



INTEGRATED PIPELINE PROJECT

MONTHLY EXECUTIVE SUMMARY

May 2017



JB3 Aerial view of twin Venturi Flowmeter vaults for metering pump discharge flow rates

IPL PROGRAM MANAGEMENT

Tarrant Regional Water District
804 East Northside Drive
Fort Worth, TX 76102
817.720.4469 p
817.720.4397 f
iplproject.com
[@IPL_Project](https://twitter.com/IPL_Project)

TARRANT REGIONAL WATER DISTRICT (TRWD) and the **CITY OF DALLAS WATER UTILITIES (DWU)** have partnered to finance, plan, design, construct and operate the Integrated Pipeline (IPL) Project. The IPL Project is an integrated water delivery transmission system connecting Lake Palestine to Lake Benbrook with connections to Cedar Creek and Richland-Chambers Reservoirs integrating TRWD's existing pipelines and creating flexibility in delivery as well as quick response to fluctuating customer water demands. The IPL Project consists of 150 miles of pipeline, three new lake pump stations, and three new booster pump stations delivering a required capacity of 350 million gallons per day (MGD) of raw water to North Central Texas. TRWD and DWU currently serve over 4.1 million residents and the IPL will allow these agencies to continue supporting regional community and economic growth.

PROGRAM SUPPORT SERVICES

as of 05.31.17

CONTRACT DESIGN AND CONSTRUCTION	DESCRIPTION	BUDGET	CONTRACTS ISSUED	TOTAL INVOICED
PROGRAM WIDE PROFESSIONAL SERVICES		\$133,061,000	\$88,359,307	\$83,705,576
Program Management	Overall program management services for implementation of the IPL Project. (Extension of TRWD staff)	\$45,000,000	\$35,124,711	\$35,124,711
Conceptual Design / Environmental / Permitting	Operations plan & Prepare 404 permit application, Envision Application Completion	\$13,551,000	\$13,472,389	\$13,133,195
Value Engineering	Expert review of design	\$640,000	\$472,248	\$472,248
Surveying and Mapping	Control, property survey, legal descriptions, and Provide SUE Level A Survey, GIS	\$14,600,000	\$11,858,055	\$10,458,287
Geotechnical	Initial Characterization of entire IPL Project	\$12,037,000	\$12,026,275	\$12,026,276
Corrosion Engineering Services	Engineering Corrosion Control	\$3,891,000	\$5,326,362	\$3,902,269
Land, Easement Acquisition, & Support Studies	Right of Entry and Land Acquisition Support Services	\$33,993,000	\$3,464,526	\$3,420,094
		\$3,500,000	\$3,583,743	\$3,402,626
SCADA System	Engineering of SCADA system	\$640,000	\$1,508,213	\$297,260
Microwave System	Engineering of Communications System	\$5,210,000	\$1,522,785	\$1,468,609
DESIGN		\$152,839,000	\$128,351,515	\$115,261,371
Completed		\$101,901,000	\$95,902,930	\$95,153,466
Active		\$24,159,000	\$31,910,169	\$20,107,905
CH2M Hill	Project Operational Information and Operations Manual		\$3,044,922	\$2,503,293
CH2M Hill	Final Conformance of Design of JCC1	\$728,000	\$2,861,718	\$1,429,127
MWH	Final Conformance of Design of Section 9/10/11	\$506,000	\$812,562	\$533,231
Black & Veatch	Final Design of Section 12/13/14 - 28.1 miles of 84 - inch and 108 - inch pipeline	\$11,292,000	\$9,712,413	\$9,651,306
Parsons	Final Conformance of Design of Sections 17/18/Tunnel	\$832,000	\$579,753	\$681,545
Brown & Gay	Final Design of Section 19-1	\$5,770,000	\$7,003,722	\$1,655,384
HDR	Final Design of Section 19-2	\$5,030,000	\$6,989,876	\$2,895,476
Burns & McDonnell Trans. Mgmt.	Development of Transportation Management Plan		\$905,203	\$758,544
Remaining		\$26,778,000	\$538,417	
CONSTRUCTION ADMINISTRATION		\$48,877,000	\$18,550,583	\$9,780,629
CONSTRUCTION / OWNER FURNISHED EQUIPMENT		\$1,729,540,000	\$632,143,265	\$443,762,002
Completed		\$26,677,000	\$20,593,942	\$20,377,238
Active		\$811,918,000	\$611,549,323	\$423,384,764
Pipeline Section 15-1		\$115,112,000	\$94,409,665	\$92,929,816
Garney Construction	Construction of Section 15-1	\$115,112,000	\$94,409,665	\$92,929,816
JB3		\$83,013,000	\$74,454,393	\$50,597,961
MWH Constructors	Construction of JB3 Pump Station	\$51,473,000	\$57,024,425	\$38,061,849
Oncor Electric	Installation of JB3 Substation Transmission Lines	\$1,066,000	\$957,119	\$923,119
Isolux Corsan	Construction of JB3 Substation	\$7,400,000	\$4,864,888	\$4,863,865
R E Monks	Construction of JB3R Restoration	\$0	\$349,777	\$296,174
Pentair Flow Technologies	Construction of JB3 Pumps, Motors, Drives	\$23,074,000	\$11,258,183	\$6,452,954
Pipeline Section 12/13/MBR/JB4 Bypass		\$167,993,000	\$153,961,329	\$135,971,150
Thalle Midlothian	Construction of Sections 12/13/MBR/JB4 Bypass	\$146,310,000	\$143,270,617	\$126,947,781
BAR Constructors	Construction of Richland-Chambers/Cedar Creek Interconnection Facility	\$21,682,000	\$10,566,482	\$8,899,140
Hilco Electric	Relocation of Electrical Service Lines		\$0	
Hilco Electric	MBR Radio Tower Power		\$33,312	\$33,312
Oncor Electric	Provide Power to IPL 2X12		\$90,918	\$90,918

PROGRAM SUPPORT SERVICES

as of 05.31.17

CONTRACT DESIGN AND CONSTRUCTION	DESCRIPTION	BUDGET	CONTRACTS ISSUED	TOTAL INVOICED
Pipeline Section 15-2		\$97,217,000	\$52,991,575	\$48,204,437
BAR Constructors	Construction of Section 15-2	\$97,217,000	\$52,991,575	\$48,204,437
Pipeline Section 14		\$107,113,000	\$48,323,709	\$42,573,404
Garney Construction	Construction of Section 14	\$107,113,000	\$48,323,709	\$42,573,404
Pipeline Section 17		\$109,944,000	\$78,312,983	\$16,340,481
IPL Partners	Construction of Section 17 Tunnel	\$12,252,000	\$32,992,000	\$11,236,361
Thalle Midlothian	Construction of Sections 17	\$97,692,000	\$45,320,983	\$5,104,120
JCC1		\$42,683,000	\$37,709,676	\$4,555,040
BAR Constructors	Construction of JCC1 Intake	\$21,564,000	\$19,743,852	\$4,555,040
Ebara	Construction of JCC1 Pumps, Motors, Drives	\$17,775,000	\$12,694,890	\$0
Oncor Electric	Construction of JCC1 HV Transmission Lines	\$3,343,000	\$5,270,933	\$0
Pipeline Section 10/11		\$73,678,000	\$56,817,456	\$23,741,749
IPL Partners	Construction of Section 10/11	\$72,362,000	\$43,160,004	\$23,724,296
Oncor Electric	Construction of KBR S1X10 HV Transmission Lines	\$0	\$17,452	\$17,452
BAR Constructors	Construction of KBR S1X10	\$1,317,000	\$13,640,000	\$0
Valve Packages		\$15,165,000	\$14,568,537	\$8,470,727
Garney Construction	Valve Package 1 - Section 15-1 Butterfly Valves	\$518,000	\$262,244	\$166,900
Rodney Hunt	Valve Package 2 - Section 15-1 Interconnection Facility Valves	\$474,000	\$733,206	\$664,995
Blackhall Engineering	Valve Package 3 - JB3, Section 15-2, MBR Yard Gate Valves	\$5,500,000	\$6,278,387	\$4,610,197
Crispin Valves	Valve Package 4 - Section 12 RC/CC Interconnection, JB4 Bypass, MBR Yard Butterfly Valves	\$3,999,000	\$2,269,140	\$1,632,612
Crispin Valves	Valve Package 5 - JB3 Butterfly Valves	\$1,249,000	\$1,249,222	\$867,122
Ross Valves	Valve Package 6 - Section 12 RC/CC Interconnection Multi-Orifice Valves	\$715,000	\$526,340	\$352,005
Crispin Valves	Valve Package 8 - Section 10 & 11 Bypass Butterfly Valves	\$1,391,000	\$1,461,040	\$0
Blackhall Engineering	Valve Package 11 - JCC1 Gate Valve	\$1,320,000	\$1,788,958	\$176,896
Remaining		\$890,944,000		
CONSTRUCTION MANAGEMENT		\$65,169,000	\$45,397,801	\$25,487,752
Completed		\$15,777,000	\$15,687,599	\$15,687,599
Active		\$17,665,000	\$29,710,201	\$9,800,152
Remaining		\$31,728,000		
CONSTRUCTION MATERIALS TESTING		\$17,295,000	\$12,873,125	\$5,050,409
Completed		\$203,000	\$225,133	\$225,132
Active		\$7,791,000	\$12,647,992	\$4,825,277
Remaining		\$9,302,000		
ROCIP		\$2,575,000	\$23,351,087	\$18,675,818
LAND COST		\$107,384,000	\$55,815,247	\$55,815,247
PROGRAM LEVEL CONTINGENCY		\$83,178,000		
MISCELLANEOUS		\$2,000,000	\$2,249,028	\$2,249,028
GRAND TOTAL		\$2,341,918,000	\$1,007,090,959	\$759,787,832
REMAINING BOND FUNDS				\$490,212,168

Note: Total Bonds issued to date \$1,250,000,000

ACCOMPLISHMENTS

through 06.30.17

PL15-1 (Pipeline Section 15-1 including the S5X15 Richland-Chambers Pipeline Interconnect Facility)

- S5X15 interconnect and Section 15-1 pipeline placed in service to fill Section 15-2 pipeline for testing.
- Continue seeding and sprigging on ROW.

JB3R (Pump Suction Reservoir for JB3 Pump Station)

- PROJECT COMPLETE.

JB3RR (Pump Suction Reservoir Grading and Grassing Project)

- Continue irrigation and maintenance of embankment slopes.

PL12, 13, MBR (Pipeline Sections 12 and 13 combined with the Midlothian Balancing Reservoir)

- First portion of Section 13 pipeline upstream of JB4 site passed hydrostatic pressure test.
- Completed installation of geonet and 60 mil HDPE liner in MBR.
- Soil cement is complete in Cells 1 and 2 and 10% complete in Cell 3.
- Continue installing pipeline ROW fences and gates and fencing at MBR.

COM01 (Microwave Towers and Communication Facilities for SCADA Control of the IPL)

- PROJECT COMPLETE.

JB3 (250mgd Pump Station expandable to 350mgd)

- Completed steel roof deck and continue installing standing seam metal roof on pump room.
- Installed bridge crane in pump room and installing electrical cable trays in Electrical Room.
- Placed Gate Valve Vault walls.
- Installing pump discharge piping at Venturi Flowmeter Vaults.

PL15-2 (Pipeline Section 15-2 that feeds the JB3 Reservoir)

- Began filling pipeline via S5X15 and Section 15-1 for hydrostatic testing.
- Completed air valves, blow-offs, anode beds and cathodic protection test stations.
- Completed seeding of all ROW pasture lands and began installation of cable mats at creek crossings.
- Installing electrical ductbanks for 108" Gate Valve.

S2X12 (Interconnection Facility of IPL Phase 1 to existing Cedar Creek and Richland Chambers Pipelines)

- Began installation of perimeter screen wall panels.
- Permanent power service and transformer from Oncor are in place.

JB3HV (High Voltage Substation for the JB3 Pump Station and Data Center)

- PROJECT COMPLETE.

PL14 (Pipeline Section 14 that delivers water from JB3 Pump Station to MBR)

- Continue pipe joint welding and inside joint grouting.
- Continue installing vaults at air valves and blow-offs and continue spoil removal and ROW restoration.

PL17TUN (Trinity River Tunnel on Pipeline Section 17)

- Continue tunneling from west to east; 406 l.f. of tunnel installed.
- Installed rails for spoil-cart locomotive.
- Continue excavating receiving portal at east end of tunnel.
- Continue receiving 108" pipe for open-cut portions of the project.

JCC1IN (Intake Structure and Wet Well for JCC1 Pump Station at Cedar Creek)

- Completed installing shoring system for deep excavation at intake structure.
- Completed placing excavated material for pre-loading of Chemical Facility and began monitoring settlement points.
- Continue well-point dewatering of the work area.
- Pre-tying rebar cages for drilled piers at intake structure.

PL10, 11 (Pipeline Sections 10 and 11 from the JB4 Pump Station to the KBR Pressure Reduction Facility)

- Installed 2,334 l.f. of 84" pipe to completed Section 10 pipe installation.
- Installed 1,700 l.f. of double-welded 84" pipe at the JB4 bypass.
- Completed the Mountain Creek tunnel installation by installing and grouting the 84" carrier pipe.
- Clean-up crew working on vault installation and ROW restoration as pipeline sections are completed.

PL17-18 (Pipeline Sections 17 and 18 from east end of PL15-1 to JCC1 Pump Station)

- Continue installing silt fence, rock dams, etc. in accordance with SWPPP document.
- All ROW clearing and 75% of topsoil stripping is complete on Henderson County portion of the project.
- Trees have been cleared on 50% of the ROW in Navarro County.
- Continue installing temporary fences and gates.

KBRPRS / S1X10 (Pressure Reduction Station at Kennedale Balancing Reservoir connecting Pipeline Section 10)

- Continue submittal reviews of long lead items.
- Verifying survey control points.

OFE03 (Owner-Furnished 108" Gate Valves)

- GV #3 is in production.

OFE04/05 (Owner-Furnished 54", 60" and 108" Butterfly Valves)

- All valves have been delivered.

OFE06 (Owner-Furnished Multi-Orifice Valves for S2X12)

- Valves delivered and installed, awaiting facility start-up.

OFE07 (Owner-Furnished pumps, motors and variable frequency drives for JB3)

- No additional deliveries to the site or factory testing performed this month.

OFE08 (Owner-Furnished 66", 84" and 108" Butterfly Valves)

- No additional deliveries to the site or factory testing performed this month.

OFE09 (Owner-Furnished pumps, motors and variable frequency drives for JCC1)

- Preliminary submittals have been delivered and are being reviewed.

OFE11 (Owner-Furnished 108" Gate Valve)

- Preliminary submittals received from Blackhall.



JCC1IN Aerial view of soil stockpile for pre-settlement of future chemical facility

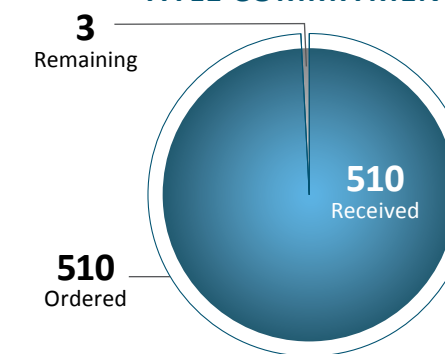


PL152 Progress of ROW restoration and grassing

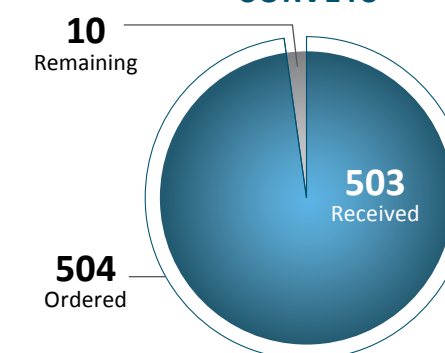
ACTIVITY STATUS

as of 06.30.17

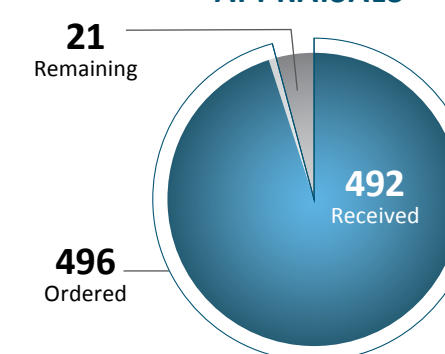
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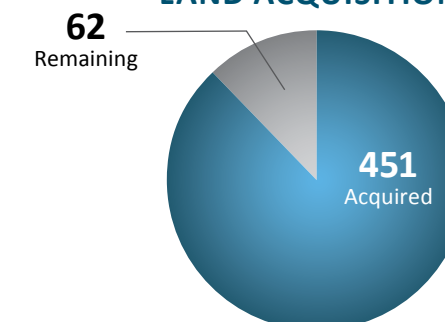
SURVEYS



APPRAISALS



LAND ACQUISITION



Total Parent Parcels: 513

PROJECT SCHEDULE

PROJECT COMPONENTS	2014				2015				2016				2017				2018			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
SECTION 15-1 CONSTRUCTION																				
SECTIONS 12, 13, MBR CONSTRUCTION																				
JB3 CONSTRUCTION																				
SECTION 15-2 CONSTRUCTION																				
SECTION 14 CONSTRUCTION																				
S2X12 (INTERCONNECTION FACILITY) CONSTRUCTION																				
SECTION 17 TUNNEL CONSTRUCTION																				
JCC1 PUMP STATION INTAKE, WET WELL CONSTRUCTION																				
SECTION 10, 11 CONSTRUCTION																				
SECTION 17, 18 CONSTRUCTION																				
KBRPRS/S1X10 (PRESSURE REDUCTION STA.) CONSTRUCTION																				

M/WBE PARTICIPATION

as of 05.31.17

CONTRACT DESIGN AND CONSTRUCTION	M/WBE & HUB SUB-CONTRACTORS	CONTRACT COMMITMENT		M/WBE HUB INVOICED TO DATE		TOTAL PROJECT COMPLETED TO DATE	
		\$	%	\$	% (PER COMMITMENT)	\$	%
PROGRAM WIDE PROFESSIONAL SERVICES		\$20,085,060	23%	\$19,637,934	98%	\$83,705,576	95%
Program Management		\$6,636,687	19%	\$6,636,687	100%	\$35,124,711	100%
Conceptual Design / Environmental / Permitting		\$2,700,278	20%	\$2,795,613	104%	\$13,133,195	97%
Value Engineering		\$23,178	5%	\$23,178	100%	\$472,248	100%
Surveying and Mapping		\$3,939,403	33%	\$3,831,616	97%	\$10,458,287	88%
Geotechnical		\$3,545,033	29%	\$3,545,033	100%	\$12,026,276	100%
Corrosion Engineering Services		\$1,053,764	20%	\$761,434	72%	\$3,902,269	73%
Land, Easement Acquisition, & Support		\$1,294,837	37%	\$1,520,794	117%	\$3,420,094	99%
Studies		\$41,717	1%	\$41,717	100%	\$3,402,626	95%
SCADA System		\$384,444	25%	\$32,208	8%	\$297,260	20%
Microwave System		\$465,719	31%	\$449,654	97%	\$1,468,609	96%
DESIGN		\$33,817,272	26%	\$30,813,819	91%	\$115,261,371	90%
Completed		\$26,158,041	27%	\$25,980,682	99%	\$95,153,466	99%
Active		\$7,659,231	24%	\$4,833,137	63%	\$20,107,905	63%
CH2M Hill (Ops Manual)	NDM	\$479,674	16%	\$484,209	101%	\$2,503,293	82%
CH2M Hill (JCC1)	JQ, Gupta, APM, HVJ, XENCO	\$721,484	25%	\$390,425	54%	\$1,429,127	50%
MWH	Garzabury, Kevin Sloan	\$226,705	28%	\$136,372	60%	\$533,231	66%
Black & Veatch	BDS, CAS, JQ, TME	\$2,425,531	25%	\$2,577,758	108%	\$9,651,306	100%
Parsons	Criado, EPB, HVJ	\$144,938	25%	\$112,357	78%	\$681,545	118%
Brown & Gay	AZB, TME, Lamb-Star, NDM	\$1,750,930	25%	\$418,590	24%	\$1,655,384	24%
HDR	AZB, Daltech, Word Wizards, Gupta	\$1,747,469	25%	\$597,954	34%	\$2,895,476	41%
Burns & McDonnell Trans. Mgmt.	Lamb-Star Engineering	\$162,500	18%	\$115,472	71%	\$758,544	84%
Remaining		\$0	0%	\$0	0%	\$0	0%
CONSTRUCTION ADMINISTRATION		\$4,533,806	24%	\$2,291,831	51%	\$9,780,629	53%
CONSTRUCTION / OWNER FURNISHED EQUIPMENT		\$81,191,833	19%*	\$69,175,845	85%	\$443,762,002	70%
Completed		\$4,380,098	22%	\$4,091,050	93%	\$20,377,238	99%
Active		\$76,811,735	22%*	\$65,084,795	85%	\$423,384,764	69%
Pipeline Section 15-1		\$9,415,226	28%*	\$6,643,128	71%	\$92,929,816	98%
Garney Construction	Danridge, SYB, Ricochet, Glenko, Carrasco, Cowboy, Gorrondona, Custom Fence, LKT, Astro Johnny, Pam, Father & Son, Bowden's Erosion	\$9,415,226	28%*	\$6,643,128	71%	\$92,929,816	98%
JB3		\$15,056,385	27%*	\$9,557,516	63%	\$50,597,961	68%
MWH Constructors	Statewide, Cowboy, TX Enviro, Champion, Ram Tool, Rent-a-Fence, Soto Steel, A-Star, Ike, Greystone, LKT, Accurate, Green Scaping	\$13,580,000	27%*	\$8,107,596	60%	\$38,061,849	67%
Isolux Corsan	Dyna Grid	\$1,476,385	30%	\$1,449,920	98%	\$4,863,865	100%
R E Monks		\$0	0%	\$0	0%	\$296,174	85%
Oncor Electric		\$0	0%	\$0	0%	\$923,119	96%
Pentair Flow Technologies		\$0	0%	\$0	0%	\$6,452,954	57%
Pipeline Section 12/13/MBR/JB4 Bypass		\$22,054,002	24%*	\$19,970,983	91%	\$135,971,150	88%
Thalle Midlothian	LKT, Statewide, Granados, Desert Steel, ETTL, Glenko, A.N.A., Edwards, Buzz, Bradley-Douglas, Pinnacle	\$21,209,810	27%*	\$15,348,534	72%	\$126,947,781	89%

M/WBE PARTICIPATION

as of 05.31.17

CONTRACT DESIGN AND CONSTRUCTION	M/WBE & HUB SUB-CONTRACTORS	CONTRACT COMMITMENT		M/WBE HUB INVOICED TO DATE		TOTAL PROJECT COMPLETED TO DATE	
		\$	%	\$	% (PER COMMITMENT)	\$	%
BAR Constructors	Fraire's, DFW Aggregates, Ricochet, MMG, LKT, Brock, Garland Heating & Air, Texas Metal, Buzz, Rangel	\$844,192	8%	\$4,622,449	548%	\$8,899,140	84%
Hilco Electric		\$0	0%	\$0	0%	\$0	0%
Hilco Electric		\$0	0%	\$0	0%	\$33,312	100%
Oncor Electric		\$0	0%	\$0	0%	\$90,918	100%
Pipeline Section 15-2		\$4,122,200	15%*	\$18,447,225	448%	\$48,204,437	91%
BAR Constructors	Ricochet, Fraire's, DFW Aggregates, Brock, Tidy Toilets, KDAT, Juan Cantu, Buyer's, RAM, Rangel, LKT, Greenscaping, Environmental Safety	\$4,122,200	15%	\$18,447,225	448%	\$48,204,437	91%
Pipeline Section 14		\$6,081,897	22%*	\$6,156,574	101%	\$42,573,404	88%
Garney Construction	AEA, Gorrondona, JC Welding, LKT, Statewide, Bowdens	\$6,081,897	22%	\$6,156,574	101%	\$42,573,404	88%
Pipeline Section 17		\$11,985,025	24%*	\$369,953	3%	\$16,340,481	21%
IPL Partners	LKT, Industry Junction, Eagle Aggregate, Suncoast Res, ATS Drilling, RECS, ANA, Alliance, Ram, JC Welding, Luis Moreno	\$6,623,125	24%	\$369,953	6%	\$11,236,361	34%
Thalle Midlothian	Fleet Lube, Rambo Controls, AE Trucking, MKI Construction, Stome Water Management, Industry Junction, Ortega Land Clearing	\$5,361,900	25%	\$0	0%	\$5,104,120	11%
JCC1		\$1,001,750	4%*	\$3,087,932	308%	\$4,555,040	12%
BAR Constructors	Industry Junction, K&A Steel, Ricochet Fuel, Ricochet Fuel, Tidy Toilets, Buzz Custom Fence	\$1,001,750	6%	\$3,087,932	308%	\$4,555,040	23%
Ebara		\$0	0%	\$0	0%	\$0	0%
Oncor Electric		\$0	0%	\$0	0%	\$0	0%
Pipeline Section 10/11		\$7,095,250	20%*	\$851,482	12%	\$23,741,749	42%
IPL Partners	LKT, Industry Junction, Eagle Aggregate, Suncoast Res, ATS Drilling, RECS, ANA, Alliance, Ram, JC Welding, Luis Moreno	\$5,675,000	25%	\$851,482	15%	\$23,724,296	55%
Oncor Electric		\$0	0%	\$0	0%	\$17,452	100%
BAR Constructors	Industry Junction, VSG Trucking, Ricochet, MMG Disposal, Garland HVAC, CMC Rebar, Buzz Custom Fence, K&A Steel, Rangle Land Surveying	\$1,420,250	11%	\$0	0%	\$0	0%
Valve Packages		\$0	0%	\$0	0%	\$8,470,727	58%
CONSTRUCTION MANAGEMENT		\$18,613,186	41%	\$10,273,728	55%	\$25,487,752	56%
Completed		\$5,928,804	38%	\$5,954,412	100%	\$15,687,599	100%
Active		\$12,684,383	43%	\$4,319,317	34%	\$9,800,152	33%
CONSTRUCTION MATERIALS TESTING		\$7,603,296	59%	\$2,278,396	30%	\$5,050,409	39%
Completed		\$219,036	97%	\$219,036	100%	\$225,132	100%
Active		\$7,384,260	58%	\$2,059,360	28%	\$4,825,277	38%
ROCIIP		\$1,499,307	6%	\$259,175	17%	\$18,675,818	80%
TOTAL		\$167,343,761	25%*	\$134,730,727	81%	\$701,723,557	74%
LAND COST				\$59,400		\$55,815,247	52%
MISCELLANEOUS						\$2,249,028	
GRAND TOTAL		\$167,343,761	25%*	\$134,790,127	81%	\$759,787,832	75%

M/WBE/HUB Invoiced	\$134,790,127
Grand Total Invoiced	\$759,787,832
** Exclusions Invoiced	\$260,962,007
MWBE %	27.02%

* Denotes participation percentage excluding cost of pipe and owner furnished equipment.

** This number excludes owner furnished equipment, large diameter pipe and land cost \$260,962,007.

PROJECT COMPONENTS

PIPELINE SEGMENTS	CORE PROJECT	DESCRIPTION
Section 9		KBR Turn-Out Tee to existing Benbrook Connection Pipeline (10.6 mi. 84" dia. Pipe + 5 mi. 120" Tunnel)
Section 10	◆	KBR Turn-Out Tee to KBR (2.4 mi. 84" dia. Pipe)
Section 11	◆	JB4 to KBR Turn-Out Tee (10 mi. 84" dia. Pipe)
Section 12	◆	JB4 to existing CC and RC Pipelines (2.2 mi. 108" dia. Pipe)
Section 13	◆	MBR2 (Midlothian Balancing Reservoir) to JB4 (11 mi. 108" dia. Pipe)
Section 14	◆	JB3 to MBR2 (Midlothian Balancing Reservoir) (14.9 mi. 108" dia. Pipe)
Section 15	◆	JB2 to JB3 (28.5 mi 108" dia. Pipe)
Section 16		JRC1 (Joint Richland Chambers Lake Pump Station) to JB2 (12.3 mi. 96" dia. Pipe)
Section 17	◆	Cedar Creek Connection to JB2 (11.2 mi. 108" dia. Pipe)
Section 18	◆	JCC1 (Joint Cedar Creek Lake Pump Station) to Cedar Creek Connection (0.2 mi. 108" dia. Pipe)
Section 19		LP1 (Lake Palestine Pump Station) to Cedar Creek Connection (42.3 mi. 84" dia. Pipe)

PUMP STATIONS	CORE PROJECT	DESCRIPTION
Palestine Pump Station		150 mgd with new intake
Cedar Creek Pump Station	◆	277 mgd with new intake
Richland Chambers Pump Station		250 mgd Ultimate Design Capacity
Booster Pump Stations		Two @ 347 mgd and one @ 197 mgd (◆ one 347 mgd station - JB3)

SUPPORT FACILITIES	CORE PROJECT	DESCRIPTION
Reservoirs	◆	Three reservoirs (80 – 400 mgd) - two for booster pump stations and one for balancing. Two of the reservoirs are core projects – JB3R and MBR
Deep Tunnels		5 mi of 10' dia. tunnel @ Crowley (included in length of Section 9)
Substations & High Voltage Transmission Lines		Six substations and 4 mi. of high voltage transmission lines (◆ two substations)
Microwave Communications and SCADA System	◆	Provides remote operations capability and system monitoring

