisition				
Bonds									\$0	\$0				
Cert. of Obligation						\$500,000	\$500,000		\$1,000,000	Construction				
Water									\$0	\$800,000				
Federal/State									\$0	Professional Services				
Other									\$0	200,000				
Unfunded									\$0	Furnishings & Equipment				
Total	\$0	\$0	\$0	\$0	\$0	\$500,000	\$500,000	\$0	\$1,000,000	\$0				
<b>NET IMPACT ON OPERATING BUDGET</b>														
Revenue									0	Contingency & Other				
Expenditures									0	<b>TOTAL</b> \$1,000,000				


<b>Project Title:</b>	SSOI - Sewer Rehab				<b>Water / Wastewater</b>					 CITY OF ABILENE 2017 CAPITAL BUDGET
<b>Project Number:</b>	8060-17-01									
<b>Funding Request</b>	<b>Prior Years</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total 2014-2018</b>	<b>Beyond 2018</b>	
	\$0	\$0	\$0	\$0	\$0	\$500,000	\$500,000	\$1,000,000	\$0	

**Detailed Project Description:**  
 Rehabilitation, repair, or replacement of select sections of sewer main piping as required by the City's Sanitary Sewer Overflow Initiative Agreement with the Texas Commission on Environmental Quality. During operation and maintenance activities the City staff identifies problem areas within the City's existing wastewater collection system that might result in sanitary sewer overflows. Staff works with a Professional Engineer to develop rehabilitation, repair, or replacement projects to correct those problem areas. The City of Abilene is required to complete 10,000 linear feet of sewer main upgrades within the ten year term of the Agreement.



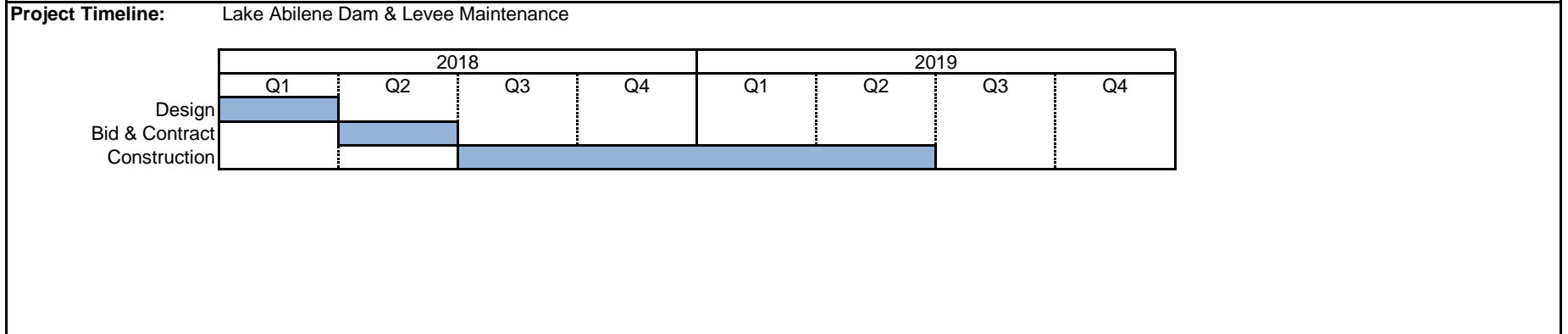
**2018**


<b>Project Category:</b> Water / Wastwater		<b>Location Map</b>  This Space Reserved for Project Location Map (Variable Scale)								 CITY OF ABILENE <b>2018</b> <b>CAPITAL BUDGET</b>					
<b>Department:</b> Water Utilities															
<b>Project Title:</b> Lake Abilene Dam & Levee Maintenance															
<b>Project Number:</b> 8030-18-01															
<b>Location:</b> Lake Abilene															
<b>Project Source</b>	<b>Dept</b>											<b>Bond</b>	<b>Citizen</b>	<b>Board</b>	
Check one	X														
<b>Project Status</b>	<b>Delayed</b>											<b>Grant Connected?</b>			
<b>Infill Area ?</b>	<b>No</b>											<b>No</b>			
<b>Short Project Description</b>															
Recent inspections by the TCEQ indicated deterioration due to erosion and vegetative growth. A subsequent study of the corrective actions required is driving this multi-year project.															
<b>ANNUAL PROJECT COST</b>										<b>Project Schedule</b>					
<b>Project Costs</b>	<b>Prior Years</b>	<b>2013 Budget</b>	<b>2014 Request</b>	<b>2015 Request</b>	<b>2016 Request</b>	<b>2017 Request</b>	<b>2018 Request</b>	<b>Beyond 2018</b>	<b>Total</b>	<b>START</b>	<b>FINISH</b>				
Property Acquisition									\$0						
Construction							\$2,400,000		\$2,400,000						
Professional Services							\$600,000		\$600,000						
Furnishings & Equip.									\$0						
Contingency & Other									\$0						
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$3,000,000	\$0	\$3,000,000						
<b>ANNUAL PROJECT FUNDS</b>										<b>2017</b>		<b>2018</b>			
<b>Project Funding</b>	<b>Prior Years</b>	<b>2013 Budget</b>	<b>2014 Request</b>	<b>2015 Request</b>	<b>2016 Request</b>	<b>2017 Request</b>	<b>2018 Request</b>	<b>Beyond 2018</b>	<b>Total</b>	<b>Professional Services</b>		<b>2010</b>		<b>2018</b>	
General									\$0	<b>Furnishings &amp; Equipment</b>		<b>2010</b>		<b>2018</b>	
Bonds									\$0	<b>Contingency &amp; Other</b>		<b>2010</b>		<b>2018</b>	
Cert. of Obligation							\$3,000,000		\$3,000,000	<b>TOTAL SCHEDULE</b>		<b>2010</b>		<b>2018</b>	
Water									\$0	<b>2010</b>		<b>2018</b>			
Federal/State									\$0	<b>TOTAL PROJECT</b>		<b>2010</b>		<b>2018</b>	
Other									\$0	<b>Property Acquisition</b>		<b>2010</b>		<b>2018</b>	
Unfunded									\$0	<b>Construction</b>		<b>2010</b>		<b>2018</b>	
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$3,000,000	\$0	\$3,000,000	<b>Professional Services</b>		<b>2010</b>		<b>2018</b>	
<b>NET IMPACT ON OPERATING BUDGET</b>										<b>2010</b>		<b>2018</b>			
Revenue									0	<b>Property Acquisition</b>		<b>2010</b>		<b>2018</b>	
Expenditures									0	<b>Construction</b>		<b>2010</b>		<b>2018</b>	
										<b>Other</b>		<b>2010</b>		<b>2018</b>	
										<b>TOTAL</b>		<b>2010</b>		<b>2018</b>	


<b>Project Title:</b>	Lake Abilene Dam & Levee Maintenance				<b>Water / Wastwater</b>					 CITY OF ABILENE 2017 CAPITAL BUDGET
<b>Project Number:</b>	8030-18-01									
<b>Funding Request</b>	<b>Prior Years</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total 2014-2018</b>	<b>Beyond 2018</b>	
	\$0	\$0	\$0	\$0	\$0	\$0	\$3,000,000	\$3,000,000	\$0	

**Detailed Project Description:**  
 Recent inspections by the TCEQ indicated the dams at Lake Kirby, Lake Abilene and Lake Ft. Phantom Hill have experienced some deterioration due to erosion and vegetative growth. The inspections recommended corrective action by the City to prevent more serious structural deterioration. Freese & Nichols is currently designing the necessary improvements.

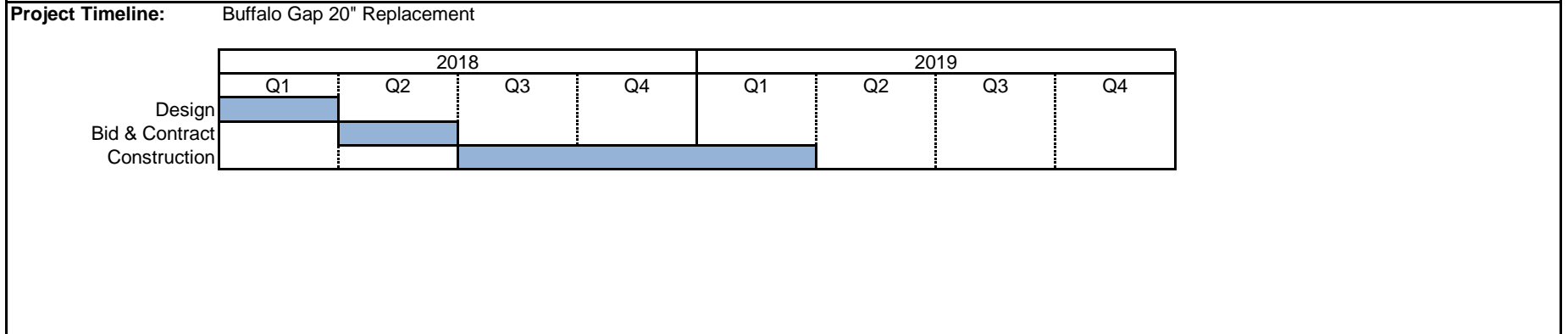
Work on the project could include: slope stabilization, erosion repair, brush removal, brush control, addition/replacement of rip rap, spillway and outlet structure improvements, seepage system relief drain repairs, and other work as identified by Freese & Nichols.



<b>Project Category:</b> Water / Wastwater		<b>Location Map</b>  This Space Reserved for Project Location Map (Variable Scale)								 CITY OF ABILENE 2018 CAPITAL BUDGET				
<b>Department:</b> Water Utilities														
<b>Project Title:</b> Buffalo Gap 20" Replacement														
<b>Project Number:</b> 8050-18-01														
<b>Location:</b>														
<b>Project Source</b>	<b>Dept</b>											<b>Bond</b>	<b>Citizen</b>	<b>Board</b>
Check one	X													
<b>Project Status</b>	<b>Delayed</b>											<b>Grant Connected?</b>		
<b>Infill Area ?</b>	<b>No</b>											<b>No</b>		
<b>Short Project Description</b> Replacement and relocation of the existing 20" diameter water distribution pipeline paralleling Buffalo Gap Road.														
<b>ANNUAL PROJECT COST</b>										<b>Project Schedule</b>				
<b>Project Costs</b>	<b>Prior Years</b>	<b>2013 Budget</b>	<b>2014 Request</b>	<b>2015 Request</b>	<b>2016 Request</b>	<b>2017 Request</b>	<b>2018 Request</b>	<b>Beyond 2018</b>	<b>Total</b>	<b>START</b>	<b>FINISH</b>			
Property Acquisition									\$0					
Construction							\$1,200,000		\$1,200,000					
Professional Services							\$300,000		\$300,000					
Furnishings & Equip.									\$0					
Contingency & Other									\$0					
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$1,500,000	\$0	\$1,500,000					
<b>ANNUAL PROJECT FUNDS</b>										<b>2017</b>		<b>2017</b>		
<b>Project Funding</b>	<b>Prior Years</b>	<b>2013 Budget</b>	<b>2014 Request</b>	<b>2015 Request</b>	<b>2016 Request</b>	<b>2017 Request</b>	<b>2018 Request</b>	<b>Beyond 2018</b>	<b>Total</b>	<b>Professional Services</b>		<b>2017</b>		
General									\$0	<b>Furnishings &amp; Equipment</b>		<b>2017</b>		
Bonds									\$0	<b>Contingency &amp; Other</b>		<b>TOTAL SCHEDULE</b>		
Cert. of Obligation							\$1,500,000		\$1,500,000	<b>2017</b>		<b>2017</b>		
Water									\$0	<b>2017</b>		<b>2017</b>		
Federal/State									\$0	<b>2017</b>		<b>2017</b>		
Other									\$0	<b>2017</b>		<b>2017</b>		
Unfunded									\$0	<b>2017</b>		<b>2017</b>		
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$1,500,000	\$0	\$1,500,000	<b>2017</b>		<b>2017</b>		
<b>NET IMPACT ON OPERATING BUDGET</b>										<b>TOTAL PROJECT</b>				
Revenue									0	<b>Property Acquisition</b>		<b>\$0</b>		
Expenditures									0	<b>Construction</b>		<b>\$1,200,000</b>		
										<b>Professional Services</b>		<b>300,000</b>		
										<b>Furnishings &amp; Equipment</b>		<b>\$0</b>		
										<b>Contingency &amp; Other</b>		<b>\$0</b>		
										<b>TOTAL</b>		<b>\$1,500,000</b>		

<b>Project Title:</b>	Buffalo Gap 20" Replacement				<b>Water / Wastwater</b>					 CITY OF ABILENE 2018 CAPITAL BUDGET
<b>Project Number:</b>	8050-18-01									
<b>Funding Request</b>	<b>Prior Years</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>Total 2014-2018</b>	<b>Beyond 2018</b>	
	\$0	\$0	\$0	\$0	\$0	\$0	\$1,500,000	\$1,500,000	\$0	

**Detailed Project Description:**  
 Replacement and relocation of the existing 20" diameter water distribution pipeline paralleling Buffalo Gap Road. The existing 20" cast iron pipeline was installed about 90 years ago, prior to most of the development on the south side of Abilene. The age and condition of that pipeline justify its replacement for improved reliability and water quality. That pipeline exists in utility easements. However, subsequent development resulted in numerous private residences being platted and built immediately adjacent to the pipeline. Also, there are many locations where there is very limited access to the pipeline due to the close proximity to residences. There are limited instances where the pipeline actually exists beneath private residences. This project would eliminate these concerns by installing a new pipeline along a more uncongested route such as within the City streets and rights-of-way.





2019

<b>Project Category:</b>	Water / Wastwater			
<b>Department:</b>	Water Utilities			
<b>Project Title:</b>	Phantom Intake Structure Improvements			
<b>Project Number:</b>	8030-19-01			
<b>Location:</b>	Lake Ft. Phantom Hill			
<b>Project Source</b>	<b>Dept</b>	<b>Bond</b>	<b>Citizen</b>	<b>Board</b>
Check one	X			
<b>Project Status</b>	Delayed		Grant Connected?	
<b>Infill Area ?</b>	No		No	
<b>Short Project Description</b>				
This project will allow for variable depth pumping and extend the useful life of the Lake Ft. Phantom Hill Raw Water Pump Station.				

**Location Map**

This Space Reserved for Project Location Map (Variable Scale)




<b>Project Schedule</b>	
<b>START</b>	<b>FINISH</b>
Property Acquisition	
Construction	
2018	2018
Professional Services	
2018	2018
Furnishings & Equipment	
Contingency & Other	
<b>TOTAL SCHEDULE</b>	
2018	2018

<b>ANNUAL PROJECT COST</b>									
Project Costs	Prior Years	2014 Budget	2015 Request	2016 Request	2017 Request	2018 Request	2019 Request	Beyond 2019	Total
Property Acquisition									\$0
Construction							\$1,600,000		\$1,600,000
Professional Services							\$400,000		\$400,000
Furnishings & Equip.									\$0
Contingency & Other									\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$2,000,000	\$0	\$2,000,000

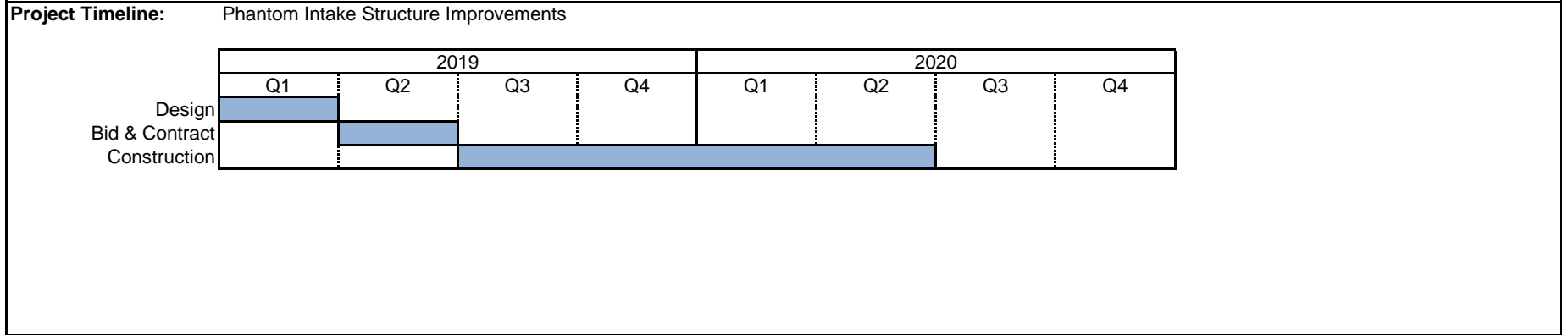
<b>ANNUAL PROJECT FUNDS</b>									
Project Funding	Prior Years	2014 Budget	2015 Request	2016 Request	2017 Request	2018 Request	2019 Request	Beyond 2019	Total
General									\$0
Bonds									\$0
Cert. of Obligation							\$2,000,000		\$2,000,000
Water									\$0
Federal/State									\$0
Other									\$0
Unfunded									\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$2,000,000	\$0	\$2,000,000

<b>NET IMPACT ON OPERATING BUDGET</b>									
Revenue									0
Expenditures									0
									0
									0

<b>TOTAL PROJECT</b>	
Property Acquisition	\$0
Construction	\$1,600,000
Professional Services	\$400,000
Furnishings & Equipment	\$0
Contingency & Other	\$0
<b>TOTAL</b>	<b>\$2,000,000</b>

<b>Project Title:</b>	Phantom Intake Structure Improvements				<b>Water / Wastewater</b>					 CITY OF ABILENE 2018 CAPITAL BUDGET
<b>Project Number:</b>	8030-19-01									
<b>Funding Request</b>	<b>Prior Years</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total 2014-2019</b>	<b>Beyond 2019</b>	
	\$0	\$0	\$0	\$0	\$0	\$0	\$2,000,000	\$2,000,000	\$0	

**Detailed Project Description:**  
 The project involves the installation of pump containment canisters equipped with multiple gates strategically located to allow selective withdrawal of water from various depths within the lake. The project also includes the downsizing of one pump and associated VFD speed control, to improve flexibility of operations including the coordinated pumping with the WCTMWD from Hubbard Creek Reservoir.



<b>Project Category:</b>	Water / Wastwater			
<b>Department:</b>	Water Utilities			
<b>Project Title:</b>	Prison Parallel Line Install			
<b>Project Number:</b>	8050-19-01			
<b>Location:</b>				
<b>Project Source</b>	<b>Dept</b>	<b>Bond</b>	<b>Citizen</b>	<b>Board</b>
Check one	X			
<b>Project Status</b>	Delayed		Grant Connected?	
<b>Infill Area ?</b>	No		No	
<b>Short Project Description</b>				
Installation of a parallel pipeline along East Lake Road from the Northeast Water Treatment Plant to Jones County Road CR 306.				

**Location Map**

This Space Reserved for Project Location Map (Variable Scale)




Project Schedule	
START	FINISH
Property Acquisition	
Construction	
2017	2017
Professional Services	
2017	2017
Furnishings & Equipment	
Contingency & Other	
TOTAL SCHEDULE	
2017	2017

ANNUAL PROJECT COST									
Project Costs	Prior Years	2014 Budget	2015 Request	2016 Request	2017 Request	2018 Request	2019 Request	Beyond 2019	Total
Property Acquisition									\$0
Construction							\$800,000		\$800,000
Professional Services							\$200,000		\$200,000
Furnishings & Equip.									\$0
Contingency & Other									\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$1,000,000

ANNUAL PROJECT FUNDS									
Project Funding	Prior Years	2014 Budget	2015 Request	2016 Request	2017 Request	2018 Request	2019 Request	Beyond 2019	Total
General									\$0
Bonds									\$0
Cert. of Obligation							\$1,000,000		\$1,000,000
Water									\$0
Federal/State									\$0
Other									\$0
Unfunded									\$0
<b>Total</b>	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$1,000,000

NET IMPACT ON OPERATING BUDGET									
Revenue									0
Expenditures									0
									0

TOTAL PROJECT	
Property Acquisition	\$0
Construction	\$800,000
Professional Services	200,000
Furnishings & Equipment	\$0
Contingency & Other	\$0
<b>TOTAL</b>	<b>\$1,000,000</b>

<b>Project Title:</b>	Prison Parallel Line Install				<b>Water / Wastwater</b>					 CITY OF ABILENE 2018 CAPITAL BUDGET
<b>Project Number:</b>	8050-19-01									
<b>Funding Request</b>	<b>Prior Years</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>Total 2014-2019</b>	<b>Beyond 2019</b>	
	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000,000	\$1,000,000	\$0	

**Detailed Project Description:**  
 Installation of a parallel pipeline along East Lake Road from the Northeast Water Treatment Plant to Jones County Road CR 306. The existing pipeline along East Lake Road is a 10" diameter AC pipe that is installed in very rough and rocky terrain which has resulted in several material failures in past years. That section of pipeline is the only pipeline serving the two TDCJ prison facilities to the northeast of Abilene. In order to meet the pressure and quantity needs of those prisons, that pipeline operates at a very high pressure. Pipeline failures can result in loss of water service to the two prison units, which would also affect those City water customers along the east side of Lake Fort Phantom Hill. The new parallel pipeline will add redundancy to the oldest section of pipeline serving the two prison units. A parallel pipeline will relieve some of the high head loss conditions associated with that long pipeline system.

