



# Fort Worth Central City Preliminary Design

Current Working Estimate

Appendix E

January 2005  
Updated April 2005

DRAFT

Images courtesy of CDM, Gibson Toal, and Bing Thom Architects



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Fort Worth Central City  
Preliminary Design  
Current Working Estimate  
MCACES  
Appendix E

Designed By:  
Estimated By: Nick Agnew

Prepared By:

Preparation Date: 04/26/05  
Effective Date of Pricing: 01/01/05

Sales Tax: 0.00%

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Release 1.2

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### 1.2 General Assumptions

Microcomputer Aided Cost Engineering System (MCACES) for Windows version 1.2 was used to develop the estimate for the Fort Worth Central City project.

The following assumptions were used in the estimate:

- Total Construction Costs (Cost to Owner) shown include the Contractors' Field Office Overhead, Home Office Overhead, Profit, Bonds and Insurance.
- Bonds include General Liability Insurance and Builders All Risk.
- Total Project Costs do not include Escalation to the Mid-Point of construction.
- Total Project Costs include Contingency.
- The "Other" Column has been used for work normally performed by subcontractor.
- Additional Assumptions are listed in the individual notes of different categories in the estimate.
- Estimate for Total Bridge Cost was provided by the Bridge Designer.
- All costs based on January 2005.
- The Project is Sales Tax Exempt.

### 1.5 Work Elements

The cost estimate is formatted to be consistent with the Civil Works Breakdown structure (CWBS). Using the CWBS the project has been segregated onto sixteen (16) categories. Categories are further divided into additional work elements as appropriate to provide additional information and detail to individual items. The following is a brief summary of each of the categories and work elements. Additional detail is provided in Appendix C- Volume I Report and Volume II Plans.

#### 1.5.1 Land (01)

This category includes costs associated with the acquisition of property for the project. The costs are tabulated by the major work element for which it will be acquired and property acquisition assistance costs. The four (4) major work elements are: bypass channel, water feature, valley storage, and Marine Creek. The costs associated with each element of work were determined after review of the mass appraisals performed by James K. Norwood as a part of this project. Estimated costs in this estimate are based on the best known information at the time of the estimate and may vary from the amounts in the Norwood appraisals given modifications in the project footprint. A uniform contingency of 10% was included on the land acquisition costs to account for future footprint and market fluctuations.

Property acquisition assistance costs are included for consulting fees, legal assistance, and other permitting, fees, licenses that will be incurred as part of the land acquisition activity. These costs are for additional analysis, planning, acquisition documents and proceedings including any additional appraisals and possible condemnation proceedings. A contingency has not been provided on these costs as they are separate consulting costs.

#### 1.5.2 Relocation (02)

This category includes anticipated costs for the relocation and moving of current property owners and tenants on the affected property. Costs for relocations of persons and businesses under this section are based on the report prepared by Pinnacle Consulting Management Group, Inc dated February

2, 2005. A contingency of 10% was included on these costs.

#### 1.5.3 Reservoirs (04)

Riverbend, Samuel Avenue, I-35 and University Drive are the four locations which have been identified for Valley Storage improvements. Site improvements include removing unnecessary structures, site grading to allow for more valley storage and construction of new levees. In addition, new flood control structures, seeding and utility replacements are included in the expected costs. The University Drive site primarily contains roadway and grade modifications/improvements. Borrow material required for University Drive site is imported from the bypass channel and valley storage sites. A contingency of 20% was included on these costs.

#### 1.5.4 Samuel Avenue Dam (05)

Downstream of the bypass channel a new dam structure will be constructed on the West Fork Trinity River. The dam will consist of seven leaf gates placed into a concrete support structure. Three (3) sluice gates will also be provided in the bottom of the dam to assist in the control of upstream water levels. The concrete structure will have a bridge on the top of the dam and will be supported on a Roller Compacted Concrete (RCC) / Bedrock foundation. A temporary cofferdams and diversion channel will be required during construction of the dam. Several Valley Storage sites will be constructed adjacent to the dam and which costs are included under the appropriate category.

A bridge is also proposed on top of the structure to provide maintenance access to the leaf gates. A contingency of 20% was included on these costs.

#### 1.5.5 Ecosystem Restoration (06)

Ecosystem Restoration contains costs to restore and improve the various valley storage sites. The primary locations for ecosystem restoration are Riverbend, Rockwood, Samuel Avenue and I-35. The improvements that are included are seeding (both normal Bermuda grass and grassland/wetlands) and tree planting. In addition, 50,000 CY of earthwork is included at the Rockwood site for the restoration of an existing oxbow. A contingency of 20% was included on these costs.

#### 1.5.6 Roads and Bridges (08)

##### A. Henderson Bridge and Roadway

Henderson Bridge will be a 6 lane standard bridge approximately 700 lf long with 10 ft wide concrete walks on both sides. Elevated embankments will lead up to the bridge on both sides of the future channel. The embankments will be supported by concrete retaining walls. The roadways will be constructed of concrete and include street lighting, pavement marking and signage. Construction of the roadway will require a temporary roadway.

##### B. White Settlement Bridge and Roadway

White Settlement Bridge will be a 4 lane standard bridge approximately 735 lf long with 10 ft wide concrete walks on both sides. Elevated embankments will lead up to the bridge on both sides of the future channel. The embankments will be supported by concrete retaining walls. The roadways will be constructed of concrete and include street lighting, pavement marking and signage. Construction of the roadway will require a temporary roadway. Installation of the final traffic signal for the White Settlement and

Henderson Street intersection are included under this task.

C. Main Street Bridge and Roadway

Main Street Bridge will be a 4 lane designer (cable stayed) bridge approximately 406 lf long with 10 ft wide concrete walks on both sides. Elevated embankments will lead up to the bridge on both sides of the future channel. The embankments will be supported by concrete retaining walls. The roadways will be constructed of concrete. The roadways will be constructed of concrete and include street lighting, pavement marking and signage. Construction of the roadway will require a roadway detour onto an existing roadway.

D. White Settlement at Water Feature Bridge and Roadway

White Settlement Bridge will be a 4 lane standard bridge approximately with 10 ft wide concrete walks on both sides. The bridge will cross the expanded Water Feature. Elevated embankments will lead up to the bridge on both sides of the future channel. The embankments will be supported by concrete retaining walls. The roadways will be constructed of concrete. The roadways will be constructed of concrete and include street lighting, pavement marking and signage.

E. Street Modifications

Additional costs were provided to perform modifications to the various local streets that will be affected by the construction of the channel. These modifications include providing turnouts, dead ends and patching of existing roads and drainage system.

A contingency of 20% was included on Road and Bridge costs.

1.5.7 Channel- Bypass (09)

Bypass Channel construction was been broken into two separate areas; North and South. The channel will consists of an excavated center channel with levees built on each side of the channel. On the West side of the channel a standard earthen levee wall will be constructed, while on the east side, a multi-level concrete retaining wall levee will be constructed.

Both sides of the channel will have recreational paths for pedestrian access.

All excess excavation material will be stockpiled in the future development area for use during construction of the flood control gates and White Settlement roadway embankment. Two pedestrian crossings will be constructed across the new channel and the West Fork Trinity River (just prior to the intersection with the new channel). Both pedestrian crossings will be designed to act as water breaks during a flood event.

A contingency of 20% was included on Road and Bridge costs.

1.5.8 Stormwater Pumping Facility (13)

A Stormwater Pumping Facility will be included in the project to maintain the water level inside the water feature area during rainfall events high water period on the West Fork. This facility is located adjacent to the TRWD Gate and will be constructed at the same time as the gate structure. The facility will contain a total of four (4) 45,000 GPM pumps and be constructed of a concrete wet well and a masonry building. An emergency generator will be shared with the TRWD gate structure. In addition, access and parking is provided adjacent to the site. A contingency of 20% was included on these costs.

1.5.9 Recreation Facilities (14)

A. Water Feature

A water feature will be constructed at the existing confluence of the West Fork Trinity River and the Clear Fork Trinity River. The Water Feature area will be constructed with concrete retaining walls and walks. Recirculation pumps and housings are also included in the estimate to assist in the circulation of water in the interior area. A preliminary design had not been developed at the time of the estimate.

B. Marine Creek

Modifications will be made to Marine Creek, upstream of Samuel Avenue Dam, in order to ensure that pedestrian access will be available once the dam is constructed and the water impoundment is created. The modifications include construction of concrete retaining walls and walks.

A contingency of 20% was included on these costs.

1.5.10 Flood Control & Diversion Structures (15)

Three Gate Control Structures (Clear Fork, Trinity Point and TRWD) will be constructed for the project. All three (3) structures will be constructed of concrete with battered foundation piles providing support to bedrock. The Clear Fork gate will also have a sheet pile cutoff wall. Each gate will have one large (24' x 17') Vertical Roller Gate and at least one small (12' x 10') Vertical Roller Gate (Trinity Point Gate - two). The large gate will be used for normal water control and boat access to the interior area, while the smaller gate(s) will be used to seal off pedestrian access during flooding conditions. Gates can be inspected when open through internal access areas. In addition, each gate will have an enclosed control room and instrumentation system for monitoring the gates.

A contingency of 20% was included on these costs.

1.5.11 Building Demolition & Utilities (19)

A. Demolition

This section includes the demolition of structures and paving in the bypass channel and the water feature areas. Approximately 1,583,575 sf of light industrial buildings are to be demolished. The average building height was assumed to be 20 ft tall with 7.5% of building volume requiring disposal. Concrete Paving was assumed to be 8" thick with approximately 48,780 sy required for removal. Asphalt Paving was assumed to be 6" thick with approximately 127,800 sy of material removal.

B. Utility Relocation

A variety of utility lines including sewers, storm sewers, water mains, gas mains, electrical and cable will need to be relocated and demolished. Construction Costs for these items have been included in this section.

A contingency of 20% was included on these costs.

1.5.12 Design Survey, Testing and Legal (21)

This category includes anticipated costs for design survey, project control, geotechnical exploration and testing, independent construction materials testing and legal assistance fees. The costs are divided into two main tasks: 1) Design Survey and Testing and 2) Legal Fees. Costs under this category are based on a percentage of the total construction cost with contingency. Based

on the complexity, magnitude, and duration of the project the costs have been assumed as approximately 1.3% for Design Survey and Testing services and 1.0% for Legal Fees for a total of 2.3% for this category.

#### 1.5.13 Program Management (22)

This category includes anticipated costs for program management services during the design and construction of the project. Program management services are anticipated, but not limited to be: Agency Coordination/ Management, Standards Development, Maintenance of Project Records and Base Files, Funding/ Grants and Cost Accounting, Contract Procurement, Project Schedule Maintenance, and Closeout. Costs under this category are based on a percentage of the total construction cost with contingency. Based on the complexity, magnitude, and duration of the project the costs have been assumed as approximately 4.9% for this category.

#### 1.5.14 Planning, Engineering & Design (30)

This category includes anticipated costs for design and permitting including but not limited to development of final designs, contract bid packages, cost estimation, engineering services during construction, environmental permitting, and permit fees. The costs are divided into two main tasks: 1) A/E Design Fees and 2) Permits, Fees, and Licenses. Costs under this category are based on a percentage of the total construction cost with contingency. Based on the complexity, magnitude, and duration of the project the costs have been assumed as approximately 5.0% for A/E Design Fees and 1.7% for Permits, Fees and Licenses for a total of 6.7% for this category.

#### 1.5.15 Construction Management (31)

This category includes anticipated costs for construction management including but not limited to costs for: meetings (pre-con, progress, post-con), field coordination, inspection, survey control, contract modifications, payment request processing. Costs under this category are based on a percentage of the total construction cost with contingency. Based on the complexity, magnitude, and duration of the project the costs have been assumed as approximately 4.6% for this category.

#### 1.5.16 HTRW (33)

The HTRW category includes costs for environmental services and remediation on the project and was developed based on the results of the environmental records review completed for the potentially impacted properties during the preliminary design phase. Environmental remediation costs for the project were developed primarily for the potentially impacted properties within the proposed bypass channel.

Construction costs were developed to address assumed conditions at each of the sites with records indicating potential release of petroleum or hazardous chemicals. Costs include, but are not limited to, the following:

- Investigation of assumed contaminated sites;
- Excavation and disposal of USTs and accompanying contaminated soils;
- Placement of short-term groundwater recovery/treatment systems at locations with LUSTs/USTs;
- Excavation and disposal of assumed volumes of contaminated soil, based on the number of databases that each site appears within;
- Analytical costs for characterization of the contaminated soils for disposal and confirmation of complete removal; and

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- Engineering design fees and administrative costs for following required regulatory guidelines and submittal of appropriate reports to regulatory agencies.

Asbestos abatement costs were calculated based on a judgment of the total square footage of office type space within the total building footprint calculated for demolition on the project. Abatement unit price were then used from industry source to determine the estimated asbestos abatement cost. The HTRW construction costs are based on the best available information at this time and will be updated and refined as design development is advanced and more information can be obtained within the project footprint.

#### 1.8 Estimate Layout

The estimate was divided into 6 different sections:

- Title - provides basic project information as well as overall notes and assumptions for the estimate.
- Settings - provides information regarding the estimate layout. The settings section informs the viewer about the breakdown of the contingency, contractor overheads and estimate layout.
- Summary - provides a summary level breakout of the Project Owner Summary, Project Indirect Summary, and Project Direct Summary. The Project Owner Summary provides a review of total costs to the owner including all associated contingencies. The Project Indirect Summary supplies a review of the contractor costs and the contractor's field office overhead, home office overhead, profits and bonds & insurance. The Project Direct Summary provides a review of the total man-hours, labor costs, equipment costs, material costs and subcontractor (other) costs.
- Detail - supplies a detailed breakdown of all areas of the estimate.
- Error - provides a list and explanation of errors made in the estimate.
- Contents - supplies a table of contents for the summary and detailed portions of the estimate.



\*\* PROJECT SETTINGS \*\*

ESTIMATE TYPE : A-Crews with Auto Reprice

SALES TAX : 0.00%

DATE OF ESCALATION SCHEDULE : 09/10/04

PROJECT DIRECT COST COLUMNS

Col Type	H	L	E	M	U
Rep Width	8	10	10	10	9
Title	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER

PROJECT INDIRECT COST COLUMNS

Col Type	O	U	P	B	X
Rep Width	10	10	10	10	0
Title	FIELD OH	HOME OFC	PROFIT	BOND	(Unused)

PROJECT OWNER COST COLUMNS

Col Type	C	E	X	X	X
Rep Width	10	10	0	0	0
Title	CONTINGN	ESCALATN	(Unused)	(Unused)	(Unused)

PROJECT BREAKDOWN

PROJECT ID	Length	Trail Sep	Level Title	2nd View Order
Level 1 ID :	2	_	Contract	0
Level 2 ID :	2	.	Feature	0
Level 3 ID :	2	.	Sub Feat	0
Level 4 ID :	2	_	Element	0
Level 5 ID :	3	_	Level 5	0
Level 6 ID :	3	N	Level 6	0

Owner Cost Level : 0

\*\* PROJECT SETTINGS \*\*

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2ND VIEW COLUMNS

Quantity Column Width : 10

Col Type	X	X	X	X	X
Rep Width	0	0	0	0	0
Title	(Unused)	(Unused)	(Unused)	(Unused)	(Unused)

Shadow	X	X	X	X	X
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DETAIL REPORT FORMATTING

PAGE OPTIONS                      Page Break Levels : 2  
                                    Table of Contents Levels : 6

0 1 2 3 4 5 6 7

ROW OPTIONS                      Print Titles at Levels : N N Y Y Y Y  
                                    Print Totals at Levels : Y Y Y Y Y Y  
                                    Print Notes at Levels : Y Y Y Y Y Y Y Y  
                                    Print Unit Cost Row : Y  
                                    Print Page Footer : Y  
                                    Show Cost Codes : Y

COLUMNS OPTIONS                      Print Crew Id : N  
                                    Crew Output : N  
                                    Unit Cost : N

UPB TITLES                      No. of Levels to Print : 0  
                                    Bracket Titles With : N N  
                                    Include titles Notes : N

\*\* PROJECT SETTINGS \*\*

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OTHER REPORT FORMATTING

COLUMN TITLES FOR SUMMARY REPORTS

Column 1 FIELD OH : Prime Contractor's Field Overhead  
Column 2 HOME OFC : Prime's Home Office Expense  
Column 3 PROFIT : Prime Contractor's Profit  
Column 4 BOND : Prime Contractor's Bond  
Column 5 (Unused) : (Unused)

Column 1 CONTINGN : Contingency  
Column 2 ESCALATN : Escalation  
Column 3 (Unused) :  
Column 4 (Unused) :  
Column 5 (Unused) :

STANDARD COLUMN WIDTHS

SUMMARY FEATURES

Quantity Columns : 8      Round Totals Column : N-None  
Total cost Columns : 12      Contingency Notes : No  
Unit Cost Columns : 8      Show Project Totals : Yes

SPECIAL REPORT FORMATTING OPTIONS

First Alternate ID : (None)  
Show Markup at Level : 0  
Display Indirect/Owner Markup as : A - Unit Costs Only  
CSI Sort at Level : (None)

\*\* PROJECT SETTINGS \*\*

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REPORT SELECTION

Project Settings : Y Profit Guidelines : N  
Contractor Settings : Y  
Link Listing : Y Measurement Units : U.S.

REPORT FORMAT TYPE FOR LEVEL (S)

Direct Indirect Owner 0 1 2 3 4 5 6

Detail : Y  
Project : Y Y Y Y Y Y Y  
Contractor : N N N N N N N  
Division : N N N N N N N  
System : N N N N N N N  
2nd View : N  
  
Crew : Y Y Y Y Y Y Y  
Labor : Y  
Equipment : Y  
Prime Labor Cost Level : N

\*\* OWNER, OVERTIME, AND ADJUSTMENTS SETTINGS \*\*

			*ESCALATN DATE*		*ESCALATN INDEX*	
	AMOUNT	PERCENT	BEGIN	END	BEGIN	END
-----						
Project Information Record						
Contingency		P				0.00
Escalation		P				0.00
01_5 By-Pass Channel						
Contingency		P				10.00
Escalation		O				
01_10 Water Feature						
Contingency		P				10.00
Escalation		O				
01_15 Valley Storage						
Contingency		P				10.00
Escalation		O				
01_20 Marine Creek						
Contingency		P				10.00
Escalation		O				
01_25 Property Acquisition Assistance						
Contingency		P				0.00
Escalation		O				
02_5 Land Owner Relocation						
Contingency		P				10.00
Escalation		O				
03_16. 5.02 Division 2 - Site Work						
Contingency		P				20.00
Escalation		O				
03_16. 5.03 Division 3 - Concrete						
Contingency		P				20.00
Escalation		O				
03_16. 5.05 Division 5 - Metals						
Contingency		P				20.00
Escalation		O				
03_16. 5.11 Division 11 - Equipment						
Contingency		P				20.00
Escalation		O				
03_16. 5.15 Division 15 - Mechanical						
Contingency		P				20.00
Escalation		O				
03_16. 5.16 Division 16 - Electrical						
Contingency		P				20.00
Escalation		O				

\*\* OWNER, OVERTIME, AND ADJUSTMENTS SETTINGS \*\*

			*ESCALATN DATE*		*ESCALATN INDEX*			
			AMOUNT	PERCENT	BEGIN	END	BEGIN	END
03_16.10.02	Division 2 - Site Work							
	Contingency	P		20.00				
	Escalation	O						
03_16.10.15	Division 15 - Mechanical							
	Contingency	P		20.00				
	Escalation	O						
03_16.15.02	Division 2 - Site Work							
	Contingency	P		20.00				
	Escalation	O						
03_16.15.16	Division 16 - Electrical							
	Contingency	P		20.00				
	Escalation	O						
03_16.20.02	Division 2 - Site Work							
	Contingency	P		20.00				
	Escalation	O						
03_16.20.03	Division 3 - Concrete							
	Contingency	P		20.00				
	Escalation	O						
03_16.20.15	Division 15 - Mechanical							
	Contingency	P		20.00				
	Escalation	O						
03_16.20.16	Division 16 - Electrical							
	Contingency	P		20.00				
	Escalation	O						
04_02	Division 2 - Site Work							
	Contingency	P		20.00				
	Escalation	O						
04_03	Division 3 - Concrete							
	Contingency	P		20.00				
	Escalation	O						
04_09	Division 9 - Finishes							
	Contingency	P		20.00				
	Escalation	O						
04_11	Division 11 - Equipment							
	Contingency	P		20.00				
	Escalation	O						
04_13	Division 13 - Special Const.							
	Contingency	P		20.00				
	Escalation	O						

\*\* OWNER, OVERTIME, AND ADJUSTMENTS SETTINGS \*\*

			*ESCALATN DATE*		*ESCALATN INDEX*			
			AMOUNT	PERCENT	BEGIN	END	BEGIN	END
-----								
04_16	Division 16 - Electrical							
	Contingency	P		20.00				
	Escalation	O						
04_17	Division 17 - Instrumentation							
	Contingency	P		20.00				
	Escalation	O						
06_17. 5.02	Division 2 - Site Work							
	Contingency	P		20.00				
	Escalation	O						
06_17.10.02	Division 2 - Site Work							
	Contingency	P		20.00				
	Escalation	O						
06_17.15.02	Division 2 - Site Work							
	Contingency	P		20.00				
	Escalation	O						
06_17.20.02	Division 2 - Site Work							
	Contingency	P		20.00				
	Escalation	O						
08_08.02	Division 2 - Site Work							
	Contingency	P		20.00				
	Escalation	O						
08_08.03	Division 3 - Concrete							
	Contingency	P		20.00				
	Escalation	O						
08_09.02	Division 2 - Site Work							
	Contingency	P		20.00				
	Escalation	O						
08_09.03	Division 3 - Concrete							
	Contingency	P		20.00				
	Escalation	O						
08_10.02	Division 2 - Site Work							
	Contingency	P		20.00				
	Escalation	O						
08_10.03	Division 3 - Concrete							
	Contingency	P		20.00				
	Escalation	O						
08_11.02	Division 2 - Site Work							
	Contingency	P		20.00				
	Escalation	O						

\*\* OWNER, OVERTIME, AND ADJUSTMENTS SETTINGS \*\*

			*ESCALATN DATE*	*ESCALATN INDEX*
	AMOUNT	PERCENT	BEGIN	END
			BEGIN	END
08_11.03 Division 3 - Concrete				
Contingency		20.00		
Escalation				
08_12.02 Division 2 -Site Work				
Contingency		20.00		
Escalation				
08_12.16 Division 16 - Electrical				
Contingency		20.00		
Escalation				
09_05.02 Division 2 - Site Work				
Contingency		20.00		
Escalation				
09_05.03. 5 Lower Wall				
Contingency		20.00		
Escalation				
09_05.03.10 Middle Wall				
Contingency		20.00		
Escalation				
09_05.03.15 Upper Wall				
Contingency		20.00		
Escalation				
09_06.02 Division 2 - Site Work				
Contingency		20.00		
Escalation				
09_06.03. 5 Lower Wall				
Contingency		20.00		
Escalation				
09_06.03.10 Middle Wall				
Contingency		20.00		
Escalation				
09_06.03.15 Upper Wall				
Contingency		20.00		
Escalation				
09_06.03.20 Pedestrian Crossings				
Contingency		20.00		
Escalation				
13_02 Division 2 - Site Work				
Contingency		20.00		
Escalation				



\*\* OWNER, OVERTIME, AND ADJUSTMENTS SETTINGS \*\*

			*ESCALATN DATE*	*ESCALATN INDEX*
	AMOUNT	PERCENT	BEGIN	END
-----				
13_03 Division 3 - Concrete				
Contingency		20.00		
Escalation				
13_04 Division 4 - Masonry				
Contingency		20.00		
Escalation				
13_05 Division 5 - Metals				
Contingency		20.00		
Escalation				
13_07 Division 7 - Thermal & Moisture				
Contingency		20.00		
Escalation				
13_09 Division 9 - Finishes				
Contingency		20.00		
Escalation				
13_11 Division 11 - Equipment				
Contingency		20.00		
Escalation				
13_14 Division 14 - Conveying Systems				
Contingency		20.00		
Escalation				
13_15 Division 15 - Mechanical				
Contingency		20.00		
Escalation				
13_16 Division 16 - Electrical				
Contingency		20.00		
Escalation				
13_17 Division 17 - Instrumentation				
Contingency		20.00		
Escalation				
14_07. 5.02 Division 2 - Site Work				
Contingency		20.00		
Escalation				
14_07. 5.03 Division 3 - Concrete				
Contingency		20.00		
Escalation				
14_07. 5.11 Division 11 - Equipment				
Contingency		20.00		
Escalation				

\*\* OWNER, OVERTIME, AND ADJUSTMENTS SETTINGS \*\*

			*ESCALATN DATE*		*ESCALATN INDEX*			
			AMOUNT	PERCENT	BEGIN	END	BEGIN	END
14_07. 5.15	Division 15 - Mechanical							
	Contingency	P		20.00				
	Escalation	O						
14_07. 5.16	Division 16 - Electrical							
	Contingency	P		20.00				
	Escalation	O						
14_07.10.02	Division 2 - Site Work							
	Contingency	P		20.00				
	Escalation	O						
14_07.10.03	Division 3 - Concrete							
	Contingency	P		20.00				
	Escalation	O						
14_07.10.16	Division 16 - Electrical							
	Contingency	P		20.00				
	Escalation	O						
15_ 5.02	Division 2 - Site Work							
	Contingency	P		20.00				
	Escalation	O						
15_ 5.03	Division 3 - Concrete							
	Contingency	P		20.00				
	Escalation	O						
15_ 5.05	Division 5 - Metals							
	Contingency	P		20.00				
	Escalation	O						
15_ 5.09	Division 9 - Finishes							
	Contingency	P		20.00				
	Escalation	O						
15_ 5.11	Division 11 - Equipment							
	Contingency	P		20.00				
	Escalation	O						
15_ 5.13	Division 13 - Special Const.							
	Contingency	P		20.00				
	Escalation	O						
15_ 5.16	Division 16 - Electrical							
	Contingency	P		20.00				
	Escalation	O						
15_ 5.17	Division 17 - Instrumentation							
	Contingency	P		20.00				
	Escalation	O						

\*\* OWNER, OVERTIME, AND ADJUSTMENTS SETTINGS \*\*

			*ESCALATN DATE*		*ESCALATN INDEX*			
			AMOUNT	PERCENT	BEGIN	END	BEGIN	END
15_10.02	Division 2 - Site Work							
	Contingency	P		20.00				
	Escalation	O						
15_10.03	Division 3 - Concrete							
	Contingency	P		20.00				
	Escalation	O						
15_10.05	Division 5 - Metals							
	Contingency	P		20.00				
	Escalation	O						
15_10.09	Division 9 - Finishes							
	Contingency	P		20.00				
	Escalation	O						
15_10.11	Division 11 - Equipment							
	Contingency	P		20.00				
	Escalation	O						
15_10.13	Division 13 - Special Const.							
	Contingency	P		20.00				
	Escalation	O						
15_10.16	Division 16 - Electrical							
	Contingency	P		20.00				
	Escalation	O						
15_10.17	Division 17 - Instrumentation							
	Contingency	P		20.00				
	Escalation	O						
15_15.02	Division 2 - Site Work							
	Contingency	P		20.00				
	Escalation	O						
15_15.03	Division 3 - Concrete							
	Contingency	P		20.00				
	Escalation	O						
15_15.05	Division 5 - Metals							
	Contingency	P		20.00				
	Escalation	O						
15_15.08	Division 8 - Doors & Windows							
	Contingency	P		20.00				
	Escalation	O						
15_15.09	Division 9 - Finishes							
	Contingency	P		20.00				
	Escalation	O						

\*\* OWNER, OVERTIME, AND ADJUSTMENTS SETTINGS \*\*

			*ESCALATN DATE*		*ESCALATN INDEX*			
			AMOUNT	PERCENT	BEGIN	END	BEGIN	END
-----								
15_15.11	Division 11 - Equipment							
	Contingency	P		20.00				
	Escalation	O						
15_15.13	Division 13 - Special Const.							
	Contingency	P		20.00				
	Escalation	O						
15_15.16	Division 16 - Electrical							
	Contingency	P		20.00				
	Escalation	O						
15_15.17	Division 17 - Instrumentation							
	Contingency	P		20.00				
	Escalation	O						
19_02.02. 5	Paving - Asphalt							
	Contingency	P		20.00				
	Escalation	O						
19_02.02.10	Paving - Concrete							
	Contingency	P		20.00				
	Escalation	O						
19_02.02.15	Building Demolition							
	Contingency	P		20.00				
	Escalation	O						
19_02.02.20	Miscellaneous							
	Contingency	P		20.00				
	Escalation	O						
19_13.02. 5	Sanitary Sewer							
	Contingency	P		20.00				
	Escalation	O						
19_13.02.10	Water Mains							
	Contingency	P		20.00				
	Escalation	O						
19_13.02.15	Storm Sewer							
	Contingency	P		20.00				
	Escalation	O						
19_13.02.20	Gas Distribution & Transmission							
	Contingency	P		20.00				
	Escalation	O						
19_13.02.25	Outfall Collection System							
	Contingency	P		20.00				
	Escalation	O						

\*\* OWNER, OVERTIME, AND ADJUSTMENTS SETTINGS \*\*

			*ESCALATN DATE*		*ESCALATN INDEX*	
	AMOUNT	PERCENT	BEGIN	END	BEGIN	END
-----						
19_13.11 Division 11 - Equipment						
Contingency		P				20.00
Escalation		O				
19_13.15. 5 Sanitary Sewer						
Contingency		P				20.00
Escalation		O				
19_13.15.10 Water Mains						
Contingency		P				20.00
Escalation		O				
19_13.15.15 Storm Sewer						
Contingency		P				20.00
Escalation		O				
19_13.15.20 Gas Distribution & Transmission						
Contingency		P				20.00
Escalation		O				
19_14.02. 5 Electrical						
Contingency		P				20.00
Escalation		O				
19_14.02.10 Cable						
Contingency		P				20.00
Escalation		O				
19_14.02.15 Fiber Optic						
Contingency		P				20.00
Escalation		O				
19_14.02.20 Miscellaneous						
Contingency		P				20.00
Escalation		O				
19_14.16. 5 Electrical						
Contingency		P				20.00
Escalation		O				
19_14.16.10 Cable						
Contingency		P				20.00
Escalation		O				
19_14.16.15 Fiber Optic						
Contingency		P				20.00
Escalation		O				
19_14.16.20 Telephone						
Contingency		P				20.00
Escalation		O				

\*\* OWNER, OVERTIME, AND ADJUSTMENTS SETTINGS \*\*

			*ESCALATN DATE*	*ESCALATN INDEX*
	AMOUNT	PERCENT	BEGIN	END
-----				
19_14.16.25 Miscellaneous				
Contingency		20.00		
Escalation				
19_15.02 Division 2 - Site Work				
Contingency		20.00		
Escalation				
19_15.16 Division 16 - Electrical				
Contingency		20.00		
Escalation				
21_ 5 Design Survey and Testing				
Contingency		0.00		
Escalation				
21_10 Legal Costs				
Contingency		0.00		
Escalation				
22_ 5 Program Management				
Contingency		0.00		
Escalation				
30_ 5 A/E Design Service				
Contingency		0.00		
Escalation				
30_10 Permitting				
Contingency		0.00		
Escalation				
31_ 5 Const. Management & Testing				
Contingency		0.00		
Escalation				
33_01 Environmental Assessment				
Contingency		20.00		
Escalation				
33_02 Division 2 - Site Work				
Contingency		20.00		
Escalation				
33_11 Division 11 - Equipment				
Contingency		20.00		
Escalation				
33_20 Analytical Testing				
Contingency		20.00		
Escalation				

\*\* OWNER, OVERTIME, AND ADJUSTMENTS SETTINGS \*\*

			*ESCALATN DATE*		*ESCALATN INDEX*		
		AMOUNT	PERCENT	BEGIN	END	BEGIN	END
33_21 Offsite Environmental Coord.							
Contingency	P		20.00				
Escalation	O						

\*\* CONTRACTOR SETTINGS \*\*

	AMOUNT	PCT	PCT S	RISK	DIFF	SIZE	PERIOD	INVEST	ASSIST	SUBCON
-----										
02 Demolition Contractor										
Prime Contractor's Field Overhead	10.00									
Prime's Home Office Expense	3.00									
Prime Contractor's Profit	8.00									
Prime Contractor's Bond	2.50									
03 Gate Control Structures Contr.										
Prime Contractor's Field Overhead	10.00									
Prime's Home Office Expense	3.00									
Prime Contractor's Profit	8.00									
Prime Contractor's Bond	2.50									
04 Samuel Ave. Dam Contractor										
Prime Contractor's Field Overhead	10.00									
Prime's Home Office Expense	3.00									
Prime Contractor's Profit	8.00									
Prime Contractor's Bond	2.50									
05 North Bypass Channel Contractor										
Prime Contractor's Field Overhead	10.00									
Prime's Home Office Expense	3.00									
Prime Contractor's Profit	8.00									
Prime Contractor's Bond	2.50									
06 South Bypass Channel Contractor										
Prime Contractor's Field Overhead	10.00									
Prime's Home Office Expense	3.00									
Prime Contractor's Profit	8.00									
Prime Contractor's Bond	2.50									
07 Water Feature Contractor										
Prime Contractor's Field Overhead	10.00									
Prime's Home Office Expense	3.00									
Prime Contractor's Profit	8.00									
Prime Contractor's Bond	2.50									
08 Henderson B & R Contractor										
Prime Contractor's Field Overhead	10.00									
Prime's Home Office Expense	3.00									
Prime Contractor's Profit	8.00									
Prime Contractor's Bond	2.50									



\*\* CONTRACTOR SETTINGS \*\*

	AMOUNT	PCT	PCT S	RISK	DIFF	SIZE	PERIOD	INVEST	ASSIST	SUBCON
-----										
09 White Settlemen B &R Contractor										
Prime Contractor's Field Overhead	10.00									
Prime's Home Office Expense	3.00									
Prime Contractor's Profit	8.00									
Prime Contractor's Bond	2.50									
10 Main Street B & R Contractor										
Prime Contractor's Field Overhead	10.00									
Prime's Home Office Expense	3.00									
Prime Contractor's Profit	8.00									
Prime Contractor's Bond	2.50									
11 White Set. @ WF B & R Contractor										
Prime Contractor's Field Overhead	10.00									
Prime's Home Office Expense	3.00									
Prime Contractor's Profit	8.00									
Prime Contractor's Bond	2.50									
12 Street Modifications Contractor										
Prime Contractor's Field Overhead	10.00									
Prime's Home Office Expense	3.00									
Prime Contractor's Profit	8.00									
Prime Contractor's Bond	2.50									
13 Water Utility Contractor										
Prime Contractor's Field Overhead	10.00									
Prime's Home Office Expense	3.00									
Prime Contractor's Profit	8.00									
Prime Contractor's Bond	2.50									
14 Electric Utility Contractor										
Prime Contractor's Field Overhead	10.00									
Prime's Home Office Expense	3.00									
Prime Contractor's Profit	8.00									
Prime Contractor's Bond	2.50									
15 Transmission Line Contractor										
Prime Contractor's Field Overhead	10.00									
Prime's Home Office Expense	3.00									
Prime Contractor's Profit	8.00									
Prime Contractor's Bond	2.50									

\*\* CONTRACTOR SETTINGS \*\*

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	AMOUNT	PCT	PCT S	RISK	DIFF	SIZE	PERIOD	INVEST	ASSIST	SUBCON
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16 Valley Storage Contractor										
Prime Contractor's Field Overhead	10.00									
Prime's Home Office Expense	3.00									
Prime Contractor's Profit	8.00									
Prime Contractor's Bond	2.50									
17 Eco Restoration Contractor										
Prime Contractor's Field Overhead	10.00									
Prime's Home Office Expense	3.00									
Prime Contractor's Profit	8.00									
Prime Contractor's Bond	2.50									
18 Environmental Rem. Contractor										
Prime Contractor's Field Overhead	10.00									
Prime's Home Office Expense	3.00									
Prime Contractor's Profit	8.00									
Prime Contractor's Bond	2.50									
19 Stormwater Pumping Fac. Contr.										
Prime Contractor's Field Overhead	10.00									
Prime's Home Office Expense	3.00									
Prime Contractor's Profit	8.00									
Prime Contractor's Bond	2.50									

Category/ Description	Estimated Cost	Contingency	Total Estimated Cost
<b>01. Lands and Damages</b>			
01_5 Bypass Channel	\$ 46,000,000	\$ 4,600,000	\$ 50,600,000
01_10 Water Feature	\$ 500,000	\$ 50,000	\$ 550,000
01_15 Valley Storage	\$ 13,405,000	\$ 1,340,500	\$ 14,745,500
01_20 Marine Creek	\$ 400,000	\$ 40,000	\$ 440,000
01_25 Property Acquisition Assistance	\$ 6,265,000	\$ -	\$ 6,265,000
<b>Subtotal</b>	<b>\$ 66,570,000</b>	<b>\$ 6,030,500</b>	<b>\$ 72,600,500</b>
<b>02. Relocations</b>			
02_5 Land Owner Relocation	\$ 20,413,750	\$ 2,041,375	\$ 22,455,125
<b>Subtotal</b>	<b>\$ 20,413,750</b>	<b>\$ 2,041,375</b>	<b>\$ 22,455,125</b>
<b>03. Reservoirs</b>			
03_16 Valley Storage			
03_16.5 Riverbend	\$ 5,946,106	\$ 1,189,222	\$ 7,135,328
03_16.10 Samuel Ave Sites	\$ 2,441,590	\$ 488,318	\$ 2,929,908
03_16.15 I-35 Sites	\$ 2,534,527	\$ 506,905	\$ 3,041,432
03_16.20 University Drive	\$ 3,268,392	\$ 644,606	\$ 3,912,998
<b>Subtotal</b>	<b>\$ 14,190,615</b>	<b>\$ 2,829,051</b>	<b>\$ 17,019,666</b>
<b>04. Samuel Ave Dam</b>			
04 Samuel Avenue Dam	\$ 29,660,982	\$ 5,932,196	\$ 35,593,178
<b>Subtotal</b>	<b>\$ 29,660,982</b>	<b>\$ 5,932,196</b>	<b>\$ 35,593,178</b>
<b>06. Ecosystem Restoration</b>			
06_17 Eco-Restoration			
06_17.5 Riverbend	\$ 3,520,508	\$ 704,101	\$ 4,224,609
06_17.10 Rockwood	\$ 561,958	\$ 112,392	\$ 674,350
06_17.15 Samuel Avenue Sites	\$ 555,634	\$ 111,127	\$ 666,761
06_17.20 I-35 Sites	\$ 232,443	\$ 46,489	\$ 278,932
<b>Subtotal</b>	<b>\$ 4,870,543</b>	<b>\$ 974,109</b>	<b>\$ 5,844,652</b>
<b>08. Roads and Bridges</b>			
08_08 Henderson Bridge & Roadway	\$ 16,292,412	\$ 3,258,482	\$ 19,550,894
08_09 White Settlement Bridge & Roadway	\$ 13,194,346	\$ 2,638,869	\$ 15,833,215
08_10 Main St Bridge & Roadway	\$ 17,516,585	\$ 3,503,317	\$ 21,019,902
08_11 White Settlement Extension Bridge & Roadway	\$ 3,883,579	\$ 776,716	\$ 4,660,295
08_12 Street Modifications- General	\$ 2,498,806	\$ 499,761	\$ 2,998,567
<b>Subtotal</b>	<b>\$ 53,385,728</b>	<b>\$ 10,677,145</b>	<b>\$ 64,062,873</b>
<b>09. Channel- Bypass</b>			
09_05 Bypass Channel- North	\$ 13,469,997	\$ 2,693,999	\$ 16,163,996
09_06 Bypass Channel- South	\$ 19,566,469	\$ 3,913,294	\$ 23,479,763
<b>Subtotal</b>	<b>\$ 33,036,466</b>	<b>\$ 6,607,293</b>	<b>\$ 39,643,759</b>
<b>13. Stormwater Pumping Facility</b>			
13 Stormwater Pumping Facility	\$ 4,085,742	\$ 817,148	\$ 4,902,890
<b>Subtotal</b>	<b>\$ 4,085,742</b>	<b>\$ 817,148</b>	<b>\$ 4,902,890</b>
<b>14. Recreation Facilities- Water Feature</b>			
14_07 Water Feature			
14_07.5 Water Feature	\$ 8,952,560	\$ 1,790,512	\$ 10,743,072
14_07.10 Marine Creek	\$ 2,044,545	\$ 408,909	\$ 2,453,454
<b>Subtotal</b>	<b>\$ 10,997,105</b>	<b>\$ 2,199,421</b>	<b>\$ 13,196,526</b>
<b>15. Flood Control and Diversion Structures</b>			
15_5 Clear Fork	\$ 9,422,828	\$ 1,884,566	\$ 11,307,394
15_10 Trinity Point	\$ 9,461,447	\$ 1,892,289	\$ 11,353,736
15_15 TRWD	\$ 10,523,135	\$ 2,104,627	\$ 12,627,762
<b>Subtotal</b>	<b>\$ 29,407,410</b>	<b>\$ 5,881,482</b>	<b>\$ 35,288,892</b>
<b>19. Building Demolition and Utilities</b>			
19_02 Demolition	\$ 9,984,760	\$ 1,996,952	\$ 11,981,712
19_13 Utility Relocation- SS, W, SW	\$ 7,625,019	\$ 1,525,004	\$ 9,150,023
19_14 Utility Relocation- Elec & Comm	\$ 2,448,411	\$ 489,682	\$ 2,938,093
19_15 Transmission Line Relocation	\$ 7,547,835	\$ 1,509,567	\$ 9,057,402
<b>Subtotal</b>	<b>\$ 27,606,025</b>	<b>\$ 5,521,205</b>	<b>\$ 33,127,230</b>
<b>21. Design Survey, Testing, Legal Fees</b>			
21_05 Design Survey and Testing	\$ 4,598,350	\$ -	\$ 4,598,350
21_10 Legal Fees	\$ 3,500,000	\$ -	\$ 3,500,000
<b>Subtotal</b>	<b>\$ 8,098,350</b>	<b>\$ -</b>	<b>\$ 8,098,350</b>
<b>22. Program Management</b>			
22_5 Program Management	\$ 17,500,000	\$ -	\$ 17,500,000
<b>Subtotal</b>	<b>\$ 17,500,000</b>	<b>\$ -</b>	<b>\$ 17,500,000</b>
<b>30. Planning, Engineering, and Design</b>			
30-5 A/E Design Service	\$ 17,983,450	\$ -	\$ 17,983,450
30-10 Permitting	\$ 6,150,000	\$ -	\$ 6,150,000
<b>Subtotal</b>	<b>\$ 24,133,450</b>	<b>\$ -</b>	<b>\$ 24,133,450</b>
<b>31. Construction Management</b>			
31_5 Construction Management & Testing	\$ 16,728,000	\$ -	\$ 16,728,000
<b>Subtotal</b>	<b>\$ 16,728,000</b>	<b>\$ -</b>	<b>\$ 16,728,000</b>
<b>33. HTRW</b>			
33 HTRW	\$ 21,016,299	\$ 4,203,260	\$ 25,219,559
<b>Subtotal</b>	<b>\$ 21,016,299</b>	<b>\$ 4,203,260</b>	<b>\$ 25,219,559</b>
<b>TOTAL Fort Worth Central City</b>	<b>\$ 381,700,465</b>	<b>\$ 53,714,185</b>	<b>\$ 435,414,650</b>

\*\* PROJECT OWNER SUMMARY - Contract \*\*

	QUANTY	UOM	CONTRACT	CONTINGN	ESCALATN	TOTAL COST	UNIT	
01 Lands & Damages	1.00	EA	66,570,000	6,030,500	0	72,600,500	72600500	
02 Relocations	1.00	EA	20,413,750	2,041,375	0	22,455,125	22455125	
03 Reservoirs	1.00	EA	14,190,616	2,829,050	0	17,019,666	17019666	
04 Samuel Avenue Dam	1.00	EA	29,660,981	5,932,196	0	35,593,178	35593178	
06 Ecosystem Restoration	1.00	EA	4,870,543	974,109	0	5,844,651	5844651	
08 Roads and Bridges	1.00	EA	53,385,727	1,067,714	0	64,062,872	64062872	
09 Channel - Bypass	1.00	EA	33,036,466	6,607,293	0	39,643,760	39643760	
13 Stormwater Pumping Facility	1.00	EA	4,085,742	817,148	0	4,902,891	4902891	
14 Recreation Facilities	1.00	EA	10,997,105	2,199,421	0	13,196,526	13196526	
15 Flood Control & Diversion Struc.	1.00	EA	29,407,410	5,881,482	0	35,288,892	35288892	
19 Building Demolition & Utilities	1.00	EA	27,606,026	5,521,205	0	33,127,231	33127231	
21 Design Survey, Testing & Legal	1.00	EA	8,098,350	0	0	8,098,350	8098350	
22 Program Management	1.00	EA	17,500,000	0	0	17,500,000	17500000	
30 Planning, Engineering & Design	1.00	EA	24,133,450	0	0	24,133,450	24133450	
31 Construction Management	1.00	EA	16,728,000	0	0	16,728,000	16728000	
33 HTRW	1.00	EA	21,016,299	4,203,260	0	25,219,559	25219559	
TOTAL Fort Worth Central City			1.00	EA	381,700,465	53,714,185	0	435,414,650*****

\*\* PROJECT OWNER SUMMARY - Feature \*\*

		QUANTITY	UOM	CONTRACT	CONTINGN	ESCALATN	TOTAL COST	UNIT
-----								
01 Lands & Damages								
01_5	By-Pass Channel	1.00	EA	46,000,000	4,600,000	0	50,600,000	50600000
01_10	Water Feature	1.00	EA	500,000	50,000	0	550,000	550000
01_15	Valley Storage	1.00	EA	13,405,000	1,340,500	0	14,745,500	14745500
01_20	Marine Creek	1.00	EA	400,000	40,000	0	440,000	440000
01_25	Property Acquisition Assistance	1.00	EA	6,265,000	0	0	6,265,000	6265000
-----								
	TOTAL Lands & Damages	1.00	EA	66,570,000	6,030,500	0	72,600,500	72600500
02 Relocations								
02_5	Land Owner Relocation	1.00	EA	20,413,750	2,041,375	0	22,455,125	22455125
-----								
	TOTAL Relocations	1.00	EA	20,413,750	2,041,375	0	22,455,125	22455125
03 Reservoirs								
03_16	Valley Storage	1.00	EA	14,190,616	2,829,050	0	17,019,666	17019666
-----								
	TOTAL Reservoirs	1.00	EA	14,190,616	2,829,050	0	17,019,666	17019666
04 Samuel Avenue Dam								
04_02	Division 2 - Site Work	1.00	EA	3,897,025	779,405	0	4,676,430	4676430
04_03	Division 3 - Concrete	1.00	EA	13,363,408	2,672,682	0	16,036,090	16036090
04_09	Division 9 - Finishes	1.00	EA	438,981	87,796	0	526,777	526777
04_11	Division 11 - Equipment	1.00	EA	10,447,744	2,089,549	0	12,537,293	12537293
04_13	Division 13 - Special Const.	1.00	EA	834,565	166,913	0	1,001,478	1001478
04_16	Division 16 - Electrical	1.00	EA	553,835	110,767	0	664,602	664602
04_17	Division 17 - Instrumentation	1.00	EA	125,423	25,085	0	150,508	150508
-----								
	TOTAL Samuel Avenue Dam	1.00	EA	29,660,981	5,932,196	0	35,593,178	35593178
06 Ecosystem Restoration								
06_17	Eco-Restoration	1.00	EA	4,870,543	974,109	0	5,844,651	5844651
-----								
	TOTAL Ecosystem Restoration	1.00	EA	4,870,543	974,109	0	5,844,651	5844651
08 Roads and Bridges								
08_08	Henderson Bridge & Roadway	1.00	EA	16,292,412	3,258,482	0	19,550,894	19550894
08_09	White Settlement Bridge & Roadway	1.00	EA	13,194,346	2,638,869	0	15,833,215	15833215
08_10	Main Street Bridge & Roadway	1.00	EA	17,516,585	3,503,317	0	21,019,902	21019902

\*\* PROJECT OWNER SUMMARY - Feature \*\*

		QUANTY	UOM	CONTRACT	CONTINGN	ESCALATN	TOTAL COST	UNIT
08_11	White Settlement Extension B & R	1.00	EA	3,883,579	776,716	0	4,660,294	4660294
08_12	Street Modifications - General	1.00	EA	2,498,806	499,761	0	2,998,567	2998567
TOTAL Roads and Bridges		1.00	EA	53,385,727	10677145	0	64,062,87264062872	
09 Channel - Bypass								
09_05	Bypass Channel - North	1.00	EA	13,469,997	2,693,999	0	16,163,99716163997	
09_06	Bypass Channel - South	1.00	EA	19,566,469	3,913,294	0	23,479,76323479763	
TOTAL Channel - Bypass		1.00	EA	33,036,466	6,607,293	0	39,643,76039643760	
13 Stormwater Pumping Facility								
13_02	Division 2 - Site Work	1.00	EA	317,643	63,529	0	381,172	381172
13_03	Division 3 - Concrete	1.00	EA	1,153,125	230,625	0	1,383,750	1383750
13_04	Division 4 - Masonry	1.00	EA	22,540	4,508	0	27,048	27048
13_05	Division 5 - Metals	1.00	EA	235,620	47,124	0	282,745	282745
13_07	Division 7 - Thermal & Moisture	1.00	EA	13,408	2,682	0	16,089	16089
13_09	Division 9 - Finishes	1.00	EA	25,085	5,017	0	30,102	30102
13_11	Division 11 - Equipment	1.00	EA	1,429,823	285,965	0	1,715,788	1715788
13_14	Division 14 - Conveying Systems	1.00	EA	36,184	7,237	0	43,421	43421
13_15	Division 15 - Mechanical	1.00	EA	168,757	33,751	0	202,509	202509
13_16	Division 16 - Electrical	1.00	EA	507,964	101,593	0	609,556	609556
13_17	Division 17 - Instrumentation	1.00	EA	175,592	35,118	0	210,711	210711
TOTAL Stormwater Pumping Facility		1.00	EA	4,085,742	817,148	0	4,902,891	4902891
14 Recreation Facilities								
14_07	Water Feature	1.00	EA	10,997,105	2,199,421	0	13,196,52613196526	
TOTAL Recreation Facilities		1.00	EA	10,997,105	2,199,421	0	13,196,52613196526	
15 Flood Control & Diversion Struc.								
15_5	Clear Fork	1.00	EA	9,422,828	1,884,566	0	11,307,39411307394	
15_10	Trinity Point	1.00	EA	9,461,447	1,892,289	0	11,353,73611353736	
15_15	TRWD	1.00	EA	10,523,135	2,104,627	0	12,627,76212627762	
TOTAL Flood Control & Diversion Struc.		1.00	EA	29,407,410	5,881,482	0	35,288,89235288892	
19 Building Demolition & Utilities								
19_02	Demolition	1.00	EA	9,984,760	1,996,952	0	11,981,71211981712	
19_13	Utility Relocation - SS, W, SW	1.00	EA	7,625,019	1,525,004	0	9,150,023	9150023

\*\* PROJECT OWNER SUMMARY - Feature \*\*

		QUANTITY	UOM	CONTRACT	CONTINGN	ESCALATN	TOTAL COST	UNIT
19_14	Utility Relocation - Elec & Comm	1.00	EA	2,448,411	489,682	0	2,938,094	2938094
19_15	Transmission Line Relocation	1.00	EA	7,547,835	1,509,567	0	9,057,402	9057402
TOTAL Building Demolition & Utilities		1.00	EA	27,606,026	5,521,205	0	33,127,231	33127231
21 Design Survey, Testing & Legal								
21_5	Design Survey and Testing	1.00	EA	4,598,350	0	0	4,598,350	4598350
21_10	Legal Costs	1.00	EA	3,500,000	0	0	3,500,000	3500000
TOTAL Design Survey, Testing & Legal		1.00	EA	8,098,350	0	0	8,098,350	8098350
22 Program Management								
22_5	Program Management	1.00	EA	17,500,000	0	0	17,500,000	17500000
TOTAL Program Management		1.00	EA	17,500,000	0	0	17,500,000	17500000
30 Planning, Engineering & Design								
30_5	A/E Design Service	1.00	EA	17,983,450	0	0	17,983,450	17983450
30_10	Permitting	1.00	EA	6,150,000	0	0	6,150,000	6150000
TOTAL Planning, Engineering & Design		1.00	EA	24,133,450	0	0	24,133,450	24133450
31 Construction Management								
31_5	Const. Management & Testing	1.00	EA	16,728,000	0	0	16,728,000	16728000
TOTAL Construction Management		1.00	EA	16,728,000	0	0	16,728,000	16728000
33 HTRW								
33_01	Environmental Assessment	1.00	EA	1,259,550	251,910	0	1,511,460	1511460
33_02	Division 2 - Site Work	1.00	EA	15,128,583	3,025,717	0	18,154,300	18154300
33_11	Division 11 - Equipment	1.00	EA	1,931,516	386,303	0	2,317,819	2317819
33_20	Analytical Testing	1.00	EA	629,650	125,930	0	755,580	755580
33_21	Offsite Environmental Coord.	1.00	EA	2,067,000	413,400	0	2,480,400	2480400
TOTAL HTRW		1.00	EA	21,016,299	4,203,260	0	25,219,559	25219559
TOTAL Fort Worth Central City		1.00	EA	381,700,465	537,141,85	0	435,414,650	*****

\*\* PROJECT OWNER SUMMARY - Sub Feat \*\*

	QUANTY	UOM	CONTRACT	CONTINGN	ESCALATN	TOTAL COST	UNIT
01 Lands & Damages							
01_ 5	By-Pass Channel	1.00 EA	46,000,000	4,600,000	0	50,600,000	50600000
01_10	Water Feature	1.00 EA	500,000	50,000	0	550,000	550000
01_15	Valley Storage	1.00 EA	13,405,000	1,340,500	0	14,745,500	14745500
01_20	Marine Creek	1.00 EA	400,000	40,000	0	440,000	440000
01_25	Property Acquisition Assistance	1.00 EA	6,265,000	0	0	6,265,000	6265000
	TOTAL Lands & Damages	1.00 EA	66,570,000	6,030,500	0	72,600,500	72600500
02 Relocations							
02_5	Land Owner Relocation	1.00 EA	20,413,750	2,041,375	0	22,455,125	22455125
	TOTAL Relocations	1.00 EA	20,413,750	2,041,375	0	22,455,125	22455125
03 Reservoirs							
03_16 Valley Storage							
03_16. 5	Riverbend	1.00 EA	5,946,106	1,189,221	0	7,135,328	7135328
03_16.10	Samuel Avenue Sites	1.00 EA	2,441,590	488,318	0	2,929,908	2929908
03_16.15	I-35 Sites	1.00 EA	2,534,527	506,905	0	3,041,432	3041432
03_16.20	University Drive	1.00 EA	3,268,392	644,606	0	3,912,998	3912998
	TOTAL Valley Storage	1.00 EA	14,190,616	2,829,050	0	17,019,666	17019666
	TOTAL Reservoirs	1.00 EA	14,190,616	2,829,050	0	17,019,666	17019666
04 Samuel Avenue Dam							
04_02	Division 2 - Site Work	1.00 EA	3,897,025	779,405	0	4,676,430	4676430
04_03	Division 3 - Concrete	1.00 EA	13,363,408	2,672,682	0	16,036,090	16036090
04_09	Division 9 - Finishes	1.00 EA	438,981	87,796	0	526,777	526777
04_11	Division 11 - Equipment	1.00 EA	10,447,744	2,089,549	0	12,537,293	12537293
04_13	Division 13 - Special Const.	1.00 EA	834,565	166,913	0	1,001,478	1001478
04_16	Division 16 - Electrical	1.00 EA	553,835	110,767	0	664,602	664602
04_17	Division 17 - Instrumentation	1.00 EA	125,423	25,085	0	150,508	150508
	TOTAL Samuel Avenue Dam	1.00 EA	29,660,981	5,932,196	0	35,593,178	35593178
06 Ecosystem Restoration							
06_17 Eco-Restoration							
06_17. 5	Riverbend	1.00 EA	3,520,507	704,101	0	4,224,609	4224609



\*\* PROJECT OWNER SUMMARY - Sub Feat \*\*

		QUANTY	UOM	CONTRACT	CONTINGN	ESCALATN	TOTAL COST	UNIT
06_17.10	Rockwood	1.00	EA	561,958	112,392	0	674,350	674350
06_17.15	Samuel Avenue Sites	1.00	EA	555,634	111,127	0	666,760	666760
06_17.20	I-35 Sites	1.00	EA	232,443	46,489	0	278,932	278932
TOTAL Eco-Restoration		1.00	EA	4,870,543	974,109	0	5,844,651	5844651
TOTAL Ecosystem Restoration		1.00	EA	4,870,543	974,109	0	5,844,651	5844651
08 Roads and Bridges								
08_08 Henderson Bridge & Roadway								
08_08.02	Division 2 - Site Work	1.00	EA	1,764,968	352,994	0	2,117,961	2117961
08_08.03	Division 3 - Concrete	1.00	EA	14,527,444	2,905,489	0	17,432,933	17432933
TOTAL Henderson Bridge & Roadway		1.00	EA	16,292,412	3,258,482	0	19,550,894	19550894
08_09 White Settlement Bridge & Roadway								
08_09.02	Division 2 - Site Work	1.00	EA	1,381,661	276,332	0	1,657,993	1657993
08_09.03	Division 3 - Concrete	1.00	EA	11,812,685	2,362,537	0	14,175,221	14175221
TOTAL White Settlement Bridge & Roadway		1.00	EA	13,194,346	2,638,869	0	15,833,215	15833215
08_10 Main Street Bridge & Roadway								
08_10.02	Division 2 - Site Work	1.00	EA	782,447	156,489	0	938,936	938936
08_10.03	Division 3 - Concrete	1.00	EA	16,734,138	3,346,828	0	20,080,966	20080966
TOTAL Main Street Bridge & Roadway		1.00	EA	17,516,585	3,503,317	0	21,019,902	21019902
08_11 White Settlement Extension B & R								
08_11.02	Division 2 - Site Work	1.00	EA	1,113,108	222,622	0	1,335,729	1335729
08_11.03	Division 3 - Concrete	1.00	EA	2,770,471	554,094	0	3,324,565	3324565
TOTAL White Settlement Extension B & R		1.00	EA	3,883,579	776,716	0	4,660,294	4660294
08_12 Street Modifications - General								
08_12.02	Division 2 - Site Work	1.00	EA	1,808,979	361,796	0	2,170,774	2170774
08_12.16	Division 16 - Electrical	1.00	EA	689,827	137,965	0	827,792	827792
TOTAL Street Modifications - General		1.00	EA	2,498,806	499,761	0	2,998,567	2998567
TOTAL Roads and Bridges		1.00	EA	53,385,727	10,677,145	0	64,062,872	64062872

\*\* PROJECT OWNER SUMMARY - Sub Feat \*\*

		QUANTITY	UOM	CONTRACT	CONTINGN	ESCALATN	TOTAL COST	UNIT
09 Channel - Bypass								
09_05 Bypass Channel - North								
09_05.02	Division 2 - Site Work	1.00	EA	5,040,514	1,008,103	0	6,048,617	6048617
09_05.03	Division 3 - Concrete	1.00	EA	8,429,483	1,685,897	0	10,115,379	10115379
TOTAL Bypass Channel - North		1.00	EA	13,469,997	2,693,999	0	16,163,997	16163997
09_06 Bypass Channel - South								
09_06.02	Division 2 - Site Work	1.00	EA	6,516,737	1,303,347	0	7,820,084	7820084
09_06.03	Division 3 - Concrete	1.00	EA	13,049,733	2,609,947	0	15,659,679	15659679
TOTAL Bypass Channel - South		1.00	EA	19,566,469	3,913,294	0	23,479,763	23479763
TOTAL Channel - Bypass		1.00	EA	33,036,466	6,607,293	0	39,643,760	39643760
13 Stormwater Pumping Facility								
13_02	Division 2 - Site Work	1.00	EA	317,643	63,529	0	381,172	381172
13_03	Division 3 - Concrete	1.00	EA	1,153,125	230,625	0	1,383,750	1383750
13_04	Division 4 - Masonry	1.00	EA	22,540	4,508	0	27,048	27048
13_05	Division 5 - Metals	1.00	EA	235,620	47,124	0	282,745	282745
13_07	Division 7 - Thermal & Moisture	1.00	EA	13,408	2,682	0	16,089	16089
13_09	Division 9 - Finishes	1.00	EA	25,085	5,017	0	30,102	30102
13_11	Division 11 - Equipment	1.00	EA	1,429,823	285,965	0	1,715,788	1715788
13_14	Division 14 - Conveying Systems	1.00	EA	36,184	7,237	0	43,421	43421
13_15	Division 15 - Mechanical	1.00	EA	168,757	33,751	0	202,509	202509
13_16	Division 16 - Electrical	1.00	EA	507,964	101,593	0	609,556	609556
13_17	Division 17 - Instrumentation	1.00	EA	175,592	35,118	0	210,711	210711
TOTAL Stormwater Pumping Facility		1.00	EA	4,085,742	817,148	0	4,902,891	4902891
14 Recreation Facilities								
14_07 Water Feature								
14_07.5	Water Feature	1.00	EA	8,952,560	1,790,512	0	10,743,072	10743072
14_07.10	Marine Creek	1.00	EA	2,044,545	408,909	0	2,453,455	2453455
TOTAL Water Feature		1.00	EA	10,997,105	2,199,421	0	13,196,526	13196526
TOTAL Recreation Facilities		1.00	EA	10,997,105	2,199,421	0	13,196,526	13196526
15 Flood Control & Diversion Struc.								

\*\* PROJECT OWNER SUMMARY - Sub Feat \*\*

		QUANTY	UOM	CONTRACT	CONTINGN	ESCALATN	TOTAL COST	UNIT
-----								
15_ 5 Clear Fork								
15_ 5.02	Division 2 - Site Work	1.00	EA	1,447,766	289,553	0	1,737,320	1737320
15_ 5.03	Division 3 - Concrete	1.00	EA	2,587,653	517,531	0	3,105,183	3105183
15_ 5.05	Division 5 - Metals	1.00	EA	15,036	3,007	0	18,043	18043
15_ 5.09	Division 9 - Finishes	1.00	EA	1,392,196	278,439	0	1,670,636	1670636
15_ 5.11	Division 11 - Equipment	1.00	EA	3,521,881	704,376	0	4,226,257	4226257
15_ 5.13	Division 13 - Special Const.	1.00	EA	13,044	2,609	0	15,653	15653
15_ 5.16	Division 16 - Electrical	1.00	EA	420,167	84,033	0	504,201	504201
15_ 5.17	Division 17 - Instrumentation	1.00	EA	25,085	5,017	0	30,102	30102
-----								
	TOTAL Clear Fork	1.00	EA	9,422,828	1,884,566	0	11,307,394	11307394
15_10 Trinity Point								
15_10.02	Division 2 - Site Work	1.00	EA	1,409,294	281,859	0	1,691,153	1691153
15_10.03	Division 3 - Concrete	1.00	EA	1,611,787	322,357	0	1,934,145	1934145
15_10.05	Division 5 - Metals	1.00	EA	15,818	3,164	0	18,981	18981
15_10.09	Division 9 - Finishes	1.00	EA	1,392,196	278,439	0	1,670,636	1670636
15_10.11	Division 11 - Equipment	1.00	EA	4,569,164	913,833	0	5,482,996	5482996
15_10.13	Division 13 - Special Const.	1.00	EA	17,936	3,587	0	21,523	21523
15_10.16	Division 16 - Electrical	1.00	EA	420,167	84,033	0	504,201	504201
15_10.17	Division 17 - Instrumentation	1.00	EA	25,085	5,017	0	30,102	30102
15_10.27								
-----								
	TOTAL Trinity Point	1.00	EA	9,461,447	1,892,289	0	11,353,736	11353736
15_15 TRWD								
15_15.02	Division 2 - Site Work	1.00	EA	1,870,475	374,095	0	2,244,570	2244570
15_15.03	Division 3 - Concrete	1.00	EA	3,464,917	692,983	0	4,157,900	4157900
15_15.05	Division 5 - Metals	1.00	EA	15,551	3,110	0	18,662	18662
15_15.08	Division 8 - Doors & Windows	1.00	EA	496	99	0	595	595.40
15_15.09	Division 9 - Finishes	1.00	EA	1,392,196	278,439	0	1,670,636	1670636
15_15.11	Division 11 - Equipment	1.00	EA	3,521,881	704,376	0	4,226,257	4226257
15_15.13	Division 13 - Special Const.	1.00	EA	13,044	2,609	0	15,653	15653
15_15.16	Division 16 - Electrical	1.00	EA	219,490	43,898	0	263,389	263389
15_15.17	Division 17 - Instrumentation	1.00	EA	25,085	5,017	0	30,102	30102
15_15.22								
-----								
	TOTAL TRWD	1.00	EA	10,523,135	2,104,627	0	12,627,762	12627762
-----								
	TOTAL Flood Control & Diversion Struc.	1.00	EA	29,407,410	5,881,482	0	35,288,892	35288892
19 Building Demolition & Utilities								
19_02 Demolition								

\*\* PROJECT OWNER SUMMARY - Sub Feat \*\*

		QUANTITY	UOM	CONTRACT	CONTINGN	ESCALATN	TOTAL COST	UNIT
19_02.02	Division 2 - Site Work	1.00	EA	9,984,760	1,996,952	0	11,981,712	11981712
	TOTAL Demolition	1.00	EA	9,984,760	1,996,952	0	11,981,712	11981712
19_13	Utility Relocation - SS, W, SW							
19_13.02	Division 2 - Site Work	1.00	EA	1,641,470	328,294	0	1,969,764	1969764
19_13.11	Division 11 - Equipment	1.00	EA	125,423	25,085	0	150,508	150508
19_13.15	Division 15 - Mechanical	1.00	EA	5,858,126	1,171,625	0	7,029,751	7029751
	TOTAL Utility Relocation - SS, W, SW	1.00	EA	7,625,019	1,525,004	0	9,150,023	9150023
19_14	Utility Relocation - Elec & Comm							
19_14.02	Division 2 - Site Work	1.00	EA	746,375	149,275	0	895,650	895650
19_14.16	Division 16 - Electrical	1.00	EA	1,702,037	340,407	0	2,042,444	2042444
	TOTAL Utility Relocation - Elec & Comm	1.00	EA	2,448,411	489,682	0	2,938,094	2938094
19_15	Transmission Line Relocation							
19_15.02	Division 2 - Site Work	1.00	EA	22,449	4,490	0	26,939	26939
19_15.16	Division 16 - Electrical	1.00	EA	7,525,386	1,505,077	0	9,030,463	9030463
	TOTAL Transmission Line Relocation	1.00	EA	7,547,835	1,509,567	0	9,057,402	9057402
	TOTAL Building Demolition & Utilities	1.00	EA	27,606,026	5,521,205	0	33,127,231	33127231
21	Design Survey, Testing & Legal							
21_5	Design Survey and Testing	1.00	EA	4,598,350	0	0	4,598,350	4598350
21_10	Legal Costs	1.00	EA	3,500,000	0	0	3,500,000	3500000
	TOTAL Design Survey, Testing & Legal	1.00	EA	8,098,350	0	0	8,098,350	8098350
22	Program Management							
22_5	Program Management	1.00	EA	17,500,000	0	0	17,500,000	17500000
	TOTAL Program Management	1.00	EA	17,500,000	0	0	17,500,000	17500000
30	Planning, Engineering & Design							
30_5	A/E Design Service	1.00	EA	17,983,450	0	0	17,983,450	17983450

\*\* PROJECT OWNER SUMMARY - Sub Feat \*\*

		QUANTY	UOM	CONTRACT	CONTINGN	ESCALATN	TOTAL COST	UNIT
30_10	Permitting	1.00	EA	6,150,000	0	0	6,150,000	6150000
TOTAL Planning, Engineering & Design		1.00	EA	24,133,450	0	0	24,133,450	24133450
31	Construction Management							
31_5	Const. Management & Testing	1.00	EA	16,728,000	0	0	16,728,000	16728000
TOTAL Construction Management		1.00	EA	16,728,000	0	0	16,728,000	16728000
33	HTRW							
33_01	Environmental Assessment	1.00	EA	1,259,550	251,910	0	1,511,460	1511460
33_02	Division 2 - Site Work	1.00	EA	15,128,583	3,025,717	0	18,154,300	18154300
33_11	Division 11 - Equipment	1.00	EA	1,931,516	386,303	0	2,317,819	2317819
33_20	Analytical Testing	1.00	EA	629,650	125,930	0	755,580	755580
33_21	Offsite Environmental Coord.	1.00	EA	2,067,000	413,400	0	2,480,400	2480400
TOTAL HTRW		1.00	EA	21,016,299	4,203,260	0	25,219,559	25219559
TOTAL Fort Worth Central City		1.00	EA	381,700,465	53714185	0	435,414,650	*****

\*\* PROJECT OWNER SUMMARY - Element \*\*

		QUANTY	UOM	CONTRACT	CONTINGN	ESCALATN	TOTAL COST	UNIT	
-----									
01 Lands & Damages									
01_5	By-Pass Channel	1.00	EA	46,000,000	4,600,000	0	50,600,000	50600000	
01_10	Water Feature	1.00	EA	500,000	50,000	0	550,000	550000	
01_15	Valley Storage	1.00	EA	13,405,000	1,340,500	0	14,745,500	14745500	
01_20	Marine Creek	1.00	EA	400,000	40,000	0	440,000	440000	
01_25	Property Acquisition Assistance	1.00	EA	6,265,000	0	0	6,265,000	6265000	
TOTAL Lands & Damages				1.00	EA	66,570,000	6,030,500	0 72,600,500	72600500
-----									
02 Relocations									
02_5	Land Owner Relocation	1.00	EA	20,413,750	2,041,375	0	22,455,125	22455125	
TOTAL Relocations				1.00	EA	20,413,750	2,041,375	0 22,455,125	22455125
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03 Reservoirs									
03_16 Valley Storage									
03_16.5 Riverbend									
03_16.5.02	Division 2 - Site Work	1.00	EA	5,438,468	1,087,694	0	6,526,161	6526161	
03_16.5.03	Division 3 - Concrete	1.00	EA	25,657	5,131	0	30,788	30788	
03_16.5.05	Division 5 - Metals	1.00	EA	6,242	1,248	0	7,490	7489.88	
03_16.5.11	Division 11 - Equipment	1.00	EA	43,146	8,629	0	51,775	51775	
03_16.5.15	Division 15 - Mechanical	1.00	EA	420,053	84,011	0	504,063	504063	
03_16.5.16	Division 16 - Electrical	1.00	EA	12,542	2,508	0	15,051	15051	
03_16.5.21									
TOTAL Riverbend				1.00	EA	5,946,106	1,189,221	0 7,135,328	7135328
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03_16.10 Samuel Avenue Sites									
03_16.10.02	Division 2 - Site Work	1.00	EA	2,430,502	486,100	0	2,916,603	2916603	
03_16.10.15	Division 15 - Mechanical	1.00	EA	11,088	2,218	0	13,305	13305	
TOTAL Samuel Avenue Sites				1.00	EA	2,441,590	488,318	0 2,929,908	2929908
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03_16.15 I-35 Sites									
03_16.15.02	Division 2 - Site Work	1.00	EA	2,518,196	503,639	0	3,021,835	3021835	
03_16.15.16	Division 16 - Electrical	1.00	EA	16,331	3,266	0	19,597	19597	
TOTAL I-35 Sites				1.00	EA	2,534,527	506,905	0 3,041,432	3041432
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\*\* PROJECT OWNER SUMMARY - Element \*\*

		QUANTY	UOM	CONTRACT	CONTINGN	ESCALATN	TOTAL COST	UNIT		
-----										
03_16.20 University Drive										
03_16.20.02	Division 2 - Site Work	1.00	EA	1,906,393	381,279	0	2,287,671	2287671		
03_16.20.03	Division 3 - Concrete	1.00	EA	503,856	100,771	0	604,627	604627		
03_16.20.05	Division 5 - Metals	1.00	EA	45,363	0	0	45,363	45363		
03_16.20.15	Division 15 - Mechanical	1.00	EA	436,511	87,302	0	523,813	523813		
03_16.20.16	Division 16 - Electrical	1.00	EA	376,269	75,254	0	451,523	451523		
TOTAL University Drive				1.00	EA	3,268,392	644,606	0	3,912,998	3912998
TOTAL Valley Storage				1.00	EA	14,190,616	2,829,050	0	17,019,666	17019666
TOTAL Reservoirs				1.00	EA	14,190,616	2,829,050	0	17,019,666	17019666
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04 Samuel Avenue Dam										
04_02	Division 2 - Site Work	1.00	EA	3,897,025	779,405	0	4,676,430	4676430		
04_03	Division 3 - Concrete	1.00	EA	13,363,408	2,672,682	0	16,036,090	16036090		
04_09	Division 9 - Finishes	1.00	EA	438,981	87,796	0	526,777	526777		
04_11	Division 11 - Equipment	1.00	EA	10,447,744	2,089,549	0	12,537,293	12537293		
04_13	Division 13 - Special Const.	1.00	EA	834,565	166,913	0	1,001,478	1001478		
04_16	Division 16 - Electrical	1.00	EA	553,835	110,767	0	664,602	664602		
04_17	Division 17 - Instrumentation	1.00	EA	125,423	25,085	0	150,508	150508		
TOTAL Samuel Avenue Dam				1.00	EA	29,660,981	5,932,196	0	35,593,178	35593178
-----										
06 Ecosystem Restoration										
06_17 Eco-Restoration										
06_17. 5 Riverbend										
06_17. 5.02	Division 2 - Site Work	1.00	EA	3,520,507	704,101	0	4,224,609	4224609		
TOTAL Riverbend				1.00	EA	3,520,507	704,101	0	4,224,609	4224609
-----										
06_17.10 Rockwood										
06_17.10.02	Division 2 - Site Work	1.00	EA	561,958	112,392	0	674,350	674350		
TOTAL Rockwood				1.00	EA	561,958	112,392	0	674,350	674350
-----										
06_17.15 Samuel Avenue Sites										
06_17.15.02	Division 2 - Site Work	1.00	EA	555,634	111,127	0	666,760	666760		
TOTAL Samuel Avenue Sites				1.00	EA	555,634	111,127	0	666,760	666760

\*\* PROJECT OWNER SUMMARY - Element \*\*

		QUANTY	UOM	CONTRACT	CONTINGN	ESCALATN	TOTAL COST	UNIT
-----								
06_17.20	I-35 Sites							
06_17.20.02	Division 2 - Site Work	1.00	EA	232,443	46,489	0	278,932	278932
	TOTAL I-35 Sites	1.00	EA	232,443	46,489	0	278,932	278932
	TOTAL Eco-Restoration	1.00	EA	4,870,543	974,109	0	5,844,651	5844651
	TOTAL Ecosystem Restoration	1.00	EA	4,870,543	974,109	0	5,844,651	5844651
-----								
08	Roads and Bridges							
08_08	Henderson Bridge & Roadway							
08_08.02	Division 2 - Site Work	1.00	EA	1,764,968	352,994	0	2,117,961	2117961
08_08.03	Division 3 - Concrete	1.00	EA	14,527,444	2,905,489	0	17,432,933	17432933
	TOTAL Henderson Bridge & Roadway	1.00	EA	16,292,412	3,258,482	0	19,550,894	19550894
08_09	White Settlement Bridge & Roadway							
08_09.02	Division 2 - Site Work	1.00	EA	1,381,661	276,332	0	1,657,993	1657993
08_09.03	Division 3 - Concrete	1.00	EA	11,812,685	2,362,537	0	14,175,222	14175222
	TOTAL White Settlement Bridge & Roadway	1.00	EA	13,194,346	2,638,869	0	15,833,215	15833215
08_10	Main Street Bridge & Roadway							
08_10.02	Division 2 - Site Work	1.00	EA	782,447	156,489	0	938,936	938936
08_10.03	Division 3 - Concrete	1.00	EA	16,734,138	3,346,828	0	20,080,966	20080966
	TOTAL Main Street Bridge & Roadway	1.00	EA	17,516,585	3,503,317	0	21,019,902	21019902
08_11	White Settlement Extension B & R							
08_11.02	Division 2 - Site Work	1.00	EA	1,113,108	222,622	0	1,335,729	1335729
08_11.03	Division 3 - Concrete	1.00	EA	2,770,471	554,094	0	3,324,565	3324565
	TOTAL White Settlement Extension B & R	1.00	EA	3,883,579	776,716	0	4,660,294	4660294
08_12	Street Modifications - General							
08_12.02	Division 2 - Site Work	1.00	EA	1,808,979	361,796	0	2,170,774	2170774
08_12.16	Division 16 - Electrical	1.00	EA	689,827	137,965	0	827,792	827792
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\*\* PROJECT OWNER SUMMARY - Element \*\*

	QUANTY	UOM	CONTRACT	CONTINGN	ESCALATN	TOTAL COST	UNIT
TOTAL Street Modifications - General	1.00	EA	2,498,806	499,761	0	2,998,567	2998567
TOTAL Roads and Bridges	1.00	EA	53,385,727	10677145	0	64,062,872	64062872
09 Channel - Bypass							
09_05 Bypass Channel - North							
09_05.02 Division 2 - Site Work	1.00	EA	5,040,514	1,008,103	0	6,048,617	6048617
TOTAL Division 2 - Site Work	1.00	EA	5,040,514	1,008,103	0	6,048,617	6048617
09_05.03 Division 3 - Concrete							
09_05.03.5 Lower Wall	1.00	EA	3,027,894	605,579	0	3,633,473	3633473
09_05.03.10 Middle Wall	1.00	EA	2,206,506	441,301	0	2,647,807	2647807
09_05.03.15 Upper Wall	1.00	EA	3,195,083	639,017	0	3,834,100	3834100
TOTAL Division 3 - Concrete	1.00	EA	8,429,483	1,685,897	0	10,115,379	10115379
TOTAL Bypass Channel - North	1.00	EA	13,469,997	2,693,999	0	16,163,997	16163997
09_06 Bypass Channel - South							
09_06.02 Division 2 - Site Work	1.00	EA	6,516,737	1,303,347	0	7,820,084	7820084
TOTAL Division 2 - Site Work	1.00	EA	6,516,737	1,303,347	0	7,820,084	7820084
09_06.03 Division 3 - Concrete							
09_06.03.5 Lower Wall	1.00	EA	4,011,289	802,258	0	4,813,547	4813547
09_06.03.10 Middle Wall	1.00	EA	2,925,016	585,003	0	3,510,019	3510019
09_06.03.15 Upper Wall	1.00	EA	4,232,081	846,416	0	5,078,497	5078497
09_06.03.20 Pedestrian Crossings	1.00	EA	1,881,347	376,269	0	2,257,616	2257616
TOTAL Division 3 - Concrete	1.00	EA	13,049,733	2,609,947	0	15,659,679	15659679
TOTAL Bypass Channel - South	1.00	EA	19,566,469	3,913,294	0	23,479,763	23479763
TOTAL Channel - Bypass	1.00	EA	33,036,466	6,607,293	0	39,643,760	39643760
13 Stormwater Pumping Facility							
13_02 Division 2 - Site Work	1.00	EA	317,643	63,529	0	381,172	381172
13_03 Division 3 - Concrete	1.00	EA	1,153,125	230,625	0	1,383,750	1383750
13_04 Division 4 - Masonry	1.00	EA	22,540	4,508	0	27,048	27048

\*\* PROJECT OWNER SUMMARY - Element \*\*

		QUANTY	UOM	CONTRACT	CONTINGN	ESCALATN	TOTAL COST	UNIT
13_05	Division 5 - Metals	1.00	EA	235,620	47,124	0	282,745	282745
13_07	Division 7 - Thermal & Moisture	1.00	EA	13,408	2,682	0	16,089	16089
13_09	Division 9 - Finishes	1.00	EA	25,085	5,017	0	30,102	30102
13_11	Division 11 - Equipment	1.00	EA	1,429,823	285,965	0	1,715,788	1715788
13_14	Division 14 - Conveying Systems	1.00	EA	36,184	7,237	0	43,421	43421
13_15	Division 15 - Mechanical	1.00	EA	168,757	33,751	0	202,509	202509
13_16	Division 16 - Electrical	1.00	EA	507,964	101,593	0	609,556	609556
13_17	Division 17 - Instrumentation	1.00	EA	175,592	35,118	0	210,711	210711
TOTAL Stormwater Pumping Facility		1.00	EA	4,085,742	817,148	0	4,902,891	4902891
14 Recreation Facilities								
14_07 Water Feature								
14_07. 5 Water Feature								
14_07. 5.02	Division 2 - Site Work	1.00	EA	2,404,659	480,932	0	2,885,591	2885591
14_07. 5.03	Division 3 - Concrete	1.00	EA	5,105,535	1,021,107	0	6,126,643	6126643
14_07. 5.11	Division 11 - Equipment	1.00	EA	376,269	75,254	0	451,523	451523
14_07. 5.15	Division 15 - Mechanical	1.00	EA	438,981	87,796	0	526,777	526777
14_07. 5.16	Division 16 - Electrical	1.00	EA	627,116	125,423	0	752,539	752539
TOTAL Water Feature		1.00	EA	8,952,560	1,790,512	0	10,743,072	10743072
14_07.10 Marine Creek								
14_07.10.02	Division 2 - Site Work	1.00	EA	541,953	108,391	0	650,344	650344
14_07.10.03	Division 3 - Concrete	1.00	EA	1,377,169	275,434	0	1,652,603	1652603
14_07.10.16	Division 16 - Electrical	1.00	EA	125,423	25,085	0	150,508	150508
TOTAL Marine Creek		1.00	EA	2,044,545	408,909	0	2,453,455	2453455
TOTAL Water Feature		1.00	EA	10,997,105	2,199,421	0	13,196,526	13196526
TOTAL Recreation Facilities		1.00	EA	10,997,105	2,199,421	0	13,196,526	13196526
15 Flood Control & Diversion Struc.								
15_ 5 Clear Fork								
15_ 5.02	Division 2 - Site Work	1.00	EA	1,447,766	289,553	0	1,737,320	1737320
15_ 5.03	Division 3 - Concrete	1.00	EA	2,587,653	517,531	0	3,105,183	3105183
15_ 5.05	Division 5 - Metals	1.00	EA	15,036	3,007	0	18,043	18043
15_ 5.09	Division 9 - Finishes	1.00	EA	1,392,196	278,439	0	1,670,636	1670636
15_ 5.11	Division 11 - Equipment	1.00	EA	3,521,881	704,376	0	4,226,257	4226257
15_ 5.13	Division 13 - Special Const.	1.00	EA	13,044	2,609	0	15,653	15653
15_ 5.16	Division 16 - Electrical	1.00	EA	420,167	84,033	0	504,201	504201

\*\* PROJECT OWNER SUMMARY - Element \*\*

		QUANTITY	UOM	CONTRACT	CONTINGN	ESCALATN	TOTAL COST	UNIT
15_5.17	Division 17 - Instrumentation	1.00	EA	25,085	5,017	0	30,102	30102
TOTAL Clear Fork		1.00	EA	9,422,828	1,884,566	0	11,307,394	11307394
15_10 Trinity Point								
15_10.02	Division 2 - Site Work	1.00	EA	1,409,294	281,859	0	1,691,153	1691153
15_10.03	Division 3 - Concrete	1.00	EA	1,611,787	322,357	0	1,934,145	1934145
15_10.05	Division 5 - Metals	1.00	EA	15,818	3,164	0	18,981	18981
15_10.09	Division 9 - Finishes	1.00	EA	1,392,196	278,439	0	1,670,636	1670636
15_10.11	Division 11 - Equipment	1.00	EA	4,569,164	913,833	0	5,482,996	5482996
15_10.13	Division 13 - Special Const.	1.00	EA	17,936	3,587	0	21,523	21523
15_10.16	Division 16 - Electrical	1.00	EA	420,167	84,033	0	504,201	504201
15_10.17	Division 17 - Instrumentation	1.00	EA	25,085	5,017	0	30,102	30102
15_10.27								
TOTAL Trinity Point		1.00	EA	9,461,447	1,892,289	0	11,353,736	11353736
15_15 TRWD								
15_15.02	Division 2 - Site Work	1.00	EA	1,870,475	374,095	0	2,244,570	2244570
15_15.03	Division 3 - Concrete	1.00	EA	3,464,917	692,983	0	4,157,900	4157900
15_15.05	Division 5 - Metals	1.00	EA	15,551	3,110	0	18,662	18662
15_15.08	Division 8 - Doors & Windows	1.00	EA	496	99	0	595	595.40
15_15.09	Division 9 - Finishes	1.00	EA	1,392,196	278,439	0	1,670,636	1670636
15_15.11	Division 11 - Equipment	1.00	EA	3,521,881	704,376	0	4,226,257	4226257
15_15.13	Division 13 - Special Const.	1.00	EA	13,044	2,609	0	15,653	15653
15_15.16	Division 16 - Electrical	1.00	EA	219,490	43,898	0	263,389	263389
15_15.17	Division 17 - Instrumentation	1.00	EA	25,085	5,017	0	30,102	30102
15_15.22								
TOTAL TRWD		1.00	EA	10,523,135	2,104,627	0	12,627,762	12627762
TOTAL Flood Control & Diversion Struc.		1.00	EA	29,407,410	5,881,482	0	35,288,892	35288892
19 Building Demolition & Utilities								
19_02 Demolition								
19_02.02 Division 2 - Site Work								
19_02.02.5	Paving - Asphalt	1.00	EA	729,862	145,972	0	875,835	875835
19_02.02.10	Paving - Concrete	1.00	EA	1,319,215	263,843	0	1,583,058	1583058
19_02.02.15	Building Demolition	1.00	EA	7,433,990	1,486,798	0	8,920,788	8920788
19_02.02.20	Miscellaneous	1.00	EA	501,692	100,338	0	602,031	602031
TOTAL Division 2 - Site Work		1.00	EA	9,984,760	1,996,952	0	11,981,712	11981712

\*\* PROJECT OWNER SUMMARY - Element \*\*

	QUANTY	UOM	CONTRACT	CONTINGN	ESCALATN	TOTAL COST	UNIT
TOTAL Demolition	1.00	EA	9,984,760	1,996,952	0	11,981,712	11981712
19_13 Utility Relocation - SS, W, SW							
19_13.02 Division 2 - Site Work							
19_13.02. 5 Sanitary Sewer	1.00	EA	681,675	136,335	0	818,009	818009
19_13.02.10 Water Mains	1.00	EA	284,522	56,904	0	341,427	341427
19_13.02.15 Storm Sewer	1.00	EA	456,415	91,283	0	547,698	547698
19_13.02.20 Gas Distribution & Transmission	1.00	EA	184,497	36,899	0	221,397	221397
19_13.02.25 Outfall Collection System	1.00	EA	34,362	6,872	0	41,234	41234
TOTAL Division 2 - Site Work	1.00	EA	1,641,470	328,294	0	1,969,764	1969764
19_13.11 Division 11 - Equipment	1.00	EA	125,423	25,085	0	150,508	150508
19_13.15 Division 15 - Mechanical							
19_13.15. 5 Sanitary Sewer	1.00	EA	4,386,173	877,235	0	5,263,408	5263408
19_13.15.10 Water Mains	1.00	EA	447,434	89,487	0	536,921	536921
19_13.15.15 Storm Sewer	1.00	EA	179,606	35,921	0	215,527	215527
19_13.15.20 Gas Distribution & Transmission	1.00	EA	844,913	168,983	0	1,013,895	1013895
TOTAL Division 15 - Mechanical	1.00	EA	5,858,126	1,171,625	0	7,029,751	7029751
TOTAL Utility Relocation - SS, W, SW	1.00	EA	7,625,019	1,525,004	0	9,150,023	9150023
19_14 Utility Relocation - Elec & Comm							
19_14.02 Division 2 - Site Work							
19_14.02. 5 Electrical	1.00	EA	144,344	28,869	0	173,213	173213
19_14.02.10 Cable	1.00	EA	15,051	3,010	0	18,061	18061
19_14.02.15 Fiber Optic	1.00	EA	298,507	59,701	0	358,208	358208
19_14.02.20 Miscellaneous	1.00	EA	288,473	57,695	0	346,168	346168
TOTAL Division 2 - Site Work	1.00	EA	746,375	149,275	0	895,650	895650
19_14.16 Division 16 - Electrical							
19_14.16. 5 Electrical	1.00	EA	657,990	131,598	0	789,588	789588
19_14.16.10 Cable	1.00	EA	21,126	4,225	0	25,352	25352
19_14.16.15 Fiber Optic	1.00	EA	29,400	5,880	0	35,280	35280
19_14.16.20 Telephone	1.00	EA	240,982	48,196	0	289,178	289178
19_14.16.25 Miscellaneous	1.00	EA	752,539	150,508	0	903,046	903046
TOTAL Division 16 - Electrical	1.00	EA	1,702,037	340,407	0	2,042,444	2042444

\*\* PROJECT OWNER SUMMARY - Element \*\*

	QUANTY	UOM	CONTRACT	CONTINGN	ESCALATN	TOTAL COST	UNIT
TOTAL Utility Relocation - Elec & Comm	1.00	EA	2,448,411	489,682	0	2,938,094	2938094
19_15 Transmission Line Relocation							
19_15.02 Division 2 - Site Work	1.00	EA	22,449	4,490	0	26,939	26939
19_15.16 Division 16 - Electrical	1.00	EA	7,525,386	1,505,077	0	9,030,463	9030463
TOTAL Transmission Line Relocation	1.00	EA	7,547,835	1,509,567	0	9,057,402	9057402
TOTAL Building Demolition & Utilities	1.00	EA	27,606,026	5,521,205	0	33,127,231	33127231
21 Design Survey, Testing & Legal							
21_5 Design Survey and Testing	1.00	EA	4,598,350	0	0	4,598,350	4598350
21_10 Legal Costs	1.00	EA	3,500,000	0	0	3,500,000	3500000
TOTAL Design Survey, Testing & Legal	1.00	EA	8,098,350	0	0	8,098,350	8098350
22 Program Management							
22_5 Program Management	1.00	EA	17,500,000	0	0	17,500,000	17500000
TOTAL Program Management	1.00	EA	17,500,000	0	0	17,500,000	17500000
30 Planning, Engineering & Design							
30_5 A/E Design Service	1.00	EA	17,983,450	0	0	17,983,450	17983450
30_10 Permitting	1.00	EA	6,150,000	0	0	6,150,000	6150000
TOTAL Planning, Engineering & Design	1.00	EA	24,133,450	0	0	24,133,450	24133450
31 Construction Management							
31_5 Const. Management & Testing	1.00	EA	16,728,000	0	0	16,728,000	16728000
TOTAL Construction Management	1.00	EA	16,728,000	0	0	16,728,000	16728000
33 HTRW							
33_01 Environmental Assessment	1.00	EA	1,259,550	251,910	0	1,511,460	1511460
33_02 Division 2 - Site Work	1.00	EA	15,128,583	3,025,717	0	18,154,300	18154300
33_11 Division 11 - Equipment	1.00	EA	1,931,516	386,303	0	2,317,819	2317819
33_20 Analytical Testing	1.00	EA	629,650	125,930	0	755,580	755580
33_21 Offsite Environmental Coord.	1.00	EA	2,067,000	413,400	0	2,480,400	2480400

\*\* PROJECT OWNER SUMMARY - Element \*\*

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	QUANTITY	UOM	CONTRACT	CONTINGN	ESCALATN	TOTAL COST	UNIT
TOTAL HTRW	1.00	EA	21,016,299	4,203,260	0	25,219,559	25219559
TOTAL Fort Worth Central City	1.00	EA	381,700,465	53714185	0	435,414,650	*****

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\*\* PROJECT INDIRECT SUMMARY - Contract \*\*

	QUANTY	UOM	DIRECT	FIELD OH	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT
01	1.00	EA	66,570,000	0	0	0	0	66,570,000	66570000
02	1.00	EA	20,413,750	0	0	0	0	20,413,750	20413750
03	1.00	EA	11,314,196	1,131,420	373,368	1,025,519	346,113	14,190,616	14190616
04	1.00	EA	23,648,739	2,364,874	780,408	2,143,522	723,439	29,660,981	29660981
06	1.00	EA	3,883,290	388,329	128,149	351,981	118,794	4,870,543	4870543
08	1.00	EA	42,564,509	4,256,451	1,404,629	3,858,047	1,302,091	53,385,727	53385727
09	1.00	EA	26,340,017	2,634,002	869,221	2,387,459	805,767	33,036,466	33036466
13	1.00	EA	3,257,568	325,757	107,500	295,266	99,652	4,085,742	4085742
14	1.00	EA	8,768,006	876,801	289,344	794,732	268,222	10,997,105	10997105
15	1.00	EA	23,446,566	2,344,657	773,737	2,125,197	717,254	29,407,410	29407410
19	1.00	EA	22,010,320	2,201,032	726,341	1,995,015	673,318	27,606,026	27606026
21	1.00	EA	8,098,350	0	0	0	0	8,098,350	8098350
22	1.00	EA	17,500,000	0	0	0	0	17,500,000	17500000
30	1.00	EA	24,133,450	0	0	0	0	24,133,450	24133450
31	1.00	EA	16,728,000	0	0	0	0	16,728,000	16728000
33	1.00	EA	17,558,239	1,360,204	448,867	1,232,889	416,100	21,016,299	21016299
Fort Worth Central City			336,235,001	17883525	5,901,563	16209627	5,470,749	381,700,465	*****
Contingency								53,714,185	
TOTAL INCL OWNER COSTS								435,414,650	

\*\* PROJECT INDIRECT SUMMARY - Feature \*\*

		QUANTY	UOM	DIRECT	FIELD OH	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT
-----										
01 Lands & Damages										
01_5	By-Pass Channel	1.00	EA	46,000,000	0	0	0	0	46,000,000	46000000
01_10	Water Feature	1.00	EA	500,000	0	0	0	0	500,000	500000
01_15	Valley Storage	1.00	EA	13,405,000	0	0	0	0	13,405,000	13405000
01_20	Marine Creek	1.00	EA	400,000	0	0	0	0	400,000	400000
01_25	Property Acquisition Assistance	1.00	EA	6,265,000	0	0	0	0	6,265,000	6265000
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TOTAL	Lands & Damages	1.00	EA	66,570,000	0	0	0	0	66,570,000	66570000
02 Relocations										
02_5	Land Owner Relocation	1.00	EA	20,413,750	0	0	0	0	20,413,750	20413750
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TOTAL	Relocations	1.00	EA	20,413,750	0	0	0	0	20,413,750	20413750
03 Reservoirs										
03_16	Valley Storage	1.00	EA	11,314,196	1,131,420	373,368	1,025,519	346,113	14,190,616	14190616
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TOTAL	Reservoirs	1.00	EA	11,314,196	1,131,420	373,368	1,025,519	346,113	14,190,616	14190616
04 Samuel Avenue Dam										
04_02	Division 2 - Site Work	1.00	EA	3,107,103	310,710	102,534	281,628	95,049	3,897,025	3897025
04_03	Division 3 - Concrete	1.00	EA	10,654,663	1,065,466	351,604	965,739	325,937	13,363,408	13363408
04_09	Division 9 - Finishes	1.00	EA	350,000	35,000	11,550	31,724	10,707	438,981	438981
04_11	Division 11 - Equipment	1.00	EA	8,330,000	833,000	274,890	755,031	254,823	10,447,744	10447744
04_13	Division 13 - Special Const.	1.00	EA	665,400	66,540	21,958	60,312	20,355	834,565	834565
04_16	Division 16 - Electrical	1.00	EA	441,573	44,157	14,572	40,024	13,508	553,835	553835
04_17	Division 17 - Instrumentation	1.00	EA	100,000	10,000	3,300	9,064	3,059	125,423	125423
-----										
TOTAL	Samuel Avenue Dam	1.00	EA	23,648,739	2,364,874	780,408	2,143,522	723,439	29,660,981	29660981
06 Ecosystem Restoration										
06_17	Eco-Restoration	1.00	EA	3,883,290	388,329	128,149	351,981	118,794	4,870,543	4870543
-----										
TOTAL	Ecosystem Restoration	1.00	EA	3,883,290	388,329	128,149	351,981	118,794	4,870,543	4870543
08 Roads and Bridges										
08_08	Henderson Bridge & Roadway	1.00	EA	12,989,961	1,298,996	428,669	1,177,410	397,376	16,292,412	16292412
08_09	White Settlement Bridge & Roadway	1.00	EA	10,519,869	1,051,987	347,156	953,521	321,813	13,194,346	13194346
08_10	Main Street Bridge & Roadway	1.00	EA	13,965,996	1,396,600	460,878	1,265,878	427,234	17,516,585	17516585



\*\* PROJECT INDIRECT SUMMARY - Feature \*\*

		QUANTY	UOM	DIRECT	FIELD OH	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT
08_11	White Settlement Extension B & R	1.00	EA	3,096,382	309,638	102,181	280,656	94,721	3,883,579	3883579
08_12	Street Modifications - General	1.00	EA	1,992,301	199,230	65,746	180,582	60,946	2,498,806	2498806
TOTAL Roads and Bridges		1.00	EA	42,564,509	4,256,451	1,404,629	3,858,047	1,302,091	53,385,727	53385727
09 Channel - Bypass										
09_05	Bypass Channel - North	1.00	EA	10,739,646	1,073,965	354,408	973,442	328,537	13,469,997	13469997
09_06	Bypass Channel - South	1.00	EA	15,600,371	1,560,037	514,812	1,414,018	477,231	19,566,469	19566469
TOTAL Channel - Bypass		1.00	EA	26,340,017	2,634,002	869,221	2,387,459	805,767	33,036,466	33036466
13 Stormwater Pumping Facility										
13_02	Division 2 - Site Work	1.00	EA	253,257	25,326	8,357	22,955	7,747	317,643	317643
13_03	Division 3 - Concrete	1.00	EA	919,388	91,939	30,340	83,333	28,125	1,153,125	1153125
13_04	Division 4 - Masonry	1.00	EA	17,971	1,797	593	1,629	550	22,540	22540
13_05	Division 5 - Metals	1.00	EA	187,861	18,786	6,199	17,028	5,747	235,620	235620
13_07	Division 7 - Thermal & Moisture	1.00	EA	10,690	1,069	353	969	327	13,408	13408
13_09	Division 9 - Finishes	1.00	EA	20,000	2,000	660	1,813	612	25,085	25085
13_11	Division 11 - Equipment	1.00	EA	1,140,000	114,000	37,620	103,330	34,874	1,429,823	1429823
13_14	Division 14 - Conveying Systems	1.00	EA	28,850	2,885	952	2,615	883	36,184	36184
13_15	Division 15 - Mechanical	1.00	EA	134,550	13,455	4,440	12,196	4,116	168,757	168757
13_16	Division 16 - Electrical	1.00	EA	405,000	40,500	13,365	36,709	12,389	507,964	507964
13_17	Division 17 - Instrumentation	1.00	EA	140,000	14,000	4,620	12,690	4,283	175,592	175592
TOTAL Stormwater Pumping Facility		1.00	EA	3,257,568	325,757	107,500	295,266	99,652	4,085,742	4085742
14 Recreation Facilities										
14_07	Water Feature	1.00	EA	8,768,006	876,801	289,344	794,732	268,222	10,997,105	10997105
TOTAL Recreation Facilities		1.00	EA	8,768,006	876,801	289,344	794,732	268,222	10,997,105	10997105
15 Flood Control & Diversion Struc.										
15_5	Clear Fork	1.00	EA	7,512,833	751,283	247,923	680,963	229,825	9,422,828	9422828
15_10	Trinity Point	1.00	EA	7,543,624	754,362	248,940	683,754	230,767	9,461,447	9461447
15_15	TRWD	1.00	EA	8,390,109	839,011	276,874	760,480	256,662	10,523,135	10523135
TOTAL Flood Control & Diversion Struc.		1.00	EA	23,446,566	2,344,657	773,737	2,125,197	717,254	29,407,410	29407410
19 Building Demolition & Utilities										
19_02	Demolition	1.00	EA	7,960,862	796,086	262,708	721,573	243,531	9,984,760	9984760
19_13	Utility Relocation - SS, W, SW	1.00	EA	6,079,438	607,944	200,621	551,040	185,976	7,625,019	7625019

\*\* PROJECT INDIRECT SUMMARY - Feature \*\*

		QUANTY	UOM	DIRECT	FIELD OH	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT
19_14	Utility Relocation - Elec & Comm	1.00	EA	1,952,122	195,212	64,420	176,940	59,717	2,448,411	2448411
19_15	Transmission Line Relocation	1.00	EA	6,017,899	601,790	198,591	545,462	184,094	7,547,835	7547835
TOTAL Building Demolition & Utilities		1.00	EA	22,010,320	2,201,032	726,341	1,995,015	673,318	27,606,026	27606026
21	Design Survey, Testing & Legal									
21_5	Design Survey and Testing	1.00	EA	4,598,350	0	0	0	0	4,598,350	4598350
21_10	Legal Costs	1.00	EA	3,500,000	0	0	0	0	3,500,000	3500000
TOTAL Design Survey, Testing & Legal		1.00	EA	8,098,350	0	0	0	0	8,098,350	8098350
22	Program Management									
22_5	Program Management	1.00	EA	17,500,000	0	0	0	0	17,500,000	17500000
TOTAL Program Management		1.00	EA	17,500,000	0	0	0	0	17,500,000	17500000
30	Planning, Engineering & Design									
30_5	A/E Design Service	1.00	EA	17,983,450	0	0	0	0	17,983,450	17983450
30_10	Permitting	1.00	EA	6,150,000	0	0	0	0	6,150,000	6150000
TOTAL Planning, Engineering & Design		1.00	EA	24,133,450	0	0	0	0	24,133,450	24133450
31	Construction Management									
31_5	Const. Management & Testing	1.00	EA	16,728,000	0	0	0	0	16,728,000	16728000
TOTAL Construction Management		1.00	EA	16,728,000	0	0	0	0	16,728,000	16728000
33	HTRW									
33_01	Environmental Assessment	1.00	EA	1,259,550	0	0	0	0	1,259,550	1259550
33_02	Division 2 - Site Work	1.00	EA	12,062,039	1,206,204	398,047	1,093,303	368,990	15,128,583	15128583
33_11	Division 11 - Equipment	1.00	EA	1,540,000	154,000	50,820	139,586	47,110	1,931,516	1931516
33_20	Analytical Testing	1.00	EA	629,650	0	0	0	0	629,650	629650
33_21	Offsite Environmental Coord.	1.00	EA	2,067,000	0	0	0	0	2,067,000	2067000
TOTAL HTRW		1.00	EA	17,558,239	1,360,204	448,867	1,232,889	416,100	21,016,299	21016299
TOTAL Fort Worth Central City		1.00	EA	336,235,001	17883525	5,901,563	16209627	5,470,749	381,700,465	*****
Contingency									53,714,185	
TOTAL INCL OWNER COSTS									435,414,650	

\*\* PROJECT INDIRECT SUMMARY - Sub Feat \*\*

		QUANTY	UOM	DIRECT	FIELD OH	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT
-----										
01 Lands & Damages										
01_5	By-Pass Channel	1.00	EA	46,000,000	0	0	0	0	46,000,000	46000000
01_10	Water Feature	1.00	EA	500,000	0	0	0	0	500,000	500000
01_15	Valley Storage	1.00	EA	13,405,000	0	0	0	0	13,405,000	13405000
01_20	Marine Creek	1.00	EA	400,000	0	0	0	0	400,000	400000
01_25	Property Acquisition Assistance	1.00	EA	6,265,000	0	0	0	0	6,265,000	6265000
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	TOTAL Lands & Damages	1.00	EA	66,570,000	0	0	0	0	66,570,000	66570000
02 Relocations										
02_5	Land Owner Relocation	1.00	EA	20,413,750	0	0	0	0	20,413,750	20413750
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	TOTAL Relocations	1.00	EA	20,413,750	0	0	0	0	20,413,750	20413750
03 Reservoirs										
03_16 Valley Storage										
03_16.5	Riverbend	1.00	EA	4,740,838	474,084	156,448	429,710	145,027	5,946,106	5946106
03_16.10	Samuel Avenue Sites	1.00	EA	1,946,683	194,668	64,241	176,447	59,551	2,441,590	2441590
03_16.15	I-35 Sites	1.00	EA	2,020,782	202,078	66,686	183,164	61,818	2,534,527	2534527
03_16.20	University Drive	1.00	EA	2,605,893	260,589	85,994	236,198	79,717	3,268,392	3268392
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	TOTAL Valley Storage	1.00	EA	11,314,196	1,131,420	373,368	1,025,519	346,113	14,190,616	14190616
-----										
	TOTAL Reservoirs	1.00	EA	11,314,196	1,131,420	373,368	1,025,519	346,113	14,190,616	14190616
04 Samuel Avenue Dam										
04_02	Division 2 - Site Work	1.00	EA	3,107,103	310,710	102,534	281,628	95,049	3,897,025	3897025
04_03	Division 3 - Concrete	1.00	EA	10,654,663	1,065,466	351,604	965,739	325,937	13,363,408	13363408
04_09	Division 9 - Finishes	1.00	EA	350,000	35,000	11,550	31,724	10,707	438,981	438981
04_11	Division 11 - Equipment	1.00	EA	8,330,000	833,000	274,890	755,031	254,823	10,447,744	10447744
04_13	Division 13 - Special Const.	1.00	EA	665,400	66,540	21,958	60,312	20,355	834,565	834565
04_16	Division 16 - Electrical	1.00	EA	441,573	44,157	14,572	40,024	13,508	553,835	553835
04_17	Division 17 - Instrumentation	1.00	EA	100,000	10,000	3,300	9,064	3,059	125,423	125423
-----										
	TOTAL Samuel Avenue Dam	1.00	EA	23,648,739	2,364,874	780,408	2,143,522	723,439	29,660,981	29660981
06 Ecosystem Restoration										
06_17 Eco-Restoration										
06_17.5	Riverbend	1.00	EA	2,806,905	280,691	92,628	254,418	85,866	3,520,507	3520507

\*\* PROJECT INDIRECT SUMMARY - Sub Feat \*\*

		QUANTY	UOM	DIRECT	FIELD OH	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT
06_17.10	Rockwood	1.00	EA	448,050	44,805	14,786	40,611	13,706	561,958	561958
06_17.15	Samuel Avenue Sites	1.00	EA	443,008	44,301	14,619	40,154	13,552	555,634	555634
06_17.20	I-35 Sites	1.00	EA	185,328	18,533	6,116	16,798	5,669	232,443	232443
TOTAL Eco-Restoration		1.00	EA	3,883,290	388,329	128,149	351,981	118,794	4,870,543	4870543
TOTAL Ecosystem Restoration		1.00	EA	3,883,290	388,329	128,149	351,981	118,794	4,870,543	4870543
08 Roads and Bridges										
08_08 Henderson Bridge & Roadway										
08_08.02	Division 2 - Site Work	1.00	EA	1,407,211	140,721	46,438	127,550	43,048	1,764,968	1764968
08_08.03	Division 3 - Concrete	1.00	EA	11,582,750	1,158,275	382,231	1,049,860	354,328	14,527,444	14527444
TOTAL Henderson Bridge & Roadway		1.00	EA	12,989,961	1,298,996	428,669	1,177,410	397,376	16,292,412	16292412
08_09 White Settlement Bridge & Roadway										
08_09.02	Division 2 - Site Work	1.00	EA	1,101,600	110,160	36,353	99,849	33,699	1,381,661	1381661
08_09.03	Division 3 - Concrete	1.00	EA	9,418,269	941,827	310,803	853,672	288,114	11,812,685	11812685
TOTAL White Settlement Bridge & Roadway		1.00	EA	10,519,869	1,051,987	347,156	953,521	321,813	13,194,346	13194346
08_10 Main Street Bridge & Roadway										
08_10.02	Division 2 - Site Work	1.00	EA	623,846	62,385	20,587	56,545	19,084	782,447	782447
08_10.03	Division 3 - Concrete	1.00	EA	13,342,150	1,334,215	440,291	1,209,332	408,150	16,734,138	16734138
TOTAL Main Street Bridge & Roadway		1.00	EA	13,965,996	1,396,600	460,878	1,265,878	427,234	17,516,585	17516585
08_11 White Settlement Extension B & R										
08_11.02	Division 2 - Site Work	1.00	EA	887,482	88,748	29,287	80,441	27,149	1,113,108	1113108
08_11.03	Division 3 - Concrete	1.00	EA	2,208,900	220,890	72,894	200,215	67,572	2,770,471	2770471
TOTAL White Settlement Extension B & R		1.00	EA	3,096,382	309,638	102,181	280,656	94,721	3,883,579	3883579
08_12 Street Modifications - General										
08_12.02	Division 2 - Site Work	1.00	EA	1,442,301	144,230	47,596	130,730	44,121	1,808,979	1808979
08_12.16	Division 16 - Electrical	1.00	EA	550,000	55,000	18,150	49,852	16,825	689,827	689827
TOTAL Street Modifications - General		1.00	EA	1,992,301	199,230	65,746	180,582	60,946	2,498,806	2498806
TOTAL Roads and Bridges		1.00	EA	42,564,509	4,256,451	1,404,629	3,858,047	1,302,091	53,385,727	53385727

\*\* PROJECT INDIRECT SUMMARY - Sub Feat \*\*

		QUANTY	UOM	DIRECT	FIELD OH	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT
-----										
09 Channel - Bypass										
09_05 Bypass Channel - North										
09_05.02	Division 2 - Site Work	1.00	EA	4,018,809	401,881	132,621	364,265	122,939	5,040,514	5040514
09_05.03	Division 3 - Concrete	1.00	EA	6,720,838	672,084	221,788	609,177	205,597	8,429,483	8429483
-----										
	TOTAL Bypass Channel - North	1.00	EA	10,739,646	1,073,965	354,408	973,442	328,537	13,469,997	13469997
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09_06 Bypass Channel - South										
09_06.02	Division 2 - Site Work	1.00	EA	5,195,802	519,580	171,461	470,948	158,945	6,516,737	6516737
09_06.03	Division 3 - Concrete	1.00	EA	10,404,569	1,040,457	343,351	943,070	318,286	13,049,733	13049733
-----										
	TOTAL Bypass Channel - South	1.00	EA	15,600,371	1,560,037	514,812	1,414,018	477,231	19,566,469	19566469
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	TOTAL Channel - Bypass	1.00	EA	26,340,017	2,634,002	869,221	2,387,459	805,767	33,036,466	33036466
-----										
13 Stormwater Pumping Facility										
13_02	Division 2 - Site Work	1.00	EA	253,257	25,326	8,357	22,955	7,747	317,643	317643
13_03	Division 3 - Concrete	1.00	EA	919,388	91,939	30,340	83,333	28,125	1,153,125	1153125
13_04	Division 4 - Masonry	1.00	EA	17,971	1,797	593	1,629	550	22,540	22540
13_05	Division 5 - Metals	1.00	EA	187,861	18,786	6,199	17,028	5,747	235,620	235620
13_07	Division 7 - Thermal & Moisture	1.00	EA	10,690	1,069	353	969	327	13,408	13408
13_09	Division 9 - Finishes	1.00	EA	20,000	2,000	660	1,813	612	25,085	25085
13_11	Division 11 - Equipment	1.00	EA	1,140,000	114,000	37,620	103,330	34,874	1,429,823	1429823
13_14	Division 14 - Conveying Systems	1.00	EA	28,850	2,885	952	2,615	883	36,184	36184
13_15	Division 15 - Mechanical	1.00	EA	134,550	13,455	4,440	12,196	4,116	168,757	168757
13_16	Division 16 - Electrical	1.00	EA	405,000	40,500	13,365	36,709	12,389	507,964	507964
13_17	Division 17 - Instrumentation	1.00	EA	140,000	14,000	4,620	12,690	4,283	175,592	175592
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	TOTAL Stormwater Pumping Facility	1.00	EA	3,257,568	325,757	107,500	295,266	99,652	4,085,742	4085742
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14 Recreation Facilities										
14_07 Water Feature										
14_07.5	Water Feature	1.00	EA	7,137,888	713,789	235,550	646,978	218,355	8,952,560	8952560
14_07.10	Marine Creek	1.00	EA	1,630,119	163,012	53,794	147,754	49,867	2,044,545	2044545
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	TOTAL Water Feature	1.00	EA	8,768,006	876,801	289,344	794,732	268,222	10,997,105	10997105
-----										
	TOTAL Recreation Facilities	1.00	EA	8,768,006	876,801	289,344	794,732	268,222	10,997,105	10997105
-----										
15 Flood Control & Diversion Struc.										

\*\* PROJECT INDIRECT SUMMARY - Sub Feat \*\*

		QUANTITY	UOM	DIRECT	FIELD OH	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT
-----										
15_5 Clear Fork										
15_5.02	Division 2 - Site Work	1.00	EA	1,154,306	115,431	38,092	104,626	35,311	1,447,766	1447766
15_5.03	Division 3 - Concrete	1.00	EA	2,063,139	206,314	68,084	187,003	63,113	2,587,653	2587653
15_5.05	Division 5 - Metals	1.00	EA	11,988	1,199	396	1,087	367	15,036	15036
15_5.09	Division 9 - Finishes	1.00	EA	1,110,000	111,000	36,630	100,610	33,956	1,392,196	1392196
15_5.11	Division 11 - Equipment	1.00	EA	2,808,000	280,800	92,664	254,517	85,900	3,521,881	3521881
15_5.13	Division 13 - Special Const.	1.00	EA	10,400	1,040	343	943	318	13,044	13044
15_5.16	Division 16 - Electrical	1.00	EA	335,000	33,500	11,055	30,364	10,248	420,167	420167
15_5.17	Division 17 - Instrumentation	1.00	EA	20,000	2,000	660	1,813	612	25,085	25085
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TOTAL Clear Fork		1.00	EA	7,512,833	751,283	247,923	680,963	229,825	9,422,828	9422828
-----										
15_10 Trinity Point										
15_10.02	Division 2 - Site Work	1.00	EA	1,123,632	112,363	37,080	101,846	34,373	1,409,294	1409294
15_10.03	Division 3 - Concrete	1.00	EA	1,285,080	128,508	42,408	116,480	39,312	1,611,787	1611787
15_10.05	Division 5 - Metals	1.00	EA	12,612	1,261	416	1,143	386	15,818	15818
15_10.09	Division 9 - Finishes	1.00	EA	1,110,000	111,000	36,630	100,610	33,956	1,392,196	1392196
15_10.11	Division 11 - Equipment	1.00	EA	3,643,000	364,300	120,219	330,202	111,443	4,569,164	4569164
15_10.13	Division 13 - Special Const.	1.00	EA	14,300	1,430	472	1,296	437	17,936	17936
15_10.16	Division 16 - Electrical	1.00	EA	335,000	33,500	11,055	30,364	10,248	420,167	420167
15_10.17	Division 17 - Instrumentation	1.00	EA	20,000	2,000	660	1,813	612	25,085	25085
15_10.27										
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TOTAL Trinity Point		1.00	EA	7,543,624	754,362	248,940	683,754	230,767	9,461,447	9461447
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15_15 TRWD										
15_15.02	Division 2 - Site Work	1.00	EA	1,491,332	149,133	49,214	135,174	45,621	1,870,475	1870475
15_15.03	Division 3 - Concrete	1.00	EA	2,762,583	276,258	91,165	250,400	84,510	3,464,917	3464917
15_15.05	Division 5 - Metals	1.00	EA	12,399	1,240	409	1,124	379	15,551	15551
15_15.08	Division 8 - Doors & Windows	1.00	EA	396	40	13	36	12	496	496.17
15_15.09	Division 9 - Finishes	1.00	EA	1,110,000	111,000	36,630	100,610	33,956	1,392,196	1392196
15_15.11	Division 11 - Equipment	1.00	EA	2,808,000	280,800	92,664	254,517	85,900	3,521,881	3521881
15_15.13	Division 13 - Special Const.	1.00	EA	10,400	1,040	343	943	318	13,044	13044
15_15.16	Division 16 - Electrical	1.00	EA	175,000	17,500	5,775	15,862	5,353	219,490	219490
15_15.17	Division 17 - Instrumentation	1.00	EA	20,000	2,000	660	1,813	612	25,085	25085
15_15.22										
-----										
TOTAL TRWD		1.00	EA	8,390,109	839,011	276,874	760,480	256,662	10,523,135	10523135
-----										
TOTAL Flood Control & Diversion Struc.		1.00	EA	23,446,566	2,344,657	773,737	2,125,197	717,254	29,407,410	29407410

19 Building Demolition & Utilities

19\_02 Demolition

\*\* PROJECT INDIRECT SUMMARY - Sub Feat \*\*

		QUANTY	UOM	DIRECT	FIELD OH	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT
19_02.02	Division 2 - Site Work	1.00	EA	7,960,862	796,086	262,708	721,573	243,531	9,984,760	9984760
	TOTAL Demolition	1.00	EA	7,960,862	796,086	262,708	721,573	243,531	9,984,760	9984760
19_13	Utility Relocation - SS, W, SW									
19_13.02	Division 2 - Site Work	1.00	EA	1,308,746	130,875	43,189	118,625	40,036	1,641,470	1641470
19_13.11	Division 11 - Equipment	1.00	EA	100,000	10,000	3,300	9,064	3,059	125,423	125423
19_13.15	Division 15 - Mechanical	1.00	EA	4,670,691	467,069	154,133	423,351	142,881	5,858,126	5858126
	TOTAL Utility Relocation - SS, W, SW	1.00	EA	6,079,438	607,944	200,621	551,040	185,976	7,625,019	7625019
19_14	Utility Relocation - Elec & Comm									
19_14.02	Division 2 - Site Work	1.00	EA	595,086	59,509	19,638	53,939	18,204	746,375	746375
19_14.16	Division 16 - Electrical	1.00	EA	1,357,036	135,704	44,782	123,002	41,513	1,702,037	1702037
	TOTAL Utility Relocation - Elec & Comm	1.00	EA	1,952,122	195,212	64,420	176,940	59,717	2,448,411	2448411
19_15	Transmission Line Relocation									
19_15.02	Division 2 - Site Work	1.00	EA	17,899	1,790	591	1,622	548	22,449	22449
19_15.16	Division 16 - Electrical	1.00	EA	6,000,000	600,000	198,000	543,840	183,546	7,525,386	7525386
	TOTAL Transmission Line Relocation	1.00	EA	6,017,899	601,790	198,591	545,462	184,094	7,547,835	7547835
	TOTAL Building Demolition & Utilities	1.00	EA	22,010,320	2,201,032	726,341	1,995,015	673,318	27,606,026	27606026
21	Design Survey, Testing & Legal									
21_5	Design Survey and Testing	1.00	EA	4,598,350	0	0	0	0	4,598,350	4598350
21_10	Legal Costs	1.00	EA	3,500,000	0	0	0	0	3,500,000	3500000
	TOTAL Design Survey, Testing & Legal	1.00	EA	8,098,350	0	0	0	0	8,098,350	8098350
22	Program Management									
22_5	Program Management	1.00	EA	17,500,000	0	0	0	0	17,500,000	17500000
	TOTAL Program Management	1.00	EA	17,500,000	0	0	0	0	17,500,000	17500000
30	Planning, Engineering & Design									
30_5	A/E Design Service	1.00	EA	17,983,450	0	0	0	0	17,983,450	17983450

\*\* PROJECT INDIRECT SUMMARY - Sub Feat \*\*

		QUANTY	UOM	DIRECT	FIELD OH	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT
30_10	Permitting	1.00	EA	6,150,000	0	0	0	0	6,150,000	6150000
TOTAL Planning, Engineering & Design		1.00	EA	24,133,450	0	0	0	0	24,133,450	24133450
31	Construction Management									
31_5	Const. Management & Testing	1.00	EA	16,728,000	0	0	0	0	16,728,000	16728000
TOTAL Construction Management		1.00	EA	16,728,000	0	0	0	0	16,728,000	16728000
33	HTRW									
33_01	Environmental Assessment	1.00	EA	1,259,550	0	0	0	0	1,259,550	1259550
33_02	Division 2 - Site Work	1.00	EA	12,062,039	1,206,204	398,047	1,093,303	368,990	15,128,583	15128583
33_11	Division 11 - Equipment	1.00	EA	1,540,000	154,000	50,820	139,586	47,110	1,931,516	1931516
33_20	Analytical Testing	1.00	EA	629,650	0	0	0	0	629,650	629650
33_21	Offsite Environmental Coord.	1.00	EA	2,067,000	0	0	0	0	2,067,000	2067000
TOTAL HTRW		1.00	EA	17,558,239	1,360,204	448,867	1,232,889	416,100	21,016,299	21016299
TOTAL Fort Worth Central City		1.00	EA	336,235,001	17883525	5,901,563	16209627	5,470,749	381,700,465	*****
Contingency									53,714,185	
TOTAL INCL OWNER COSTS									435,414,650	



\*\* PROJECT INDIRECT SUMMARY - Element \*\*

		QUANTY	UOM	DIRECT	FIELD OH	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT
-----										
01 Lands & Damages										
01_5	By-Pass Channel	1.00	EA	46,000,000	0	0	0	0	46,000,000	46000000
01_10	Water Feature	1.00	EA	500,000	0	0	0	0	500,000	500000
01_15	Valley Storage	1.00	EA	13,405,000	0	0	0	0	13,405,000	13405000
01_20	Marine Creek	1.00	EA	400,000	0	0	0	0	400,000	400000
01_25	Property Acquisition Assistance	1.00	EA	6,265,000	0	0	0	0	6,265,000	6265000
-----										
	TOTAL Lands & Damages	1.00	EA	66,570,000	0	0	0	0	66,570,000	66570000
02 Relocations										
02_5	Land Owner Relocation	1.00	EA	20,413,750	0	0	0	0	20,413,750	20413750
-----										
	TOTAL Relocations	1.00	EA	20,413,750	0	0	0	0	20,413,750	20413750
03 Reservoirs										
03_16 Valley Storage										
03_16.5 Riverbend										
03_16.5.02	Division 2 - Site Work	1.00	EA	4,336,097	433,610	143,091	393,024	132,646	5,438,468	5438468
03_16.5.03	Division 3 - Concrete	1.00	EA	20,456	2,046	675	1,854	626	25,657	25657
03_16.5.05	Division 5 - Metals	1.00	EA	4,976	498	164	451	152	6,242	6241.57
03_16.5.11	Division 11 - Equipment	1.00	EA	34,400	3,440	1,135	3,118	1,052	43,146	43146
03_16.5.15	Division 15 - Mechanical	1.00	EA	334,908	33,491	11,052	30,356	10,245	420,053	420053
03_16.5.16	Division 16 - Electrical	1.00	EA	10,000	1,000	330	906	306	12,542	12542
03_16.5.21										
-----										
	TOTAL Riverbend	1.00	EA	4,740,838	474,084	156,448	429,710	145,027	5,946,106	5946106
03_16.10 Samuel Avenue Sites										
03_16.10.02	Division 2 - Site Work	1.00	EA	1,937,843	193,784	63,949	175,646	59,281	2,430,502	2430502
03_16.10.15	Division 15 - Mechanical	1.00	EA	8,840	884	292	801	270	11,088	11088
-----										
	TOTAL Samuel Avenue Sites	1.00	EA	1,946,683	194,668	64,241	176,447	59,551	2,441,590	2441590
03_16.15 I-35 Sites										
03_16.15.02	Division 2 - Site Work	1.00	EA	2,007,761	200,776	66,256	181,983	61,419	2,518,196	2518196
03_16.15.16	Division 16 - Electrical	1.00	EA	13,021	1,302	430	1,180	398	16,331	16331
-----										
	TOTAL I-35 Sites	1.00	EA	2,020,782	202,078	66,686	183,164	61,818	2,534,527	2534527

\*\* PROJECT INDIRECT SUMMARY - Element \*\*

		QUANTY	UOM	DIRECT	FIELD OH	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT
-----										
03_16.20 University Drive										
03_16.20.02	Division 2 - Site Work	1.00	EA	1,519,969	151,997	50,159	137,770	46,497	1,906,393	1906393
03_16.20.03	Division 3 - Concrete	1.00	EA	401,725	40,173	13,257	36,412	12,289	503,856	503856
03_16.20.05	Division 5 - Metals	1.00	EA	36,168	3,617	1,194	3,278	1,106	45,363	45363
03_16.20.15	Division 15 - Mechanical	1.00	EA	348,031	34,803	11,485	31,545	10,647	436,511	436511
03_16.20.16	Division 16 - Electrical	1.00	EA	300,000	30,000	9,900	27,192	9,177	376,269	376269
-----										
	TOTAL University Drive	1.00	EA	2,605,893	260,589	85,994	236,198	79,717	3,268,392	3268392
-----										
	TOTAL Valley Storage	1.00	EA	11,314,196	1,131,420	373,368	1,025,519	346,113	14,190,616	14190616
-----										
	TOTAL Reservoirs	1.00	EA	11,314,196	1,131,420	373,368	1,025,519	346,113	14,190,616	14190616
-----										
04 Samuel Avenue Dam										
04_02	Division 2 - Site Work	1.00	EA	3,107,103	310,710	102,534	281,628	95,049	3,897,025	3897025
04_03	Division 3 - Concrete	1.00	EA	10,654,663	1,065,466	351,604	965,739	325,937	13,363,408	13363408
04_09	Division 9 - Finishes	1.00	EA	350,000	35,000	11,550	31,724	10,707	438,981	438981
04_11	Division 11 - Equipment	1.00	EA	8,330,000	833,000	274,890	755,031	254,823	10,447,744	10447744
04_13	Division 13 - Special Const.	1.00	EA	665,400	66,540	21,958	60,312	20,355	834,565	834565
04_16	Division 16 - Electrical	1.00	EA	441,573	44,157	14,572	40,024	13,508	553,835	553835
04_17	Division 17 - Instrumentation	1.00	EA	100,000	10,000	3,300	9,064	3,059	125,423	125423
-----										
	TOTAL Samuel Avenue Dam	1.00	EA	23,648,739	2,364,874	780,408	2,143,522	723,439	29,660,981	29660981
-----										
06 Ecosystem Restoration										
06_17 Eco-Restoration										
06_17.5 Riverbend										
06_17.5.02	Division 2 - Site Work	1.00	EA	2,806,905	280,691	92,628	254,418	85,866	3,520,507	3520507
-----										
	TOTAL Riverbend	1.00	EA	2,806,905	280,691	92,628	254,418	85,866	3,520,507	3520507
-----										
06_17.10 Rockwood										
06_17.10.02	Division 2 - Site Work	1.00	EA	448,050	44,805	14,786	40,611	13,706	561,958	561958
-----										
	TOTAL Rockwood	1.00	EA	448,050	44,805	14,786	40,611	13,706	561,958	561958
-----										
06_17.15 Samuel Avenue Sites										
06_17.15.02	Division 2 - Site Work	1.00	EA	443,008	44,301	14,619	40,154	13,552	555,634	555634
-----										
	TOTAL Samuel Avenue Sites	1.00	EA	443,008	44,301	14,619	40,154	13,552	555,634	555634
-----										

\*\* PROJECT INDIRECT SUMMARY - Element \*\*

		QUANTY	UOM	DIRECT	FIELD OH	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT
-----										
06_17.20 I-35 Sites										
06_17.20.02	Division 2 - Site Work	1.00	EA	185,328	18,533	6,116	16,798	5,669	232,443	232443
-----										
	TOTAL I-35 Sites	1.00	EA	185,328	18,533	6,116	16,798	5,669	232,443	232443
-----										
	TOTAL Eco-Restoration	1.00	EA	3,883,290	388,329	128,149	351,981	118,794	4,870,543	4870543
-----										
	TOTAL Ecosystem Restoration	1.00	EA	3,883,290	388,329	128,149	351,981	118,794	4,870,543	4870543
-----										
08 Roads and Bridges										
08_08 Henderson Bridge & Roadway										
08_08.02	Division 2 - Site Work	1.00	EA	1,407,211	140,721	46,438	127,550	43,048	1,764,968	1764968
08_08.03	Division 3 - Concrete	1.00	EA	11,582,750	1,158,275	382,231	1,049,860	354,328	14,527,444	14527444
-----										
	TOTAL Henderson Bridge & Roadway	1.00	EA	12,989,961	1,298,996	428,669	1,177,410	397,376	16,292,412	16292412
-----										
08_09 White Settlement Bridge & Roadway										
08_09.02	Division 2 - Site Work	1.00	EA	1,101,600	110,160	36,353	99,849	33,699	1,381,661	1381661
08_09.03	Division 3 - Concrete	1.00	EA	9,418,269	941,827	310,803	853,672	288,114	11,812,685	11812685
-----										
	TOTAL White Settlement Bridge & Roadw	1.00	EA	10,519,869	1,051,987	347,156	953,521	321,813	13,194,346	13194346
-----										
08_10 Main Street Bridge & Roadway										
08_10.02	Division 2 - Site Work	1.00	EA	623,846	62,385	20,587	56,545	19,084	782,447	782447
08_10.03	Division 3 - Concrete	1.00	EA	13,342,150	1,334,215	440,291	1,209,332	408,150	16,734,138	16734138
-----										
	TOTAL Main Street Bridge & Roadway	1.00	EA	13,965,996	1,396,600	460,878	1,265,878	427,234	17,516,585	17516585
-----										
08_11 White Settlement Extension B & R										
08_11.02	Division 2 - Site Work	1.00	EA	887,482	88,748	29,287	80,441	27,149	1,113,108	1113108
08_11.03	Division 3 - Concrete	1.00	EA	2,208,900	220,890	72,894	200,215	67,572	2,770,471	2770471
-----										
	TOTAL White Settlement Extension B &	1.00	EA	3,096,382	309,638	102,181	280,656	94,721	3,883,579	3883579
-----										
08_12 Street Modifications - General										
08_12.02	Division 2 -Site Work	1.00	EA	1,442,301	144,230	47,596	130,730	44,121	1,808,979	1808979
08_12.16	Division 16 - Electrical	1.00	EA	550,000	55,000	18,150	49,852	16,825	689,827	689827
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\*\* PROJECT INDIRECT SUMMARY - Element \*\*

		QUANTY	UOM	DIRECT	FIELD OH	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT
TOTAL Street Modifications - General		1.00	EA	1,992,301	199,230	65,746	180,582	60,946	2,498,806	2498806
TOTAL Roads and Bridges		1.00	EA	42,564,509	4,256,451	1,404,629	3,858,047	1,302,091	53,385,727	53385727
09 Channel - Bypass										
09_05 Bypass Channel - North										
09_05.02 Division 2 - Site Work		1.00	EA	4,018,809	401,881	132,621	364,265	122,939	5,040,514	5040514
TOTAL Division 2 - Site Work		1.00	EA	4,018,809	401,881	132,621	364,265	122,939	5,040,514	5040514
09_05.03 Division 3 - Concrete										
09_05.03.5 Lower Wall		1.00	EA	2,414,144	241,414	79,667	218,818	73,851	3,027,894	3027894
09_05.03.10 Middle Wall		1.00	EA	1,759,250	175,925	58,055	159,458	53,817	2,206,506	2206506
09_05.03.15 Upper Wall		1.00	EA	2,547,444	254,744	84,066	230,900	77,929	3,195,083	3195083
TOTAL Division 3 - Concrete		1.00	EA	6,720,838	672,084	221,788	609,177	205,597	8,429,483	8429483
TOTAL Bypass Channel - North		1.00	EA	10,739,646	1,073,965	354,408	973,442	328,537	13,469,997	13469997
09_06 Bypass Channel - South										
09_06.02 Division 2 - Site Work		1.00	EA	5,195,802	519,580	171,461	470,948	158,945	6,516,737	6516737
TOTAL Division 2 - Site Work		1.00	EA	5,195,802	519,580	171,461	470,948	158,945	6,516,737	6516737
09_06.03 Division 3 - Concrete										
09_06.03.5 Lower Wall		1.00	EA	3,198,206	319,821	105,541	289,885	97,836	4,011,289	4011289
09_06.03.10 Middle Wall		1.00	EA	2,332,119	233,212	76,960	211,383	71,342	2,925,016	2925016
09_06.03.15 Upper Wall		1.00	EA	3,374,244	337,424	111,350	305,841	103,221	4,232,081	4232081
09_06.03.20 Pedestrian Crossings		1.00	EA	1,500,000	150,000	49,500	135,960	45,887	1,881,347	1881347
TOTAL Division 3 - Concrete		1.00	EA	10,404,569	1,040,457	343,351	943,070	318,286	13,049,733	13049733
TOTAL Bypass Channel - South		1.00	EA	15,600,371	1,560,037	514,812	1,414,018	477,231	19,566,469	19566469
TOTAL Channel - Bypass		1.00	EA	26,340,017	2,634,002	869,221	2,387,459	805,767	33,036,466	33036466
13 Stormwater Pumping Facility										
13_02 Division 2 - Site Work		1.00	EA	253,257	25,326	8,357	22,955	7,747	317,643	317643
13_03 Division 3 - Concrete		1.00	EA	919,388	91,939	30,340	83,333	28,125	1,153,125	1153125
13_04 Division 4 - Masonry		1.00	EA	17,971	1,797	593	1,629	550	22,540	22540

\*\* PROJECT INDIRECT SUMMARY - Element \*\*

		QUANTY	UOM	DIRECT	FIELD OH	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT
13_05	Division 5 - Metals	1.00	EA	187,861	18,786	6,199	17,028	5,747	235,620	235620
13_07	Division 7 - Thermal & Moisture	1.00	EA	10,690	1,069	353	969	327	13,408	13408
13_09	Division 9 - Finishes	1.00	EA	20,000	2,000	660	1,813	612	25,085	25085
13_11	Division 11 - Equipment	1.00	EA	1,140,000	114,000	37,620	103,330	34,874	1,429,823	1429823
13_14	Division 14 - Conveying Systems	1.00	EA	28,850	2,885	952	2,615	883	36,184	36184
13_15	Division 15 - Mechanical	1.00	EA	134,550	13,455	4,440	12,196	4,116	168,757	168757
13_16	Division 16 - Electrical	1.00	EA	405,000	40,500	13,365	36,709	12,389	507,964	507964
13_17	Division 17 - Instrumentation	1.00	EA	140,000	14,000	4,620	12,690	4,283	175,592	175592
TOTAL Stormwater Pumping Facility		1.00	EA	3,257,568	325,757	107,500	295,266	99,652	4,085,742	4085742
14 Recreation Facilities										
14_07 Water Feature										
14_07. 5 Water Feature										
14_07. 5.02	Division 2 - Site Work	1.00	EA	1,917,238	191,724	63,269	173,778	58,650	2,404,659	2404659
14_07. 5.03	Division 3 - Concrete	1.00	EA	4,070,650	407,065	134,331	368,964	124,525	5,105,535	5105535
14_07. 5.11	Division 11 - Equipment	1.00	EA	300,000	30,000	9,900	27,192	9,177	376,269	376269
14_07. 5.15	Division 15 - Mechanical	1.00	EA	350,000	35,000	11,550	31,724	10,707	438,981	438981
14_07. 5.16	Division 16 - Electrical	1.00	EA	500,000	50,000	16,500	45,320	15,296	627,116	627116
TOTAL Water Feature		1.00	EA	7,137,888	713,789	235,550	646,978	218,355	8,952,560	8952560
14_07.10 Marine Creek										
14_07.10.02	Division 2 - Site Work	1.00	EA	432,100	43,210	14,259	39,166	13,218	541,953	541953
14_07.10.03	Division 3 - Concrete	1.00	EA	1,098,019	109,802	36,235	99,524	33,589	1,377,169	1377169
14_07.10.16	Division 16 - Electrical	1.00	EA	100,000	10,000	3,300	9,064	3,059	125,423	125423
TOTAL Marine Creek		1.00	EA	1,630,119	163,012	53,794	147,754	49,867	2,044,545	2044545
TOTAL Water Feature		1.00	EA	8,768,006	876,801	289,344	794,732	268,222	10,997,105	10997105
TOTAL Recreation Facilities		1.00	EA	8,768,006	876,801	289,344	794,732	268,222	10,997,105	10997105
15 Flood Control & Diversion Struc.										
15_ 5 Clear Fork										
15_ 5.02	Division 2 - Site Work	1.00	EA	1,154,306	115,431	38,092	104,626	35,311	1,447,766	1447766
15_ 5.03	Division 3 - Concrete	1.00	EA	2,063,139	206,314	68,084	187,003	63,113	2,587,653	2587653
15_ 5.05	Division 5 - Metals	1.00	EA	11,988	1,199	396	1,087	367	15,036	15036
15_ 5.09	Division 9 - Finishes	1.00	EA	1,110,000	111,000	36,630	100,610	33,956	1,392,196	1392196
15_ 5.11	Division 11 - Equipment	1.00	EA	2,808,000	280,800	92,664	254,517	85,900	3,521,881	3521881
15_ 5.13	Division 13 - Special Const.	1.00	EA	10,400	1,040	343	943	318	13,044	13044
15_ 5.16	Division 16 - Electrical	1.00	EA	335,000	33,500	11,055	30,364	10,248	420,167	420167

\*\* PROJECT INDIRECT SUMMARY - Element \*\*

		QUANTY	UOM	DIRECT	FIELD OH	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT
15_5.17	Division 17 - Instrumentation	1.00	EA	20,000	2,000	660	1,813	612	25,085	25085
	TOTAL Clear Fork	1.00	EA	7,512,833	751,283	247,923	680,963	229,825	9,422,828	9422828
15_10	Trinity Point									
15_10.02	Division 2 - Site Work	1.00	EA	1,123,632	112,363	37,080	101,846	34,373	1,409,294	1409294
15_10.03	Division 3 - Concrete	1.00	EA	1,285,080	128,508	42,408	116,480	39,312	1,611,787	1611787
15_10.05	Division 5 - Metals	1.00	EA	12,612	1,261	416	1,143	386	15,818	15818
15_10.09	Division 9 - Finishes	1.00	EA	1,110,000	111,000	36,630	100,610	33,956	1,392,196	1392196
15_10.11	Division 11 - Equipment	1.00	EA	3,643,000	364,300	120,219	330,202	111,443	4,569,164	4569164
15_10.13	Division 13 - Special Const.	1.00	EA	14,300	1,430	472	1,296	437	17,936	17936
15_10.16	Division 16 - Electrical	1.00	EA	335,000	33,500	11,055	30,364	10,248	420,167	420167
15_10.17	Division 17 - Instrumentation	1.00	EA	20,000	2,000	660	1,813	612	25,085	25085
15_10.27										
	TOTAL Trinity Point	1.00	EA	7,543,624	754,362	248,940	683,754	230,767	9,461,447	9461447
15_15	TRWD									
15_15.02	Division 2 - Site Work	1.00	EA	1,491,332	149,133	49,214	135,174	45,621	1,870,475	1870475
15_15.03	Division 3 - Concrete	1.00	EA	2,762,583	276,258	91,165	250,400	84,510	3,464,917	3464917
15_15.05	Division 5 - Metals	1.00	EA	12,399	1,240	409	1,124	379	15,551	15551
15_15.08	Division 8 - Doors & Windows	1.00	EA	396	40	13	36	12	496	496.17
15_15.09	Division 9 - Finishes	1.00	EA	1,110,000	111,000	36,630	100,610	33,956	1,392,196	1392196
15_15.11	Division 11 - Equipment	1.00	EA	2,808,000	280,800	92,664	254,517	85,900	3,521,881	3521881
15_15.13	Division 13 - Special Const.	1.00	EA	10,400	1,040	343	943	318	13,044	13044
15_15.16	Division 16 - Electrical	1.00	EA	175,000	17,500	5,775	15,862	5,353	219,490	219490
15_15.17	Division 17 - Instrumentation	1.00	EA	20,000	2,000	660	1,813	612	25,085	25085
15_15.22										
	TOTAL TRWD	1.00	EA	8,390,109	839,011	276,874	760,480	256,662	10,523,135	10523135
	TOTAL Flood Control & Diversion Stru	1.00	EA	23,446,566	2,344,657	773,737	2,125,197	717,254	29,407,410	29407410
19	Building Demolition & Utilities									
19_02	Demolition									
19_02.02	Division 2 - Site Work									
19_02.02.5	Paving - Asphalt	1.00	EA	581,920	58,192	19,203	52,745	17,802	729,862	729862
19_02.02.10	Paving - Concrete	1.00	EA	1,051,812	105,181	34,710	95,336	32,176	1,319,215	1319215
19_02.02.15	Building Demolition	1.00	EA	5,927,130	592,713	195,595	537,235	181,317	7,433,990	7433990
19_02.02.20	Miscellaneous	1.00	EA	400,000	40,000	13,200	36,256	12,236	501,692	501692
	TOTAL Division 2 - Site Work	1.00	EA	7,960,862	796,086	262,708	721,573	243,531	9,984,760	9984760

\*\* PROJECT INDIRECT SUMMARY - Element \*\*

		QUANTY	UOM	DIRECT	FIELD OH	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT
TOTAL Demolition		1.00	EA	7,960,862	796,086	262,708	721,573	243,531	9,984,760	9984760
19_13 Utility Relocation - SS, W, SW										
19_13.02 Division 2 - Site Work										
19_13.02.5	Sanitary Sewer	1.00	EA	543,500	54,350	17,936	49,263	16,626	681,675	681675
19_13.02.10	Water Mains	1.00	EA	226,850	22,685	7,486	20,562	6,940	284,522	284522
19_13.02.15	Storm Sewer	1.00	EA	363,900	36,390	12,009	32,984	11,132	456,415	456415
19_13.02.20	Gas Distribution & Transmissio	1.00	EA	147,100	14,710	4,854	13,333	4,500	184,497	184497
19_13.02.25	Outfall Collection System	1.00	EA	27,396	2,740	904	2,483	838	34,362	34362
TOTAL Division 2 - Site Work		1.00	EA	1,308,746	130,875	43,189	118,625	40,036	1,641,470	1641470
19_13.11	Division 11 - Equipment	1.00	EA	100,000	10,000	3,300	9,064	3,059	125,423	125423
19_13.15 Division 15 - Mechanical										
19_13.15.5	Sanitary Sewer	1.00	EA	3,497,101	349,710	115,404	316,977	106,980	4,386,173	4386173
19_13.15.10	Water Mains	1.00	EA	356,740	35,674	11,772	32,335	10,913	447,434	447434
19_13.15.15	Storm Sewer	1.00	EA	143,200	14,320	4,726	12,980	4,381	179,606	179606
19_13.15.20	Gas Distribution & Transmissio	1.00	EA	673,650	67,365	22,230	61,060	20,608	844,913	844913
TOTAL Division 15 - Mechanical		1.00	EA	4,670,691	467,069	154,133	423,351	142,881	5,858,126	5858126
TOTAL Utility Relocation - SS, W, SW		1.00	EA	6,079,438	607,944	200,621	551,040	185,976	7,625,019	7625019
19_14 Utility Relocation - Elec & Comm										
19_14.02 Division 2 - Site Work										
19_14.02.5	Electrical	1.00	EA	115,086	11,509	3,798	10,431	3,521	144,344	144344
19_14.02.10	Cable	1.00	EA	12,000	1,200	396	1,088	367	15,051	15051
19_14.02.15	Fiber Optic	1.00	EA	238,000	23,800	7,854	21,572	7,281	298,507	298507
19_14.02.20	Miscellaneous	1.00	EA	230,000	23,000	7,590	20,847	7,036	288,473	288473
TOTAL Division 2 - Site Work		1.00	EA	595,086	59,509	19,638	53,939	18,204	746,375	746375
19_14.16 Division 16 - Electrical										
19_14.16.5	Electrical	1.00	EA	524,616	52,462	17,312	47,551	16,049	657,990	657990
19_14.16.10	Cable	1.00	EA	16,844	1,684	556	1,527	515	21,126	21126
19_14.16.15	Fiber Optic	1.00	EA	23,441	2,344	774	2,125	717	29,400	29400
19_14.16.20	Telephone	1.00	EA	192,135	19,213	6,340	17,415	5,878	240,982	240982
19_14.16.25	Miscellaneous	1.00	EA	600,000	60,000	19,800	54,384	18,355	752,539	752539
TOTAL Division 16 - Electrical		1.00	EA	1,357,036	135,704	44,782	123,002	41,513	1,702,037	1702037

\*\* PROJECT INDIRECT SUMMARY - Element \*\*

		QUANTY	UOM	DIRECT	FIELD OH	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT
TOTAL Utility Relocation - Elec & Co		1.00	EA	1,952,122	195,212	64,420	176,940	59,717	2,448,411	2448411
19_15 Transmission Line Relocation										
19_15.02	Division 2 - Site Work	1.00	EA	17,899	1,790	591	1,622	548	22,449	22449
19_15.16	Division 16 - Electrical	1.00	EA	6,000,000	600,000	198,000	543,840	183,546	7,525,386	7525386
TOTAL Transmission Line Relocation		1.00	EA	6,017,899	601,790	198,591	545,462	184,094	7,547,835	7547835
TOTAL Building Demolition & Utilitie		1.00	EA	22,010,320	2,201,032	726,341	1,995,015	673,318	27,606,026	27606026
21 Design Survey, Testing & Legal										
21_5	Design Survey and Testing	1.00	EA	4,598,350	0	0	0	0	4,598,350	4598350
21_10	Legal Costs	1.00	EA	3,500,000	0	0	0	0	3,500,000	3500000
TOTAL Design Survey, Testing & Legal		1.00	EA	8,098,350	0	0	0	0	8,098,350	8098350
22 Program Management										
22_5	Program Management	1.00	EA	17,500,000	0	0	0	0	17,500,000	17500000
TOTAL Program Management		1.00	EA	17,500,000	0	0	0	0	17,500,000	17500000
30 Planning, Engineering & Design										
30_5	A/E Design Service	1.00	EA	17,983,450	0	0	0	0	17,983,450	17983450
30_10	Permitting	1.00	EA	6,150,000	0	0	0	0	6,150,000	6150000
TOTAL Planning, Engineering & Design		1.00	EA	24,133,450	0	0	0	0	24,133,450	24133450
31 Construction Management										
31_5	Const. Management & Testing	1.00	EA	16,728,000	0	0	0	0	16,728,000	16728000
TOTAL Construction Management		1.00	EA	16,728,000	0	0	0	0	16,728,000	16728000
33 HTRW										
33_01	Environmental Assessment	1.00	EA	1,259,550	0	0	0	0	1,259,550	1259550
33_02	Division 2 - Site Work	1.00	EA	12,062,039	1,206,204	398,047	1,093,303	368,990	15,128,583	15128583
33_11	Division 11 - Equipment	1.00	EA	1,540,000	154,000	50,820	139,586	47,110	1,931,516	1931516
33_20	Analytical Testing	1.00	EA	629,650	0	0	0	0	629,650	629650
33_21	Offsite Environmental Coord.	1.00	EA	2,067,000	0	0	0	0	2,067,000	2067000



\*\* PROJECT INDIRECT SUMMARY - Element \*\*

	QUANTITY	UOM	DIRECT	FIELD OH	HOME OFC	PROFIT	BOND	TOTAL COST	UNIT
TOTAL HTRW	1.00	EA	17,558,239	1,360,204	448,867	1,232,889	416,100	21,016,299	21016299
TOTAL Fort Worth Central City	1.00	EA	336,235,001	17883525	5,901,563	16209627	5,470,749	381,700,465	*****
Contingency								53,714,185	
TOTAL INCL OWNER COSTS								435,414,650	

\*\* PROJECT DIRECT SUMMARY - Contract \*\*

	QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT
01 Lands & Damages	1.00	EA	0	0	0	0	66570000	66,570,000	66570000
02 Relocations	1.00	EA	0	0	0	0	20413750	20,413,750	20413750
03 Reservoirs	1.00	EA	139,537	3,886,145	4,284,891	2,357,733	785,426	11,314,196	11314196
04 Samuel Avenue Dam	1.00	EA	198,341	6,289,132	1,638,823	12167134	3553650	23,648,739	23648739
06 Ecosystem Restoration	1.00	EA	3,475	100,200	140,705	0	3642385	3,883,290	3883290
08 Roads and Bridges	1.00	EA	77,073	2,960,792	658,354	3,253,670	35691694	42,564,509	42564509
09 Channel - Bypass	1.00	EA	385,401	10189415	4,122,178	7,012,893	5015531	26,340,017	26340017
13 Stormwater Pumping Facility	1.00	EA	23,942	761,767	159,505	1,314,737	1021560	3,257,568	3257568
14 Recreation Facilities	1.00	EA	113,293	2,920,948	1,243,670	1,428,370	3175019	8,768,006	8768006
15 Flood Control & Diversion Struc.	1.00	EA	162,340	4,363,161	1,148,603	3,836,576	14098226	23,446,566	23446566
19 Building Demolition & Utilities	1.00	EA	171,117	5,907,522	3,668,991	1,107,027	11326780	22,010,320	22010320
21 Design Survey, Testing & Legal	1.00	EA	0	0	0	0	8098350	8,098,350	8098350
22 Program Management	1.00	EA	0	0	0	0	17500000	17,500,000	17500000
30 Planning, Engineering & Design	1.00	EA	0	0	0	0	24133450	24,133,450	24133450
31 Construction Management	1.00	EA	0	0	0	0	16728000	16,728,000	16728000
33 HTRW	1.00	EA	0	0	0	0	17558239	17,558,239	17558239
Fort Worth Central City	1.00	EA	1274518	37379082	17065719	324781392	49312060	336,235,001	*****
Prime Contractor's Field Overhead								17,883,525	
SUBTOTAL								354,118,526	
Prime's Home Office Expense								5,901,563	
SUBTOTAL								360,020,089	
Prime Contractor's Profit								16,209,627	
SUBTOTAL								376,229,716	
Prime Contractor's Bond								5,470,749	
TOTAL INCL INDIRECTS								381,700,465	
Contingency								53,714,185	
TOTAL INCL OWNER COSTS								435,414,650	

\*\* PROJECT DIRECT SUMMARY - Feature \*\*

		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT
-----										
01 Lands & Damages										
01_5	By-Pass Channel	1.00	EA	0	0	0	0	46000000	46,000,000	46000000
01_10	Water Feature	1.00	EA	0	0	0	0	500,000	500,000	500000
01_15	Valley Storage	1.00	EA	0	0	0	0	13405000	13,405,000	13405000
01_20	Marine Creek	1.00	EA	0	0	0	0	400,000	400,000	400000
01_25	Property Acquisition Assistance	1.00	EA	0	0	0	0	6265000	6,265,000	6265000
-----										
TOTAL	Lands & Damages	1.00	EA	0	0	0	0	66570000	66,570,000	66570000
02 Relocations										
02_5	Land Owner Relocation	1.00	EA	0	0	0	0	20413750	20,413,750	20413750
-----										
TOTAL	Relocations	1.00	EA	0	0	0	0	20413750	20,413,750	20413750
03 Reservoirs										
03_16	Valley Storage	1.00	EA	139,537	3,886,145	4,284,891	2,357,733	785,426	11,314,196	11314196
-----										
TOTAL	Reservoirs	1.00	EA	139,537	3,886,145	4,284,891	2,357,733	785,426	11,314,196	11314196
04 Samuel Avenue Dam										
04_02	Division 2 - Site Work	1.00	EA	21,119	904,904	971,940	1,190,259	40,000	3,107,103	3107103
04_03	Division 3 - Concrete	1.00	EA	176,767	4,429,317	501,971	3,625,125	2098250	10,654,663	10654663
04_09	Division 9 - Finishes	1.00	EA	0	0	0	0	350,000	350,000	350000
04_11	Division 11 - Equipment	1.00	EA	0	890,000	160,500	7,279,500	0	8,330,000	8330000
04_13	Division 13 - Special Const.	1.00	EA	0	0	0	0	665,400	665,400	665400
04_16	Division 16 - Electrical	1.00	EA	455	14,912	4,412	22,250	400,000	441,573	441573
04_17	Division 17 - Instrumentation	1.00	EA	0	50,000	0	50,000	0	100,000	100000
-----										
TOTAL	Samuel Avenue Dam	1.00	EA	198,341	6,289,132	1,638,823	12167134	3553650	23,648,739	23648739
06 Ecosystem Restoration										
06_17	Eco-Restoration	1.00	EA	3,475	100,200	140,705	0	3642385	3,883,290	3883290
-----										
TOTAL	Ecosystem Restoration	1.00	EA	3,475	100,200	140,705	0	3642385	3,883,290	3883290
08 Roads and Bridges										
08_08	Henderson Bridge & Roadway	1.00	EA	25,869	730,795	216,165	725,251	11317750	12,989,961	12989961
08_09	White Settlement Bridge & Roadway	1.00	EA	23,388	653,068	170,123	625,035	9071644	10,519,869	10519869
08_10	Main Street Bridge & Roadway	1.00	EA	21,625	551,002	81,344	490,250	12843400	13,965,996	13965996

\*\* PROJECT DIRECT SUMMARY - Feature \*\*

		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT
08_11	White Settlement Extension B & R	1.00	EA	4,212	190,290	46,588	400,604	2458900	3,096,382	3096382
08_12	Street Modifications - General	1.00	EA	1,980	835,637	144,134	1,012,530	0	1,992,301	1992301
TOTAL Roads and Bridges		1.00	EA	77,073	2,960,792	658,354	3,253,670	35691694	42,564,509	42564509
09 Channel - Bypass										
09_05	Bypass Channel - North	1.00	EA	166,094	4,391,965	1,780,627	3,054,967	1512088	10,739,646	10739646
09_06	Bypass Channel - South	1.00	EA	219,308	5,797,450	2,341,551	3,957,926	3503444	15,600,371	15600371
TOTAL Channel - Bypass		1.00	EA	385,401	10189415	4,122,178	7,012,893	5015531	26,340,017	26340017
13 Stormwater Pumping Facility										
13_02	Division 2 - Site Work	1.00	EA	3,737	97,234	62,630	33,394	60,000	253,257	253257
13_03	Division 3 - Concrete	1.00	EA	16,501	413,294	40,650	253,724	211,720	919,388	919388
13_04	Division 4 - Masonry	1.00	EA	301	9,550	266	8,156	0	17,971	17971
13_05	Division 5 - Metals	1.00	EA	2,895	128,673	6,371	52,816	0	187,861	187861
13_07	Division 7 - Thermal & Moisture	1.00	EA	60	1,983	42	8,665	0	10,690	10690
13_09	Division 9 - Finishes	1.00	EA	0	0	0	0	20,000	20,000	20000
13_11	Division 11 - Equipment	1.00	EA	0	104,000	48,000	888,000	100,000	1,140,000	1140000
13_14	Division 14 - Conveying Systems	1.00	EA	72	2,517	350	25,982	0	28,850	28850
13_15	Division 15 - Mechanical	1.00	EA	376	4,514	1,196	44,000	84,840	134,550	134550
13_16	Division 16 - Electrical	1.00	EA	0	0	0	0	405,000	405,000	405000
13_17	Division 17 - Instrumentation	1.00	EA	0	0	0	0	140,000	140,000	140000
TOTAL Stormwater Pumping Facility		1.00	EA	23,942	761,767	159,505	1,314,737	1021560	3,257,568	3257568
14 Recreation Facilities										
14_07	Water Feature	1.00	EA	113,293	2,920,948	1,243,670	1,428,370	3175019	8,768,006	8768006
TOTAL Recreation Facilities		1.00	EA	113,293	2,920,948	1,243,670	1,428,370	3175019	8,768,006	8768006
15 Flood Control & Diversion Struc.										
15_5	Clear Fork	1.00	EA	55,836	1,497,957	460,632	1,076,899	4477344	7,512,833	7512833
15_10	Trinity Point	1.00	EA	31,216	865,717	262,618	1,082,779	5332510	7,543,624	7543624
15_15	TRWD	1.00	EA	75,287	1,999,486	425,353	1,676,897	4288373	8,390,109	8390109
TOTAL Flood Control & Diversion Struc.		1.00	EA	162,340	4,363,161	1,148,603	3,836,576	14098226	23,446,566	23446566
19 Building Demolition & Utilities										
19_02	Demolition	1.00	EA	155,929	4,637,650	3,273,212	50,000	0	7,960,862	7960862
19_13	Utility Relocation - SS, W, SW	1.00	EA	3,310	343,533	129,483	279,642	5326780	6,079,438	6079438

\*\* PROJECT DIRECT SUMMARY - Feature \*\*

		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT
19_14	Utility Relocation - Elec & Comm	1.00	EA	11,424	913,265	261,472	777,385	0	1,952,122	1952122
19_15	Transmission Line Relocation	1.00	EA	454	13,074	4,824	0	6000000	6,017,899	6017899
-----										
TOTAL	Building Demolition & Utilities	1.00	EA	171,117	5,907,522	3,668,991	1,107,027	11326780	22,010,320	22010320
21	Design Survey, Testing & Legal									
21_5	Design Survey and Testing	1.00	EA	0	0	0	0	4598350	4,598,350	4598350
21_10	Legal Costs	1.00	EA	0	0	0	0	3500000	3,500,000	3500000
-----										
TOTAL	Design Survey, Testing & Legal	1.00	EA	0	0	0	0	8098350	8,098,350	8098350
22	Program Management									
22_5	Program Management	1.00	EA	0	0	0	0	17500000	17,500,000	17500000
-----										
TOTAL	Program Management	1.00	EA	0	0	0	0	17500000	17,500,000	17500000
30	Planning, Engineering & Design									
30_5	A/E Design Service	1.00	EA	0	0	0	0	17983450	17,983,450	17983450
30_10	Permitting	1.00	EA	0	0	0	0	6150000	6,150,000	6150000
-----										
TOTAL	Planning, Engineering & Design	1.00	EA	0	0	0	0	24133450	24,133,450	24133450
31	Construction Management									
31_5	Const. Management & Testing	1.00	EA	0	0	0	0	16728000	16,728,000	16728000
-----										
TOTAL	Construction Management	1.00	EA	0	0	0	0	16728000	16,728,000	16728000
33	HTRW									
33_01	Environmental Assessment	1.00	EA	0	0	0	0	1259550	1,259,550	1259550
33_02	Division 2 - Site Work	1.00	EA	0	0	0	0	12062039	12,062,039	12062039
33_11	Division 11 - Equipment	1.00	EA	0	0	0	0	1540000	1,540,000	1540000
33_20	Analytical Testing	1.00	EA	0	0	0	0	629,650	629,650	629650
33_21	Offsite Environmental Coord.	1.00	EA	0	0	0	0	2067000	2,067,000	2067000
-----										
TOTAL	HTRW	1.00	EA	0	0	0	0	17558239	17,558,239	17558239
TOTAL	Fort Worth Central City	1.00	EA	1274518	37379082	17065719	32478139	249312060	336,235,001	*****
	Prime Contractor's Field Overhead								17,883,525	
-----										
	SUBTOTAL								354,118,526	

\*\* PROJECT DIRECT SUMMARY - Feature \*\*

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	QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT
Prime's Home Office Expense								5,901,563	
								-----	
SUBTOTAL								360,020,089	
Prime Contractor's Profit								16,209,627	
								-----	
SUBTOTAL								376,229,716	
Prime Contractor's Bond								5,470,749	
								-----	
TOTAL INCL INDIRECTS								381,700,465	
Contingency								53,714,185	
								-----	
TOTAL INCL OWNER COSTS								435,414,650	

\*\* PROJECT DIRECT SUMMARY - Sub Feat \*\*

		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT
-----										
01 Lands & Damages										
01_5	By-Pass Channel	1.00	EA	0	0	0	0	46000000	46,000,000	46000000
01_10	Water Feature	1.00	EA	0	0	0	0	500,000	500,000	500000
01_15	Valley Storage	1.00	EA	0	0	0	0	13405000	13,405,000	13405000
01_20	Marine Creek	1.00	EA	0	0	0	0	400,000	400,000	400000
01_25	Property Acquisition Assistance	1.00	EA	0	0	0	0	6265000	6,265,000	6265000
-----										
	TOTAL Lands & Damages	1.00	EA	0	0	0	0	66570000	66,570,000	66570000
02 Relocations										
02_5	Land Owner Relocation	1.00	EA	0	0	0	0	20413750	20,413,750	20413750
-----										
	TOTAL Relocations	1.00	EA	0	0	0	0	20413750	20,413,750	20413750
03 Reservoirs										
03_16 Valley Storage										
03_16.5	Riverbend	1.00	EA	57,031	1,580,095	2,029,726	761,067	369,951	4,740,838	4740838
03_16.10	Samuel Avenue Sites	1.00	EA	25,231	717,151	909,618	319,915	0	1,946,683	1946683
03_16.15	I-35 Sites	1.00	EA	27,851	785,934	1,192,206	42,642	0	2,020,782	2020782
03_16.20	University Drive	1.00	EA	29,424	802,966	153,342	1,234,110	415,475	2,605,893	2605893
-----										
	TOTAL Valley Storage	1.00	EA	139,537	3,886,145	4,284,891	2,357,733	785,426	11,314,196	11314196
-----										
	TOTAL Reservoirs	1.00	EA	139,537	3,886,145	4,284,891	2,357,733	785,426	11,314,196	11314196
04 Samuel Avenue Dam										
04_02	Division 2 - Site Work	1.00	EA	21,119	904,904	971,940	1,190,259	40,000	3,107,103	3107103
04_03	Division 3 - Concrete	1.00	EA	176,767	4,429,317	501,971	3,625,125	2098250	10,654,663	10654663
04_09	Division 9 - Finishes	1.00	EA	0	0	0	0	350,000	350,000	350000
04_11	Division 11 - Equipment	1.00	EA	0	890,000	160,500	7,279,500	0	8,330,000	8330000
04_13	Division 13 - Special Const.	1.00	EA	0	0	0	0	665,400	665,400	665400
04_16	Division 16 - Electrical	1.00	EA	455	14,912	4,412	22,250	400,000	441,573	441573
04_17	Division 17 - Instrumentation	1.00	EA	0	50,000	0	50,000	0	100,000	100000
-----										
	TOTAL Samuel Avenue Dam	1.00	EA	198,341	6,289,132	1,638,823	12167134	3553650	23,648,739	23648739
06 Ecosystem Restoration										
06_17 Eco-Restoration										
06_17.5	Riverbend	1.00	EA	0	0	0	0	2806905	2,806,905	2806905

\*\* PROJECT DIRECT SUMMARY - Sub Feat \*\*

		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT
06_17.10	Rockwood	1.00	EA	3,475	100,200	140,705	0	207,145	448,050	448050
06_17.15	Samuel Avenue Sites	1.00	EA	0	0	0	0	443,008	443,008	443008
06_17.20	I-35 Sites	1.00	EA	0	0	0	0	185,328	185,328	185328
TOTAL Eco-Restoration		1.00	EA	3,475	100,200	140,705	0	3642385	3,883,290	3883290
TOTAL Ecosystem Restoration		1.00	EA	3,475	100,200	140,705	0	3642385	3,883,290	3883290
08 Roads and Bridges										
08_08 Henderson Bridge & Roadway										
08_08.02	Division 2 - Site Work	1.00	EA	6,269	240,795	164,165	434,751	567,500	1,407,211	1407211
08_08.03	Division 3 - Concrete	1.00	EA	19,600	490,000	52,000	290,500	10750250	11,582,750	11582750
TOTAL Henderson Bridge & Roadway		1.00	EA	25,869	730,795	216,165	725,251	11317750	12,989,961	12989961
08_09 White Settlement Bridge & Roadway										
08_09.02	Division 2 - Site Work	1.00	EA	4,573	182,693	120,223	346,185	452,500	1,101,600	1101600
08_09.03	Division 3 - Concrete	1.00	EA	18,815	470,375	49,900	278,850	8619144	9,418,269	9418269
TOTAL White Settlement Bridge & Roadway		1.00	EA	23,388	653,068	170,123	625,035	9071644	10,519,869	10519869
08_10 Main Street Bridge & Roadway										
08_10.02	Division 2 - Site Work	1.00	EA	3,525	98,502	33,344	222,000	270,000	623,846	623846
08_10.03	Division 3 - Concrete	1.00	EA	18,100	452,500	48,000	268,250	12573400	13,342,150	13342150
TOTAL Main Street Bridge & Roadway		1.00	EA	21,625	551,002	81,344	490,250	12843400	13,965,996	13965996
08_11 White Settlement Extension B & R										
08_11.02	Division 2 - Site Work	1.00	EA	4,212	190,290	46,588	400,604	250,000	887,482	887482
08_11.03	Division 3 - Concrete	1.00	EA	0	0	0	0	2208900	2,208,900	2208900
TOTAL White Settlement Extension B & R		1.00	EA	4,212	190,290	46,588	400,604	2458900	3,096,382	3096382
08_12 Street Modifications - General										
08_12.02	Division 2 - Site Work	1.00	EA	1,980	560,637	144,134	737,530	0	1,442,301	1442301
08_12.16	Division 16 - Electrical	1.00	EA	0	275,000	0	275,000	0	550,000	550000
TOTAL Street Modifications - General		1.00	EA	1,980	835,637	144,134	1,012,530	0	1,992,301	1992301
TOTAL Roads and Bridges		1.00	EA	77,073	2,960,792	658,354	3,253,670	35691694	42,564,509	42564509



\*\* PROJECT DIRECT SUMMARY - Sub Feat \*\*

		QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT
-----										
09 Channel - Bypass										
09_05 Bypass Channel - North										
09_05.02	Division 2 - Site Work	1.00	EA	42,904	1,312,215	1,466,427	1,240,167	0	4,018,809	4018809
09_05.03	Division 3 - Concrete	1.00	EA	123,190	3,079,750	314,200	1,814,800	1512088	6,720,838	6720838
-----										
TOTAL Bypass Channel - North		1.00	EA	166,094	4,391,965	1,780,627	3,054,967	1512088	10,739,646	10739646
09_06 Bypass Channel - South										
09_06.02	Division 2 - Site Work	1.00	EA	56,093	1,717,075	1,925,251	1,553,476	0	5,195,802	5195802
09_06.03	Division 3 - Concrete	1.00	EA	163,215	4,080,375	416,300	2,404,450	3503444	10,404,569	10404569
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TOTAL Bypass Channel - South		1.00	EA	219,308	5,797,450	2,341,551	3,957,926	3503444	15,600,371	15600371
TOTAL Channel - Bypass		1.00	EA	385,401	10189415	4,122,178	7,012,893	5015531	26,340,017	26340017
13 Stormwater Pumping Facility										
13_02	Division 2 - Site Work	1.00	EA	3,737	97,234	62,630	33,394	60,000	253,257	253257
13_03	Division 3 - Concrete	1.00	EA	16,501	413,294	40,650	253,724	211,720	919,388	919388
13_04	Division 4 - Masonry	1.00	EA	301	9,550	266	8,156	0	17,971	17971
13_05	Division 5 - Metals	1.00	EA	2,895	128,673	6,371	52,816	0	187,861	187861
13_07	Division 7 - Thermal & Moisture	1.00	EA	60	1,983	42	8,665	0	10,690	10690
13_09	Division 9 - Finishes	1.00	EA	0	0	0	0	20,000	20,000	20000
13_11	Division 11 - Equipment	1.00	EA	0	104,000	48,000	888,000	100,000	1,140,000	1140000
13_14	Division 14 - Conveying Systems	1.00	EA	72	2,517	350	25,982	0	28,850	28850
13_15	Division 15 - Mechanical	1.00	EA	376	4,514	1,196	44,000	84,840	134,550	134550
13_16	Division 16 - Electrical	1.00	EA	0	0	0	0	405,000	405,000	405000
13_17	Division 17 - Instrumentation	1.00	EA	0	0	0	0	140,000	140,000	140000
-----										
TOTAL Stormwater Pumping Facility		1.00	EA	23,942	761,767	159,505	1,314,737	1021560	3,257,568	3257568
14 Recreation Facilities										
14_07 Water Feature										
14_07.5	Water Feature	1.00	EA	93,268	2,420,323	1,191,770	1,132,645	2393150	7,137,888	7137888
14_07.10	Marine Creek	1.00	EA	20,025	500,625	51,900	295,725	781,869	1,630,119	1630119
-----										
TOTAL Water Feature		1.00	EA	113,293	2,920,948	1,243,670	1,428,370	3175019	8,768,006	8768006
TOTAL Recreation Facilities		1.00	EA	113,293	2,920,948	1,243,670	1,428,370	3175019	8,768,006	8768006
15 Flood Control & Diversion Struc.										

\*\* PROJECT DIRECT SUMMARY - Sub Feat \*\*

		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT
-----										
15_5 Clear Fork										
15_5.02	Division 2 - Site Work	1.00	EA	10,059	352,349	375,717	426,240	0	1,154,306	1154306
15_5.03	Division 3 - Concrete	1.00	EA	45,719	1,142,975	84,860	641,360	193,944	2,063,139	2063139
15_5.05	Division 5 - Metals	1.00	EA	59	2,634	55	9,299	0	11,988	11988
15_5.09	Division 9 - Finishes	1.00	EA	0	0	0	0	1110000	1,110,000	1110000
15_5.11	Division 11 - Equipment	1.00	EA	0	0	0	0	2808000	2,808,000	2808000
15_5.13	Division 13 - Special Const.	1.00	EA	0	0	0	0	10,400	10,400	10400
15_5.16	Division 16 - Electrical	1.00	EA	0	0	0	0	335,000	335,000	335000
15_5.17	Division 17 - Instrumentation	1.00	EA	0	0	0	0	20,000	20,000	20000
-----										
TOTAL Clear Fork		1.00	EA	55,836	1,497,957	460,632	1,076,899	4477344	7,512,833	7512833
-----										
15_10 Trinity Point										
15_10.02	Division 2 - Site Work	1.00	EA	5,513	222,009	200,144	701,480	0	1,123,632	1123632
15_10.03	Division 3 - Concrete	1.00	EA	25,645	641,125	62,420	371,325	210,210	1,285,080	1285080
15_10.05	Division 5 - Metals	1.00	EA	57	2,584	53	9,974	0	12,612	12612
15_10.09	Division 9 - Finishes	1.00	EA	0	0	0	0	1110000	1,110,000	1110000
15_10.11	Division 11 - Equipment	1.00	EA	0	0	0	0	3643000	3,643,000	3643000
15_10.13	Division 13 - Special Const.	1.00	EA	0	0	0	0	14,300	14,300	14300
15_10.16	Division 16 - Electrical	1.00	EA	0	0	0	0	335,000	335,000	335000
15_10.17	Division 17 - Instrumentation	1.00	EA	0	0	0	0	20,000	20,000	20000
15_10.27										
-----										
TOTAL Trinity Point		1.00	EA	31,216	865,717	262,618	1,082,779	5332510	7,543,624	7543624
-----										
15_15 TRWD										
15_15.02	Division 2 - Site Work	1.00	EA	9,407	351,226	354,853	785,253	0	1,491,332	1491332
15_15.03	Division 3 - Concrete	1.00	EA	65,816	1,645,400	70,440	881,770	164,973	2,762,583	2762583
15_15.05	Division 5 - Metals	1.00	EA	63	2,823	60	9,516	0	12,399	12399
15_15.08	Division 8 - Doors & Windows	1.00	EA	1	37	0	359	0	396	395.59
15_15.09	Division 9 - Finishes	1.00	EA	0	0	0	0	1110000	1,110,000	1110000
15_15.11	Division 11 - Equipment	1.00	EA	0	0	0	0	2808000	2,808,000	2808000
15_15.13	Division 13 - Special Const.	1.00	EA	0	0	0	0	10,400	10,400	10400
15_15.16	Division 16 - Electrical	1.00	EA	0	0	0	0	175,000	175,000	175000
15_15.17	Division 17 - Instrumentation	1.00	EA	0	0	0	0	20,000	20,000	20000
15_15.22										
-----										
TOTAL TRWD		1.00	EA	75,287	1,999,486	425,353	1,676,897	4288373	8,390,109	8390109
-----										
TOTAL Flood Control & Diversion Struc.		1.00	EA	162,340	4,363,161	1,148,603	3,836,576	14098226	23,446,566	23446566

19 Building Demolition & Utilities

19\_02 Demolition

\*\* PROJECT DIRECT SUMMARY - Sub Feat \*\*

		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT
19_02.02	Division 2 - Site Work	1.00	EA	155,929	4,637,650	3,273,212	50,000	0	7,960,862	7960862
	TOTAL Demolition	1.00	EA	155,929	4,637,650	3,273,212	50,000	0	7,960,862	7960862
19_13	Utility Relocation - SS, W, SW									
19_13.02	Division 2 - Site Work	1.00	EA	2,588	149,966	71,138	156,292	931,350	1,308,746	1308746
19_13.11	Division 11 - Equipment	1.00	EA	0	60,000	15,000	25,000	0	100,000	100000
19_13.15	Division 15 - Mechanical	1.00	EA	722	133,567	43,345	98,350	4395430	4,670,691	4670691
	TOTAL Utility Relocation - SS, W, SW	1.00	EA	3,310	343,533	129,483	279,642	5326780	6,079,438	6079438
19_14	Utility Relocation - Elec & Comm									
19_14.02	Division 2 - Site Work	1.00	EA	5,055	347,886	96,800	150,400	0	595,086	595086
19_14.16	Division 16 - Electrical	1.00	EA	6,369	565,380	164,672	626,985	0	1,357,036	1357036
	TOTAL Utility Relocation - Elec & Comm	1.00	EA	11,424	913,265	261,472	777,385	0	1,952,122	1952122
19_15	Transmission Line Relocation									
19_15.02	Division 2 - Site Work	1.00	EA	454	13,074	4,824	0	0	17,899	17899
19_15.16	Division 16 - Electrical	1.00	EA	0	0	0	0	6000000	6,000,000	6000000
	TOTAL Transmission Line Relocation	1.00	EA	454	13,074	4,824	0	6000000	6,017,899	6017899
	TOTAL Building Demolition & Utilities	1.00	EA	171,117	5,907,522	3,668,991	1,107,027	11326780	22,010,320	22010320
21	Design Survey, Testing & Legal									
21_5	Design Survey and Testing	1.00	EA	0	0	0	0	4598350	4,598,350	4598350
21_10	Legal Costs	1.00	EA	0	0	0	0	3500000	3,500,000	3500000
	TOTAL Design Survey, Testing & Legal	1.00	EA	0	0	0	0	8098350	8,098,350	8098350
22	Program Management									
22_5	Program Management	1.00	EA	0	0	0	0	17500000	17,500,000	17500000
	TOTAL Program Management	1.00	EA	0	0	0	0	17500000	17,500,000	17500000
30	Planning, Engineering & Design									
30_5	A/E Design Service	1.00	EA	0	0	0	0	17983450	17,983,450	17983450

\*\* PROJECT DIRECT SUMMARY - Sub Feat \*\*

		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT
30_10	Permitting	1.00	EA	0	0	0	0	6150000	6,150,000	6150000
TOTAL Planning, Engineering & Design		1.00	EA	0	0	0	0	24133450	24,133,450	24133450
31	Construction Management									
31_5	Const. Management & Testing	1.00	EA	0	0	0	0	16728000	16,728,000	16728000
TOTAL Construction Management		1.00	EA	0	0	0	0	16728000	16,728,000	16728000
33	HTRW									
33_01	Environmental Assessment	1.00	EA	0	0	0	0	1259550	1,259,550	1259550
33_02	Division 2 - Site Work	1.00	EA	0	0	0	0	12062039	12,062,039	12062039
33_11	Division 11 - Equipment	1.00	EA	0	0	0	0	1540000	1,540,000	1540000
33_20	Analytical Testing	1.00	EA	0	0	0	0	629,650	629,650	629650
33_21	Offsite Environmental Coord.	1.00	EA	0	0	0	0	2067000	2,067,000	2067000
TOTAL HTRW		1.00	EA	0	0	0	0	17558239	17,558,239	17558239
TOTAL Fort Worth Central City		1.00	EA	1274518	37379082	17065719	32478139	249312060	336,235,001	*****
Prime Contractor's Field Overhead									17,883,525	
SUBTOTAL									354,118,526	
Prime's Home Office Expense									5,901,563	
SUBTOTAL									360,020,089	
Prime Contractor's Profit									16,209,627	
SUBTOTAL									376,229,716	
Prime Contractor's Bond									5,470,749	
TOTAL INCL INDIRECTS									381,700,465	
Contingency									53,714,185	
TOTAL INCL OWNER COSTS									435,414,650	

\*\* PROJECT DIRECT SUMMARY - Element \*\*

		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT
-----										
01 Lands & Damages										
01_5	By-Pass Channel	1.00	EA	0	0	0	0	46000000	46,000,000	46000000
01_10	Water Feature	1.00	EA	0	0	0	0	500,000	500,000	500000
01_15	Valley Storage	1.00	EA	0	0	0	0	13405000	13,405,000	13405000
01_20	Marine Creek	1.00	EA	0	0	0	0	400,000	400,000	400000
01_25	Property Acquisition Assistance	1.00	EA	0	0	0	0	6265000	6,265,000	6265000
-----										
	TOTAL Lands & Damages	1.00	EA	0	0	0	0	66570000	66,570,000	66570000
02 Relocations										
02_5	Land Owner Relocation	1.00	EA	0	0	0	0	20413750	20,413,750	20413750
-----										
	TOTAL Relocations	1.00	EA	0	0	0	0	20413750	20,413,750	20413750
03 Reservoirs										
03_16 Valley Storage										
03_16.5 Riverbend										
03_16.5.02	Division 2 - Site Work	1.00	EA	55,712	1,542,162	2,018,433	701,882	73,620	4,336,097	4336097
03_16.5.03	Division 3 - Concrete	1.00	EA	385	9,625	900	5,600	4,331	20,456	20456
03_16.5.05	Division 5 - Metals	1.00	EA	41	1,353	511	3,112	0	4,976	4976.41
03_16.5.11	Division 11 - Equipment	1.00	EA	80	2,400	2,000	30,000	0	34,400	34400
03_16.5.15	Division 15 - Mechanical	1.00	EA	814	24,554	7,882	20,472	282,000	334,908	334908
03_16.5.16	Division 16 - Electrical	1.00	EA	0	0	0	0	10,000	10,000	10000
03_16.5.21										
-----										
	TOTAL Riverbend	1.00	EA	57,031	1,580,095	2,029,726	761,067	369,951	4,740,838	4740838
03_16.10 Samuel Avenue Sites										
03_16.10.02	Division 2 - Site Work	1.00	EA	25,099	713,526	909,333	314,984	0	1,937,843	1937843
03_16.10.15	Division 15 - Mechanical	1.00	EA	132	3,625	285	4,931	0	8,840	8840.31
-----										
	TOTAL Samuel Avenue Sites	1.00	EA	25,231	717,151	909,618	319,915	0	1,946,683	1946683
03_16.15 I-35 Sites										
03_16.15.02	Division 2 - Site Work	1.00	EA	27,719	780,304	1,191,246	36,211	0	2,007,761	2007761
03_16.15.16	Division 16 - Electrical	1.00	EA	132	5,630	960	6,430	0	13,021	13021
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	TOTAL I-35 Sites	1.00	EA	27,851	785,934	1,192,206	42,642	0	2,020,782	2020782

\*\* PROJECT DIRECT SUMMARY - Element \*\*

		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT
-----										
03_16.20 University Drive										
03_16.20.02	Division 2 - Site Work	1.00	EA	19,495	542,803	119,874	832,293	25,000	1,519,969	1519969
03_16.20.03	Division 3 - Concrete	1.00	EA	7,360	184,000	18,800	108,450	90,475	401,725	401725
03_16.20.05	Division 5 - Metals	1.00	EA	148	6,597	186	29,385	0	36,168	36168
03_16.20.15	Division 15 - Mechanical	1.00	EA	2,421	69,566	14,482	263,983	0	348,031	348031
03_16.20.16	Division 16 - Electrical	1.00	EA	0	0	0	0	300,000	300,000	300000
-----										
TOTAL University Drive		1.00	EA	29,424	802,966	153,342	1,234,110	415,475	2,605,893	2605893
-----										
TOTAL Valley Storage		1.00	EA	139,537	3,886,145	4,284,891	2,357,733	785,426	11,314,196	11314196
-----										
TOTAL Reservoirs		1.00	EA	139,537	3,886,145	4,284,891	2,357,733	785,426	11,314,196	11314196
-----										
04 Samuel Avenue Dam										
04_02	Division 2 - Site Work	1.00	EA	21,119	904,904	971,940	1,190,259	40,000	3,107,103	3107103
04_03	Division 3 - Concrete	1.00	EA	176,767	4,429,317	501,971	3,625,125	2098250	10,654,663	10654663
04_09	Division 9 - Finishes	1.00	EA	0	0	0	0	350,000	350,000	350000
04_11	Division 11 - Equipment	1.00	EA	0	890,000	160,500	7,279,500	0	8,330,000	8330000
04_13	Division 13 - Special Const.	1.00	EA	0	0	0	0	665,400	665,400	665400
04_16	Division 16 - Electrical	1.00	EA	455	14,912	4,412	22,250	400,000	441,573	441573
04_17	Division 17 - Instrumentation	1.00	EA	0	50,000	0	50,000	0	100,000	100000
-----										
TOTAL Samuel Avenue Dam		1.00	EA	198,341	6,289,132	1,638,823	12167134	3553650	23,648,739	23648739
-----										
06 Ecosystem Restoration										
06_17 Eco-Restoration										
06_17.5 Riverbend										
06_17.5.02	Division 2 - Site Work	1.00	EA	0	0	0	0	2806905	2,806,905	2806905
-----										
TOTAL Riverbend		1.00	EA	0	0	0	0	2806905	2,806,905	2806905
-----										
06_17.10 Rockwood										
06_17.10.02	Division 2 - Site Work	1.00	EA	3,475	100,200	140,705	0	207,145	448,050	448050
-----										
TOTAL Rockwood		1.00	EA	3,475	100,200	140,705	0	207,145	448,050	448050
-----										
06_17.15 Samuel Avenue Sites										
06_17.15.02	Division 2 - Site Work	1.00	EA	0	0	0	0	443,008	443,008	443008
-----										
TOTAL Samuel Avenue Sites		1.00	EA	0	0	0	0	443,008	443,008	443008
-----										

\*\* PROJECT DIRECT SUMMARY - Element \*\*

		QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT
-----										
06_17.20 I-35 Sites										
06_17.20.02	Division 2 - Site Work	1.00	EA	0	0	0	0	185,328	185,328	185328
-----										
	TOTAL I-35 Sites	1.00	EA	0	0	0	0	185,328	185,328	185328
-----										
	TOTAL Eco-Restoration	1.00	EA	3,475	100,200	140,705	0	3642385	3,883,290	3883290
-----										
	TOTAL Ecosystem Restoration	1.00	EA	3,475	100,200	140,705	0	3642385	3,883,290	3883290
-----										
08 Roads and Bridges										
08_08 Henderson Bridge & Roadway										
08_08.02	Division 2 - Site Work	1.00	EA	6,269	240,795	164,165	434,751	567,500	1,407,211	1407211
08_08.03	Division 3 - Concrete	1.00	EA	19,600	490,000	52,000	290,500	10750250	11,582,750	11582750
-----										
	TOTAL Henderson Bridge & Roadway	1.00	EA	25,869	730,795	216,165	725,251	11317750	12,989,961	12989961
-----										
08_09 White Settlement Bridge & Roadway										
08_09.02	Division 2 - Site Work	1.00	EA	4,573	182,693	120,223	346,185	452,500	1,101,600	1101600
08_09.03	Division 3 - Concrete	1.00	EA	18,815	470,375	49,900	278,850	8619144	9,418,269	9418269
-----										
	TOTAL White Settlement Bridge & Roadway	1.00	EA	23,388	653,068	170,123	625,035	9071644	10,519,869	10519869
-----										
08_10 Main Street Bridge & Roadway										
08_10.02	Division 2 - Site Work	1.00	EA	3,525	98,502	33,344	222,000	270,000	623,846	623846
08_10.03	Division 3 - Concrete	1.00	EA	18,100	452,500	48,000	268,250	12573400	13,342,150	13342150
-----										
	TOTAL Main Street Bridge & Roadway	1.00	EA	21,625	551,002	81,344	490,250	12843400	13,965,996	13965996
-----										
08_11 White Settlement Extension B & R										
08_11.02	Division 2 - Site Work	1.00	EA	4,212	190,290	46,588	400,604	250,000	887,482	887482
08_11.03	Division 3 - Concrete	1.00	EA	0	0	0	0	2208900	2,208,900	2208900
-----										
	TOTAL White Settlement Extension B & R	1.00	EA	4,212	190,290	46,588	400,604	2458900	3,096,382	3096382
-----										
08_12 Street Modifications - General										
08_12.02	Division 2 - Site Work	1.00	EA	1,980	560,637	144,134	737,530	0	1,442,301	1442301
08_12.16	Division 16 - Electrical	1.00	EA	0	275,000	0	275,000	0	550,000	550000
-----										

\*\* PROJECT DIRECT SUMMARY - Element \*\*

	QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT
TOTAL Street Modifications - General	1.00	EA	1,980	835,637	144,134	1,012,530	0	1,992,301	1992301
TOTAL Roads and Bridges	1.00	EA	77,073	2,960,792	658,354	3,253,670	35691694	42,564,509	42564509
09 Channel - Bypass									
09_05 Bypass Channel - North									
09_05.02 Division 2 - Site Work	1.00	EA	42,904	1,312,215	1,466,427	1,240,167	0	4,018,809	4018809
TOTAL Division 2 - Site Work	1.00	EA	42,904	1,312,215	1,466,427	1,240,167	0	4,018,809	4018809
09_05.03 Division 3 - Concrete									
09_05.03.5 Lower Wall	1.00	EA	44,065	1,101,625	113,900	650,475	548,144	2,414,144	2414144
09_05.03.10 Middle Wall	1.00	EA	32,290	807,250	82,000	475,375	394,625	1,759,250	1759250
09_05.03.15 Upper Wall	1.00	EA	46,835	1,170,875	118,300	688,950	569,319	2,547,444	2547444
TOTAL Division 3 - Concrete	1.00	EA	123,190	3,079,750	314,200	1,814,800	1512088	6,720,838	6720838
TOTAL Bypass Channel - North	1.00	EA	166,094	4,391,965	1,780,627	3,054,967	1512088	10,739,646	10739646
09_06 Bypass Channel - South									
09_06.02 Division 2 - Site Work	1.00	EA	56,093	1,717,075	1,925,251	1,553,476	0	5,195,802	5195802
TOTAL Division 2 - Site Work	1.00	EA	56,093	1,717,075	1,925,251	1,553,476	0	5,195,802	5195802
09_06.03 Division 3 - Concrete									
09_06.03.5 Lower Wall	1.00	EA	58,375	1,459,375	150,900	861,725	726,206	3,198,206	3198206
09_06.03.10 Middle Wall	1.00	EA	42,805	1,070,125	108,700	630,175	523,119	2,332,119	2332119
09_06.03.15 Upper Wall	1.00	EA	62,035	1,550,875	156,700	912,550	754,119	3,374,244	3374244
09_06.03.20 Pedestrian Crossings	1.00	EA	0	0	0	0	1500000	1,500,000	1500000
TOTAL Division 3 - Concrete	1.00	EA	163,215	4,080,375	416,300	2,404,450	3503444	10,404,569	10404569
TOTAL Bypass Channel - South	1.00	EA	219,308	5,797,450	2,341,551	3,957,926	3503444	15,600,371	15600371
TOTAL Channel - Bypass	1.00	EA	385,401	10189415	4,122,178	7,012,893	5015531	26,340,017	26340017
13 Stormwater Pumping Facility									
13_02 Division 2 - Site Work	1.00	EA	3,737	97,234	62,630	33,394	60,000	253,257	253257
13_03 Division 3 - Concrete	1.00	EA	16,501	413,294	40,650	253,724	211,720	919,388	919388
13_04 Division 4 - Masonry	1.00	EA	301	9,550	266	8,156	0	17,971	17971



\*\* PROJECT DIRECT SUMMARY - Element \*\*

		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT
13_05	Division 5 - Metals	1.00	EA	2,895	128,673	6,371	52,816	0	187,861	187861
13_07	Division 7 - Thermal & Moisture	1.00	EA	60	1,983	42	8,665	0	10,690	10690
13_09	Division 9 - Finishes	1.00	EA	0	0	0	0	20,000	20,000	20000
13_11	Division 11 - Equipment	1.00	EA	0	104,000	48,000	888,000	100,000	1,140,000	1140000
13_14	Division 14 - Conveying Systems	1.00	EA	72	2,517	350	25,982	0	28,850	28850
13_15	Division 15 - Mechanical	1.00	EA	376	4,514	1,196	44,000	84,840	134,550	134550
13_16	Division 16 - Electrical	1.00	EA	0	0	0	0	405,000	405,000	405000
13_17	Division 17 - Instrumentation	1.00	EA	0	0	0	0	140,000	140,000	140000
TOTAL Stormwater Pumping Facility		1.00	EA	23,942	761,767	159,505	1,314,737	1021560	3,257,568	3257568
14 Recreation Facilities										
14_07 Water Feature										
14_07. 5 Water Feature										
14_07. 5.02	Division 2 - Site Work	1.00	EA	26,628	754,323	1,016,570	146,345	0	1,917,238	1917238
14_07. 5.03	Division 3 - Concrete	1.00	EA	66,640	1,666,000	175,200	986,300	1243150	4,070,650	4070650
14_07. 5.11	Division 11 - Equipment	1.00	EA	0	0	0	0	300,000	300,000	300000
14_07. 5.15	Division 15 - Mechanical	1.00	EA	0	0	0	0	350,000	350,000	350000
14_07. 5.16	Division 16 - Electrical	1.00	EA	0	0	0	0	500,000	500,000	500000
TOTAL Water Feature		1.00	EA	93,268	2,420,323	1,191,770	1,132,645	2393150	7,137,888	7137888
14_07.10 Marine Creek										
14_07.10.02	Division 2 - Site Work	1.00	EA	0	0	0	0	432,100	432,100	432100
14_07.10.03	Division 3 - Concrete	1.00	EA	20,025	500,625	51,900	295,725	249,769	1,098,019	1098019
14_07.10.16	Division 16 - Electrical	1.00	EA	0	0	0	0	100,000	100,000	100000
TOTAL Marine Creek		1.00	EA	20,025	500,625	51,900	295,725	781,869	1,630,119	1630119
TOTAL Water Feature		1.00	EA	113,293	2,920,948	1,243,670	1,428,370	3175019	8,768,006	8768006
TOTAL Recreation Facilities		1.00	EA	113,293	2,920,948	1,243,670	1,428,370	3175019	8,768,006	8768006
15 Flood Control & Diversion Struc.										
15_ 5 Clear Fork										
15_ 5.02	Division 2 - Site Work	1.00	EA	10,059	352,349	375,717	426,240	0	1,154,306	1154306
15_ 5.03	Division 3 - Concrete	1.00	EA	45,719	1,142,975	84,860	641,360	193,944	2,063,139	2063139
15_ 5.05	Division 5 - Metals	1.00	EA	59	2,634	55	9,299	0	11,988	11988
15_ 5.09	Division 9 - Finishes	1.00	EA	0	0	0	0	1110000	1,110,000	1110000
15_ 5.11	Division 11 - Equipment	1.00	EA	0	0	0	0	2808000	2,808,000	2808000
15_ 5.13	Division 13 - Special Const.	1.00	EA	0	0	0	0	10,400	10,400	10400
15_ 5.16	Division 16 - Electrical	1.00	EA	0	0	0	0	335,000	335,000	335000

\*\* PROJECT DIRECT SUMMARY - Element \*\*

		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT
15_5.17	Division 17 - Instrumentation	1.00	EA	0	0	0	0	20,000	20,000	20000
TOTAL Clear Fork		1.00	EA	55,836	1,497,957	460,632	1,076,899	4477344	7,512,833	7512833
15_10	Trinity Point									
15_10.02	Division 2 - Site Work	1.00	EA	5,513	222,009	200,144	701,480	0	1,123,632	1123632
15_10.03	Division 3 - Concrete	1.00	EA	25,645	641,125	62,420	371,325	210,210	1,285,080	1285080
15_10.05	Division 5 - Metals	1.00	EA	57	2,584	53	9,974	0	12,612	12612
15_10.09	Division 9 - Finishes	1.00	EA	0	0	0	0	1110000	1,110,000	1110000
15_10.11	Division 11 - Equipment	1.00	EA	0	0	0	0	3643000	3,643,000	3643000
15_10.13	Division 13 - Special Const.	1.00	EA	0	0	0	0	14,300	14,300	14300
15_10.16	Division 16 - Electrical	1.00	EA	0	0	0	0	335,000	335,000	335000
15_10.17	Division 17 - Instrumentation	1.00	EA	0	0	0	0	20,000	20,000	20000
15_10.27										
TOTAL Trinity Point		1.00	EA	31,216	865,717	262,618	1,082,779	5332510	7,543,624	7543624
15_15	TRWD									
15_15.02	Division 2 - Site Work	1.00	EA	9,407	351,226	354,853	785,253	0	1,491,332	1491332
15_15.03	Division 3 - Concrete	1.00	EA	65,816	1,645,400	70,440	881,770	164,973	2,762,583	2762583
15_15.05	Division 5 - Metals	1.00	EA	63	2,823	60	9,516	0	12,399	12399
15_15.08	Division 8 - Doors & Windows	1.00	EA	1	37	0	359	0	396	395.59
15_15.09	Division 9 - Finishes	1.00	EA	0	0	0	0	1110000	1,110,000	1110000
15_15.11	Division 11 - Equipment	1.00	EA	0	0	0	0	2808000	2,808,000	2808000
15_15.13	Division 13 - Special Const.	1.00	EA	0	0	0	0	10,400	10,400	10400
15_15.16	Division 16 - Electrical	1.00	EA	0	0	0	0	175,000	175,000	175000
15_15.17	Division 17 - Instrumentation	1.00	EA	0	0	0	0	20,000	20,000	20000
15_15.22										
TOTAL TRWD		1.00	EA	75,287	1,999,486	425,353	1,676,897	4288373	8,390,109	8390109
TOTAL Flood Control & Diversion Struc.		1.00	EA	162,340	4,363,161	1,148,603	3,836,576	14098226	23,446,566	23446566
19	Building Demolition & Utilities									
19_02	Demolition									
19_02.02	Division 2 - Site Work									
19_02.02.5	Paving - Asphalt	1.00	EA	12,237	333,151	248,769	0	0	581,920	581920
19_02.02.10	Paving - Concrete	1.00	EA	31,542	894,654	157,158	0	0	1,051,812	1051812
19_02.02.15	Building Demolition	1.00	EA	112,150	3,209,844	2,717,285	0	0	5,927,130	5927130
19_02.02.20	Miscellaneous	1.00	EA	0	200,000	150,000	50,000	0	400,000	400000
TOTAL Division 2 - Site Work		1.00	EA	155,929	4,637,650	3,273,212	50,000	0	7,960,862	7960862

\*\* PROJECT DIRECT SUMMARY - Element \*\*

		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT
TOTAL Demolition		1.00	EA	155,929	4,637,650	3,273,212	50,000	0	7,960,862	7960862
19_13 Utility Relocation - SS, W, SW										
19_13.02 Division 2 - Site Work										
19_13.02.5	Sanitary Sewer	1.00	EA	2,240	50,000	25,000	50,000	418,500	543,500	543500
19_13.02.10	Water Mains	1.00	EA	0	35,000	17,500	35,000	139,350	226,850	226850
19_13.02.15	Storm Sewer	1.00	EA	0	30,000	15,000	30,000	288,900	363,900	363900
19_13.02.20	Gas Distribution & Transmission	1.00	EA	0	25,000	12,500	25,000	84,600	147,100	147100
19_13.02.25	Outfall Collection System	1.00	EA	348	9,966	1,138	16,292	0	27,396	27396
TOTAL Division 2 - Site Work		1.00	EA	2,588	149,966	71,138	156,292	931,350	1,308,746	1308746
19_13.11	Division 11 - Equipment	1.00	EA	0	60,000	15,000	25,000	0	100,000	100000
19_13.15 Division 15 - Mechanical										
19_13.15.5	Sanitary Sewer	1.00	EA	722	92,567	28,845	71,850	3303840	3,497,101	3497101
19_13.15.10	Water Mains	1.00	EA	0	12,500	5,000	7,500	331,740	356,740	356740
19_13.15.15	Storm Sewer	1.00	EA	0	6,000	2,000	4,000	131,200	143,200	143200
19_13.15.20	Gas Distribution & Transmission	1.00	EA	0	22,500	7,500	15,000	628,650	673,650	673650
TOTAL Division 15 - Mechanical		1.00	EA	722	133,567	43,345	98,350	4395430	4,670,691	4670691
TOTAL Utility Relocation - SS, W, SW		1.00	EA	3,310	343,533	129,483	279,642	5326780	6,079,438	6079438
19_14 Utility Relocation - Elec & Comm										
19_14.02 Division 2 - Site Work										
19_14.02.5	Electrical	1.00	EA	347	65,886	32,800	16,400	0	115,086	115086
19_14.02.10	Cable	1.00	EA	310	12,000	0	0	0	12,000	12000
19_14.02.15	Fiber Optic	1.00	EA	4,397	170,000	34,000	34,000	0	238,000	238000
19_14.02.20	Miscellaneous	1.00	EA	0	100,000	30,000	100,000	0	230,000	230000
TOTAL Division 2 - Site Work		1.00	EA	5,055	347,886	96,800	150,400	0	595,086	595086
19_14.16 Division 16 - Electrical										
19_14.16.5	Electrical	1.00	EA	3,332	206,052	61,740	256,824	0	524,616	524616
19_14.16.10	Cable	1.00	EA	269	8,659	1,955	6,230	0	16,844	16844
19_14.16.15	Fiber Optic	1.00	EA	289	10,837	977	11,627	0	23,441	23441
19_14.16.20	Telephone	1.00	EA	2,479	89,831	0	102,304	0	192,135	192135
19_14.16.25	Miscellaneous	1.00	EA	0	250,000	100,000	250,000	0	600,000	600000
TOTAL Division 16 - Electrical		1.00	EA	6,369	565,380	164,672	626,985	0	1,357,036	1357036

\*\* PROJECT DIRECT SUMMARY - Element \*\*

		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT
TOTAL Utility Relocation - Elec & Comm		1.00	EA	11,424	913,265	261,472	777,385	0	1,952,122	1952122
19_15 Transmission Line Relocation										
19_15.02	Division 2 - Site Work	1.00	EA	454	13,074	4,824	0	0	17,899	17899
19_15.16	Division 16 - Electrical	1.00	EA	0	0	0	0	6000000	6,000,000	6000000
TOTAL Transmission Line Relocation		1.00	EA	454	13,074	4,824	0	6000000	6,017,899	6017899
TOTAL Building Demolition & Utilities		1.00	EA	171,117	5,907,522	3,668,991	1,107,027	11326780	22,010,320	22010320
21 Design Survey, Testing & Legal										
21_5	Design Survey and Testing	1.00	EA	0	0	0	0	4598350	4,598,350	4598350
21_10	Legal Costs	1.00	EA	0	0	0	0	3500000	3,500,000	3500000
TOTAL Design Survey, Testing & Legal		1.00	EA	0	0	0	0	8098350	8,098,350	8098350
22 Program Management										
22_5	Program Management	1.00	EA	0	0	0	0	17500000	17,500,000	17500000
TOTAL Program Management		1.00	EA	0	0	0	0	17500000	17,500,000	17500000
30 Planning, Engineering & Design										
30_5	A/E Design Service	1.00	EA	0	0	0	0	17983450	17,983,450	17983450
30_10	Permitting	1.00	EA	0	0	0	0	6150000	6,150,000	6150000
TOTAL Planning, Engineering & Design		1.00	EA	0	0	0	0	24133450	24,133,450	24133450
31 Construction Management										
31_5	Const. Management & Testing	1.00	EA	0	0	0	0	16728000	16,728,000	16728000
TOTAL Construction Management		1.00	EA	0	0	0	0	16728000	16,728,000	16728000
33 HTRW										
33_01	Environmental Assessment	1.00	EA	0	0	0	0	1259550	1,259,550	1259550
33_02	Division 2 - Site Work	1.00	EA	0	0	0	0	12062039	12,062,039	12062039
33_11	Division 11 - Equipment	1.00	EA	0	0	0	0	1540000	1,540,000	1540000
33_20	Analytical Testing	1.00	EA	0	0	0	0	629,650	629,650	629650
33_21	Offsite Environmental Coord.	1.00	EA	0	0	0	0	2067000	2,067,000	2067000

\*\* PROJECT DIRECT SUMMARY - Element \*\*

	QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	UNIT
TOTAL HTRW	1.00	EA	0	0	0	0	17558239	17,558,239	17558239
TOTAL Fort Worth Central City	1.00	EA	1274518	37379082	17065719	32478139249312060	336,235,001	*****	
Prime Contractor's Field Overhead								17,883,525	
SUBTOTAL								354,118,526	
Prime's Home Office Expense								5,901,563	
SUBTOTAL								360,020,089	
Prime Contractor's Profit								16,209,627	
SUBTOTAL								376,229,716	
Prime Contractor's Bond								5,470,749	
TOTAL INCL INDIRECTS								381,700,465	
Contingency								53,714,185	
TOTAL INCL OWNER COSTS								435,414,650	

01. Lands & Damages

01_ 5. By-Pass Channel		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
USR	<								
	>	Acquisition Costs - Provided by		0.00	0.00	0.00	0.00	46000000	46000000.00
		TRWD	1.00 LS	0	0	0	0	46000000	46,000,000
TOTAL By-Pass Channel				0	0	0	0	46000000	46,000,000

01. Lands & Damages

01_10. Water Feature		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
USR	< > Acquisition Cost - Provided by TRWD	1.00	LS	0	0	0	0	500,000	500,000
TOTAL Water Feature				0	0	0	0	500,000	500,000

01. Lands & Damages

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01_15. Valley Storage		QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
USR	< > Property Acquisition Costs			0.00	0.00	0.00	0.00	13405000	13405000.00
		1.00	LS	0	0	0	0	13405000	13,405,000
TOTAL Valley Storage				0	0	0	0	13405000	13,405,000

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01. Lands & Damages

01_20. Marine Creek		QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
USR	< > Marine Creek Land Acquisition			0.00	0.00	0.00	0.00	400000	400000.00
		1.00	LOT	0	0	0	0	400,000	400,000
TOTAL Marine Creek				0	0	0	0	400,000	400,000

01. Lands & Damages

01_25. Property Acquisition Assistance			QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
USR	<	> Consulting Fee	1.00	LOT	0	0	0	0	2515000	2,515,000
USR	<	> Legal Assistance	1.00	LOT	0	0	0	0	2500000	2,500,000
USR	<	> Permitting, Fees and Licenses	1.00	LOT	0	0	0	0	1250000	1,250,000
TOTAL Property Acquisition Assistance					0	0	0	0	6265000	6,265,000
TOTAL Lands & Damages					0	0	0	0	66570000	66,570,000

02. Relocations

02_5 . Land Owner Relocation		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
USR	< > Land Owner Relocation			0.00	0.00	0.00	0.00	20413750	20413750.00
		1.00	LOT	0	0	0	0	20413750	20,413,750
TOTAL Land Owner Relocation				0	0	0	0	20413750	20,413,750
TOTAL Relocations				0	0	0	0	20413750	20,413,750

03. Reservoirs

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 03\_16. Valley Storage

QUANTY UOM MANHRS LABOR EQUIPMNT MATERIAL OTHER TOTAL COST

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03\_16. 5. Riverbend

03\_16. 5.02. Division 2 - Site Work

L CIV 16 <02046 2960 > Site dml, pipe removal, 24" dia, conc, water/sewer, no excavation	340.00 LF	0.20 68	0.00 0	0.00 0	0.00 0	36.00 12,240	36.00 12,240
L CIV 16 <02046 2960 > Site dml, pipe removal, 66" dia,conc, water/sewer, no	620.00 LF	0.20 124	0.00 0	0.00 0	0.00 0	99.00 61,380	99.00 61,380
USR 16 <02046 2960 > Demolish Floodgate Structure	2.00 EA	160.00 320	4000.00 8,000	2000.00 4,000	2000.00 4,000	0.00 0	8000.00 16,000
AF 16 <02109 0365 > Clear & grub, grub & stack, 200 HP dozer - C & G top 6" of site	176400 CY	0.02 3,263	0.58 102,841	0.69 121,046	0.00 0	0.00 0	1.27 223,887
L AF 16 <02109 0365 > Screening & Stockpiling	176400 CY	0.07 12,083	2.16 380,654	2.54 448,056	0.00 0	0.00 0	4.70 828,710
L AF 16 <02234 4000 > Hauling, w/loading, 12 CY truck, 5 mile haul, soil - Removal of demolished material.	88200 CY	0.03 3,043	1.00 88,200	1.48 130,536	0.00 0	0.00 0	2.48 218,736
MIL 16 <02226 3150 > Excavation, bulk, 6 cycle/hr, push loaded self prop scraper, 25 BCY - Cut	1036575 CY	0.01 11,091	0.34 354,094	0.73 758,566	0.00 0	0.00 0	1.07 1,112,660
CIV 16 <02232 0180 > Excavate & load, hydr excavator, 5 CY, medium matl	223600 CY	0.01 1,655	0.24 54,290	0.47 104,131	0.00 0	0.00 0	0.71 158,421
MIL 16 <02234 2200 > Hauling, off hwy haulers, 26 CY, 1 mile RT @ 20 mph (4.2 cyc/hr)	223600 CY	0.01 2,325	0.27 61,356	0.52 115,579	0.00 0	0.00 0	0.79 176,935
L RSM 16 <02220 5000 > Compaction, riding, vibrating roller, 6" lifts, 2 passes - Embankment/Valley	846840 CY	0.00 3,387	0.11 93,152	0.10 84,684	0.00 0	0.00 0	0.21 177,836
L RSM 16 <02220 5000 > Compaction, riding, vibrating roller, 6" lifts, 2 passes - Levee	413335 CY	0.00 1,653	0.11 45,467	0.10 41,334	0.00 0	0.00 0	0.21 86,800
USR 16 <02220 5000 > Site Grading - Level Ground	514010 SY	0.00 822	0.05 24,775	0.05 25,701	0.00 0	0.00 0	0.10 50,476
USR 16 <02220 5000 > Site Grading - Varying slope	544020 SY	0.01 6,528	0.06 32,641	0.06 32,641	0.00 0	0.00 0	0.12 65,282

03. Reservoirs

03_16. Valley Storage		QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
MIL 16 <02241 0400 >	Loam or topsoil, frtn loader, 1.5 CY, spread from pile to finish grade - From site screening	88200	CY	5,292	167,113	86,542	0	0	253,654
MIL 16 <02241 0805 >	Loam or topsoil, furnish & place, imported, 4" deep - imported	29230	CY	2,578	81,444	42,176	507,141	0	630,760
B MIL 16 <02932 0320 >	Seeding, Bermuda grass, mechanical seeding, 450#/acre	218.60	ACR	1,477	48,136	23,443	190,742	0	262,321
TOTAL Division 2 - Site Work				55,712	1,542,162	2,018,433	701,882	73,620	4,336,097
03_16. 5.03. Division 3 - Concrete									
USR 16 <	> Concrete - Slab on Grade	10.00	CY	70	1,750	200	1,050	0	3,000
USR 16 <	> Concrete - Wall	35.00	CY	315	7,875	700	4,550	0	13,125
USR 16 <	> Reinforcing Steel - 175 lbs/cy	7875.00	LB	0	0	0	0	4,331	4,331
TOTAL Division 3 - Concrete				385	9,625	900	5,600	4,331	20,456
03_16. 5.05. Division 5 - Metals									
USR 16 <	> Floodgate - access ramp	1.00	LOT	32	960	500	2,000	0	3,460
MIL 16 <05534 0136 >	Floor grating, aluminum, up to 300 SF, 1.75" x 3/16" bar	30.00	SF	2	86	2	484	0	572
USR 16 <05534 0136 >	Aluminum Grating Frame	26.00	LF	0	4	0	187	0	190
RSM 16 <05523 0010 >	Railing, pipe, aluminum, 2 rail, satin finish, 1.25" dia	34.00	LF	7	304	9	442	0	754
TOTAL Division 5 - Metals				41	1,353	511	3,112	0	4,976

03. Reservoirs

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 03\_16. Valley Storage

QUANTY UOM MANHRS LABOR EQUIPMNT MATERIAL OTHER TOTAL COST

03\_16. 5.11. Division 11 - Equipment

USR 16 < > Flood control Gate - Manual operators 1.00 EA 80 2,400 2,000 30,000 0 34,400

TOTAL Division 11 - Equipment 80 2,400 2,000 30,000 0 34,400

03\_16. 5.15. Division 15 - Mechanical

USR 16 <02215 1220 > 24" Ductile Iron Pipe - Adding surcharge protection over an existing 39" pipe 2350.00 LF 0 0 0 0 282,000 282,000

MIL 16 <02752 1110 > CB or manholes, conc, precast, 4' ID, 4' deep 3.00 EA 22 695 118 941 0 1,755

MIL 16 <02752 2900 > CB or manholes, frames & covers, 3 piece, 10" deep, 1200 lb 3.00 EA 24 680 104 2,316 0 3,100

MIL 16 <02762 2040 > Piping, drainage & sewage, 24" dia, RCP, class 3, no gaskets 500.00 LF 240 6,590 518 8,965 0 16,073

B CIV 16 <02661 1000 > Piping, water dist, 4" dia, blk steel, pl end, welded, 1/4" wall 1650.00 LF 528 16,589 7,141 8,250 0 31,980

TOTAL Division 15 - Mechanical 814 24,554 7,882 20,472 282,000 334,908

03\_16. 5.16. Division 16 - Electrical

USR 16 < > Minor Miscellaneous Electrical 1.00 LOT 0 0 0 0 10,000 10,000

TOTAL Division 16 - Electrical 0 0 0 0 10,000 10,000

03\_16. 5.21.

TOTAL 0 0 0 0 0 0

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 TOTAL Riverbend 57,031 1,580,095 2,029,726 761,067 369,951 4,740,838

03\_16.10. Samuel Avenue Sites

03\_16.10.02. Division 2 - Site Work

L CIV 16 <02046 3310 > Site dml, pipe removal, 24" dia, steel, welded connections 115.00 LF 160 4,529 690 0 0 5,219

03. Reservoirs

03_16. Valley Storage		QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
AF	16 <02046 1780 >	Site dml, bituminous, pavement removal, pulverize - 6" thick	2450.00 SY	0.03 65	0.84 2,049	0.75 1,838	0.00 0	0.00 0	1.59 3,888
AF	02 <02234 4000 >	Hauling, w/loading, 12 CY truck, 5 mile haul, soil - 6" thick - Removal of demolished material.	410.00 CY	0.03 14	1.00 410	1.48 607	0.00 0	0.00 0	2.48 1,017
AF	02 <02049 8010 >	Building dml, single level bldg, conc - 15' High, 6,500 SF	97500 CF	0.00 273	0.08 7,868	0.08 7,430	0.00 0	0.00 0	0.16 15,298
MIL	02 <02053 3080 >	Rubbish handling, 2 mile haul, loading & trucking, machine loading truck - Assume 7.5% of building area is material disposal.	275.00 CY	0.27 73	7.43 2,044	3.45 950	0.00 0	0.00 0	10.88 2,993
AF	16 <02109 0365 >	Clear & grub, grub & stack, 200 HP dozer - C & G top 6" of site	77040 CY	0.02 1,425	0.58 44,914	0.69 52,865	0.00 0	0.00 0	1.27 97,779
L AF	16 <02109 0365 >	Screening & Stockpiling	77040 CY	0.07 5,277	2.16 166,245	2.54 195,682	0.00 0	0.00 0	4.70 361,926
AF	16 <02234 4000 >	Hauling, w/loading, 12 CY truck, 5 mile haul, soil	38520 CY	0.03 1,329	1.00 38,555	1.48 56,983	0.00 0	0.00 0	2.48 95,537
MIL	16 <02226 3150 >	Excavation, bulk, 6 cycle/hr, push loaded self prop scraper, 25 BCY - Cut	501265 CY	0.01 5,364	0.34 171,232	0.73 366,826	0.00 0	0.00 0	1.07 538,058
CIV	16 <02232 0180 >	Excavate & load, hydr excavator, 5 CY, medium matl	47932 CY	0.01 355	0.24 11,638	0.47 22,322	0.00 0	0.00 0	0.71 33,960
MIL	16 <02234 0610 >	Hauling, hwy haulers, 16.5 CY, 1 mile round trip @ 20 MPH (4.2 cyc/hr)	47932 CY	0.02 834	0.46 22,020	0.73 34,986	0.00 0	0.00 0	1.19 57,006
L RSM	16 <02220 5000 >	Compaction, riding, vibrating roller, 6" lifts, 2 passes - Embankment/Valley	754945 CY	0.00 3,020	0.11 83,044	0.10 75,495	0.00 0	0.00 0	0.21 158,538
USR	16 <02220 5000 >	Site Grading - Level Ground	278785 SY	0.00 446	0.05 13,437	0.05 13,939	0.00 0	0.00 0	0.10 27,377
USR	16 <02220 5000 >	Site Grading - Varying slope	183436 SY	0.01 2,201	0.06 11,006	0.06 11,006	0.00 0	0.00 0	0.12 22,012
MIL	16 <02241 0400 >	Loam or topsoil, frtn loader, 1.5 CY, spread from pile to finish grade - From site	38520 CY	0.06 2,311	1.89 72,984	0.98 37,796	0.00 0	0.00 0	2.88 110,780

03. Reservoirs

03_16. Valley Storage		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	
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screening										
MIL 16	<02241 0805 >	Loam or topsoil, furnish & place, imported, 4" deep - imported	12787	CY	1,128	35,628	18,450	221,854	0	275,933
MIL 16	<02514 0100 >	Sidewalks, no base, asphaltic conc, 2.5" thick	2450.00	SY	178	4,893	1,228	9,800	0	15,921
B MIL 16	<02932 0320 >	Seeding, Bermuda grass, mechanical seeding, 450#/acre	95.50	ACR	645	21,029	10,242	83,329	0	114,600
TOTAL Division 2 - Site Work					25,099	713,526	909,333	314,984	0	1,937,843
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03_16.10.03.										
TOTAL					0	0	0	0	0	0
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03_16.10.15. Division 15 - Mechanical										
MIL 16	<02762 2040 >	Piping, drainage & sewage, 24" dia, RCP, class 3, no gaskets	275.00	LF	132	3,625	285	4,931	0	8,840
TOTAL Division 15 - Mechanical					132	3,625	285	4,931	0	8,840
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TOTAL Samuel Avenue Sites					25,231	717,151	909,618	319,915	0	1,946,683
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03_16.15. I-35 Sites										
03_16.15.02. Division 2 - Site Work										
AF 02	<02049 8010 >	Building dml, single level bldg, conc - 15' High, 2,500 SF	37500	CF	105	3,026	2,858	0	0	5,884
MIL 02	<02053 3080 >	Rubbish handling, 2 mile haul, loading & trucking, machine loading truck - Assume 7.5% of building area is material disposal.	105.00	CY	28	780	363	0	0	1,143
AF 16	<02109 0365 >	Clear & grub, grub & stack, 200 HP dozer - C & G top 6" of site	33480	CY	619	19,519	22,974	0	0	42,493
L AF 16	<02109 0365 >	Screening & Stockpiling	33480	CY	2,293	72,246	85,039	0	0	157,286
AF 16	<02234 4000 >	Hauling, w/loading, 12 CY truck, 5 mile haul, soil - Removal of demolished material	16740	CY	578	16,755	24,763	0	0	41,519



03. Reservoirs

03_16. Valley Storage		QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
CIV 16	<02232 0180 > Excavate & load, hydr excavator, 5 CY, medium matl	714722	CY	5,289	173,535	332,846	0	0	506,381
MIL 16	<02234 2200 > Hauling, off hwy haulers, 26 CY, 1 mile RT @ 20 mph (4.2 cyc/hr)	23415	CY	244	6,425	12,103	0	0	18,528
L MIL 16	<02234 0610 > Hauling, hwy haulers, 16.5 CY, 3 mile round trip @ 20 MPH (2.9 cyc/hr)	691308	CY	15,969	421,698	670,016	0	0	1,091,714
L RSM 16	<02220 5000 > Compaction, riding, vibrating roller, 6" lifts, 2 passes - Embankment/Valley	23415	CY	94	2,576	2,342	0	0	4,917
USR 16	<02220 5000 > Site Grading - Level Ground	153428	SY	245	7,395	7,671	0	0	15,067
USR 16	<02220 5000 > Site Grading - Varying slope	47432	SY	569	2,846	2,846	0	0	5,692
MIL 16	<02241 0400 > Loam or topsoil, frtn loader, 1.5 CY, spread from pile to finish grade - From site screening	23415	CY	1,405	44,364	22,975	0	0	67,339
B MIL 16	<02932 0320 > Seeding, Bermuda grass, mechanical seeding, 450#/acre	41.50	ACR	280	9,138	4,451	36,211	0	49,800
TOTAL Division 2 - Site Work				27,719	780,304	1,191,246	36,211	0	2,007,761
03_16.15.16. Division 16 - Electrical									
MIL 16	<16119 5700 > Wire, 600 volt, 300 kcmil, copper type XLPE-USE(RHW), stranded	0.60	MLF	25	976	0	1,638	0	2,614
CIV 16	<16181 6130 > Grounding, gnd insert, 4-3/8" x 16" holes, 250-500 kcmil cable range	2.00	EA	2	78	0	240	0	318
USR 16	<16181 6130 > Tie-in to existing	2.00	EA	0	600	400	400	0	1,400
MIL 16	<16922 0100 > Pole line constr, down guying assemblies, 25' to 40' pole	4.00	EA	22	835	125	1,258	0	2,218
MIL 16	<16922 1000 > Pole line constr, 25' to 40' pole, head guying assemblies, 50' span	4.00	EA	35	1,308	196	774	0	2,278

03. Reservoirs

03_16. Valley Storage		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
MIL 16	<16922 2000 > Pole line constr, guying, insulator, guy strain	6.00	EA	4.17 25	157.88 947	23.59 142	8.38 50	0.00 0	189.85 1,139
MIL 16	<16123 1650 > Copper cable, on poles, stranded, insulated, 400 kcmil	0.60	MLF	38.80 23	1475.70 885	164.45 99	3450.00 2,070	0.00 0	5090.15 3,054
TOTAL Division 16 - Electrical				132	5,630	960	6,430	0	13,021
TOTAL I-35 Sites				27,851	785,934	1,192,206	42,642	0	2,020,782
03_16.20. University Drive									
03_16.20.02. Division 2 - Site Work									
AF 16	<02046 2500 > Site dml, curbs, dml & load, conc, reinforced	9044.00	LF	0.09 790	2.47 22,378	0.38 3,409	0.00 0	0.00 0	2.85 25,786
MIL 16	<02046 1800 > Site dml, bituminous driveways	920.00	SY	0.06 58	1.83 1,685	1.07 980	0.00 0	0.00 0	2.90 2,666
AF 16	<02046 2110 > Site dml, conc, 7" to 24" thick, plain, w/backhoe - 10" thick	5250.00	CY	1.83 9,619	51.94 272,698	7.91 41,540	0.00 0	0.00 0	59.85 314,238
AF 16	<02046 2340 > Site dml, conc, air eqpt, to 6" thick, mesh reinf	3310.00	SF	0.03 114	0.94 3,116	0.06 195	0.00 0	0.00 0	1.00 3,311
MIL 02	<02053 3080 > Rubbish handling, 2 mile haul, loading & trucking, machine loading truck - Assume 7.5% of building area is material disposal.	5315.00	CY	0.27 1,418	7.43 39,497	3.45 18,356	0.00 0	0.00 0	10.88 57,853
M RSM 16	<02240 0020 > Fill, borrow, for embankments, load, 1 mile haul, spread -	6900.00	CY	0.02 161	0.67 4,609	0.90 6,184	18.00 124,200	0.00 0	19.56 134,994
L RSM 16	<02220 5000 > Compaction, riding, vibrating roller, 6" lifts, 2 passes - Embankment/Valley	315000	CY	0.00 1,260	0.11 34,650	0.10 31,500	0.00 0	0.00 0	0.21 66,150
USR 16	<02220 5000 > Site Grading - Level Ground	24776	SY	0.00 40	0.05 1,194	0.05 1,239	0.00 0	0.00 0	0.10 2,433
USR 16	<02220 5000 > Site Grading - Varying slope	75200	SY	0.01 902	0.06 4,512	0.06 4,512	0.00 0	0.00 0	0.12 9,024
B MIL 16	<02932 0320 > Seeding, Bermuda grass, mechanical seeding, 450#/acre	15.60	ACR	6.76 105	220.20 3,435	107.24 1,673	872.56 13,612	0.00 0	1200.00 18,720

03. Reservoirs

03_16. Valley Storage		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
MIL 16 <02514 0350 >	Sidewalk, no base, 5" T, 3000 PSI, CIP w/ 6x6 mesh, broom fin, conc - Sidewalk	22500	SF	0.04 990	1.35 30,485	0.00 0	1.40 31,500	0.00 0	2.75 61,985
MIL 16 <02505 0813 >	Asphaltic conc pavement, highway, binder course, 3" - Access Roads	2000.00	TON	0.10 207	2.95 5,903	1.17 2,347	24.50 49,000	0.00 0	28.63 57,250
RSM 16 <02505 0850 >	Asphaltic conc pavement, highway, wearing course, 1" thick - Access Roads	670.00	TON	0.17 112	4.84 3,243	2.30 1,542	27.17 18,204	0.00 0	34.31 22,989
MIL 16 <02511 0100 >	Conc pavement, w/jt, unreinforced, 8"T, fixed form, 12' pass, fnsh&curing	20800	SY	0.03 666	0.95 19,706	0.28 5,895	22.05 458,640	0.00 0	23.28 484,241
MIL 16 <02511 0702 >	Concrete pavement, finishing, small areas, belt dragged	20800	SY	0.06 1,331	2.01 41,721	0.00 0	0.00 0	0.00 0	2.01 41,721
AF 16 <02511 0745 >	Concrete pavement, construction joint, 10" thick	3120.00	LF	0.06 195	2.17 6,772	0.00 0	1.35 4,212	0.00 0	3.52 10,984
MIL 16 <02511 1000 >	Concrete pavement, curing, w/sprayed membrane by hand	20800	SY	0.01 223	0.28 5,820	0.00 0	0.32 6,656	0.00 0	0.60 12,476
MIL 16 <02525 0240 >	Curb & gutter, reinforced conc, CIP, no forms	815.00	CY	0.32 261	10.71 8,731	0.00 0	77.81 63,415	0.00 0	88.52 72,146
MIL 16 <02525 0410 >	Curb, conc, steel forms, 6" x 18", straight	9044.00	LF	0.07 620	2.26 20,412	0.00 0	2.72 24,600	0.00 0	4.98 45,012
MIL 16 <02514 0400 >	Sidewalk, no base, 6" T, 3000 PSI, CIP w/ 6x6 mesh, broom fin, conc	3305.00	SF	0.05 156	1.45 4,785	0.00 0	1.63 5,387	0.00 0	3.08 10,172
AF 16 <02840 0160 >	Guide/guard rail, wood posts 6'3" OC, w/ corr galv steel rails	900.00	LF	0.05 45	1.39 1,254	0.21 191	6.30 5,670	0.00 0	7.91 7,115
USR 16 <02220 5000 >	Pavement Markings & Signals - Access Roads	1.00	LOT	0.00 0	0.00 0	0.00 0	0.00 0	25000.00 25,000	25000.00 25,000
AF 16 <02933 1200 >	Sodding, bent grass sod, sodding 1000 SF or less, on level ground	78.85	MSF	2.86 225	78.58 6,196	3.94 311	344.92 27,197	0.00 0	427.44 33,704
TOTAL Division 2 - Site Work				19,495	542,803	119,874	832,293	25,000	1,519,969

03. Reservoirs

03_16. Valley Storage		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
03_16.20.03. Division 3 - Concrete									
USR 16 <	> Concrete Footing/Slab on Grade			7.00	175.00	20.00	105.00	0.00	300.00
		550.00	CY	3,850	96,250	11,000	57,750	0	165,000
USR 16 <	> Concrete Walls			9.00	225.00	20.00	130.00	0.00	375.00
		390.00	CY	3,510	87,750	7,800	50,700	0	146,250
USR 16 <	> Reinforcing Steel - 175 lbs/cy			0.00	0.00	0.00	0.00	0.55	0.55
		164500	LB	0	0	0	0	90,475	90,475
TOTAL Division 3 - Concrete				7,360	184,000	18,800	108,450	90,475	401,725
03_16.20.05. Division 5 - Metals									
AF 16 <05524 0050 >	Railing, coml balcony rail, 1-1/2" alum posts w/ 3 rails			0.16	7.33	0.21	32.65	0.00	40.19
		900.00	LF	148	6,597	186	29,385	0	36,168
TOTAL Division 5 - Metals				148	6,597	186	29,385	0	36,168
03_16.20.15. Division 15 - Mechanical									
MIL 16 <02762 2040 >	Piping, drainage & sewage, 24" dia, RCP, class 3, no gaskets - Major			0.48	13.18	1.04	17.93	0.00	32.15
		2300.00	LF	1,104	30,314	2,384	41,239	0	73,937
MIL 16 <02762 2010 >	Piping, drainage & sewage, 12" dia, RCP, class 3, no gaskets			0.23	6.28	0.49	9.52	0.00	16.29
		730.00	LF	167	4,582	360	6,950	0	11,892
MIL 16 <02762 2040 >	Piping, drainage & sewage, 24" dia, RCP, class 3, no gaskets -			0.48	13.18	1.04	17.93	0.00	32.15
		135.00	LF	65	1,779	140	2,421	0	4,340
CIV 16 <02762 2910 >	Piping, drainage & sewage, RCP, precast end section, 24" dia			2.40	65.90	5.18	302.60	0.00	373.68
		2.00	EA	5	132	10	605	0	747
MIL 16 <02752 1130 >	CB or manholes, conc, precast, 4' ID, 8' deep - Storm Sewer Manholes			15.20	475.09	80.94	470.67	0.00	1026.70
		9.00	EA	137	4,276	728	4,236	0	9,240
MIL 16 <02752 1300 >	CB or manholes, conc, slab tops, precast, 8" thick, 4' dia - Storm Sewer Manholes			3.00	85.06	12.96	173.68	0.00	271.69
		9.00	EA	27	766	117	1,563	0	2,445
MIL 16 <02752 1110 >	CB or manholes, conc, precast, 4' ID, 4' deep			7.41	231.75	39.48	313.78	0.00	585.02
		18.00	EA	133	4,172	711	5,648	0	10,530
MIL 16 <02752 4560 >	Catch basin, CI, frame & cover, curb inlet type, 36" x 24"			2.40	68.04	10.37	362.33	0.00	440.74
		18.00	EA	43	1,225	187	6,522	0	7,933

03. Reservoirs

03_16. Valley Storage		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
MIL 16 <02752 1130 >	CB or manholes, conc, precast, 4' ID, 8' deep - Sanitary Manholes	9.00	EA	137	4,276	728	4,236	0	9,240
MIL 16 <02752 1300 >	CB or manholes, conc, slab tops, precast, 8" thick, 4' dia - Sanitary Manholes	9.00	EA	27	766	117	1,563	0	2,445
USR 16 <02752 1300 >	Adjusting water valves	9.00	EA	288	8,640	4,500	63,000	0	76,140
USR 16 <02752 1300 >	Adjusting gas valves	9.00	EA	288	8,640	4,500	126,000	0	139,140
TOTAL Division 15 - Mechanical				2,421	69,566	14,482	263,983	0	348,031
03_16.20.16. Division 16 - Electrical									
USR 16 <	Miscellaneous Lighting	1.00	LOT	0	0	0	0	300,000	300,000
TOTAL Division 16 - Electrical				0	0	0	0	300,000	300,000
TOTAL University Drive				29,424	802,966	153,342	1,234,110	415,475	2,605,893
TOTAL Valley Storage				139,537	3,886,145	4,284,891	2,357,733	785,426	11,314,196
TOTAL Reservoirs				139,537	3,886,145	4,284,891	2,357,733	785,426	11,314,196

04. Samuel Avenue Dam

04_02. Division 2 - Site Work		QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	
AF	04 <02109 0365 >	Clear & grub, grub & stack, 200 HP dozer - Diversion Channel	3630.00	CY	0.02 67	0.58 2,116	0.69 2,491	0.00 0	0.00 0	1.27 4,607
L AF	04 <02109 0365 >	Screening & Stockpiling - Diversion Channel	3630.00	CY	0.07 249	2.16 7,833	2.54 9,220	0.00 0	0.00 0	4.70 17,053
MIL	04 <02140 1700 >	Dewatering, sump hole, 16 ga, 12" gravel collar, 12" corr pipe - 16 ea @ 40 lf deep, Diversion Channel	640.00	LF	0.34 219	9.72 6,221	1.48 948	12.16 7,782	0.00 0	23.36 14,951
L MIL	04 <02224 7020 >	Excavating, bulk, dozer, 300 HP, large area, open site, rough grade - Diversion Channel	136000	CY	0.00 0	1.25 170,490	2.20 299,200	0.00 0	0.00 0	3.45 469,690
AF	04 <02234 4000 >	Hauling, w/loading, 12 CY truck, 5 mile haul, soil - Diversion Channel	1815.00	CY	0.03 63	1.00 1,817	1.48 2,685	0.00 0	0.00 0	2.48 4,502
USR	04 <	Access Roads	2000.00	LF	0.00 0	15.00 30,000	10.00 20,000	15.00 30,000	0.00 0	40.00 80,000
RSM	04 <02270 0100 >	Rip-rap, random, machine placed for slope protection - Diversion Channel	1500.00	CY	0.26 387	8.42 12,632	4.62 6,927	18.81 28,215	0.00 0	31.85 47,774
USR	04 <02270 0100 >	Construction Crossing	1.00	LOT	0.00 0	25000.00 25,000	0.00 0	25000.00 25,000	0.00 0	50000.00 50,000
MIL	04 <02215 1220 >	Backfill, trench, front-end loader, 40 - 60 HP, no compaction - Diversion Channel	136000	CY	0.03 4,080	0.95 128,846	0.66 89,338	0.00 0	0.00 0	1.60 218,185
L RSM	04 <02220 5000 >	Compaction, riding, vibrating roller, 6" lifts, 2 passes - Diversion Channel	136000	CY	0.00 544	0.11 14,960	0.10 13,600	0.00 0	0.00 0	0.21 28,560
B MIL	04 <02932 0320 >	Seeding, Bermuda grass, mechanical seeding, 450#/acre - Diversion Channel	4.50	ACR	6.76 30	220.20 991	107.24 483	872.56 3,927	0.00 0	1200.00 5,400
RSM	04 <02270 0100 >	Rip-rap, random, machine placed for slope protection - Cofferd Dams	2400.00	CY	0.26 619	8.42 20,211	4.62 11,084	18.81 45,144	0.00 0	31.85 76,439
MIL	04 <02215 1220 >	Backfill, trench, front-end loader, 40 - 60 HP, no compaction - Cofferd Dams	24000	CY	0.03 720	0.95 22,738	0.66 15,766	0.00 0	0.00 0	1.60 38,503

04. Samuel Avenue Dam

04_02. Division 2 - Site Work		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
L RSM	04 <02220 5000 >	Compaction, riding, vibrating roller, 6" lifts, 2 passes - Coffers Dams	24000	CY	96	2,640	2,400	0	5,040
CIV	04 <02232 0160 >	Excavate & load, hydr excavator, 3.5 CY, medium matl - Coffers Dams	26400	CY	325	10,602	20,333	0	30,936
AF	04 <02234 1105 >	Hauling, hwy haulers, 16.5 CY, 4 mile round trip @ 20 MPH (1.6 cyc/hr) - Coffers Dams	26400	CY	1,006	26,564	42,206	0	68,769
USR	04 <02234 1105 >	Care of Water - Pumps	2.00	EA	1	4,800	4,000	40,000	48,800
USR	04 <02234 1105 >	Care of Water - Settling Basin	1.00	EA	160	4,000	5,000	2,000	11,000
USR	04 <02234 1105 >	Care of Water - Discharge Piping	1.00	LOT	320	9,600	2,000	10,000	21,600
USR	04 <02234 1105 >	Care of Water - Outfall	1.00	LOT	80	2,400	2,000	3,000	7,400
AF	04 <02109 0365 >	Clear & grub, grub & stack, 200 HP dozer - General Grading	7260.00	CY	134	4,233	4,982	0	9,214
L AF	04 <02109 0365 >	Screening & Stockpiling - General Grading	7260.00	CY	497	15,666	18,440	0	34,107
AF	04 <02234 4000 >	Hauling, w/loading, 12 CY truck, 5 mile haul, soil - General Grading	3630.00	CY	125	3,633	5,370	0	9,003
MIL	04 <02232 0265 >	Excavate & load, wheeled loader, 5 CY, medium matl - General Grading	124000	CY	1,004	31,744	46,128	0	77,872
AF	04 <02234 1105 >	Hauling, hwy haulers, 16.5 CY, 4 mile round trip @ 20 MPH (1.6 cyc/hr) - General Grading	124000	CY	4,724	124,769	198,239	0	323,008
B MIL	04 <02238 3620 >	Drilling & blasting only, shallow trench, 10' wide ripper - Rock - General Grading	9500.00	CY	95	1,330	7,600	405,080	414,010
CIV	04 <02232 0295 >	Excavate & load, wheeled loader, 7 CY, blasted rock - Rock - General Grading	9500.00	CY	123	4,056	8,346	0	12,401

04. Samuel Avenue Dam

04_02. Division 2 - Site Work		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	
AF	04 <02234 1105 >	Hauling, hwy haulers, 16.5 CY, 4 mile round trip @ 20 MPH (1.6 cyc/hr) - Rock - Gereneral Grading	9500.00	CY	0.04 362	1.01 9,559	1.60 15,188	0.00 0	0.00 0	2.60 24,747
RSM	04 <02240 0020 >	Fill, borrow, for embankments, load, 1 mile haul, spread w/dozer - General Grading	9600.00	CY	0.02 224	0.67 6,413	0.90 8,604	4.27 40,992	0.00 0	5.83 56,009
L RSM	04 <02220 5000 >	Compaction, riding, vibrating roller, 6" lifts, 2 passes - General Grading	9600.00	CY	0.00 38	0.11 1,056	0.10 960	0.00 0	0.00 0	0.21 2,016
AF	04 <02250 1380 >	Soil stbln, w/scarifying & cmpct, cement stabilized base matl - 20' deep	25000	TON	0.13 3,200	3.89 97,308	1.90 47,378	16.36 409,000	0.00 0	22.15 553,685
M AF	04 <02250 1390 >	Soil stbln, w/scarifying & cmpct, mix w/roller & grader, cement - 20' deep	25190	CY	0.01 259	0.32 8,172	0.85 21,474	0.00 0	0.00 0	1.18 29,646
MIL	04 <02140 1700 >	Dewatering, sump hole, 16 ga, 12" gravel collar, 12" corr pipe - 32 ea @ 40 lf deep, Diversion Channel	1280.00	LF	0.34 439	9.72 12,442	1.48 1,895	12.16 15,565	0.00 0	23.36 29,903
USR	04 <02140 1700 >	Sub Drain System	1.00	LOT	0.00 0	50000.00 50,000	20000.00 20,000	30000.00 30,000	0.00 0	100000.00 100,000
M RSM	04 <02240 0020 >	Fill, borrow, for embankments, load, 1 mile haul, spread	1700.00	CY	0.02 40	0.67 1,136	0.90 1,524	18.00 30,600	0.00 0	19.56 33,259
MIL	04 <02239 0110 >	Spread/compact, 200 HP dozer w/sheepsfoot roller, 6" lift, embankment - Bedding for Rip Rap	1700.00	CY	0.01 10	0.17 297	0.25 429	0.00 0	0.00 0	0.43 727
RSM	04 <02270 0100 >	Rip-rap, random, machine placed for slope protection	3400.00	CY	0.26 878	8.42 28,632	4.62 15,702	18.81 63,954	0.00 0	31.85 108,288
USR	04 <	Parking Lot	400.00	CY	0.00 0	0.00 0	0.00 0	0.00 0	100.00 40,000	100.00 40,000
TOTAL Division 2 - Site Work					21,119	904,904	971,940	1,190,259	40,000	3,107,103



04. Samuel Avenue Dam

04_03. Division 3 - Concrete		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
USR 04 <	> Concrete Footing/Slab on Grade			7.00	175.00	20.00	105.00	0.00	300.00
		11300	CY	79,100	1,977,500	226,000	1,186,500	0	3,390,000
USR 04 <	> Concrete Walls			9.00	225.00	20.00	130.00	0.00	375.00
		10500	CY	94,500	2,362,500	210,000	1,365,000	0	3,937,500
M CIV 04 <03399 0360 >	Roller compacted conc, sloped face, nonformed, 6" lift			0.08	2.52	1.26	61.35	0.00	65.13
		17500	CY	1,458	44,102	22,117	1,073,625	0	1,139,843
CIV 04 <03399 0460 >	Roller compacted conc, water blast, surface prep			0.03	0.79	0.54	0.00	0.00	1.33
		3800.00	SY	114	2,997	2,070	0	0	5,067
CIV 04 <03399 0500 >	Roller compacted conc, joint bedding placement, 1" thick			0.02	0.50	0.11	0.00	0.00	0.60
		3800.00	SY	62	1,886	404	0	0	2,290
L CIV 04 <03399 0540 >	Roller compacted conc, placed by truck, 30 min cycle			0.03	0.79	1.49	0.00	0.00	2.28
		17500	CY	525	13,829	26,045	0	0	39,874
CIV 04 <03399 0650 >	Roller compacted conc, water cure, over 500 CY			3.00	78.88	45.64	0.00	0.00	124.52
		336.00	HR	1,008	26,503	15,335	0	0	41,838
USR 04 <	> Reinforcing Steel - 175 lbs/cy			0.00	0.00	0.00	0.00	0.55	0.55
		3815000	LB	0	0	0	0	2098250	2,098,250
TOTAL Division 3 - Concrete				176,767	4,429,317	501,971	3,625,125	2098250	10,654,663

04. Samuel Avenue Dam

04_09. Division 9 - Finishes		QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
USR 04 <	> Painting and Coating			0.00	0.00	0.00	0.00	350000	350000.00
		1.00	LS	0	0	0	0	350,000	350,000
TOTAL Division 9 - Finishes				0	0	0	0	350,000	350,000

04. Samuel Avenue Dam

04_11. Division 11 - Equipment		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
USR 04 <	> Gates - 18' x 48' Flood Gates			0.00	75000.00	15000.00	560000.00	0.00	650000.00
		7.00	EA	0	525,000	105,000	3,920,000	0	4,550,000
USR 04 <	> Hydraulic operator system			0.00	50000.00	7500.00	392500.00	0.00	450000.00
		7.00	EA	0	350,000	52,500	2,747,500	0	3,150,000
USR 04 <	> Stop Logs - 18' x 48'			0.00	0.00	0.00	85000.00	0.00	85000.00
		6.00	LOT	0	0	0	510,000	0	510,000
USR 04 <	> Sluice Gates - 4' x 6' - prices checked and include motor costs			0.00	5000.00	1000.00	34000.00	0.00	40000.00
		3.00	EA	0	15,000	3,000	102,000	0	120,000
TOTAL Division 11 - Equipment				0	890,000	160,500	7,279,500	0	8,330,000

04. Samuel Avenue Dam

04_13. Division 13 - Special Const.		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
USR 04 <	> Bridge			0.00	0.00	0.00	0.00	75.00	75.00
		4872.00	SF	0	0	0	0	365,400	365,400
USR 04 <	> Pre-Engineered Maintenance Building			0.00	0.00	0.00	0.00	100.00	100.00
		3000.00	SF	0	0	0	0	300,000	300,000
TOTAL Division 13 - Special Const.				0	0	0	0	665,400	665,400

04. Samuel Avenue Dam

04_16. Division 16 - Electrical		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
USR 04 <	> Barrier Warning System			0.00	0.00	0.00	0.00	50000.00	50000.00
		1.00	LS	0	0	0	0	50,000	50,000
MIL 04 <02215 1220 >	Backfill, trench, front-end loader, 40 - 60 HP, no compaction	3400.00	CY	102	3,221	2,233	0	0	5,455
MIL 04 <02220 6400 >	Compaction, 1 ton roller, around structures & trenches	3400.00	CY	204	6,442	1,146	0	0	7,588
MIL 04 <02228 0342 >	Excavate trench, mdm soil, 6'-10' D, 1.5 CY excavator	3400.00	CY	40	1,321	1,032	0	0	2,353
MIL 04 <16120 0240 >	Underground cable, type USE, 500 kcmil	5.00	MLF	108	3,928	0	22,250	0	26,178
USR 04 <16120 0240 >	Electric Lights Site	1.00	LOT	0	0	0	0	80,000	80,000
USR 04 <16120 0240 >	Transformer	1.00	LOT	0	0	0	0	20,000	20,000
USR 04 <16120 0240 >	Control Building	1.00	LOT	0	0	0	0	100,000	100,000
USR 04 <16120 0240 >	Security	1.00	LOT	0	0	0	0	150,000	150,000
TOTAL Division 16 - Electrical				455	14,912	4,412	22,250	400,000	441,573

04. Samuel Avenue Dam

04_17. Division 17 - Instrumentation		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
USR 04 <	> Instrumentation			0.00	50000.00	0.00	50000.00	0.00	100000.00
		1.00	LOT	0	50,000	0	50,000	0	100,000
TOTAL Division 17 - Instrumentation				0	50,000	0	50,000	0	100,000
TOTAL Samuel Avenue Dam				198,341	6,289,132	1,638,823	12167134	3553650	23,648,739

06. Ecosystem Restoration

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 06\_17. Eco-Restoration QUANTY UOM MANHRS LABOR EQUIPMNT MATERIAL OTHER TOTAL COST  
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06\_17. 5. Riverbend

06\_17. 5.02. Division 2 - Site Work

USR 17 <02511 0100 > Site Prep - Normal (Turf Grass)		0.00	0.00	0.00	0.00	1750.00	1750.00
	31.00 AC	0	0	0	0	54,250	54,250
USR 17 <02511 0100 > Site Prep - Grassland/Wetland		0.00	0.00	0.00	0.00	4000.00	4000.00
	44.50 AC	0	0	0	0	178,000	178,000
USR 17 <02511 0100 > Site Prep - Tree Planting		0.00	0.00	0.00	0.00	2700.00	2700.00
	155.50 AC	0	0	0	0	419,850	419,850
USR 17 <02511 0100 > Irrigation System		0.00	0.00	0.00	0.00	500000	500000.00
	1.00 LOT	0	0	0	0	500,000	500,000
USR 17 <02511 0100 > Seeding - Normal (Turf Grass)		0.00	0.00	0.00	0.00	2515.00	2515.00
	31.00 AC	0	0	0	0	77,965	77,965
USR 17 <02511 0100 > Seeding - Grassland/Wetland		0.00	0.00	0.00	0.00	3200.00	3200.00
	45.70 AC	0	0	0	0	146,240	146,240
USR 17 <02511 0100 > Tree Planting - Woodlands		0.00	0.00	0.00	0.00	9200.00	9200.00
	155.50 AC	0	0	0	0	1430600	1,430,600

TOTAL Division 2 - Site Work 0 0 0 0 2806905 2,806,905

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 TOTAL Riverbend 0 0 0 0 2806905 2,806,905

06\_17.10. Rockwood

06\_17.10.02. Division 2 - Site Work

MIL 17 <02232 0265 > Excavate & load, wheeled loader, 5 CY, medium matl - Export		0.01	0.26	0.37	0.00	0.00	0.63
	50000 CY	405	12,800	18,600	0	0	31,400
AF 17 <02234 1105 > Hauling, hwy haulers, 16.5 CY, 4 mile round trip @ 20 MPH (1.6 cyc/hr) - Export		0.04	1.01	1.60	0.00	0.00	2.60
	50000 CY	1,905	50,310	79,935	0	0	130,245
MIL 17 <02215 2360 > Backfill, spread dumped gravel/fill, dozer, 6" layers, no compaction - Fill		0.00	0.11	0.12	0.00	0.00	0.23
	300000 SY	990	31,590	37,170	0	0	68,760
L RSM 17 <02220 5000 > Compaction, riding, vibrating roller, 6" lifts, 2 passes - Fill		0.00	0.11	0.10	0.00	0.00	0.21
	50000 CY	175	5,500	5,000	0	0	10,500

06. Ecosystem Restoration

06_17. Eco-Restoration	QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
USR 17 <02511 0100 > Site Prep - Normal (Turf Grass)	17.70	AC	0.00	0.00	0.00	0.00	1750.00	1750.00
			0	0	0	0	30,975	30,975
USR 17 <02511 0100 > Site Prep - Tree Planting	11.00	AC	0.00	0.00	0.00	0.00	2700.00	2700.00
			0	0	0	0	29,700	29,700
USR 17 <02511 0100 > Seeding - Normal (Turf Grass)	18.00	AC	0.00	0.00	0.00	0.00	2515.00	2515.00
			0	0	0	0	45,270	45,270
USR 17 <02511 0100 > Tree Planting - Woodlands	11.00	AC	0.00	0.00	0.00	0.00	9200.00	9200.00
			0	0	0	0	101,200	101,200
TOTAL Division 2 - Site Work			3,475	100,200	140,705	0	207,145	448,050
TOTAL Rockwood			3,475	100,200	140,705	0	207,145	448,050
06_17.15. Samuel Avenue Sites								
06_17.15.02. Division 2 - Site Work								
USR 17 <02511 0100 > Site Prep - Normal (Turf Grass)	95.50	AC	0.00	0.00	0.00	0.00	1750.00	1750.00
			0	0	0	0	167,125	167,125
USR 17 <02511 0100 > Site Prep - Tree Planting	3.00	AC	0.00	0.00	0.00	0.00	2700.00	2700.00
			0	0	0	0	8,100	8,100
USR 17 <02511 0100 > Seeding - Normal (Turf Grass)	95.50	AC	0.00	0.00	0.00	0.00	2515.00	2515.00
			0	0	0	0	240,183	240,183
USR 17 <02511 0100 > Tree Planting - Woodlands	3.00	AC	0.00	0.00	0.00	0.00	9200.00	9200.00
			0	0	0	0	27,600	27,600
TOTAL Division 2 - Site Work			0	0	0	0	443,008	443,008
TOTAL Samuel Avenue Sites			0	0	0	0	443,008	443,008
06_17.20. I-35 Sites								
06_17.20.02. Division 2 - Site Work								
USR 17 <02511 0100 > Site Prep - Normal (Turf Grass)	41.50	AC	0.00	0.00	0.00	0.00	1750.00	1750.00
			0	0	0	0	72,625	72,625
USR 17 <02511 0100 > Site Prep - Tree Planting	0.70	AC	0.00	0.00	0.00	0.00	2700.00	2700.00
			0	0	0	0	1,890	1,890
USR 17 <02511 0100 > Seeding - Normal (Turf Grass)	41.50	AC	0.00	0.00	0.00	0.00	2515.00	2515.00
			0	0	0	0	104,373	104,373



06. Ecosystem Restoration

06_17. Eco-Restoration	QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
USR 17 <02511 0100 > Tree Planting - Woodlands			0.00	0.00	0.00	0.00	9200.00	9200.00
	0.70	AC	0	0	0	0	6,440	6,440
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TOTAL Division 2 - Site Work			0	0	0	0	185,328	185,328
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TOTAL I-35 Sites			0	0	0	0	185,328	185,328
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TOTAL Eco-Restoration			3,475	100,200	140,705	0	3642385	3,883,290
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TOTAL Ecosystem Restoration			3,475	100,200	140,705	0	3642385	3,883,290

08. Roads and Bridges

08_08. Henderson Bridge & Roadway		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
08_08.02. Division 2 - Site Work									
MIL 08	<02215 2360 >	Backfill, spread dumped gravel/fill, dozer, 6" layers, no compaction - Fill	155664 SY	514	16,391	19,287	0	0	35,678
L RSM 08	<02220 5000 >	Compaction, riding, vibrating roller, 6" lifts, 2 passes - Fill	25944 CY	104	2,854	2,594	0	0	5,448
MIL 08	<02215 2360 >	Backfill, spread dumped gravel/fill, dozer, 6" layers, no compaction - Temporary Embankment	270000 SY	891	28,431	33,453	0	0	61,884
L RSM 08	<02220 5000 >	Compaction, riding, vibrating roller, 6" lifts, 2 passes - Temporary Embankment	45000 CY	180	4,950	4,500	0	0	9,450
L AF 08	<02226 3320 >	Excavation, bulk, scraper, for roadway, medium soil - Temporary Roadway Embankment	45000 CY	1,080	34,650	45,900	0	0	80,550
MIL 08	<02512 0020 >	Fine grade, for roadway, base or leveling course - Temporary By-Pass Road	4.50 MSY	53	1,601	803	0	0	2,404
MIL 08	<02505 0813 >	Asphaltic conc pavement, highway, binder course, 3" - Temporary By-Pass Road	750.00 TON	78	2,214	880	18,375	0	21,469
RSM 08	<02505 0850 >	Asphaltic conc pavement, highway, wearing course, 1" thick - Temporary By-Pass Road	250.00 TON	42	1,210	576	6,793	0	8,578
USR 08	<02215 2360 >	Lime Soil Stabilization - incl. scarifying and compaction, 6% mix 8" deep - Reconstruct Paving	9500.00 SY	0	46,930	20,235	10,830	0	77,995
MIL 08	<02511 0100 >	Conc pavement, w/jt, unreinforced,8"T,fixed form,12' pass,fnsh&curing	9500.00 SY	304	9,000	2,692	209,475	0	221,168
MIL 08	<02511 0702 >	Concrete pavement, finishing, small areas, belt dragged	9500.00 SY	608	19,055	0	0	0	19,055
AF 08	<02511 0745 >	Concrete pavement, construction joint, 10" thick	1790.00 LF	112	3,885	0	2,417	0	6,302

08. Roads and Bridges

08_08. Henderson Bridge & Roadway		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
MIL 08 <02511 1000 >	Concrete pavement, curing, w/sprayed membrane by hand	9500.00	SY	102	2,658	0	3,040	0	5,698
MIL 08 <02525 0240 >	Curb & gutter, reinforced conc, CIP, no forms	153.00	CY	49	1,639	0	11,905	0	13,544
MIL 08 <02525 0410 >	Curb, conc, steel forms, 6" x 18", straight	1700.00	LF	117	3,837	0	4,624	0	8,461
MIL 08 <02514 0350 >	Sidewalk, no base, 5" T, 3000 PSI, CIP w/ 6x6 mesh, broom fin, conc - Sidewalk	8500.00	SF	374	11,517	0	11,900	0	23,417
USR 08 <02244 0080 >	Drainage	1.00	LOT	0	0	0	0	50,000	50,000
USR 08 <02244 0080 >	Miscellaneous - Drainage, material and unforeseen conditions	1.00	LOT	0	0	0	0	400,000	400,000
AF 08 <02840 0160 >	Guide/guard rail, wood posts 6'3" OC, w/ corr galv steel rails	1700.00	LF	85	2,368	360	10,710	0	13,439
USR 08 <02220 5000 >	Pavement Markings & Signals	1.00	LOT	0	0	0	0	20,000	20,000
L AF 08 <02226 3320 >	Excavation, bulk, scraper, for roadway, medium soil - Access Roads	2200.00	CY	53	1,694	2,244	0	0	3,938
MIL 08 <02512 0020 >	Fine grade, for roadway, base or leveling course - Access Roads	36.50	MSY	429	12,986	6,512	0	0	19,498
M RSM 08 <02240 0020 >	Fill, borrow, for embankments, load, 1 mile haul, spread - Gravel for access road base	2200.00	CY	51	1,470	1,972	39,600	0	43,041
MIL 08 <02505 0813 >	Asphaltic conc pavement, highway, binder course, 3" - Access Roads	675.00	TON	70	1,992	792	16,538	0	19,322
RSM 08 <02505 0850 >	Asphaltic conc pavement, highway, wearing course, 1" thick - Access Roads	225.00	TON	38	1,089	518	6,113	0	7,720
USR 08 <02244 0080 >	Storm Sewer - Access Roads	1.00	LOT	0	0	0	0	25,000	25,000

08. Roads and Bridges

08_08. Henderson Bridge & Roadway		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
USR 08 <02220 5000 >	Pavement Markings & Signals - Access Roads	1.00	LOT	0	0	0	0	20,000	20,000
L AF 08 <02226 3320 >	Excavation, bulk, scraper, for roadway, medium soil - Detours	8250.00	CY	198	6,353	8,415	0	0	14,768
MIL 08 <02512 0020 >	Fine grade, for roadway, base or leveling course - Access Roads	45.40	MSY	534	16,153	8,100	0	0	24,253
M RSM 08 <02240 0020 >	Fill, borrow, for embankments, load, 1 mile haul, spread - Gravel for access road base	3000.00	CY	70	2,004	2,689	54,000	0	58,693
MIL 08 <02505 0813 >	Asphaltic conc pavement, highway, binder course, 3" - Access Roads	850.00	TON	88	2,509	998	20,825	0	24,331
RSM 08 <02505 0850 >	Asphaltic conc pavement, highway, wearing course, 1" thick - Access Roads	280.00	TON	47	1,355	645	7,608	0	9,607
USR 08 <02244 0080 >	Storm Sewer - Access Roads	1.00	LOT	0	0	0	0	27,500	27,500
USR 08 <02220 5000 >	Pavement Markings & Signals - Access Roads	1.00	LOT	0	0	0	0	25,000	25,000
TOTAL Division 2 - Site Work				6,269	240,795	164,165	434,751	567,500	1,407,211

08\_08.03. Division 3 - Concrete

USR 08 <	Henderson Bridge - Using Estimate Provided by the Bridge Designer	70000	SF	0	0	0	0	10500000	10,500,000
USR 08 <	Concrete - Footing 2126 LF @ 1'-6" thick and 18'-0" Wide - for bridge approaches	1900.00	CY	13,300	332,500	38,000	199,500	0	570,000
USR 08 <	Concrete - Wall 2126 LF @ 1'-0" thick and 10'-0" high - for bridge approaches	700.00	CY	6,300	157,500	14,000	91,000	0	262,500
USR 08 <	Reinforcing Steel - 175 lbs/cy - for bridge approaches	455000	LB	0	0	0	0	250,250	250,250
TOTAL Division 3 - Concrete				19,600	490,000	52,000	290,500	10750250	11,582,750

08. Roads and Bridges

08_08. Henderson Bridge & Roadway	QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
TOTAL Henderson Bridge & Roadway			25,869	730,795	216,165	725,251	11317750	12,989,961

08. Roads and Bridges

08_09. White Settlement Bridge & Roadway		QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	
08_09.02. Division 2 - Site Work										
MIL 09	<02215 2360 >	Backfill, spread dumped gravel/fill, dozer, 6" layers, no compaction - Fill	124746	SY	412	13,136	15,456	0	0	28,592
L RSM 09	<02220 5000 >	Compaction, riding, vibrating roller, 6" lifts, 2 passes - Fill	20791	CY	83	2,287	2,079	0	0	4,366
MIL 09	<02215 2360 >	Backfill, spread dumped gravel/fill, dozer, 6" layers, - Temporary Embankment	210000	SY	693	22,113	26,019	0	0	48,132
L RSM 09	<02220 5000 >	Compaction, riding, vibrating roller, 6" lifts, 2 passes - Temporary Embankment	35000	CY	140	3,850	3,500	0	0	7,350
AF 09	<02226 3320 >	Excavation, bulk, scraper, for roadway, medium soil - Temporary Embankment Removal	35000	CY	840	26,901	35,592	0	0	62,493
MIL 09	<02512 0020 >	Fine grade, for roadway, base or leveling course - Temporary By-Pass Road	3.50	MSY	41	1,245	624	0	0	1,870
MIL 09	<02505 0813 >	Asphaltic conc pavement, highway, binder course, 3" - Temporary By-Pass Road	590.00	TON	61	1,741	692	14,455	0	16,889
RSM 09	<02505 0850 >	Asphaltic conc pavement, highway, wearing course, 1" thick - Temporary By-Pass Road	195.00	TON	33	944	449	5,298	0	6,691
USR 09	<02215 2360 >	Lime Soil Stabilization - incl. scarifying and compaction, 6% mix 8" deep - Reconstruct Paving	8275.00	SY	0	40,879	17,626	9,434	0	67,938
MIL 09	<02511 0100 >	Conc pavement, w/jt, unreinforced, 8" T, fixed form, 12' pass, fnsh & curing	8275.00	SY	265	7,840	2,345	182,464	0	192,649
MIL 09	<02511 0702 >	Concrete pavement, finishing, small areas, belt dragged	8275.00	SY	530	16,598	0	0	0	16,598
AF 09	<02511 0745 >	Concrete pavement, construction joint, 10" thick	1495.00	LF	93	3,245	0	2,018	0	5,263

08. Roads and Bridges

08_09. White Settlement Bridge & Roadway		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
MIL 09	<02511 1000 > Concrete pavement, curing, w/sprayed membrane by hand	8275.00	SY	0.01 89	0.28 2,315	0.00 0	0.32 2,648	0.00 0	0.60 4,963
MIL 09	<02525 0240 > Curb & gutter, reinforced conc, CIP, no forms	162.00	CY	0.32 52	10.71 1,736	0.00 0	77.81 12,605	0.00 0	88.52 14,341
MIL 09	<02525 0410 > Curb, conc, steel forms, 6" x 18", straight	1800.00	LF	0.07 123	2.26 4,063	0.00 0	2.72 4,896	0.00 0	4.98 8,959
MIL 09	<02514 0350 > Sidewalk, no base, 5" T, 3000 PSI, CIP w/ 6x6 mesh, broom fin, conc - Sidewalk	9000.00	SF	0.04 396	1.35 12,194	0.00 0	1.40 12,600	0.00 0	2.75 24,794
USR 09	<02244 0080 > Drainage	1.00	LOT	0.00 0	0.00 0	0.00 0	0.00 0	50000.00 50,000	50000.00 50,000
USR 09	<02244 0080 > Miscellaneous - drainage, material and unforeseen conditions.	1.00	LOT	0.00 0	0.00 0	0.00 0	0.00 0	250000 250,000	250000.00 250,000
AF 09	<02840 0160 > Guide/guard rail, wood posts 6'3" OC, w/ corr galv steel rails	1800.00	LF	0.05 90	1.39 2,508	0.21 382	6.30 11,340	0.00 0	7.91 14,229
USR 09	<02244 0080 > Pavement Markings & Signs	1.00	LOT	0.00 0	0.00 0	0.00 0	0.00 0	20000.00 20,000	20000.00 20,000
L AF 09	<02226 3320 > Excavation, bulk, scraper, for roadway, medium soil - Access Roads	200.00	CY	0.02 5	0.77 154	1.02 204	0.00 0	0.00 0	1.79 358
MIL 09	<02512 0020 > Fine grade, for roadway, base or leveling course - Access Roads	0.60	MSY	11.76 7	355.79 213	178.42 107	0.00 0	0.00 0	534.20 321
M RSM 09	<02240 0020 > Fill, borrow, for embankments, load, 1 mile haul, spread - Gravel for access road base	200.00	CY	0.02 5	0.67 134	0.90 179	18.00 3,600	0.00 0	19.56 3,913
MIL 09	<02505 0813 > Asphaltic conc pavement, highway, binder course, 3" - Access Roads	75.00	TON	0.10 8	2.95 221	1.17 88	24.50 1,838	0.00 0	28.63 2,147
RSM 09	<02505 0850 > Asphaltic conc pavement, highway, wearing course, 1" thick - Access Roads	25.00	TON	0.17 4	4.84 121	2.30 58	27.17 679	0.00 0	34.31 858
USR 09	<02244 0080 > Storm Sewer - Access Roads	1.00	LOT	0.00 0	0.00 0	0.00 0	0.00 0	5000.00 5,000	5000.00 5,000

08. Roads and Bridges

08_09. White Settlement Bridge & Roadway		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
USR 09	<02220 5000 > Pavement Markings & Signals - Access Roads	1.00	LOT	0	0	0	0	5,000	5,000
L AF 09	<02226 3320 > Excavation, bulk, scraper, for roadway, medium soil - Detours	6750.00	CY	162	5,198	6,885	0	0	12,083
MIL 09	<02512 0020 > Fine grade, for roadway, base or leveling course - Access Roads	20.25	MSY	238	7,205	3,613	0	0	10,818
M RSM 09	<02240 0020 > Fill, borrow, for embankments, load, 1 mile haul, spread - Gravel for access road base	3000.00	CY	70	2,004	2,689	54,000	0	58,693
MIL 09	<02505 0813 > Asphaltic conc pavement, highway, binder course, 3" - Access Roads	845.00	TON	87	2,494	992	20,703	0	24,188
RSM 09	<02505 0850 > Asphaltic conc pavement, highway, wearing course, 1" thick - Access Roads	280.00	TON	47	1,355	645	7,608	0	9,607
USR 09	<02244 0080 > Storm Sewer - Access Roads	1.00	LOT	0	0	0	0	22,500	22,500
USR 09	<02220 5000 > Pavement Markings & Signals - Access Roads - Intersection signals for White Settlement and Henderson	1.00	LOT	0	0	0	0	100,000	100,000
TOTAL Division 2 - Site Work				4,573	182,693	120,223	346,185	452,500	1,101,600

08\_09.03. Division 3 - Concrete

USR 09	< > White Settlement Bridge - Using Estimate Provided by the Bridge Designer.	55860	SF	0	0	0	0	8379000	8,379,000
USR 09	< > Concrete - Footing 2100 LF @ 1'-6" thick and 18'-0" Wide - for bridge approaches	1820.00	CY	12,740	318,500	36,400	191,100	0	546,000
USR 09	< > Concrete - Wall 2100 LF @ 1'-0" thick and 10'-0" high - for bridge approaches	675.00	CY	6,075	151,875	13,500	87,750	0	253,125
USR 09	< > Reinforcing Steel - 175 lbs/cy - for bridge approaches	436625	LB	0	0	0	0	240,144	240,144



08. Roads and Bridges

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08_09. White Settlement Bridge & Roadway	QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
TOTAL Division 3 - Concrete			18,815	470,375	49,900	278,850	8619144	9,418,269
TOTAL White Settlement Bridge & Roadway			23,388	653,068	170,123	625,035	9071644	10,519,869

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08. Roads and Bridges

08_10. Main Street Bridge & Roadway		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	
08_10.02. Division 2 - Site Work										
MIL 10	<02215 2360 >	Backfill, spread dumped gravel/fill, dozer, 6" layers, no compaction - Fill	104010	SY	0.00 343	0.11 10,952	0.12 12,887	0.00 0	0.00 0	0.23 23,839
L RSM 10	<02220 5000 >	Compaction, riding, vibrating roller, 6" lifts, 2 passes - Fill	17335	CY	0.00 69	0.11 1,907	0.10 1,734	0.00 0	0.00 0	0.21 3,640
B MIL 10	<02505 0813 >	Surface Overlay - Detour	15000	SY	0.10 1,553	0.00 0	0.00 0	0.00 0	5.00 75,000	5.00 75,000
B RSM 10	<02505 0850 >	Temporary Traffic Signals/ Markings/ Signs/ CTB - Detour	1.00	LOT	0.17 0	0.00 0	0.00 0	0.00 0	25000.00 25,000	25000.00 25,000
USR 10	<02215 2360 >	Lime Soil Stabilization - incl. scarifying and compaction, 6% mix 8" deep - Reconstruct Paving	7600.00	SY	0.00 0	4.94 37,544	2.13 16,188	1.14 8,664	0.00 0	8.21 62,396
MIL 10	<02511 0100 >	Conc pavement, w/jt, unreinforced,8"T,fixed form,12' pass,fnsh&curing	7600.00	SY	0.03 243	0.95 7,200	0.28 2,154	22.05 167,580	0.00 0	23.28 176,934
MIL 10	<02511 0702 >	Concrete pavement, finishing, small areas, belt dragged	7600.00	SY	0.06 486	2.01 15,244	0.00 0	0.00 0	0.00 0	2.01 15,244
AF 10	<02511 0745 >	Concrete pavement, construction joint, 10" thick	1395.00	LF	0.06 87	2.17 3,028	0.00 0	1.35 1,883	0.00 0	3.52 4,911
MIL 10	<02511 1000 >	Concrete pavement, curing, w/sprayed membrane by hand	7600.00	SY	0.01 81	0.28 2,126	0.00 0	0.32 2,432	0.00 0	0.60 4,558
MIL 10	<02525 0240 >	Curb & gutter, reinforced conc, CIP, no forms	162.00	CY	0.32 52	10.71 1,736	0.00 0	77.81 12,605	0.00 0	88.52 14,341
MIL 10	<02525 0410 >	Curb, conc, steel forms, 6" x 18", straight	1800.00	LF	0.07 123	2.26 4,063	0.00 0	2.72 4,896	0.00 0	4.98 8,959
MIL 10	<02514 0350 >	Sidewalk, no base, 5" T, 3000 PSI, CIP w/ 6x6 mesh, broom fin, conc - Sidewalk	9000.00	SF	0.04 396	1.35 12,194	0.00 0	1.40 12,600	0.00 0	2.75 24,794
USR 10	<02244 0080 >	Drainage	1.00	LOT	0.00 0	0.00 0	0.00 0	0.00 0	50000.00 50,000	50000.00 50,000
USR 10	<02244 0080 >	Miscellaneous - drainage, material and unforeseen conditions	1.00	LOT	0.00 0	0.00 0	0.00 0	0.00 0	100000 100,000	100000.00 100,000

08. Roads and Bridges

08_10. Main Street Bridge & Roadway		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
AF 10	<02840 0160 > Guide/guard rail, wood posts 6'3" OC, w/ corr galv steel rails	1800.00	LF	0.05 90	1.39 2,508	0.21 382	6.30 11,340	0.00 0	7.91 14,229
USR 10	<02244 0080 > Pavement Markings & Signals	1.00	LOT	0.00 0	0.00 0	0.00 0	0.00 0	20000.00 20,000	20000.00 20,000
TOTAL Division 2 - Site Work				3,525	98,502	33,344	222,000	270,000	623,846
08_10.03. Division 3 - Concrete									
USR 10	< > Main Street Bridge - Using Estimate Provided by the Bridge Designer.	30856	SF	0.00 0	0.00 0	0.00 0	0.00 0	400.00 12342400	400.00 12,342,400
USR 10	< > Concrete - Footing 688 LF @ 1'-6" thick and 18'-0" Wide - for bridge approaches	1750.00	CY	7.00 12,250	175.00 306,250	20.00 35,000	105.00 183,750	0.00 0	300.00 525,000
USR 10	< > Concrete - Wall 688 LF @ 1'-0" thick and 10'-0" high - for bridge approaches	650.00	CY	9.00 5,850	225.00 146,250	20.00 13,000	130.00 84,500	0.00 0	375.00 243,750
USR 10	< > Reinforcing Steel - 175 lbs/cy - for bridge approaches	420000	LB	0.00 0	0.00 0	0.00 0	0.00 0	0.55 231,000	0.55 231,000
TOTAL Division 3 - Concrete				18,100	452,500	48,000	268,250	12573400	13,342,150
TOTAL Main Street Bridge & Roadway				21,625	551,002	81,344	490,250	12843400	13,965,996

08. Roads and Bridges

08_11. White Settlement Extension B & R		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	
08_11.02. Division 2 - Site Work										
MIL 11	<02232 0265 >	Excavate & load, wheeled loader, 5 CY, medium matl - Excavate	2370.00	CY	0.01 19	0.26 607	0.37 882	0.00 0	0.00 0	0.63 1,488
MIL 11	<02215 2360 >	Backfill, spread dumped gravel/fill, dozer, 6" layers, no compaction - Fill	92400	SY	0.00 305	0.11 9,730	0.12 11,448	0.00 0	0.00 0	0.23 21,178
L RSM 11	<02220 5000 >	Compaction, riding, vibrating roller, 6" lifts, 2 passes - Fill	15400	CY	0.00 62	0.11 1,694	0.10 1,540	0.00 0	0.00 0	0.21 3,234
USR 11	<02215 2360 >	Lime Soil Stabilization - incl. scarifying and compaction, 6% mix 8" deep - Reconstruct Paving	12560	SY	0.00 0	4.94 62,046	2.13 26,753	1.14 14,318	0.00 0	8.21 103,118
MIL 11	<02511 0100 >	Conc pavement, w/jt, unreinforced,8"T,fixed form,12' pass,fnsh&curing	12560	SY	0.03 402	0.95 11,899	0.28 3,560	22.05 276,948	0.00 0	23.28 292,407
MIL 11	<02511 0702 >	Concrete pavement, finishing, small areas, belt dragged	12560	SY	0.06 804	2.01 25,193	0.00 0	0.00 0	0.00 0	2.01 25,193
AF 11	<02511 0745 >	Concrete pavement, construction joint, 10" thick	2512.00	LF	0.06 157	2.17 5,452	0.00 0	1.35 3,391	0.00 0	3.52 8,843
MIL 11	<02511 1000 >	Concrete pavement, curing, w/sprayed membrane by hand	12560	SY	0.01 134	0.28 3,514	0.00 0	0.32 4,019	0.00 0	0.60 7,533
MIL 11	<02525 0240 >	Curb & gutter, reinforced conc, CIP, no forms	425.00	CY	0.32 136	10.71 4,553	0.00 0	77.81 33,069	0.00 0	88.52 37,622
MIL 11	<02525 0410 >	Curb, conc, steel forms, 6" x 18", straight	4710.00	LF	0.07 323	2.26 10,630	0.00 0	2.72 12,811	0.00 0	4.98 23,442
MIL 11	<02514 0350 >	Sidewalk, no base, 5" T, 3000 PSI, CIP w/ 6x6 mesh, broom fin, conc - Sidewalk	23550	SF	0.04 1,036	1.35 31,908	0.00 0	1.40 32,970	0.00 0	2.75 64,878
MIL 11	<02228 0342 >	Excavate trench, mdm soil, 6'-10' D, 1.5 CY excavator - Storm Drainage	1315.00	CY	0.01 16	0.39 511	0.30 399	0.00 0	0.00 0	0.69 910
MIL 11	<02762 1060 >	Piping, drainage & sewage, NRCP, extra str,b&s/T&G,18" dia - Storm Drainage	2355.00	LF	0.33 785	9.15 21,555	0.72 1,695	7.46 17,568	0.00 0	17.33 40,819

08. Roads and Bridges

08_11. White Settlement Extension B & R		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
MIL 11	<02752 4540 > Catch basin, CI, frame & cover, curb inlet type, 27" x 27" - Storm Drainage	8.00	EA	19	544	83	5,508	0	6,135
RSM 11	<02216 2000 > Backfill, str1, sand & gravel, no cmpct, 75 HP dozer, 50' haul - Storm Drainage	1315.00	CY	14	453	229	0	0	682
USR 11	<02244 0080 > Miscellaneous - drainage, material and unforeseen conditions	1.00	LOT	0	0	0	0	250,000	250,000
TOTAL Division 2 - Site Work				4,212	190,290	46,588	400,604	250,000	887,482
08_11.03. Division 3 - Concrete									
USR 11	< > White Settlement @ Water Feature Bridge - SF cost obtained from MEANS.	19900	SF	0	0	0	0	2208900	2,208,900
TOTAL Division 3 - Concrete				0	0	0	0	2208900	2,208,900
TOTAL White Settlement Extension B & R				4,212	190,290	46,588	400,604	2458900	3,096,382

08. Roads and Bridges

08_12. Street Modifications - General		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
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08_12.02. Division 2 -Site Work									
USR 12	< > Street Terminations - Basic			0.00	15000.00	5000.00	15000.00	0.00	35000.00
		10.00	EA	0	150,000	50,000	150,000	0	350,000
USR 12	< > Street Terminations - Cul du sac			0.00	31000.00	10000.00	30000.00	0.00	71000.00
		5.00	EA	0	155,000	50,000	150,000	0	355,000
USR 12	<02215 2360 > Lime Soil Stabilization - incl. scarifying and compaction, 6% mix 8" deep - Reconstruct Paving			0.00	4.94	2.13	1.14	0.00	8.21
		10000	SY	0	49,400	21,300	11,400	0	82,100
MIL 12	<02511 0100 > Conc pavement, w/jt, unreinforced,8"T,fixed form,12' pass,fnsh&curing			0.03	0.95	0.28	22.05	0.00	23.28
		10000	SY	320	9,474	2,834	220,500	0	232,808
MIL 12	<02511 0702 > Concrete pavement, finishing, small areas, belt dragged			0.06	2.01	0.00	0.00	0.00	2.01
		10000	SY	640	20,058	0	0	0	20,058
AF 12	<02511 0745 > Concrete pavement, construction joint, 10" thick			0.06	2.17	0.00	1.35	0.00	3.52
		1800.00	LF	113	3,907	0	2,430	0	6,337
MIL 12	<02511 1000 > Concrete pavement, curing, w/sprayed membrane by hand			0.01	0.28	0.00	0.32	0.00	0.60
		10000	SY	107	2,798	0	3,200	0	5,998
USR 12	<02243 0100 > Paving & Miscellaneous			0.00	150000.00	0.00	150000.00	0.00	300000.00
		1.00	LOT	0	150,000	0	150,000	0	300,000
USR 12	< > Local Drainage Modifications			800.00	20000.00	20000.00	50000.00	0.00	90000.00
		1.00	LOT	800	20,000	20,000	50,000	0	90,000
TOTAL Division 2 -Site Work				1,980	560,637	144,134	737,530	0	1,442,301
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08_12.16. Division 16 - Electrical									
USR 12	< > Lighting & Miscellaneous			0.00	275000.00	0.00	275000.00	0.00	550000.00
		1.00	LOT	0	275,000	0	275,000	0	550,000
TOTAL Division 16 - Electrical				0	275,000	0	275,000	0	550,000
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TOTAL Street Modifications - General				1,980	835,637	144,134	1,012,530	0	1,992,301
-----									
TOTAL Roads and Bridges				77,073	2,960,792	658,354	3,253,670	35691694	42,564,509

09. Channel - Bypass

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 09\_05. Bypass Channel - North  
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QUANTY UOM MANHRS LABOR EQUIPMNT MATERIAL OTHER TOTAL COST

09\_05.02. Division 2 - Site Work

CIV 05 <02232 0285 >	Excavate & load, wheeled loader, 7 CY, medium matl	550912 CY	0.01 3,305	0.20 109,356	0.41 225,048	0.00 0	0.00 0	0.61 334,404
CIV 05 <02234 2400 >	Hauling, off hwy haulers, 65 CY, 1 mile RT @ 20 mph (4.2 cyc/hr)	550912 CY	0.00 2,314	0.11 60,655	0.51 279,147	0.00 0	0.00 0	0.62 339,803
MIL 05 <02238 3620 >	Ripping, rock, sedimentary rock, dozer, 285 HP, single shank ripper - Rock	55952 CY	0.01 448	0.25 14,133	0.37 20,870	0.00 0	0.00 0	0.63 35,004
CIV 05 <02232 0295 >	Excavate & load, wheeled loader, 7 CY, blasted rock - Rock	55952 CY	0.01 722	0.43 23,886	0.88 49,154	0.00 0	0.00 0	1.31 73,040
AF 05 <02234 1105 >	Hauling, hwy haulers, 16.5 CY, 4 mile round trip @ 20 MPH (1.6 cyc/hr) - Rock	55952 CY	0.04 2,132	1.01 56,299	1.60 89,450	0.00 0	0.00 0	2.60 145,749
USR 05 <02234 1105 >	Coffer Dam - Sheet Pile 400 lf long by 30 lf tall, backed up with local spoils, Removed at completion	12000 SF	0.07 840	1.87 22,440	1.98 23,760	16.15 193,800	0.00 0	20.00 240,000
USR 05 <02232 0285 >	Care of Water - Pumps	4.00 EA	80.00 320	2400.00 9,600	2000.00 8,000	20000.00 80,000	0.00 0	24400.00 97,600
USR 05 <02232 0285 >	Care of Water - Settling Basin	2.00 EA	160.00 320	4000.00 8,000	5000.00 10,000	2000.00 4,000	0.00 0	11000.00 22,000
USR 05 <02232 0285 >	Care of Water - Discharge Piping	2.00 LOT	320.00 640	9600.00 19,200	2000.00 4,000	10000.00 20,000	0.00 0	21600.00 43,200
USR 05 <02232 0285 >	Care of Water - Outfall	2.00 LOT	80.00 160	2400.00 4,800	2000.00 4,000	3000.00 6,000	0.00 0	7400.00 14,800
MIL 05 <02215 2360 >	Backfill, spread dumped gravel/fill, dozer, 6" layers, no compaction - Valley Fill	453210 SY	0.00 1,496	0.11 47,723	0.12 56,153	0.00 0	0.00 0	0.23 103,876
L RSM 05 <02220 5000 >	Compaction, riding, vibrating roller, 6" lifts, 2 passes - Valley Fill	75535 CY	0.00 302	0.11 8,309	0.10 7,554	0.00 0	0.00 0	0.21 15,862
MIL 05 <02215 2360 >	Backfill, spread dumped gravel/fill, dozer, 6" layers, no compaction - Levee Fill	1057494 SY	0.00 3,490	0.11 111,354	0.12 131,024	0.00 0	0.00 0	0.23 242,378

09. Channel - Bypass

09_05. Bypass Channel - North		QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
L RSM 05 <02220 5000 >	Compaction, riding, vibrating roller, 6" lifts, 2 passes - Levee Fill	176249	CY	705	19,387	17,625	0	0	37,012
MIL 05 <02215 2360 >	Backfill, spread dumped gravel/fill, dozer, 6" layers, no compaction - Retaining Wall Fill	813456	SY	2,684	85,657	100,787	0	0	186,444
L RSM 05 <02220 5000 >	Compaction, riding, vibrating roller, 6" lifts, 2 passes - Retaining Wall Fill	135576	CY	542	14,913	13,558	0	0	28,471
MIL 05 <02232 0265 >	Excavate & load, wheeled loader, 5 CY, medium matl	146336	CY	1,185	37,462	54,437	0	0	91,899
AF 05 <02234 1105 >	Hauling, hwy haulers, 16.5 CY, 4 mile round trip @ 20 MPH (1.6 cyc/hr)	146336	CY	5,575	147,243	233,947	0	0	381,191
M RSM 05 <02240 0020 >	Fill, borrow, for embankments, load, 1 mile haul, spread w/dozer - Structural Fill	68864	CY	1,605	46,001	61,723	0	0	107,724
MIL 05 <02241 0805 >	Loam or topsoil, furnish & place, imported, 6" deep	22596	CY	1,993	62,959	32,604	392,041	0	487,604
M RSM 05 <02240 0020 >	Fill, borrow, for embankments, load, 1 mile haul, spread - Gravel for Drainage behind Retaining Walls	4777.00	CY	111	3,191	4,282	85,986	0	93,459
CIV 05 <02270 0110 >	Rip-rap, machine placed for slope prot, 3/8 to 1/4 CY pieces, grouted	4304.00	SY	3,013	84,971	35,001	139,062	0	259,034
CIV 05 <02270 1200 >	Rip-rap, sand-cement rip rap	4304.00	SY	3,443	90,322	0	31,677	0	121,999
MIL 05 <02514 0350 >	Sidewalk, no base, 5" T, 3000 PSI, CIP w/ 6x6 mesh, broom fin, conc	41163	SF	1,811	55,772	0	57,628	0	113,400
MIL 05 <02514 0400 >	Sidewalk, no base, 6" T, 3000 PSI, CIP w/ 6x6 mesh, broom fin, conc	68606	SF	3,231	99,335	0	111,828	0	211,162
B MIL 05 <02932 0300 >	Seeding, Bermuda grass, mechanical seeding, 450#/AC - Seeding and Mulching	36.70	AC	248	8,081	3,936	32,023	0	44,040



09. Channel - Bypass

09_05. Bypass Channel - North		QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
AF 05 <02933 1200 >	Sodding, bent grass sod, sodding1000 SF or more, on level ground	93.71	MSF	2.86 268	78.58 7,364	3.94 369	344.92 32,322	0.00 0	427.44 40,055
USR 05 <02932 0300 >	Trees - Shrubs etc.	1.00	LOT	0.00 0	53800.00 53,800	0.00 0	53800.00 53,800	0.00 0	107600.00 107,600
TOTAL Division 2 - Site Work				42,904	1,312,215	1,466,427	1,240,167	0	4,018,809
09_05.03. Division 3 - Concrete									
09_05.03. 5. Lower Wall									
USR 05 <	> Concrete - Footing	3595.00	CY	7.00 25,165	175.00 629,125	20.00 71,900	105.00 377,475	0.00 0	300.00 1,078,500
USR 05 <	> Concrete - Wall	2100.00	CY	9.00 18,900	225.00 472,500	20.00 42,000	130.00 273,000	0.00 0	375.00 787,500
USR 05 <	> Reinforcing Steel - 175 lbs/cy	996625	LB	0.00 0	0.00 0	0.00 0	0.00 0	0.55 548,144	0.55 548,144
TOTAL Lower Wall				44,065	1,101,625	113,900	650,475	548,144	2,414,144
09_05.03.10. Middle Wall									
USR 05 <	> Concrete - Footing	2305.00	CY	7.00 16,135	175.00 403,375	20.00 46,100	105.00 242,025	0.00 0	300.00 691,500
USR 05 <	> Concrete - Wall	1795.00	CY	9.00 16,155	225.00 403,875	20.00 35,900	130.00 233,350	0.00 0	375.00 673,125
USR 05 <	> Reinforcing Steel - 175 lbs/cy	717500	LB	0.00 0	0.00 0	0.00 0	0.00 0	0.55 394,625	0.55 394,625
TOTAL Middle Wall				32,290	807,250	82,000	475,375	394,625	1,759,250
09_05.03.15. Upper Wall									
USR 05 <	> Concrete - Footing	3200.00	CY	7.00 22,400	175.00 560,000	20.00 64,000	105.00 336,000	0.00 0	300.00 960,000
USR 05 <	> Concrete - Wall	2715.00	CY	9.00 24,435	225.00 610,875	20.00 54,300	130.00 352,950	0.00 0	375.00 1,018,125
USR 05 <	> Reinforcing Steel - 175 lbs/cy	1035125	LB	0.00 0	0.00 0	0.00 0	0.00 0	0.55 569,319	0.55 569,319

09. Channel - Bypass

09_05. Bypass Channel - North	QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
TOTAL Upper Wall			46,835	1,170,875	118,300	688,950	569,319	2,547,444
TOTAL Division 3 - Concrete			123,190	3,079,750	314,200	1,814,800	1512088	6,720,838
TOTAL Bypass Channel - North			166,094	4,391,965	1,780,627	3,054,967	1512088	10,739,646

09. Channel - Bypass

09_06. Bypass Channel - South		QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
09_06.02. Division 2 - Site Work									
CIV 06	<02232 0285 >	Excavate & load, wheeled loader, 7 CY, medium matl	729088	CY	4,375	144,724	297,832	0	442,556
CIV 06	<02234 2400 >	Hauling, off hwy haulers, 65 CY, 1 mile RT @ 20 mph (4.2 cyc/hr)	729088	CY	3,062	80,273	369,429	0	449,701
MIL 06	<02238 3620 >	Ripping, rock, sedimentary rock, dozer, 285 HP, single shank ripper - Rock	74048	CY	592	18,705	27,620	0	46,324
CIV 06	<02232 0295 >	Excavate & load, wheeled loader, 7 CY, blasted rock - Rock	74048	CY	955	31,611	65,051	0	96,662
AF 06	<02234 1105 >	Hauling, hwy haulers, 16.5 CY, 4 mile round trip @ 20 MPH (1.6 cyc/hr) - Rock	74048	CY	2,821	74,507	118,381	0	192,888
USR 06	<02234 1105 >	Coffer Dam - Sheet Pile 420 lf long by 30 lf tall, backed up with local spoils, removed at completion	12600	SF	882	23,562	24,948	203,490	252,000
USR 06	<02234 1105 >	Care of Water - Pumps	4.00	EA	320	9,600	8,000	80,000	97,600
USR 06	<02234 1105 >	Care of Water - Settling Basin	2.00	EA	320	8,000	10,000	4,000	22,000
USR 06	<02234 1105 >	Care of Water - Discharge Piping	2.00	EA	640	19,200	4,000	20,000	43,200
USR 06	<02234 1105 >	Care of Water - Outfall	2.00	EA	160	4,800	4,000	6,000	14,800
MIL 06	<02215 2360 >	Backfill, spread dumped gravel/fill, dozer, 6" layers, no compaction - Valley Fill	599790	SY	1,979	63,158	74,314	0	137,472
L RSM 06	<02220 5000 >	Compaction, riding, vibrating roller, 6" lifts, 2 passes - Valley Fill	99965	CY	400	10,996	9,997	0	20,993
MIL 06	<02215 2360 >	Backfill, spread dumped gravel/fill, dozer, 6" layers, no compaction - Levee Fill	1399506	SY	4,618	147,368	173,399	0	320,767

09. Channel - Bypass

09_06. Bypass Channel - South		QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
L RSM 06	<02220 5000 >	Compaction, riding, vibrating roller, 6" lifts, 2 passes - Levee Fill		0.00	0.11	0.10	0.00	0.00	0.21
		233251	CY	933	25,658	23,325	0	0	48,983
MIL 06	<02215 2360 >	Backfill, spread dumped gravel/fill, dozer, 6" layers, no compaction - Retaining Wall Fill		0.00	0.11	0.12	0.00	0.00	0.23
		1076544	SY	3,553	113,360	133,384	0	0	246,744
L RSM 06	<02220 5000 >	Compaction, riding, vibrating roller, 6" lifts, 2 passes - Retaining Wall Fill		0.00	0.11	0.10	0.00	0.00	0.21
		179424	CY	718	19,737	17,942	0	0	37,679
MIL 06	<02232 0265 >	Excavate & load, wheeled loader, 5 CY, medium matl		0.01	0.26	0.37	0.00	0.00	0.63
		193664	CY	1,569	49,578	72,043	0	0	121,621
AF 06	<02234 1105 >	Hauling, hwy haulers, 16.5 CY, 4 mile round trip @ 20 MPH (1.6 cyc/hr)		0.04	1.01	1.60	0.00	0.00	2.60
		193664	CY	7,379	194,865	309,611	0	0	504,475
M RSM 06	<02240 0020 >	Fill, borrow, for embankments, load, 1 mile haul, spread w/dozer - Structural Fill		0.02	0.67	0.90	0.00	0.00	1.56
		91136	CY	2,123	60,879	81,685	0	0	142,564
MIL 06	<02241 0805 >	Loam or topsoil, furnish & place, imported, 6" deep		0.09	2.79	1.44	17.35	0.00	21.58
		29904	CY	2,638	83,322	43,148	518,834	0	645,304
M RSM 06	<02240 0020 >	Fill, borrow, for embankments, load, 1 mile haul, spread - Gravel for Drainage behind the Retaining Walls		0.02	0.67	0.90	18.00	0.00	19.56
		6323.00	CY	147	4,224	5,667	113,814	0	123,705
CIV 06	<02270 0110 >	Rip-rap, machine placed for slope prot, 3/8 to 1/4 CY pieces, grouted		0.70	19.74	8.13	32.31	0.00	60.18
		5696.00	SY	3,987	112,453	46,320	184,038	0	342,811
CIV 06	<02270 1200 >	Rip-rap, sand-cement rip rap		0.80	20.99	0.00	7.36	0.00	28.35
		5696.00	SY	4,557	119,534	0	41,923	0	161,457
MIL 06	<02514 0350 >	Sidewalk, no base, 5" T, 3000 PSI, CIP w/ 6x6 mesh, broom fin, conc		0.04	1.35	0.00	1.40	0.00	2.75
		54477	SF	2,397	73,811	0	76,268	0	150,079
MIL 06	<02514 0400 >	Sidewalk, no base, 6" T, 3000 PSI, CIP w/ 6x6 mesh, broom fin, conc		0.05	1.45	0.00	1.63	0.00	3.08
		90794	SF	4,276	131,461	0	147,994	0	279,455
B MIL 06	<02932 0300 >	Seeding, Bermuda grass, mechanical seeding, 450#/AC - Seeding and Mulching		6.76	220.20	107.24	872.56	0.00	1200.00
		42.90	AC	290	9,447	4,601	37,433	0	51,480

09. Channel - Bypass

09_06. Bypass Channel - South		QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
AF 06 <02933 1200 >	Sodding, bent grass sod, sodding1000 SF or more, on level ground	140.56	MSF	2.86 402	78.58 11,046	3.94 554	344.92 48,483	0.00 0	427.44 60,082
USR 06 <02932 0300 >	Trees - Shrubs etc.	1.00	LOT	0.00 0	71200.00 71,200	0.00 0	71200.00 71,200	0.00 0	142400.00 142,400
TOTAL Division 2 - Site Work				56,093	1,717,075	1,925,251	1,553,476	0	5,195,802
09_06.03. Division 3 - Concrete									
09_06.03. 5. Lower Wall									
USR 06 <	> Concrete - Footing	4765.00	CY	7.00 33,355	175.00 833,875	20.00 95,300	105.00 500,325	0.00 0	300.00 1,429,500
USR 06 <	> Concrete - Wall	2780.00	CY	9.00 25,020	225.00 625,500	20.00 55,600	130.00 361,400	0.00 0	375.00 1,042,500
USR 06 <	> Reinforcing Steel - 175 lbs/cy	1320375	LB	0.00 0	0.00 0	0.00 0	0.00 0	0.55 726,206	0.55 726,206
TOTAL Lower Wall				58,375	1,459,375	150,900	861,725	726,206	3,198,206
09_06.03.10. Middle Wall									
USR 06 <	> Concrete - Footing	3055.00	CY	7.00 21,385	175.00 534,625	20.00 61,100	105.00 320,775	0.00 0	300.00 916,500
USR 06 <	> Concrete - Wall	2380.00	CY	9.00 21,420	225.00 535,500	20.00 47,600	130.00 309,400	0.00 0	375.00 892,500
USR 06 <	> Reinforcing Steel - 175 lbs/cy	951125	LB	0.00 0	0.00 0	0.00 0	0.00 0	0.55 523,119	0.55 523,119
TOTAL Middle Wall				42,805	1,070,125	108,700	630,175	523,119	2,332,119
09_06.03.15. Upper Wall									
USR 06 <	> Concrete - Footing	4240.00	CY	7.00 29,680	175.00 742,000	20.00 84,800	105.00 445,200	0.00 0	300.00 1,272,000
USR 06 <	> Concrete - Wall	3595.00	CY	9.00 32,355	225.00 808,875	20.00 71,900	130.00 467,350	0.00 0	375.00 1,348,125
USR 06 <	> Reinforcing Steel - 175 lbs/cy	1371125	LB	0.00 0	0.00 0	0.00 0	0.00 0	0.55 754,119	0.55 754,119

09. Channel - Bypass

09_06. Bypass Channel - South		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
TOTAL Upper Wall				62,035	1,550,875	156,700	912,550	754,119	3,374,244
09_06.03.20. Pedestrian Crossings									
USR 06 <	> Pedestrian Crossing - North, Flood Water Control Structure, Steel Trussed or Arched	3000.00	SF	0	0	0	0	450,000	450,000
USR 06 <	> Pedestrian Crossing - South, Flood Water Control Structure, Steel Trussed or Arched	5000.00	SF	0	0	0	0	1050000	1,050,000
TOTAL Pedestrian Crossings				0	0	0	0	1500000	1,500,000
TOTAL Division 3 - Concrete				163,215	4,080,375	416,300	2,404,450	3503444	10,404,569
TOTAL Bypass Channel - South				219,308	5,797,450	2,341,551	3,957,926	3503444	15,600,371
TOTAL Channel - Bypass				385,401	10189415	4,122,178	7,012,893	5015531	26,340,017

13. Stormwater Pumping Facility

13_02. Division 2 - Site Work		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
MIL 19 <02216 5530 >	Backfill, strl, 6" lifts, w/loader, no compaction, around foundation	23100	CY	0.02 494	0.68 15,632	0.47 10,839	0.00 0	0.00 0	1.15 26,470
MIL 19 <02220 6400 >	Compaction, 1 ton roller, around structures & trenches	23100	CY	0.06 1,386	1.89 43,768	0.34 7,785	0.00 0	0.00 0	2.23 51,552
M MIL 19 <02228 0342 >	Excavate trench, mdm soil, 6'-10' D, 1.5 CY excavator	5000.00	CY	0.01 60	0.39 1,943	0.30 1,518	0.39 1,950	0.00 0	1.08 5,411
M AF 19 <02240 0030 >	Fill, spread borrow w/dozer	100.00	CY	0.01 1	0.38 38	0.45 45	18.00 1,800	0.00 0	18.83 1,883
B MIL 19 <02384 0300 >	Pile, steel, "H" sections, 50' long, HP14 x 102	1003.50	VLF	0.65 653	4.53 4,546	2.86 2,870	25.99 26,081	0.00 0	33.38 33,497
CIV 19 <02384 4600 >	Pile Driver, open, for mobilization, 50 mile radius	1.00	EA	24.00 24	669.09 669	105.53 106	0.00 0	0.00 0	774.62 775
MIL 19 <02232 0245 >	Excavate & load, wheeled loader, 3 CY, medium matl	18000	CY	0.01 196	0.34 6,201	0.32 5,810	0.00 0	0.00 0	0.67 12,011
MIL 19 <02234 0450 >	Hauling, hwy haulers, 12 CY, 3 mi round trip @ 30 MPH (2.9 cyc/hr)	18000	CY	0.05 848	1.24 22,374	1.85 33,329	0.00 0	0.00 0	3.09 55,703
MIL 19 <02831 6570 >	Fence, CL, 6' H, vinyl line post @ 10' OC, 9g mesh, 1-5/8" top rail	241.00	LF	0.21 51	5.87 1,414	0.89 215	8.75 2,109	0.00 0	15.51 3,738
MIL 19 <02833 7020 >	Fence, CL scty, in conc, barbed wire fence post, vinyl coate	24.00	EA	0.33 8	8.74 210	1.69 41	19.69 473	0.00 0	30.13 723
MIL 19 <02833 7050 >	Fence, CL scty, per strand, barbed wire, vinyl coated	723.00	LF	0.01 6	0.21 152	0.04 29	0.13 94	0.00 0	0.38 275
MIL 19 <02835 6645 >	Fence, CL, in conc, 6' H, incl, line posts, vinyl coated, 2.5" OD	24.00	EA	0.43 10	12.05 289	1.83 44	36.97 887	0.00 0	50.85 1,220
USR 19 <02216 5530 >	Grasscrete Erosion Control	1200.00	SY	0.00 0	0.00 0	0.00 0	0.00 0	50.00 60,000	50.00 60,000
TOTAL Division 2 - Site Work				3,737	97,234	62,630	33,394	60,000	253,257

13. Stormwater Pumping Facility

13_03. Division 3 - Concrete		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
MIL 19 <02511 0100 >	Conc pavement, w/jt, unreinforced,8"T,fixed form,12' pass,fnsh&curing	670.00	SY	0.03 21	0.95 635	0.28 190	22.05 14,774	0.00 0	23.28 15,598
MIL 19 <02511 0700 >	Concrete pavement, finishing, small areas, broom finish	670.00	SY	0.13 89	4.18 2,800	0.00 0	0.00 0	0.00 0	4.18 2,800
AF 19 <02511 0745 >	Concrete pavement, construction joint, 10" thick	160.00	LF	0.06 10	2.17 347	0.00 0	1.35 216	0.00 0	3.52 563
MIL 19 <02511 1000 >	Concrete pavement, curing, w/sprayed membrane by hand	670.00	SY	0.01 7	0.28 187	0.00 0	0.32 214	0.00 0	0.60 402
USR 19 <02511 1000 >	Reinforcing - Pavement, 175 lbs/cy	26070	LB	0.00 0	0.00 0	0.00 0	0.00 0	0.80 20,856	0.80 20,856
USR 19 <02511 0100 >	Concrete Footing/Slab on Grade - Structure	270.00	CY	7.00 1,890	175.00 47,250	20.00 5,400	105.00 28,350	0.00 0	300.00 81,000
USR 19 <02511 0100 >	Concrete Walls - Structure	560.00	CY	9.00 5,040	225.00 126,000	20.00 11,200	130.00 72,800	0.00 0	375.00 210,000
USR 19 <02511 0100 >	Concrete Elevated Slabs - Structure	103.00	CY	11.00 1,133	275.00 28,325	20.00 2,060	140.00 14,420	0.00 0	435.00 44,805
USR 19 <02511 0100 >	Reinforcing Steel - Structure, 175 lbs/cy	156275	LBS	0.00 0	0.00 0	0.00 0	0.00 0	0.55 85,951	0.55 85,951
USR 19 <02511 0100 >	Concrete - Footing/Slab on Grade - Retaining Wall 750 lf	750.00	CY	7.00 5,250	175.00 131,250	20.00 15,000	105.00 78,750	0.00 0	300.00 225,000
USR 19 <02511 0100 >	Concrete Wall - Retaining Wall 750 lf 1'-0" thick 12'-0" high	340.00	CY	9.00 3,060	225.00 76,500	20.00 6,800	130.00 44,200	0.00 0	375.00 127,500
USR 19 <02511 0100 >	Reinforcing Steel - Retaining Wal, 175 lbs/cy	190750	LB	0.00 0	0.00 0	0.00 0	0.00 0	0.55 104,913	0.55 104,913
TOTAL Division 3 - Concrete				16,501	413,294	40,650	253,724	211,720	919,388



13. Stormwater Pumping Facility

13_04. Division 4 - Masonry		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
MIL 19 <04116 0020 >	Grouting bond bm & lintels, 8" T, 0.2 CF/LF, 8" D, pumped, no blk	192.00	LF	4	134	15	134	0	284
MIL 19 <04116 0250 >	Grouting conc block cores, 0.258 CF/SF, solid, 8" T, pumped	1560.00	SF	73	2,245	251	1,420	0	3,915
MIL 19 <04155 0020 >	Joint reinf, steel bars, placed horiz, #5 & #6 bars	450.00	LB	5	157	0	122	0	279
MIL 19 <04155 0060 >	Joint reinf, steel bars, placed vertical, #5 & #6 bars	600.00	LB	7	258	0	162	0	420
MIL 19 <04235 6200 >	CMU, decorative, 8" x 8" x 16", split/scored split, no scaf/reinf	1560.00	SF	212	6,756	0	6,318	0	13,074
TOTAL Division 4 - Masonry				301	9,550	266	8,156	0	17,971

13. Stormwater Pumping Facility

13_05. Division 5 - Metals		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
B MIL 19 <05511 0110 >	Stair, stl,grating trd & pipe r, 5' wide, saf nosing, stl strg	27.00	EA	1.99 54	88.81 2,398	2.50 68	200.00 5,400	0.00 0	291.31 7,865
AF 19 <05524 0050 >	Railing, coml balcony rail, 1-1/2" alum posts w/ 3 rails	515.00	LF	0.16 85	7.33 3,775	0.21 106	32.65 16,815	0.00 0	40.19 20,696
CIV 19 <05108 0310 >	Anchor bolts, L-type, incl hex nuts, 3/4" dia, 18" long	60.00	EA	0.40 24	13.89 833	0.00 0	1.31 79	0.00 0	15.20 912
RSM 19 <05130 0650 >	Lightweight framing, channel, field fab'd, less than 8"	36000	LB	0.07 2,578	3.21 115,423	0.17 6,044	0.36 12,960	0.00 0	3.73 134,428
MIL 19 <05210 0020 >	Open web joists, K series, truckload lots, span up to 30', minimum	2.50	TON	5.33 13	225.40 563	54.16 135	810.00 2,025	0.00 0	1089.56 2,724
RSM 19 <05314 3500 >	Metal decking, open, 3" deep, 16 gauge, under 50 squares	1300.00	SF	0.01 14	0.48 619	0.01 17	1.46 1,898	0.00 0	1.95 2,535
B AF 19 <15752 3204 >	Louvers, al, stormprf,48"x48", w/scr, mill fin, fxd blade,cont line	30.00	EA	4.00 120	158.14 4,744	0.00 0	440.00 13,200	0.00 0	598.14 17,944
B AF 19 <15752 3204 >	Louvers, al, stormprf,24"x48", w/scr, mill fin, fxd blade,cont line	2.00	EA	4.00 8	158.14 316	0.00 0	220.00 440	0.00 0	378.14 756
TOTAL Division 5 - Metals				2,895	128,673	6,371	52,816	0	187,861

13. Stormwater Pumping Facility

13_07. Division 7 - Thermal & Moisture		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
MIL 19 <07223 1745 >	Roof deck insul, 3" thk R21.74, 2#/CF density, polyisocyanurate	2600.00	SF	0.01 21	0.27 709	0.00 0	0.59 1,534	0.00 0	0.86 2,243
MIL 19 <07532 4800 >	Single-ply memb,60 mil,0.40 PSF, fully adhered w/adhesive, EPDM	1300.00	SF	0.02 20	0.49 636	0.03 42	0.87 1,131	0.00 0	1.39 1,809
M MIL 19 <07726 1200 >	Roof hatches, 6'-0" x 6'-0", al curb/cov, w/curb, 1" fbgl	4.00	EA	4.85 19	159.43 638	0.00 0	1500.00 6,000	0.00 0	1659.43 6,638
TOTAL Division 7 - Thermal & Moisture				60	1,983	42	8,665	0	10,690

13. Stormwater Pumping Facility

13_09. Division 9 - Finishes		QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
USR 19 <	> Miscellaneous Coatings and Specialties	2000.00	SF	0	0	0	0	20,000	20,000
TOTAL Division 9 - Finishes				0	0	0	0	20,000	20,000

13. Stormwater Pumping Facility

13_11. Division 11 - Equipment		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
USR 19 <	> Mixed Flow Pump & Motor - 45,000 GPM	4.00	EA	0	94,000	46,000	800,000	0	940,000
USR 19 <	> Mechanical Trash Rack Cleaner	4.00	EA	0	10,000	2,000	88,000	0	100,000
USR 19 <	> Stop Logs	1.00	EA	0	0	0	0	100,000	100,000
TOTAL Division 11 - Equipment				0	104,000	48,000	888,000	100,000	1,140,000

13. Stormwater Pumping Facility

13_14. Division 14 - Conveying Systems		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
MIL 19 <14660 0350 >	Overhead bridge crane, 2 girder, 3 ton, 40' span	1.00	EA	72	2,517	350	25,982	0	28,850
TOTAL Division 14 - Conveying Systems				72	2,517	350	25,982	0	28,850

13. Stormwater Pumping Facility

13_15. Division 15 - Mechanical		QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
MIL 19 <02215 1220 >	Backfill, trench, front-end loader, 40 - 60 HP, no compaction	150.00	CY	0.03 5	0.95 142	0.66 99	0.00 0	0.00 0	1.60 241
MIL 19 <02220 5900 >	Compaction of backfill, structural, SP roller, 6" lift	150.00	CY	0.01 2	0.40 60	0.35 52	0.00 0	0.00 0	0.75 113
MIL 19 <02228 0342 >	Excavate trench, mdm soil, 6'-10' D, 1.5 CY excavator	150.00	CY	0.01 2	0.39 58	0.30 46	0.00 0	0.00 0	0.69 104
B MIL 19 <02658 3050 >	Piping, water dist, 48" dia, 150 PSI, RCCP, 10' L	404.00	LF	0.82 333	0.00 0	0.00 0	0.00 0	210.00 84,840	210.00 84,840
USR 19 <02658 3050 >	48" Tideflex Check Valve	4.00	EA	0.00 0	750.00 3,000	250.00 1,000	10000.00 40,000	0.00 0	11000.00 44,000
B MIL 19 <15115 0280 >	Pipe slv, stl, 54" dia for 48" carrier, w/wtr stop, 12" L w/link seal	4.00	EA	8.75 35	313.37 1,253	0.00 0	1000.00 4,000	0.00 0	1313.37 5,253
TOTAL Division 15 - Mechanical				376	4,514	1,196	44,000	84,840	134,550

13. Stormwater Pumping Facility

13_16. Division 16 - Electrical		QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
USR 19 <	> Electrical			0.00	0.00	0.00	0.00	235000	235000.00
		1.00	LS	0	0	0	0	235,000	235,000
USR 19 <	> Lighting			0.00	0.00	0.00	0.00	10000.00	10000.00
		1.00	LS	0	0	0	0	10,000	10,000
USR 19 <	> Emergency Backup Generator			0.00	0.00	0.00	0.00	160000	160000.00
		1.00	LOT	0	0	0	0	160,000	160,000
TOTAL Division 16 - Electrical				0	0	0	0	405,000	405,000



13. Stormwater Pumping Facility

13_17. Division 17 - Instrumentation		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
USR 19 <	> Controls & Instrumentation			0.00	0.00	0.00	0.00	140000	140000.00
		1.00	LS	0	0	0	0	140,000	140,000
TOTAL Division 17 - Instrumentation				0	0	0	0	140,000	140,000
TOTAL Stormwater Pumping Facility				23,942	761,767	159,505	1,314,737	1021560	3,257,568

14. Recreation Facilities

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 14\_07. Water Feature

QUANTY UOM MANHRS LABOR EQUIPMNT MATERIAL OTHER TOTAL COST  
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14\_07. 5. Water Feature

14\_07. 5.02. Division 2 - Site Work

CIV 07 <02232 0285 >	Excavate & load, wheeled loader, 7 CY, medium matl	435000 CY	2,610	86,348	177,698	0	0	0.61	264,045
AF 07 <02234 1105 >	Hauling, hwy haulers, 16.5 CY, 4 mile round trip @ 20 MPH (1.6 cyc/hr)	435000 CY	16,574	437,697	695,435	0	0	2.60	1,133,132
MIL 07 <02215 2360 >	Backfill, spread dumped gravel/fill, dozer, 6" layers, no compaction - Retaining Wall Fill	960000 SY	3,168	101,088	118,944	0	0	0.23	220,032
L RSM 07 <02220 5000 >	Compaction, riding, vibrating roller, 6" lifts, 2 passes - Retaining Wall Fill	160000 CY	640	17,600	16,000	0	0	0.21	33,600
MIL 07 <02514 0350 >	Sidewalk, no base, 5" T, 3000 PSI, CIP w/ 6x6 mesh, broom fin, conc	77000 SF	3,388	104,327	0	107,800	0	2.75	212,127
B MIL 07 <02932 0300 >	Seeding, Bermuda grass, mechanical seeding, 450#/AC - Seeding and Mulching	1.60 AC	11	352	172	1,396	0	1200.00	1,920
RSM 07 <02240 0020 >	Fill, borrow, for embankments, load, 1 mile haul, spread w/dozer - General Grading	8700.00 CY	203	5,812	7,798	37,149	0	5.83	50,758
RSM 07 <02220 5000 >	Compaction, riding, vibrating roller, 6" lifts, 2 passes - General Grading	8700.00 CY	35	1,099	525	0	0	0.19	1,623
TOTAL Division 2 - Site Work			26,628	754,323	1,016,570	146,345	0	1,917,238	

14\_07. 5.03. Division 3 - Concrete

USR 07 <	> Concrete - Footing	6100.00 CY	42,700	1,067,500	122,000	640,500	0	300.00	1,830,000
USR 07 <	> Concrete - Wall	2660.00 CY	23,940	598,500	53,200	345,800	0	375.00	997,500
USR 07 <	> Reinforcing Steel - 175 lbs/cy	1533000 LB	0	0	0	0	843,150	0.55	843,150

14. Recreation Facilities

14_07. Water Feature		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
USR 07 <	> Recirculation Pump Housing Structures	1.00	LOT	0	0	0	0	400,000	400,000
TOTAL Division 3 - Concrete				66,640	1,666,000	175,200	986,300	1243150	4,070,650
14_07. 5.11. Division 11 - Equipment									
USR 07 <	> Recirculation Pumps - 1000 GPM	4.00	EA	0	0	0	0	300,000	300,000
TOTAL Division 11 - Equipment				0	0	0	0	300,000	300,000
14_07. 5.15. Division 15 - Mechanical									
USR 07 <	> Recirculation Piping	1.00	LOT	0	0	0	0	350,000	350,000
TOTAL Division 15 - Mechanical				0	0	0	0	350,000	350,000
14_07. 5.16. Division 16 - Electrical									
USR 07 <	> Recirculation Electrical and I&C	1.00	LOT	0	0	0	0	500,000	500,000
TOTAL Division 16 - Electrical				0	0	0	0	500,000	500,000
TOTAL Water Feature				93,268	2,420,323	1,191,770	1,132,645	2393150	7,137,888
14_07.10. Marine Creek									
14_07.10. 5.									
TOTAL				0	0	0	0	0	0
14_07.10.02. Division 2 - Site Work									
USR 07 <	> Removing Sidewalk (Concrete)	6200.00	SY	0	0	0	0	62,000	62,000
USR 07 <	> Demolish Steps	3.00	EA	0	0	0	0	15,000	15,000
USR 07 <	> Demolish Concrete Wiers	100.00	LF	0	0	0	0	10,000	10,000

14. Recreation Facilities

14_07. Water Feature		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
USR 07 <	> Demolish Concrete Wall - Short			0.00	0.00	0.00	0.00	20.00	20.00
		930.00	LF	0	0	0	0	18,600	18,600
USR 07 <	> Demolish Concrete Wall - Tall			0.00	0.00	0.00	0.00	30.00	30.00
		300.00	LF	0	0	0	0	9,000	9,000
USR 07 <	> Miscellaneous Demolition			0.00	0.00	0.00	0.00	50000.00	50000.00
		1.00	LOT	0	0	0	0	50,000	50,000
USR 07 <	> Site Work			0.00	0.00	0.00	0.00	80000.00	80000.00
		1.00	LOT	0	0	0	0	80,000	80,000
USR 07 <	> Concrete Sidewalks			0.00	0.00	0.00	0.00	35.00	35.00
		4500.00	SY	0	0	0	0	157,500	157,500
USR 07 <	> Tree and Shrub Planting			0.00	0.00	0.00	0.00	25000.00	25000.00
		1.00	LOT	0	0	0	0	25,000	25,000
USR 07 <	> Sodding			0.00	0.00	0.00	0.00	5000.00	5000.00
		1.00	LOT	0	0	0	0	5,000	5,000
TOTAL Division 2 - Site Work				0	0	0	0	432,100	432,100
14_07.10.03. Division 3 - Concrete									
USR 07 <	> Concrete - Footing, (assume 700			7.00	175.00	20.00	105.00	0.00	300.00
	lf x 1.5 lf thick and 16 lf	1665.00	CY	11,655	291,375	33,300	174,825	0	499,500
	wide and 2200 lf x 1.5 lf								
	thick and 8.5 lf wide)								
USR 07 <	> Concrete - Wall (assume 700 lf x			9.00	225.00	20.00	130.00	0.00	375.00
	1.167 lf thick and 15 lf tall	930.00	CY	8,370	209,250	18,600	120,900	0	348,750
	and 2200 lf x 1.167 lf thick								
	and 5 lf tall)								
USR 07 <	> Reinforcing Steel - 175 lbs/cy			0.00	0.00	0.00	0.00	0.55	0.55
		454125	LB	0	0	0	0	249,769	249,769
TOTAL Division 3 - Concrete				20,025	500,625	51,900	295,725	249,769	1,098,019
14_07.10.16. Division 16 - Electrical									
USR 07 <	> Electrical - Lighting			0.00	0.00	0.00	0.00	100000	100000.00
		1.00	LOT	0	0	0	0	100,000	100,000
TOTAL Division 16 - Electrical				0	0	0	0	100,000	100,000

14. Recreation Facilities

14_07. Water Feature	QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
TOTAL Marine Creek			20,025	500,625	51,900	295,725	781,869	1,630,119
TOTAL Water Feature			113,293	2,920,948	1,243,670	1,428,370	3175019	8,768,006
TOTAL Recreation Facilities			113,293	2,920,948	1,243,670	1,428,370	3175019	8,768,006

15. Flood Control & Diversion Struc.

15_ 5. Clear Fork		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
15_ 5.02. Division 2 - Site Work									
USR 03 <	> Access Roads			0.00	15.00	10.00	15.00	0.00	40.00
		1500.00	LF	0	22,500	15,000	22,500	0	60,000
USR 03 <	> Cofferdam - 1 EA - Sheet pile wall 300 lf long 30 lf tall, backed up with local spoils and removed.	9000.00	SF	630	16,830	17,820	145,350	0	180,000
USR 03 <	> Care of Water - Pumps	2.00	EA	160	4,800	4,000	40,000	0	48,800
USR 03 <	> Care of Water - Settling Basin	1.00	EA	160	4,000	5,000	2,000	0	11,000
USR 03 <	> Care of Water - Discharge Piping	1.00	LOT	320	9,600	2,000	10,000	0	21,600
USR 03 <	> Care of Water - Outfall	1.00	LOT	80	2,400	2,000	3,000	0	7,400
USR 03 <	> Concrete Parking Lot - 648 sf @ 10" thick (three 12' x 18' parking spaces)	20.00	CY	140	3,500	300	2,200	0	6,000
USR 03 <	> Seeding and Landscaping	6.00	AC	0	1,321	643	5,235	0	7,200
AF 03 <02109 0365 >	Clear & grub, grub & stack, 200 HP dozer	4840.00	CY	90	2,822	3,321	0	0	6,143
L AF 03 <02109 0365 >	Screening & Stockpiling	4840.00	CY	332	10,444	12,294	0	0	22,738
AF 03 <02234 4000 >	Hauling, w/loading, 12 CY truck, 5 mile haul, soil	2420.00	CY	83	2,422	3,580	0	0	6,002
M RSM 03 <02240 0020 >	Fill, borrow, for embankments, load, 1 mile haul, spread w/dozer	264550	CY	6,164	176,719	237,116	0	0	413,836
L RSM 03 <02220 5000 >	Compaction, riding, vibrating roller, 6" lifts, 2 passes - Valley Fill	264550	CY	1,058	29,101	26,455	0	0	55,556
MIL 03 <02224 7020 >	Excavating, bulk, dozer, 300 HP, large area, open site, rough grade	8278.00	CY	41	1,307	2,294	0	0	3,601

15. Flood Control & Diversion Struc.

15_ 5. Clear Fork		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
MIL 03	<02140 1700 > Dewatering, sump hole, 16 ga, 12" gravel collar, 12" corr pipe - 16 ea @ 10 lf deep	240.00	LF	0.34 82	9.72 2,333	1.48 355	12.16 2,918	0.00 0	23.36 5,607
USR 03	< > Embankment Roads	1500.00	LF	0.00 0	16.67 25,005	16.67 25,005	16.66 24,990	0.00 0	50.00 75,000
USR 03	< > Sub-Drain System	1.00	LOT	0.00 0	15000.00 15,000	0.00 0	10000.00 10,000	0.00 0	25000.00 25,000
MIL 03	<02366 1300 > Pile, steel, "H" sections, 50' long, HP14 x 102	2600.00	VLF	0.13 326	4.53 11,769	2.86 7,442	25.99 67,574	0.00 0	33.38 86,784
B RSM 03	< > Sheet Pile Cutoff Wall, stl, 40' exc, 38 PSF, left in place, no	5602.00	SF	0.07 392	1.87 10,476	1.98 11,092	16.15 90,472	0.00 0	20.00 112,040
TOTAL Division 2 - Site Work				10,059	352,349	375,717	426,240	0	1,154,306
15_ 5.03. Division 3 - Concrete									
USR 03	< > Concrete Footing/Slab on Grade	2526.00	CY	7.00 17,682	175.00 442,050	20.00 50,520	105.00 265,230	0.00 0	300.00 757,800
USR 03	< > Concrete Walls	1425.00	CY	9.00 12,825	225.00 320,625	20.00 28,500	130.00 185,250	0.00 0	375.00 534,375
USR 03	< > Concrete Elevated Slabs	292.00	CY	11.00 3,212	275.00 80,300	20.00 5,840	140.00 40,880	0.00 0	435.00 127,020
USR 03	< > Reinforcing Bar - 175 lbs/cy	352625	LB	0.00 0	0.00 0	0.00 0	0.00 0	0.55 193,944	0.55 193,944
USR 03	< > Levee Tie-in Retaining Walls - Concrete 3' thick	10000	SF	1.20 12,000	30.00 300,000	0.00 0	15.00 150,000	0.00 0	45.00 450,000
TOTAL Division 3 - Concrete				45,719	1,142,975	84,860	641,360	193,944	2,063,139
15_ 5.05. Division 5 - Metals									
MIL 03	<05534 0136 > Floor grating, aluminum, up to 300 SF, 1.75" x 3/16" bar	125.00	SF	0.06 8	2.86 357	0.08 10	16.12 2,015	0.00 0	19.06 2,382
USR 03	<05534 0136 > Aluminum Grating Frame	100.00	LF	0.00 0	0.14 14	0.00 0	7.18 718	0.00 0	7.32 732
RSM 03	<05523 0010 > Railing, pipe, aluminum, 2 rail, satin finish, 1.25" dia	28.00	LF	0.20 6	8.93 250	0.25 7	13.00 364	0.00 0	22.19 621

15. Flood Control & Diversion Struc.

15_ 5. Clear Fork		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	
MIL 03	<05518 0100 >	Ladder, steel, 20" wide, bolted to conc, w/o cage	80.00	VLF	30	1,345	38	1,962	0	3,346
USR 03	<05534 0136 >	Aluminum Floor Access Hatches - 4' x 4'	1.00	EA	3	144	0	1,200	0	1,344
USR 03	<05534 0136 >	Aluminum Floor Access Hatches - 3' x 3'	4.00	EA	12	523	0	3,040	0	3,563
TOTAL Division 5 - Metals					59	2,634	55	9,299	0	11,988
15_ 5.09. Division 9 - Finishes										
USR 03	<	> Painting and Coatings	1.00	LS	0	0	0	0	110,000	110,000
USR 03	<	> Architectural Enhancement	1.00	LOT	0	0	0	0	1,000,000	1,000,000
TOTAL Division 9 - Finishes					0	0	0	0	1,110,000	1,110,000
15_ 5.11. Division 11 - Equipment										
USR 03	<	> Gates - 24' x 17' w/ motor and drum hoist	1.00	EA	0	0	0	0	1,700,000	1,700,000
USR 03	<	> Gates - 12' x 10' w/ motor and drum hoist	1.00	EA	0	0	0	0	750,000	750,000
USR 03	<	> Stop Logs - 24' x 17'	1.00	EA	0	0	0	0	273,000	273,000
USR 03	<	> Stop Logs - 12' x 10'	1.00	EA	0	0	0	0	85,000	85,000
TOTAL Division 11 - Equipment					0	0	0	0	2,808,000	2,808,000
15_ 5.13. Division 13 - Special Const.										
USR 03	<	> Motor Housing	160.00	SF	0	0	0	0	10,400	10,400
TOTAL Division 13 - Special Const.					0	0	0	0	10,400	10,400



15. Flood Control & Diversion Struc.

15_ 5. Clear Fork		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
15_ 5.16. Division 16 - Electrical									
USR 03 <	> Barrier Warning System			0.00	0.00	0.00	0.00	25000.00	25000.00
		1.00	LOT	0	0	0	0	25,000	25,000
USR 03 <	> Electric Site Lights			0.00	0.00	0.00	0.00	20000.00	20000.00
		1.00	LOT	0	0	0	0	20,000	20,000
USR 03 <	> Transformer			0.00	0.00	0.00	0.00	10000.00	10000.00
		1.00	LOT	0	0	0	0	10,000	10,000
USR 03 <	> Underground Primary Service			0.00	0.00	0.00	0.00	8.00	8.00
		2500.00	LF	0	0	0	0	20,000	20,000
USR 03 <	> Control Building			0.00	0.00	0.00	0.00	75000.00	75000.00
		1.00	LS	0	0	0	0	75,000	75,000
USR 03 <	> Security			0.00	0.00	0.00	0.00	25000.00	25000.00
		1.00	LOT	0	0	0	0	25,000	25,000
USR 03 <	> Emergency Backup Generator			0.00	0.00	0.00	0.00	160000	160000.00
		1.00	LOT	0	0	0	0	160,000	160,000
TOTAL Division 16 - Electrical				0	0	0	0	335,000	335,000
15_ 5.17. Division 17 - Instrumentation									
USR 03 <	> Instrumentation			0.00	0.00	0.00	0.00	20000.00	20000.00
		1.00	LOT	0	0	0	0	20,000	20,000
TOTAL Division 17 - Instrumentation				0	0	0	0	20,000	20,000
TOTAL Clear Fork				55,836	1,497,957	460,632	1,076,899	4477344	7,512,833

15. Flood Control & Diversion Struc.

15_10. Trinity Point		QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
-----									
15_10.02. Division 2 - Site Work									
USR 03 <	> Access Roads			0.00	15.00	10.00	15.00	0.00	40.00
		1500.00	LF	0	22,500	15,000	22,500	0	60,000
USR 03 <	> Cofferdam - 2 EA -Sheet Pile			0.07	1.87	1.98	16.15	0.00	20.00
	500 lf long by 30 lf tall,	30000	SF	2,100	56,100	59,400	484,500	0	600,000
USR 03 <	> Care of Water - Pumps			80.00	2400.00	2000.00	20000.00	0.00	24400.00
		2.00	EA	160	4,800	4,000	40,000	0	48,800
USR 03 <	> Care of Water - Settling Basin			160.00	4000.00	5000.00	2000.00	0.00	11000.00
		1.00	EA	160	4,000	5,000	2,000	0	11,000
USR 03 <	> Care of Water - Discharge Piping			320.00	9600.00	2000.00	10000.00	0.00	21600.00
		1.00	LOT	320	9,600	2,000	10,000	0	21,600
USR 03 <	> Care of Water - Outfall			80.00	2400.00	2000.00	3000.00	0.00	7400.00
		1.00	LOT	80	2,400	2,000	3,000	0	7,400
USR 03 <	> Concrete Parking Lot - 648 sf @			7.00	175.00	15.00	110.00	0.00	300.00
	10" thick (three 12' x 18'	20.00	CY	140	3,500	300	2,200	0	6,000
	parking								
USR 03 <	> Seeding and Landscaping			0.00	220.20	107.24	872.56	0.00	1200.00
		6.00	AC	0	1,321	643	5,235	0	7,200
AF 03 <02109 0365	> Clear & grub, grub & stack, 200			0.02	0.58	0.69	0.00	0.00	1.27
	HP dozer - Top 6" of 6 acres	4840.00	CY	90	2,822	3,321	0	0	6,143
	of land w/ 50% screened waste								
	factor								
L AF 03 <02109 0365	> Screening & Stockpiling - Top			0.07	2.16	2.54	0.00	0.00	4.70
	6" of 6 acres of land w/ 50%	4840.00	CY	332	10,444	12,294	0	0	22,738
	screened waste factor								
AF 03 <02234 4000	> Hauling, w/loading, 12 CY truck,			0.03	1.00	1.48	0.00	0.00	2.48
	5 mile haul, soil	2420.00	CY	83	2,422	3,580	0	0	6,002
M RSM 03 <02240 0020	> Fill, borrow, for embankments,			0.02	0.67	0.90	0.00	0.00	1.56
	load, 1 mile haul, spread	52100	CY	1,214	34,803	46,697	0	0	81,500
	w/dozer								
L RSM 03 <02220 5000	> Compaction, riding, vibrating			0.00	0.11	0.10	0.00	0.00	0.21
	roller, 6" lifts, 2 passes -	52100	CY	208	5,731	5,210	0	0	10,941
	Valley Fill								
MIL 03 <02224 7020	> Excavating, bulk, dozer, 300 HP,			0.01	0.16	0.28	0.00	0.00	0.44
	large area, open site, rough	17941	CY	90	2,833	4,971	0	0	7,804
	grade								

15. Flood Control & Diversion Struc.

15_10. Trinity Point		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
MIL 03	<02140 1700 > Dewatering, sump hole, 16 ga, 12" gravel collar, 12" corr - 16 ea @ 10 lf deep	240.00	LF	0.34 82	9.72 2,333	1.48 355	12.16 2,918	0.00 0	23.36 5,607
USR 03	< > Embankment Roads	1500.00	LF	0.00 0	16.67 25,005	16.67 25,005	16.66 24,990	0.00 0	50.00 75,000
USR 03	< > Sub-Drain System	1.00	LOT	0.00 0	15000.00 15,000	0.00 0	10000.00 10,000	0.00 0	25000.00 25,000
MIL 03	<02366 1300 > Pile, steel, "H" sections, 50' long, HP14 x 102	3622.00	VLF	0.13 455	4.53 16,395	2.86 10,367	25.99 94,136	0.00 0	33.38 120,897
TOTAL Division 2 - Site Work				5,513	222,009	200,144	701,480	0	1,123,632
15_10.03. Division 3 - Concrete									
USR 03	< > Concrete Footing/Slab on Grade	1479.00	CY	7.00 10,353	175.00 258,825	20.00 29,580	105.00 155,295	0.00 0	300.00 443,700
USR 03	< > Concrete Walls	1385.00	CY	9.00 12,465	225.00 311,625	20.00 27,700	130.00 180,050	0.00 0	375.00 519,375
USR 03	< > Concrete Elevated Slabs	257.00	CY	11.00 2,827	275.00 70,675	20.00 5,140	140.00 35,980	0.00 0	435.00 111,795
USR 03	< > Reinforcing Bar - 175 lbs/cy	382200	LB	0.00 0	0.00 0	0.00 0	0.00 0	0.55 210,210	0.55 210,210
TOTAL Division 3 - Concrete				25,645	641,125	62,420	371,325	210,210	1,285,080
15_10.05. Division 5 - Metals									
MIL 03	<05534 0136 > Floor grating, aluminum, up to 300 SF, 1.75" x 3/16" bar	170.00	SF	0.06 11	2.86 486	0.08 14	16.12 2,740	0.00 0	19.06 3,240
USR 03	<05534 0136 > Aluminum Grating Frame	130.00	LF	0.00 0	0.14 18	0.00 0	7.18 933	0.00 0	7.32 952
MIL 03	<05518 0100 > Ladder, steel, 20" wide, bolted to conc, w/o cage	84.00	VLF	0.38 32	16.82 1,413	0.47 40	24.53 2,061	0.00 0	41.82 3,513
USR 03	<05534 0136 > Aluminum Floor Access Hatches - 4' x 4'	1.00	EA	3.20 3	143.82 144	0.00 0	1200.00 1,200	0.00 0	1343.82 1,344
USR 03	<05534 0136 > Aluminum Floor Access Hatches - 3' x 3'	4.00	EA	2.91 12	130.79 523	0.00 0	760.00 3,040	0.00 0	890.79 3,563

15. Flood Control & Diversion Struc.

15_10. Trinity Point		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
TOTAL Division 5 - Metals				57	2,584	53	9,974	0	12,612
15_10.09. Division 9 - Finishes									
USR 03 <	> Painting and Coatings			0.00	0.00	0.00	0.00	110000	110000.00
		1.00	LS	0	0	0	0	110,000	110,000
USR 03 <	> Architectural Enhancement			0.00	0.00	0.00	0.00	1000000	1000000.00
		1.00	LOT	0	0	0	0	1000000	1,000,000
TOTAL Division 9 - Finishes				0	0	0	0	1110000	1,110,000
15_10.11. Division 11 - Equipment									
USR 03 <	> Gates - 24' x 17' w/ motor and drum hoist			0.00	0.00	0.00	0.00	1700000	1700000.00
		1.00	EA	0	0	0	0	1700000	1,700,000
USR 03 <	> Gates - 12' x 10' w/ motor and drum hoist			0.00	0.00	0.00	0.00	750000	750000.00
		2.00	EA	0	0	0	0	1500000	1,500,000
USR 03 <	> Stop Logs - 24' x 17'			0.00	0.00	0.00	0.00	273000	273000.00
		1.00	EA	0	0	0	0	273,000	273,000
USR 03 <	> Stop Logs - 12' x 10'			0.00	0.00	0.00	0.00	85000.00	85000.00
		2.00	EA	0	0	0	0	170,000	170,000
TOTAL Division 11 - Equipment				0	0	0	0	3643000	3,643,000
15_10.13. Division 13 - Special Const.									
USR 03 <	> Motor Housing			0.00	0.00	0.00	0.00	65.00	65.00
		220.00	SF	0	0	0	0	14,300	14,300
TOTAL Division 13 - Special Const.				0	0	0	0	14,300	14,300
15_10.16. Division 16 - Electrical									
USR 03 <	> Barrier Warning System			0.00	0.00	0.00	0.00	25000.00	25000.00
		1.00	LOT	0	0	0	0	25,000	25,000
USR 03 <	> Electric Site Lights			0.00	0.00	0.00	0.00	20000.00	20000.00
		1.00	LOT	0	0	0	0	20,000	20,000
USR 03 <	> Transformer			0.00	0.00	0.00	0.00	10000.00	10000.00
		1.00	LOT	0	0	0	0	10,000	10,000

15. Flood Control & Diversion Struc.

15_10. Trinity Point		QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
USR 03 <	> Underground Primary Service			0.00	0.00	0.00	0.00	8.00	8.00
		2500.00	LF	0	0	0	0	20,000	20,000
USR 03 <	> Control Building			0.00	0.00	0.00	0.00	75000.00	75000.00
		1.00	LS	0	0	0	0	75,000	75,000
USR 03 <	> Security			0.00	0.00	0.00	0.00	25000.00	25000.00
		1.00	LOT	0	0	0	0	25,000	25,000
USR 03 <	> Emergency Backup Generator			0.00	0.00	0.00	0.00	160000	160000.00
		1.00	LOT	0	0	0	0	160,000	160,000
TOTAL Division 16 - Electrical				0	0	0	0	335,000	335,000
15_10.17. Division 17 - Instrumentation									
USR 03 <	> Instrumentation			0.00	0.00	0.00	0.00	20000.00	20000.00
		1.00	LOT	0	0	0	0	20,000	20,000
TOTAL Division 17 - Instrumentation				0	0	0	0	20,000	20,000
15_10.22.									
TOTAL				0	0	0	0	0	0
15_10.27.									
TOTAL				0	0	0	0	0	0
TOTAL Trinity Point				31,216	865,717	262,618	1,082,779	5332510	7,543,624

15. Flood Control & Diversion Struc.

15_15. TRWD		QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
15_15.02. Division 2 - Site Work									
USR 03 <	> Access Roads			0.00	15.00	10.00	15.00	0.00	40.00
		1500.00	LF	0	22,500	15,000	22,500	0	60,000
USR 03 <	> Cofferdam - 2 EA - Sheet Pile			0.07	1.87	1.98	16.15	0.00	20.00
	520 lf long by 35 lf tall,	36400	SF	2,548	68,068	72,072	587,860	0	728,000
USR 03 <	> Demolish Concrete Drop Structure			0.00	20000.00	15000.00	5000.00	0.00	40000.00
		1.00	LOT	0	20,000	15,000	5,000	0	40,000
USR 03 <	> Care of Water - Pumps			80.00	2400.00	2000.00	20000.00	0.00	24400.00
		2.00	EA	160	4,800	4,000	40,000	0	48,800
USR 03 <	> Care of Water - Settling Basin			160.00	4000.00	5000.00	2000.00	0.00	11000.00
		1.00	EA	160	4,000	5,000	2,000	0	11,000
USR 03 <	> Care of Water - Discharge Piping			320.00	9600.00	2000.00	10000.00	0.00	21600.00
		1.00	LOT	320	9,600	2,000	10,000	0	21,600
USR 03 <	> Care of Water - Outfall			80.00	2400.00	2000.00	3000.00	0.00	7400.00
		1.00	LOT	80	2,400	2,000	3,000	0	7,400
USR 03 <	> Concrete Parking Lot - 648 sf @			7.00	175.00	15.00	110.00	0.00	300.00
	10" thick (three 12' x 18'	20.00	CY	140	3,500	300	2,200	0	6,000
	parking spaces)								
USR 03 <	> Seeding and Landscaping			0.00	220.20	107.24	872.56	0.00	1200.00
		6.00	AC	0	1,321	643	5,235	0	7,200
AF 03 <02109 0365 >	Clear & grub, grub & stack, 200			0.02	0.58	0.69	0.00	0.00	1.27
	HP dozer	4840.00	CY	90	2,822	3,321	0	0	6,143
L AF 03 <02109 0365 >	Screening & Stockpiling			0.07	2.16	2.54	0.00	0.00	4.70
		4840.00	CY	332	10,444	12,294	0	0	22,738
AF 03 <02234 4000 >	Hauling, w/loading, 12 CY truck,			0.03	1.00	1.48	0.00	0.00	2.48
	5 mile haul, soil	2420.00	CY	83	2,422	3,580	0	0	6,002
M RSM 03 <02240 0020 >	Fill, borrow, for embankments,			0.02	0.67	0.90	0.00	0.00	1.56
	load, 1 mile haul, spread	183350	CY	4,272	122,478	164,337	0	0	286,814
	w/dozer								
L RSM 03 <02220 5000 >	Compaction, riding, vibrating			0.00	0.11	0.10	0.00	0.00	0.21
	roller, 6" lifts, 2 passes -	183350	CY	733	20,169	18,335	0	0	38,504
	Valley Fill								
MIL 03 <02224 7020 >	Excavating, bulk, dozer, 300 HP,			0.01	0.16	0.28	0.00	0.00	0.44
	large area, open site, rough	14261	CY	71	2,252	3,952	0	0	6,204
	grade								

15. Flood Control & Diversion Struc.

15_15. TRWD	QUANTY UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
MIL 03 <02140 1700 > Dewatering, sump hole, 16 ga, 12" gravel collar, 12" corr pipe - 16 ea @ 10 lf deep	240.00 LF	0.34 82	9.72 2,333	1.48 355	12.16 2,918	0.00 0	23.36 5,607
USR 03 < > Embankment Roads	1500.00 LF	0.00 0	16.67 25,005	16.67 25,005	16.66 24,990	0.00 0	50.00 75,000
USR 03 < > Sub-Drain System	1.00 LOT	0.00 0	15000.00 15,000	0.00 0	10000.00 10,000	0.00 0	25000.00 25,000
MIL 03 <02366 1300 > Pile, steel, "H" sections, 50' long, HP14 x 102	2676.00 VLF	0.13 336	4.53 12,113	2.86 7,659	25.99 69,549	0.00 0	33.38 89,321
TOTAL Division 2 - Site Work		9,407	351,226	354,853	785,253	0	1,491,332
15_15.03. Division 3 - Concrete							
USR 03 < > Concrete Footing/Slab on Grade	2312.00 CY	7.00 16,184	175.00 404,600	20.00 46,240	105.00 242,760	0.00 0	300.00 693,600
USR 03 < > Concrete Walls	1039.00 CY	9.00 9,351	225.00 233,775	20.00 20,780	130.00 135,070	0.00 0	375.00 389,625
USR 03 < > Concrete Elevated Slabs	171.00 CY	11.00 1,881	275.00 47,025	20.00 3,420	140.00 23,940	0.00 0	435.00 74,385
USR 03 < > Reinforcing Bar - 175 lbs/cy	299950 LB	0.00 0	0.00 0	0.00 0	0.00 0	0.55 164,973	0.55 164,973
USR 03 < > Levee Tie-in Retaining Walls - Concrete 3' thick	32000 SF	1.20 38,400	30.00 960,000	0.00 0	15.00 480,000	0.00 0	45.00 1,440,000
TOTAL Division 3 - Concrete		65,816	1,645,400	70,440	881,770	164,973	2,762,583
15_15.05. Division 5 - Metals							
MIL 03 <05534 0136 > Floor grating, aluminum, up to 300 SF, 1.75" x 3/16" bar	120.00 SF	0.06 8	2.86 343	0.08 10	16.12 1,934	0.00 0	19.06 2,287
USR 03 <05534 0136 > Aluminum Grating Frame	100.00 LF	0.00 0	0.14 14	0.00 0	7.18 718	0.00 0	7.32 732
RSM 03 <05523 0010 > Railing, pipe, aluminum, 2 rail, satin finish, 1.25" dia	15.00 LF	0.20 3	8.93 134	0.25 4	13.00 195	0.00 0	22.19 333
MIL 03 <05518 0100 > Ladder, steel, 20" wide, bolted to conc, w/o cage	99.00 VLF	0.38 37	16.82 1,665	0.47 47	24.53 2,428	0.00 0	41.82 4,140

15. Flood Control & Diversion Struc.

15_15. TRWD	QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
USR 03 <05534 0136 > Aluminum Floor Access Hatches - 4' x 4'	1.00	EA	3	144	0	1,200	0	1,344
USR 03 <05534 0136 > Aluminum Floor Access Hatches - 3' x 3'	4.00	EA	12	523	0	3,040	0	3,563
TOTAL Division 5 - Metals			63	2,823	60	9,516	0	12,399
15_15.08. Division 8 - Doors & Windows								
MIL 03 <08109 0900 > Coml stl dr, fl, 3'-4" x 7'-0", full pnl hol core, 18 ga, 2" thk	1.00	EA	1	37	0	359	0	396
TOTAL Division 8 - Doors & Windows			1	37	0	359	0	396
15_15.09. Division 9 - Finishes								
USR 03 < > Painting and Coatings	1.00	LS	0	0	0	0	110,000	110,000
USR 03 < > Architectural Enhancement	1.00	LOT	0	0	0	0	1,000,000	1,000,000
TOTAL Division 9 - Finishes			0	0	0	0	1,110,000	1,110,000
15_15.11. Division 11 - Equipment								
USR 03 < > Gates - 24' x 17' w/ motor and drum hoist	1.00	EA	0	0	0	0	1,700,000	1,700,000
USR 03 < > Gates - 12' x 10' w/ motor and drum hoist	1.00	EA	0	0	0	0	750,000	750,000
USR 03 < > Stop Logs - 24' x 17'	1.00	EA	0	0	0	0	273,000	273,000
USR 03 < > Stop Logs - 12' x 10'	1.00	EA	0	0	0	0	85,000	85,000
TOTAL Division 11 - Equipment			0	0	0	0	2,808,000	2,808,000



15. Flood Control & Diversion Struc.

15_15. TRWD	QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
15_15.13. Division 13 - Special Const.								
USR 03 <	>	Motor Housing	0.00	0.00	0.00	0.00	65.00	65.00
		160.00 SF	0	0	0	0	10,400	10,400
TOTAL Division 13 - Special Const.			0	0	0	0	10,400	10,400
15_15.16. Division 16 - Electrical								
USR 03 <	>	Barrier Warning System	0.00	0.00	0.00	0.00	25000.00	25000.00
		1.00 LOT	0	0	0	0	25,000	25,000
USR 03 <	>	Electric Site Lights	0.00	0.00	0.00	0.00	20000.00	20000.00
		1.00 LOT	0	0	0	0	20,000	20,000
USR 03 <	>	Transformer	0.00	0.00	0.00	0.00	10000.00	10000.00
		1.00 LOT	0	0	0	0	10,000	10,000
USR 03 <	>	Underground Primary Service	0.00	0.00	0.00	0.00	8.00	8.00
		2500.00 LF	0	0	0	0	20,000	20,000
USR 03 <	>	Control Building	0.00	0.00	0.00	0.00	75000.00	75000.00
		1.00 LS	0	0	0	0	75,000	75,000
USR 03 <	>	Security	0.00	0.00	0.00	0.00	25000.00	25000.00
		1.00 LOT	0	0	0	0	25,000	25,000
TOTAL Division 16 - Electrical			0	0	0	0	175,000	175,000
15_15.17. Division 17 - Instrumentation								
USR 03 <	>	Instrumentation	0.00	0.00	0.00	0.00	20000.00	20000.00
		1.00 LOT	0	0	0	0	20,000	20,000
TOTAL Division 17 - Instrumentation			0	0	0	0	20,000	20,000
15_15.22.								
TOTAL			0	0	0	0	0	0
TOTAL TRWD			75,287	1,999,486	425,353	1,676,897	4288373	8,390,109
TOTAL Flood Control & Diversion Struc.			162,340	4,363,161	1,148,603	3,836,576	14098226	23,446,566

19. Building Demolition & Utilities

19_02. Demolition		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST	
19_02.02. Division 2 - Site Work										
19_02.02. 5. Paving - Asphalt										
L AF	02 <02046 1780 >	Site dml, bituminous, pavement removal, pulverize - 6" thick	127800	SY	11,502	311,832	217,260	0	0	529,092
					0.09	2.44	1.70	0.00	0.00	4.14
AF	02 <02234 4000 >	Hauling, w/loading, 12 CY truck, 5 mile haul, soil - 6" thick	21300	CY	735	21,319	31,509	0	0	52,828
					0.03	1.00	1.48	0.00	0.00	2.48
TOTAL Paving - Asphalt					12,237	333,151	248,769	0	0	581,920
19_02.02.10. Paving - Concrete										
MIL	02 <02046 2115 >	Site dml, conc, 7" to 24" thick, reinf, w/backhoe - 48,780 sy @ 8" thick	10850	CY	31,000	878,908	133,885	0	0	1,012,792
					2.86	81.01	12.34	0.00	0.00	93.34
AF	02 <02234 4200 >	Hauling, w/loading, 12 CY truck, 5 mile haul, rock - 48,780 sy @ 8" thick	10850	CY	543	15,747	23,273	0	0	39,020
					0.05	1.45	2.15	0.00	0.00	3.60
TOTAL Paving - Concrete					31,542	894,654	157,158	0	0	1,051,812
19_02.02.15. Building Demolition										
AF	02 <02049 8010 >	Building dml, single level bldg, conc - 20' High, 1,583,575 SF	31671500	CF	88,680	2,555,890	2,413,368	0	0	4,969,258
					0.00	0.08	0.08	0.00	0.00	0.16
MIL	02 <02053 3080 >	Rubbish handling, 2 mile haul, loading & trucking, machine loading truck - Assume 7.5% of building area is material disposal.	88000	CY	23,470	653,954	303,917	0	0	957,871
					0.27	7.43	3.45	0.00	0.00	10.88
TOTAL Building Demolition					112,150	3,209,844	2,717,285	0	0	5,927,130
19_02.02.20. Miscellaneous										
USR	02 <	Miscellaneous Demolition - for miscellaneous site piping and unforeseen conditions	1.00	LOT	0	200,000	150,000	50,000	0	400,000
					0.00	200000.00	150000.00	50000.00	0.00	400000.00
TOTAL Miscellaneous					0	200,000	150,000	50,000	0	400,000

19. Building Demolition & Utilities

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19_02. Demolition	QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
TOTAL Division 2 - Site Work			155,929	4,637,650	3,273,212	50,000	0	7,960,862
TOTAL Demolition			155,929	4,637,650	3,273,212	50,000	0	7,960,862

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19. Building Demolition & Utilities

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 19\_13. Utility Relocation - SS, W, SW

QUANTITY UOM MANHRS LABOR EQUIPMNT MATERIAL OTHER TOTAL COST

19\_13.02. Division 2 - Site Work

19\_13.02. 5. Sanitary Sewer

USR 13 <02046 3000 > Cut and Plug		0.00	5000.00	2500.00	5000.00	0.00	12500.00
	10.00 EA	0	50,000	25,000	50,000	0	125,000
L CIV 13 <02046 2900 > Site dml, pipe removal, 12" dia, conc, water/sewer, no excavation	710.00 LF	0.14 97	0.00 0	0.00 0	0.00 0	18.00 12,780	18.00 12,780
L CIV 13 <02046 2960 > Site dml, pipe removal, 24" dia, conc, water/sewer, no excavation	2080.00 LF	0.20 416	0.00 0	0.00 0	0.00 0	36.00 74,880	36.00 74,880
L CIV 13 <02046 2900 > Site dml, pipe removal, 6" dia,conc, water/sewer, no	410.00 LF	0.14 56	0.00 0	0.00 0	0.00 0	9.00 3,690	9.00 3,690
L CIV 13 <02046 2960 > Site dml, pipe removal, 8" dia,conc, water/sewer, no	4020.00 LF	0.20 804	0.00 0	0.00 0	0.00 0	12.00 48,240	12.00 48,240
L CIV 13 <02046 2960 > Site dml, pipe removal, 15" dia,conc, water/sewer, no	480.00 LF	0.16 77	0.00 0	0.00 0	0.00 0	22.50 10,800	22.50 10,800
L CIV 13 <02046 2960 > Site dml, pipe removal, 10" dia,conc, water/sewer, no	960.00 LF	0.20 192	0.00 0	0.00 0	0.00 0	15.00 14,400	15.00 14,400
L CIV 13 <02046 2960 > Site dml, pipe removal, 54" dia,conc, water/sewer, no	2350.00 LF	0.20 470	0.00 0	0.00 0	0.00 0	81.00 190,350	81.00 190,350
L CIV 13 <02046 2960 > Site dml, pipe removal, 66" dia,conc, water/sewer, no	640.00 LF	0.20 128	0.00 0	0.00 0	0.00 0	99.00 63,360	99.00 63,360
TOTAL Sanitary Sewer		2,240	50,000	25,000	50,000	418,500	543,500

19\_13.02.10. Water Mains

USR 13 <02046 3000 > Cut and Plug		0.00	5000.00	2500.00	5000.00	0.00	12500.00
	7.00 EA	0	35,000	17,500	35,000	0	87,500
L CIV 13 <02046 3310 > Site dml, pipe removal, 30" dia, steel, welded connections	1050.00 LF	0.00 0	0.00 0	0.00 0	0.00 0	45.00 47,250	45.00 47,250
L CIV 13 <02046 3310 > Site dml, pipe removal, 20" dia, steel, welded connections	800.00 LF	0.00 0	0.00 0	0.00 0	0.00 0	30.00 24,000	30.00 24,000
L CIV 13 <02046 3310 > Site dml, pipe removal, 16" dia, steel, welded connections	700.00 LF	0.00 0	0.00 0	0.00 0	0.00 0	24.00 16,800	24.00 16,800
L CIV 13 <02046 3310 > Site dml, pipe removal, 12" dia, steel, welded connections	900.00 LF	0.00 0	0.00 0	0.00 0	0.00 0	18.00 16,200	18.00 16,200

19. Building Demolition & Utilities

19_13. Utility Relocation - SS, W, SW	QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
L CIV 13 <02046 3310 > Site dml, pipe removal, 8" dia, steel, welded connections	900.00	LF	0.00 0	0.00 0	0.00 0	0.00 0	12.00 10,800	12.00 10,800
L CIV 13 <02046 3310 > Site dml, pipe removal, 6" dia, steel, welded connections	2600.00	LF	0.00 0	0.00 0	0.00 0	0.00 0	9.00 23,400	9.00 23,400
L CIV 13 <02046 3310 > Site dml, pipe removal, 2" dia, steel, welded connections	300.00	LF	0.00 0	0.00 0	0.00 0	0.00 0	3.00 900	3.00 900
TOTAL Water Mains			0	35,000	17,500	35,000	139,350	226,850

19\_13.02.15. Storm Sewer

USR 13 <02046 3000 > Cut and Plug	6.00	EA	0.00 0	5000.00 30,000	2500.00 15,000	5000.00 30,000	0.00 0	12500.00 75,000
L CIV 13 <02046 3000 > Site dml, pipe removal, 72" dia,conc, water/sewer, no excava	700.00	LF	0.00 0	0.00 0	0.00 0	0.00 0	108.00 75,600	108.00 75,600
L CIV 13 <02046 3000 > Site dml, pipe removal, 48" dia,conc, water/sewer, no excava	500.00	LF	0.00 0	0.00 0	0.00 0	0.00 0	72.00 36,000	72.00 36,000
L CIV 13 <02046 3000 > Site dml, pipe removal, 42" dia,conc, water/sewer, no excava	900.00	LF	0.00 0	0.00 0	0.00 0	0.00 0	63.00 56,700	63.00 56,700
L CIV 13 <02046 3000 > Site dml, pipe removal, 30" dia,conc, water/sewer, no excava	1500.00	LF	0.00 0	0.00 0	0.00 0	0.00 0	54.00 81,000	54.00 81,000
L CIV 13 <02046 3000 > Site dml, pipe removal, 24" dia,conc, water/sewer, no excava	1100.00	LF	0.00 0	0.00 0	0.00 0	0.00 0	36.00 39,600	36.00 39,600
TOTAL Storm Sewer			0	30,000	15,000	30,000	288,900	363,900

19\_13.02.20. Gas Distribution & Transmission

USR 13 <02046 3000 > Cut and Plug	5.00	EA	0.00 0	5000.00 25,000	2500.00 12,500	5000.00 25,000	0.00 0	12500.00 62,500
L CIV 13 <02046 3310 > Site dml, pipe removal, 24" dia, steel, welded connections	1000.00	LF	0.00 0	0.00 0	0.00 0	0.00 0	36.00 36,000	36.00 36,000
L CIV 13 <02046 3310 > Site dml, pipe removal, 6" dia, steel, welded connections	3400.00	LF	0.00 0	0.00 0	0.00 0	0.00 0	9.00 30,600	9.00 30,600
L CIV 13 <02046 3310 > Site dml, pipe removal, 4" dia, steel, welded connections	1600.00	LF	0.00 0	0.00 0	0.00 0	0.00 0	6.00 9,600	6.00 9,600

19. Building Demolition & Utilities

19_13. Utility Relocation - SS, W, SW	QUANTY UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
L CIV 13 <02046 3310 > Site dml, pipe removal, 2" dia, steel, welded connections	2800.00 LF	0.00 0	0.00 0	0.00 0	0.00 0	3.00 8,400	3.00 8,400
TOTAL Gas Distribution & Transmission		0	25,000	12,500	25,000	84,600	147,100
19_13.02.25. Outfall Collection System							
MIL 13 <02752 1120 > CB or manholes, conc, precast, 4' ID, 6' deep	10.00 EA	10.13 101	316.73 3,167	53.96 540	422.73 4,227	0.00 0	793.42 7,934
MIL 13 <02752 4606 > Manhole cover & frame, city type, CI, 24" dia x 400 lb	10.00 EA	3.06 31	86.79 868	13.22 132	186.67 1,867	0.00 0	286.68 2,867
MIL 13 <02762 2040 > Piping, drainage & sewage, 24" dia, RCP, class 3, no gaskets	400.00 LF	0.48 192	13.18 5,272	1.04 415	17.93 7,172	0.00 0	32.15 12,859
CIV 13 <02762 2910 > Piping, drainage & sewage, RCP, precast end section, 24" dia	10.00 EA	2.40 24	65.90 659	5.18 52	302.60 3,026	0.00 0	373.68 3,737
TOTAL Outfall Collection System		348	9,966	1,138	16,292	0	27,396
TOTAL Division 2 - Site Work		2,588	149,966	71,138	156,292	931,350	1,308,746
19_13.11. Division 11 - Equipment							
USR 13 < > Miscellaneous	1.00 LOT	0.00 0	60000.00 60,000	15000.00 15,000	25000.00 25,000	0.00 0	100000.00 100,000
TOTAL Division 11 - Equipment		0	60,000	15,000	25,000	0	100,000
19_13.15. Division 15 - Mechanical							
19_13.15. 5. Sanitary Sewer							
MIL 13 <02752 1130 > CB or manholes, conc, precast, 4' ID, 8' deep	19.00 EA	15.20 289	475.09 9,027	80.94 1,538	470.67 8,943	0.00 0	1026.70 19,507
MIL 13 <02752 1140 > CB or manholes, conc, precast, 4' ID, for depths over 8' add	228.00 VLF	1.90 433	59.39 13,540	10.12 2,307	78.54 17,907	0.00 0	148.04 33,754
USR 13 <02228 0372 > Concrete Encasement	6000.00 CY	0.00 0	0.00 0	0.00 0	0.00 0	250.00 1500000	250.00 1,500,000
USR 13 <02215 1220 > Miscellaneous	1.00 LOT	0.00 0	70000.00 70,000	25000.00 25,000	45000.00 45,000	0.00 0	140000.00 140,000

19. Building Demolition & Utilities

19_13. Utility Relocation - SS, W, SW	QUANTY UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
USR 13 <02215 1220 > 66" Ductile Iron Pipe	650.00 LF	0.00	0.00	0.00	0.00	306.00	306.00
		0	0	0	0	198,900	198,900
USR 13 <02215 1220 > 54" Ductile Iron Pipe	2520.00 LF	0.00	0.00	0.00	0.00	270.00	270.00
		0	0	0	0	680,400	680,400
USR 13 <02215 1220 > 42" Ductile Iron Pipe - (Shown as 39" in Drawings, which is not available in Ductile Iron)	2360.00 LF	0.00	0.00	0.00	0.00	210.00	210.00
		0	0	0	0	495,600	495,600
USR 13 <02215 1220 > 24" Ductile Iron Pipe	60.00 LF	0.00	0.00	0.00	0.00	120.00	120.00
		0	0	0	0	7,200	7,200
USR 13 <02215 1220 > 20" Ductile Iron Pipe	1000.00 LF	0.00	0.00	0.00	0.00	108.00	108.00
		0	0	0	0	108,000	108,000
USR 13 <02215 1220 > 18" Ductile Iron Pipe	200.00 LF	0.00	0.00	0.00	0.00	102.00	102.00
		0	0	0	0	20,400	20,400
USR 13 <02215 1220 > 15" Ductile Iron Pipe	1000.00 LF	0.00	0.00	0.00	0.00	93.00	93.00
		0	0	0	0	93,000	93,000
USR 13 <02215 1220 > 12" Ductile Iron Pipe	1500.00 LF	0.00	0.00	0.00	0.00	84.00	84.00
		0	0	0	0	126,000	126,000
USR 13 <02215 1220 > 10" Ductile Iron Pipe	30.00 LF	0.00	0.00	0.00	0.00	78.00	78.00
		0	0	0	0	2,340	2,340
USR 13 <02215 1220 > 8" Ductile Iron Pipe	1000.00 LF	0.00	0.00	0.00	0.00	72.00	72.00
		0	0	0	0	72,000	72,000
<b>TOTAL Sanitary Sewer</b>		<b>722</b>	<b>92,567</b>	<b>28,845</b>	<b>71,850</b>	<b>3303840</b>	<b>3,497,101</b>
<b>19_13.15.10. Water Mains</b>							
USR 13 < > 30" Ductile Iron Pipe - Including Trenching	690.00 LF	0.00	0.00	0.00	0.00	138.00	138.00
		0	0	0	0	95,220	95,220
USR 13 < > 20" Ductile Iron Pipe Including Trenching	800.00 LF	0.00	0.00	0.00	0.00	108.00	108.00
		0	0	0	0	86,400	86,400
USR 13 < > 16" Ductile Iron Pipe - Including Trenching	680.00 LF	0.00	0.00	0.00	0.00	96.00	96.00
		0	0	0	0	65,280	65,280
USR 13 < > 12" Ductile Iron Pipe - Including Trenching	1010.00 LF	0.00	0.00	0.00	0.00	84.00	84.00
		0	0	0	0	84,840	84,840
USR 13 <02664 2160 > Miscellaneous	1.00 LOT	0.00	12500.00	5000.00	7500.00	0.00	25000.00
		0	12,500	5,000	7,500	0	25,000

19. Building Demolition & Utilities

19_13. Utility Relocation - SS, W, SW	QUANTY UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
-----							
TOTAL Water Mains		0	12,500	5,000	7,500	331,740	356,740
-----							
19_13.15.15. Storm Sewer							
USR 13 <02215 1220 > Miscellaneous		0.00	6000.00	2000.00	4000.00	0.00	12000.00
	1.00 LOT	0	6,000	2,000	4,000	0	12,000
USR 13 <02215 1220 > 72" Concrete Pipe		0.00	0.00	0.00	0.00	340.00	340.00
	150.00 LF	0	0	0	0	51,000	51,000
USR 13 <02215 1220 > 48" Concrete Pipe		0.00	0.00	0.00	0.00	240.00	240.00
	160.00 LF	0	0	0	0	38,400	38,400
USR 13 <02215 1220 > 42" Concrete Pipe		0.00	0.00	0.00	0.00	220.00	220.00
	190.00 LF	0	0	0	0	41,800	41,800
TOTAL Storm Sewer		0	6,000	2,000	4,000	131,200	143,200
-----							
19_13.15.20. Gas Distribution & Transmission							
USR 13 <02687 4280 > Miscellaneous		0.00	22500.00	7500.00	15000.00	0.00	45000.00
	1.00 LOT	0	22,500	7,500	15,000	0	45,000
USR 13 <02687 4280 > 24" Sch 40 Steel Pipe		0.00	0.00	0.00	0.00	360.00	360.00
	1020.00 LF	0	0	0	0	367,200	367,200
USR 13 <02687 4280 > 6" Sch 40 Steel Pipe		0.00	0.00	0.00	0.00	90.00	90.00
	1620.00 LF	0	0	0	0	145,800	145,800
USR 13 <02687 4280 > 4" Sch 40 Steel Pipe		0.00	0.00	0.00	0.00	60.00	60.00
	920.00 LF	0	0	0	0	55,200	55,200
USR 13 <02687 4280 > 3" Sch 40 Steel Pipe		0.00	0.00	0.00	0.00	45.00	45.00
	990.00 LF	0	0	0	0	44,550	44,550
USR 13 <02687 4280 > 2" Sch 40 Steel Pipe		0.00	0.00	0.00	0.00	30.00	30.00
	530.00 LF	0	0	0	0	15,900	15,900
TOTAL Gas Distribution & Transmission		0	22,500	7,500	15,000	628,650	673,650
-----							
TOTAL Division 15 - Mechanical		722	133,567	43,345	98,350	4395430	4,670,691
-----							
TOTAL Utility Relocation - SS, W, SW		3,310	343,533	129,483	279,642	5326780	6,079,438



19. Building Demolition & Utilities

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 19\_14. Utility Relocation - Elec & Comm

QUANTY UOM MANHRS LABOR EQUIPMNT MATERIAL OTHER TOTAL COST  
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19\_14.02. Division 2 - Site Work

19\_14.02. 5. Electrical

CIV 14 <02058 7012 > Electrical dml, remove conduit  
 w/ wire, 3/4" 13000 LF 0.03 1.03 0.00 0.00 0.00 1.03  
 347 13,406 0 0 0 13,406

USR 14 <02058 7012 > Electrical Pole Demolition  
 82.00 EA 0.00 640.00 400.00 200.00 0.00 1240.00  
 0 52,480 32,800 16,400 0 101,680

TOTAL Electrical 347 65,886 32,800 16,400 0 115,086  
 -----

19\_14.02.10. Cable

L CIV 14 <02058 7012 > Cable (CATV) Demolition  
 8000.00 LF 0.04 1.50 0.00 0.00 0.00 1.50  
 310 12,000 0 0 0 12,000

TOTAL Cable 310 12,000 0 0 0 12,000  
 -----

19\_14.02.15. Fiber Optic

B CIV 14 <02058 7012 > Fiber Optic Demolition (Aerial)  
 1700.00 LF 2.59 100.00 20.00 20.00 0.00 140.00  
 4,397 170,000 34,000 34,000 0 238,000

TOTAL Fiber Optic 4,397 170,000 34,000 34,000 0 238,000  
 -----

19\_14.02.20. Miscellaneous

USR 14 < > Miscellaneous  
 1.00 LOT 0.00 100000.00 30000.00 100000.00 0.00 230000.00  
 0 100,000 30,000 100,000 0 230,000

TOTAL Miscellaneous 0 100,000 30,000 100,000 0 230,000  
 -----

TOTAL Division 2 - Site Work 5,055 347,886 96,800 150,400 0 595,086  
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19\_14.16. Division 16 - Electrical

19\_14.16. 5. Electrical

USR 14 < > Directionally Drilled  
 Underground Electrical Cable 2500.00 LF 0.00 30.00 20.00 25.00 0.00 75.00  
 0 75,000 50,000 62,500 0 187,500

MIL 14 <16926 4350 > Insul, crossarm, type OU-1-d,  
 fused cutout, gnd, ovhd/ugnd 12.00 EA 68.57 2593.68 387.55 2560.00 0.00 5541.23  
 823 31,124 4,651 30,720 0 66,495  
 cvsrn, 15kV

19. Building Demolition & Utilities

19_14. Utility Relocation - Elec & Comm	QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
MIL 14 <16712 1090 > Conduit, direct burial, PVC sched 40, 6" dia, w/coupling	7500.00	LF	0.18 1,334	6.87 51,562	0.00 0	5.17 38,775	0.00 0	12.04 90,337
MIL 14 <16119 5700 > Wire, 600 volt, 300 kcmil, copper type XLPE-USE(RHW), stranded	7.50	MLF	42.08 316	1627.12 12,203	0.00 0	2730.00 20,475	0.00 0	4357.12 32,678
CIV 14 <16181 6130 > Grounding, gnd insert, 4-3/8" x 16" holes, 250-500 kcmil cable range	12.00	EA	1.00 12	38.87 466	0.00 0	120.00 1,440	0.00 0	158.87 1,906
USR 14 <16181 6130 > Tie-in to existing	12.00	EA	0.00 0	300.00 3,600	200.00 2,400	200.00 2,400	0.00 0	700.00 8,400
MIL 14 <16922 0100 > Pole line constr, down guying assemblies, 25' to 40' pole	24.00	EA	5.52 132	208.69 5,008	31.18 748	314.60 7,550	0.00 0	554.47 13,307
MIL 14 <16922 1000 > Pole line constr, 25' to 40' pole, head guying assemblies, 50' span	24.00	EA	8.65 208	327.11 7,851	48.88 1,173	193.40 4,642	0.00 0	569.38 13,665
MIL 14 <16922 2000 > Pole line constr, guying, insulator, guy strain	36.00	EA	4.17 150	157.88 5,684	23.59 849	8.38 302	0.00 0	189.85 6,834
MIL 14 <16923 0160 > Pole line constr, 2000A, load break sw, 3 phase, 7.2kV, outdoor	12.00	EA	12.47 150	471.63 5,660	70.47 846	5820.00 69,840	0.00 0	6362.10 76,345
MIL 14 <16924 3040 > Service distribution pole, 30', al, round, tapered seamless shaft	15.00	EA	8.97 135	339.39 5,091	50.71 761	775.00 11,625	0.00 0	1165.10 17,476
MIL 14 <16123 1650 > Copper cable, on poles, stranded, insulated, 400 kcmil	1.90	MLF	38.80 74	1475.70 2,804	164.45 312	3450.00 6,555	0.00 0	5090.15 9,671
<b>TOTAL Electrical</b>			<b>3,332</b>	<b>206,052</b>	<b>61,740</b>	<b>256,824</b>	<b>0</b>	<b>524,616</b>

19\_14.16.10. Cable

MIL 14 <16117 4100 > Coaxial cable, 1/4" dia,cable drop,in conduit, cu covered al core	5.01	MLF	24.06 121	871.88 4,368	0.00 0	1243.55 6,230	0.00 0	2115.43 10,598
CIV 14 <02229 0300 > Excavate utility trench, plowed to course material, sgl cable	5010.00	LF	0.01 30	0.19 949	0.20 996	0.00 0	0.00 0	0.39 1,945
MIL 14 <02215 1220 > Backfill, trench, front-end loader, 40 - 60 HP, no compaction	1375.00	CY	0.03 41	0.95 1,303	0.66 903	0.00 0	0.00 0	1.60 2,206

19. Building Demolition & Utilities

19_14. Utility Relocation - Elec & Comm		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
AF 14 <02220 7060 >	Compaction, struct/trench, 8" lifts, 2 passes 18" wide, vib plate	1375.00	CY	77	2,039	56	0	0	2,095
TOTAL Cable				269	8,659	1,955	6,230	0	16,844
19_14.16.15. Fiber Optic									
MIL 14 <16111 1100 >	Fiber optic sys, cable, 50 microns, indoor, 12 fiber	1800.00	LF	88	3,204	0	2,970	0	6,174
MIL 14 <16111 1160 >	Fiber optic sys, transmission, connectors, 125 micron cable	2.00	EA	3	97	0	18	0	115
MIL 14 <16111 1220 >	Fiber optic sys, receiver, 6.2 mile range	2.00	EA	8	311	0	2,286	0	2,597
MIL 14 <16111 1280 >	Fiber optic sys, transmitter, 6.2 mile range	2.00	EA	8	311	0	2,286	0	2,597
MIL 14 <16111 1400 >	Fiber optic sys, repeater, 6.2 mile range	1.00	EA	4	155	0	1,100	0	1,255
MIL 14 <16111 1480 >	Fiber optic sys, cable enclosure, interior NEMA 13	2.00	EA	6	222	0	286	0	508
MIL 14 <16123 3240 >	Service drop fiber optic cable, on poles 600V, strd	1.80	MLF	173	6,536	977	2,682	0	10,195
TOTAL Fiber Optic				289	10,837	977	11,627	0	23,441
19_14.16.20. Telephone									
MIL 14 <16122 0420 >	Telephone cable, #22 AWG, in conduit, 150 pair	10.00	MLF	2,479	89,831	0	102,304	0	192,135
TOTAL Telephone				2,479	89,831	0	102,304	0	192,135
19_14.16.25. Miscellaneous									
USR 14 <	Miscellaneous	1.00	LOT	0	250,000	100,000	250,000	0	600,000
TOTAL Miscellaneous				0	250,000	100,000	250,000	0	600,000

19. Building Demolition & Utilities

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19_14. Utility Relocation - Elec & Comm	QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
TOTAL Division 16 - Electrical			6,369	565,380	164,672	626,985	0	1,357,036
TOTAL Utility Relocation - Elec & Comm			11,424	913,265	261,472	777,385	0	1,952,122

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19. Building Demolition & Utilities

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19_15. Transmission Line Relocation	QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
-----								
19_15.02. Division 2 - Site Work								
MIL 15 <02215 1220 > Backfill, trench, front-end loader, 40 - 60 HP, no compaction	4720.00	CY	0.03 142	0.95 4,472	0.66 3,101	0.00 0	0.00 0	1.60 7,572
AF 15 <02220 7060 > Compaction, struct/trench, 8" lifts, 2 passes 18" wide, vib plate	4720.00	CY	0.06 263	1.48 6,998	0.04 192	0.00 0	0.00 0	1.52 7,190
MIL 15 <02228 0372 > Excavate trench, mdm soil, 6'-10' D, 2 CY excavator	4720.00	CY	0.01 49	0.34 1,604	0.32 1,532	0.00 0	0.00 0	0.66 3,136
TOTAL Division 2 - Site Work			454	13,074	4,824	0	0	17,899
19_15.16. Division 16 - Electrical								
USR 15 <16712 4090 > TXU Quote	1.00	LOT	0.00 0	0.00 0	0.00 0	0.00 0	6000000 6000000	6000000.00 6,000,000
TOTAL Division 16 - Electrical			0	0	0	0	6000000	6,000,000
TOTAL Transmission Line Relocation			454	13,074	4,824	0	6000000	6,017,899
TOTAL Building Demolition & Utilities			171,117	5,907,522	3,668,991	1,107,027	11326780	22,010,320

21. Design Survey, Testing & Legal

21_ 5. Design Survey and Testing		QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
USR	< > Design Survey and Testing			0.00	0.00	0.00	0.00	4598350	4598350.00
		1.00	LOT	0	0	0	0	4598350	4,598,350
TOTAL Design Survey and Testing				0	0	0	0	4598350	4,598,350

21. Design Survey, Testing & Legal

21_10. Legal Costs		QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
USR	< > Legal Costs			0.00	0.00	0.00	0.00	3500000	3500000.00
		1.00	LOT	0	0	0	0	3500000	3,500,000
TOTAL Legal Costs				0	0	0	0	3500000	3,500,000
TOTAL Design Survey, Testing & Legal				0	0	0	0	8098350	8,098,350

22. Program Management

22_ 5. Program Management		QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
USR	< > Program Management - Includes Agency Coordination, Management Standards Development, Maintain Base Files Funding, Grants & Cost Accounts Contract Procurement & Administration.	1.00	LOT	0	0	0	0	17500000	17,500,000
TOTAL Program Management				0	0	0	0	17500000	17,500,000
TOTAL Program Management				0	0	0	0	17500000	17,500,000



30. Planning, Engineering & Design

30_ 5. A/E Design Service		QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
USR	< > A/E Design Fees			0.00	0.00	0.00	0.00	17983450	17983450.00
		1.00	LOT	0	0	0	0	17983450	17,983,450
TOTAL A/E Design Service				0	0	0	0	17983450	17,983,450

30. Planning, Engineering & Design

30_10. Permitting		QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
USR	< > Fees, Permits and Licenses			0.00	0.00	0.00	0.00	6150000	6150000.00
		1.00	LOT	0	0	0	0	6150000	6,150,000
TOTAL Permitting				0	0	0	0	6150000	6,150,000
TOTAL Planning, Engineering & Design				0	0	0	0	24133450	24,133,450

31. Construction Management

31_ 5. Const. Management & Testing		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
USR	< > Construction Management & Testing			0.00	0.00	0.00	0.00	16728000	16728000.00
		1.00	LOT	0	0	0	0	16728000	16,728,000
TOTAL Const. Management & Testing				0	0	0	0	16728000	16,728,000
TOTAL Construction Management				0	0	0	0	16728000	16,728,000

33. HTRW

33_01. Environmental Assessment		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
USR	< > Phase I Site Assessments	1.00	LS	0	0	0	0	173,000	173,000
USR	< > Phase II/III Site Assessments	1.00	LS	0	0	0	0	975,000	975,000
USR	< > Asbestos Assessments	1.00	LS	0	0	0	0	111,550	111,550
TOTAL Environmental Assessment				0	0	0	0	1259550	1,259,550

33. HTRW

33_02. Division 2 - Site Work		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
USR 18 <	> Asbestos Removal			0.00	0.00	0.00	0.00	737039	737039.00
		1.00	LOT	0	0	0	0	737,039	737,039
USR 18 <	> Underground Storage Tank Removal			0.00	0.00	0.00	0.00	40000.00	40000.00
		20.00	EA	0	0	0	0	800,000	800,000
USR 18 <	> Soil Remediation			0.00	0.00	0.00	0.00	50.00	50.00
		202500	TON	0	0	0	0	10125000	10,125,000
USR 18 <	> Miscellaneous Demolition (Unknowns)			0.00	0.00	0.00	0.00	400000	400000.00
		1.00	LOT	0	0	0	0	400,000	400,000
TOTAL Division 2 - Site Work				0	0	0	0	12062039	12,062,039

33. HTRW

33_11. Division 11 - Equipment		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
USR 18 <	> Groundwater Treatment - Treatment Systems	20.00	EA	0	0	0	0	1000000	1,000,000
USR 18 <	> Groundwater Treatment - O&M Systems	36.00	MO	0	0	0	0	540,000	540,000
TOTAL Division 11 - Equipment				0	0	0	0	1540000	1,540,000

33. HTRW

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33_20. Analytical Testing		QUANTITY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
USR	< > Soil and Groundwater Testing			0.00	0.00	0.00	0.00	629650	629650.00
		1.00	LS	0	0	0	0	629,650	629,650
TOTAL Analytical Testing				0	0	0	0	629,650	629,650

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33. HTRW

33_21. Offsite Environmental Coord.		QUANTY	UOM	MANHRS	LABOR	EQUIPMNT	MATERIAL	OTHER	TOTAL COST
USR	< > Remediation Coordination			0.00	0.00	0.00	0.00	1667000	1667000.00
		1.00	LS	0	0	0	0	1667000	1,667,000
USR	< > Offsite Groundwater Impacts - Capital costs for offsite facilities.			0.00	0.00	0.00	0.00	400000	400000.00
		1.00	LS	0	0	0	0	400,000	400,000
TOTAL Offsite Environmental Coord.				0	0	0	0	2067000	2,067,000
TOTAL HTRW				0	0	0	0	17558239	17,558,239
TOTAL Fort Worth Central City				1274518	37379082	17065719	32478139249312060	336,235,001	



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R2029: No Crew Database - No Crew Summaries or Reprice  
R2021: 01 5 Acquisition ID 01 Not in Current Contractor List - Contractor Ignored  
R2021: 0110 Acquisition ID 01 Not in Current Contractor List - Contractor Ignored  
R2032: 03162003 Detail item has zero quantity - no costs reported  
R2032: 0402 Detail item has zero quantity - no costs reported  
R2032: 1407 502 Detail item has zero quantity - no costs reported

\* \* \* END OF ERROR REPORT \* \* \*

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No Backup Reports...

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