



INTEGRATED PIPELINE PROJECT

MONTHLY EXECUTIVE SUMMARY

February 2018

S2X12 North end of
Interconnect Building

IPL PROGRAM MANAGEMENT

Tarrant Regional Water District

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[@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 02.28.18

CONTRACT DESIGN AND CONSTRUCTION	DESCRIPTION	BUDGET	CONTRACTS ISSUED	TOTAL INVOICED
PROGRAM WIDE PROFESSIONAL SERVICES		\$133,062,000	\$88,965,790	\$84,738,891
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	\$13,225,536
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	\$11,854,388	\$10,519,602
Geotechnical	Initial Characterization of entire IPL Project	\$12,037,000	\$12,336,425	\$12,191,092
Corrosion Engineering Services	Engineering Corrosion Control	\$3,891,000	\$5,326,362	\$4,178,425
Land, Easement Acquisition, & Support Studies	Right of Entry and Land Acquisition Support Services	\$33,993,000	\$3,464,526	\$3,424,068
SCADA System	Engineering of SCADA system	\$640,000	\$1,508,213	\$547,016
Microwave System	Engineering of Communications System	\$5,210,000	\$1,522,785	\$1,468,609
DESIGN		\$152,837,000	\$133,181,683	\$117,325,803
Completed		\$101,901,000	\$97,470,103	\$95,706,397
Active		\$24,158,000	\$35,173,164	\$21,619,406
CH2M Hill	Project Operational Information and Operations Manual		\$6,308,293	\$2,909,507
CH2M Hill	Final Conformance of Design of JCC1	\$728,000	\$2,861,718	\$1,924,723
MWH	Final Conformance of Design of Section 9/10/11	\$506,000	\$812,562	\$535,921
Black & Veatch	Final Design of Section 12/13/14 - 28.1 miles of 84 - inch and 108 - inch pipeline	\$11,292,000	\$9,712,410	\$9,680,582
Parsons	Final Conformance of Design of Sections 17/18/Tunnel	\$832,000	\$579,379	\$681,545
Brown & Gay	Final Design of Section 19-1	\$5,770,000	\$7,003,722	\$1,881,534
HDR	Final Design of Section 19-2	\$5,030,000	\$6,989,876	\$3,163,053
Burns & McDonnell Trans. Mgmt.	Development of Transportation Management Plan		\$905,203	\$842,540
Remaining		\$26,778,000	\$538,417	
CONSTRUCTION ADMINISTRATION		\$48,877,000	\$18,550,960	\$11,888,060
CONSTRUCTION / OWNER FURNISHED EQUIPMENT		\$1,729,540,000	\$639,735,386	\$533,833,953
Completed		\$26,677,000	\$20,593,942	\$20,377,238
Active		\$811,918,000	\$619,141,444	\$513,456,716
Pipeline Section 15-1		\$115,112,000	\$94,701,185	\$93,461,134
Garney Construction	Construction of Section 15-1	\$115,112,000	\$94,701,185	\$93,461,134
JB3		\$83,013,000	\$75,163,937	\$61,581,347
MWH Constructors	Construction of JB3 Pump Station	\$51,473,000	\$57,672,394	\$48,956,733
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	\$4,864,888
R E Monks	Construction of JB3R Restoration	\$0	\$383,653	\$383,653
Pentair Flow Technologies	Construction of JB3 Pumps, Motors, Drives	\$23,074,000	\$11,285,883	\$6,452,954
Pipeline Section 12/13/MBR/IB4 Bypass		\$167,992,000	\$154,186,421	\$149,586,611
Thalle Midlothian	Construction of Sections 12/13/MBR/IB4 Bypass	\$146,310,000	\$143,456,762	\$139,500,126
BAR Constructors	Construction of Richland-Chambers/Cedar Creek Interconnection Facility	\$21,682,000	\$10,605,429	\$9,962,256
Hilco Electric	Relocation of Electrical Service Lines		\$0	\$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 02.28.18

CONTRACT DESIGN AND CONSTRUCTION	DESCRIPTION	BUDGET	CONTRACTS ISSUED	TOTAL INVOICED
Pipeline Section 15-2		\$97,217,000	\$53,376,119	\$50,287,777
BAR Constructors	Construction of Section 15-2	\$97,217,000	\$53,376,119	\$50,287,777
Pipeline Section 14		\$107,113,000	\$48,352,594	\$45,493,684
Garney Construction	Construction of Section 14	\$107,113,000	\$48,352,594	\$45,493,684
Pipeline Section 17		\$109,944,000	\$78,579,258	\$47,948,234
IPL Partners	Construction of Section 17 Tunnel	\$12,252,000	\$33,067,943	\$18,419,727
Thalle Midlothian	Construction of Sections 17/18/IB2 Bypass	\$97,692,000	\$45,511,315	\$29,528,507
JCC1		\$42,682,000	\$43,343,769	\$12,500,299
BAR Constructors	Construction of JCC1 Intake	\$21,564,000	\$19,901,946	\$11,739,356
Ebara	Construction of JCC1 Pumps, Motors, Drives	\$17,775,000	\$12,694,890	\$603,745
Lambda Construction	High Voltage		\$5,476,000	\$157,198
Oncor Electric	Construction of JCC1 HV Transmission Lines	\$3,343,000	\$5,270,933	\$0
Pipeline Section 10/11		\$73,679,000	\$57,131,866	\$41,545,231
IPL Partners	Construction of Section 10/11	\$72,362,000	\$43,416,722	\$38,366,122
Oncor Electric	Construction of KBR S1X10 HV Transmission Lines		\$17,452	\$17,452
BAR Constructors	Construction of KBR S1X10	\$1,317,000	\$13,697,691	\$3,161,657
Valve Packages		\$15,166,000	\$14,306,294	\$11,052,398
Garney Construction	Valve Package 1 - Section 15-1 Butterfly Valves	\$518,000	\$0	\$0
Rodney Hunt	Valve Package 2 - Section 15-1 Interconnection Facility Valves	\$474,000	\$733,206	\$733,206
Blackhall Engineering	Valve Package 3 - JB3, Section 15-2, MBR Yard Gate Valves	\$5,500,000	\$6,278,388	\$5,801,627
Crispin Valves	Valve Package 4 - Section 12 RC/CC Interconnection, JB4 Bypass, MBR Yard Butterfly Valves	\$3,999,000	\$2,269,140	\$1,970,902
Crispin Valves	Valve Package 5 - JB3 Butterfly Valves	\$1,249,000	\$1,249,222	\$1,039,098
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	\$416,376
Blackhall Engineering	Valve Package 11 - JCC1 Gate Valve	\$1,320,000	\$1,788,958	\$739,183
Remaining		\$890,945,000		
CONSTRUCTION MANAGEMENT		\$65,170,000	\$45,397,801	\$32,952,292
Completed		\$15,777,000	\$15,687,599	\$16,228,204
Active		\$17,665,000	\$29,710,201	\$16,724,088
Remaining		\$31,728,000		
CONSTRUCTION MATERIALS TESTING		\$17,296,000	\$12,013,590	\$6,749,425
Completed		\$203,000	\$225,133	\$225,132
Active		\$7,791,000	\$11,788,457	\$6,524,293
Remaining		\$9,302,000		
ROCIIP		\$2,575,000	\$23,351,087	\$18,867,922
LAND COST		\$107,384,000	\$62,565,355	\$62,565,355
PROGRAM LEVEL CONTINGENCY		\$83,178,000		
MISCELLANEOUS		\$2,000,000	\$2,253,758	\$2,253,758
GRAND TOTAL		\$2,341,919,000	\$1,026,015,410	\$871,175,460
REMAINING BOND FUNDS				\$378,824,540

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

ACCOMPLISHMENTS

through 03.31.18

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

- Completing installation of ROW fencing H-Braces added by change order.
- Continue working on Punchlist items and installed roller gate operators at S5X15.

JB3RR (Pump Suction Reservoir Grading and Grassing Project)

- No additional work this month.

JB3RC2 (Repair soil cement and HDPE liner damage in Cell 2 of JB3R)

- Work completed, contract closed.

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

- Completed 20" bypass piping at three valve vaults.
- Completed electrical panels and equipment at MBR valve vaults and installing electrical and communication cables.
- Completed metal wall panels at Control Building.
- Continue installing ribbon-curb and roadway flexbase around MBR site.
- Seeding with Bermuda grass on reservoir slopes.

JB3 (250mgd Pump Station expandable to 350mgd)

- Raw Water Pump Miscellaneous Equipment installation trim out by Manufacturers Field Technician.
- VFD's have been commissioned by Siemens.
- Communication cables between JB3 PLC and VFD's are operational.
- Ball Valves and Discharge Header Gate Valves have been commissioned.
- Initial Controls testing JB3 PLC to PCV PLC and VFD PLC started.
- Continued installation of YP-3 to connect reservoir 2 outlet.
- Continued installation of Roadway A.

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

- Continued installation of Cable Mat and ROW fences and gates
- Continued to install permanent asphalt access drives
- Completed electrical installation at the gate valve vault site.
- Placed erosion prevention blankets at Waxahachie Creek
- Began replacing reference electrodes

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

- Completing correction of punch list items is in progress.
- Completing sprinkler and landscaping installation.

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

- Continue to clean up ROW, install fences and gates and cable mats.
- Continue installing CP test stations.
- Completed repairs of damaged haul roads and continued installing permanent access drives.
- Continued touch up painting of all ARV and Blowoff valves, and grouting inside of vaults.

PL17TUN (Trinity River Tunnel on Pipeline Section 17)

- Installed 300' of 108" pipe at Henderson county open cut.
- Received Parsons' Supplemental GBR for review.
- Cellular grout being placed in east bound tunnel.

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

- Continued assembling the shoring system for top deck installation.
- Completed concrete for the second level of slab on the south wingwall, five walls and buttresses for wingwalls, and approach slab in front of intake structure.
- Drilled piers for the north and south third levels of the wingwalls.

JCC1HV (High Voltage Substation for the JCC1 Pump Station at Cedar Creek)

- Completed drilling all of the piers for the substation and the secondary placements with the anchor bolts for structural steel installation.
- Placed concrete for one slab for the gas circuit breaker.
- Began backfilling and preparing subgrade for transformer pads and containment areas.

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

- Moved equipment to JB4 to install the remaining 5 joints of pipe and BFV
- Placed concrete for driveways on Eden Rd, Cagle Crow Rd, Dick Price Rd., Gibson Cemetery Rd. and Parcel 125
- Continued welding and wiping joints inside pipe
- Fine grading and pushing topsoil throughout the ROW
- Installing parallel culvert pipes with SET's ahead of the driveway paving crew

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

- Installed 1850' of 108" pipe, in both Henderson county and Navarro county.
- Installing anodes and cathodic protection in Henderson County
- All 108" pipe has been delivered for this contract.

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

- Completed installation of all electrical conduits under the floor slab.
- Completed placing concrete for the floor slab.
- Grouting and rubbing pipe chase walls.
- Installed 7 joints of 84" pipe from the tie-in at Section 10.

OFE03 (Owner-Furnished 108" Gate Valves)

- GV#5 continues being factory tested.

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)

- Pentair and Siemens Field Service Technicians on-site for installation assistance.

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

- Valves are in production.

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

- No additional factory witness testing this month.

OFE11 (Owner-Furnished 108" Gate Valve)

- Approved submittals received from Blackhall.



S1X10 Electrical and Communication conduit stub-ups in Electrical Room

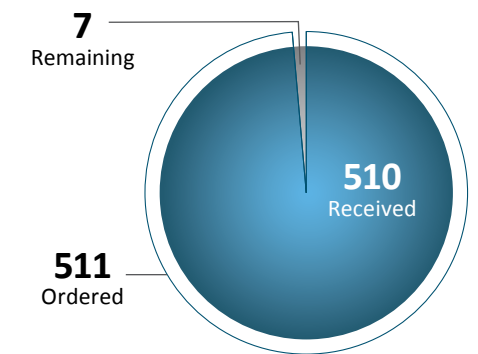


PL152 ROW Access Drive from FM 984C 20180331.jpg

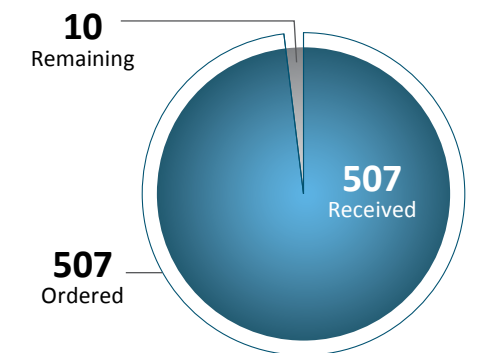
ACTIVITY STATUS

through 03.31.18

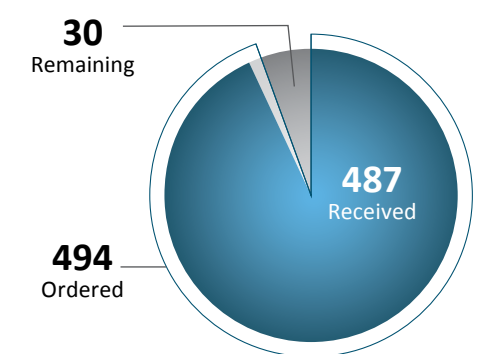
TITLE COMMITMENTS



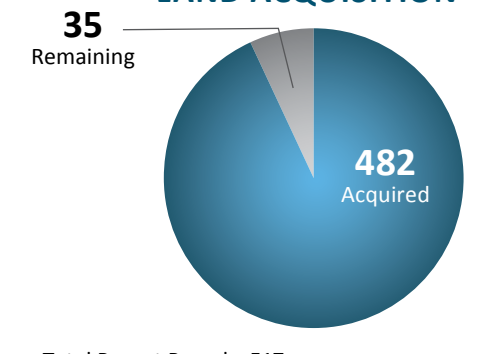
SURVEYS



APPRAISALS



LAND ACQUISITION



Total Parent Parcels: 517

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 02.28.18

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		\$20,178,105	23%	\$19,672,701	97%	\$84,738,891	95%
Program Management		\$6,636,687	19%	\$6,636,687	100%	\$35,124,711	100%
Conceptual Design / Environmental / Permitting		\$2,700,278	20%	\$2,825,410	105%	\$13,225,536	98%
Value Engineering		\$23,178	5%	\$23,178	100%	\$472,248	100%
Surveying and Mapping		\$3,939,403	33%	\$3,831,616	97%	\$10,519,602	89%
Geotechnical		\$3,638,078	29%	\$3,545,033	97%	\$12,191,092	99%
Corrosion Engineering Services		\$1,053,764	20%	\$761,434	72%	\$4,178,425	78%
Land, Easement Acquisition, & Support		\$1,294,837	37%	\$1,524,768	118%	\$3,424,068	99%
Studies		\$41,717	1%	\$41,717	100%	\$3,587,584	92%
SCADA System		\$384,444	25%	\$33,205	9%	\$547,016	36%
Microwave System		\$465,719	31%	\$449,653	97%	\$1,468,609	96%
DESIGN		\$34,772,306	26%	\$31,436,104	90%	\$117,325,803	88%
Completed		\$26,558,396	27%	\$26,242,349	99%	\$95,706,397	98%
Active		\$8,213,910	23%	\$5,193,754	63%	\$21,619,406	61%
CH2M Hill (Ops Manual)	NDM	\$1,034,447	16%	\$486,259	47%	\$2,909,507	46%
CH2M Hill (JCC1)	JQ, Gupta, APM, HVJ, XENCO	\$721,484	25%	\$642,459	89%	\$1,924,723	67%
MWH	Garzabury, Kevin Sloan	\$226,705	28%	\$136,372	60%	\$535,921	66%
Black & Veatch	BDS, CAS, JQ, TME	\$2,425,530	25%	\$2,583,711	107%	\$9,680,582	100%
Parsons	Criado, EPB, HVJ	\$144,845	25%	\$112,357	78%	\$681,545	118%
Brown & Gay	AZB, TME, Lamb-Star, NDM	\$1,750,930	25%	\$477,623	27%	\$1,881,534	27%
HDR	AZB, Daltech, Word Wizards, Gupta	\$1,747,469	25%	\$639,501	37%	\$3,163,053	45%
Burns & McDonnell Trans. Mgmt.	Lamb-Star Engineering	\$162,500	18%	\$115,472	71%	\$842,540	93%
Remaining		\$0	0%	\$0	0	\$0	0%
CONSTRUCTION ADMINISTRATION		\$4,533,900	24%	\$2,706,903	60%	\$11,888,060	64%
CONSTRUCTION / OWNER FURNISHED EQUIPMENT		\$83,307,446	13%	\$90,337,015	108%	\$533,833,953	83%
Completed		\$4,217,818	21%	\$4,091,050	97%	\$20,377,238	99%
Active		\$79,089,629	23%	\$86,245,965	109%	\$513,456,716	83%
Pipeline Section 15-1		\$9,418,137	28%	\$6,649,736	71%	\$93,461,134	99%
Garney Construction	Danridge, SYB, Ricochet, Glenko, Carrasco, Cowboy, Gorrondona, Custom Fence, LKT, Astro Johnny, Pam, Father & Son, Bowden's Erosion	\$9,418,137	28%	\$6,649,736	71%	\$93,461,134	99%
JB3		\$15,183,737	26%	\$11,311,770	74%	\$61,581,347	82%
MWH Constructors	Statewide, Cowboy, TX Enviro, Champion, Ram Tool, Rent-a-Fence, Soto Steel, A-Star, Ike, Greystone, LKT, Accurate, Green Scaping	\$13,733,817	27%	\$9,861,850	72%	\$48,956,733	85%
Oncor Electric		\$1,449,920	3%	\$1,449,920	100%	\$4,864,888	8%
Isolux Corsan	Dyna Grid	\$0	0%	\$0	0%	\$923,119	96%
RE Monks		\$0	0%	\$0	0%	\$383,653	8%
Pentair Flow Technologies		\$0	0%	\$0	0%	\$6,452,954	57%

M/WBE PARTICIPATION

as of 02.28.18

CONTRACT DESIGN AND CONSTRUCTION	M/WBE & HUB SUB-CONTRACTORS	CONTRACT COMMITMENT		M/WBE HUB INVOICED TO DATE		TOTAL PROJECT COMPLETED TO DATE	
		\$	%	\$	% (PER COMMITMENT)	\$	%
Pipeline Section 12/13/MBR/JB4 Bypass		\$22,084,670	24%	\$22,022,179	100%	\$149,586,611	97%
Thalle Midlothian	LKT, Statewide, Granados, Desert Steel, E TTL, Glenko, A.N.A., Edwards, Buzz, Bradley-Douglas, Pinnacle	\$21,237,366	27%	\$16,416,932	77%	\$139,500,126	97%
BAR Constructors	Fraire's, DFW Aggregates, Ricochet, MMG, LKT, Brock, Garland Heating & Air, Texas Metal, Buzz, Rangel	\$847,304	8%	\$5,605,247	662%	\$9,962,256	94%
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		\$4,152,112	15%	\$20,525,519	494%	\$50,287,777	94%
BAR Constructors	Ricochet, Fraire's, DFW Aggregates, Brock, Tidy Toilets, KDAT, Juan Cantu, Buyer's, RAM, Rangel, LKT, Greenscaping, Environmental Safety	\$4,152,112	15%	\$20,525,519	494%	\$50,287,777	94%
Pipeline Section 14		\$6,085,532	22%	\$6,892,059	113%	\$45,493,684	94%
Garney Construction	AEA, Gorrondona, JC Welding, LKT, Statewide, Bowdens	\$6,085,532	22%	\$6,892,059	113%	\$45,493,684	94%
Pipeline Section 17		\$12,021,917	24%	\$2,213,536	18%	\$47,948,234	61%
IPL Partners	LKT, Industry Junction, Eagle Aggregate, Suncoast Res, ATS Drilling, RECS, ANA, Alliance, Ram, JC Welding, Luis Moreno	\$6,638,370	24%	\$1,665,495	25%	\$18,419,727	56%
Thalle Midlothian	Fleet Lube, Rambo Controls, AE Trucking, MKI Construction, Stome Water Management, Industry Junction, Ortega Land Clearing	\$5,383,547	25%	\$548,040	10%	\$29,528,507	65%
JCC1		\$3,008,511	11%	\$10,866,604	361%	\$12,500,299	29%
BAR Constructors	Industry Junction, K&A Steel, Ricochet Fuel, Ricochet Fuel, Tidy Toilets, Buzz Custom Fence	\$1,009,771	6%	\$10,823,793	1072%	\$11,739,356	59%
Ebara		\$0	0%	\$0	0%	\$603,745	11%
Lambda Construction	High Voltage	\$1,998,740	37%	\$42,811	2%	\$157,198	3%
Oncor Electric		\$0	0%	\$0	0%	\$0	0%
Pipeline Section 10/11		\$7,135,012	20%	\$5,764,561	81%	\$41,545,231	73%
IPL Partners	LKT, Industry Junction, Eagle Aggregate, Suncoast Res, ATS Drilling, RECS, ANA, Alliance, Ram, JC Welding, Luis Moreno	\$5,708,755	24%	\$2,602,905	46%	\$38,366,122	88%
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	\$1,426,257	11%	\$3,161,657	222%	\$3,161,657	23%
Valve Packages		\$0	0%	\$0	0%	\$11,052,398	77%
CONSTRUCTION MANAGEMENT		\$18,613,185	41%	\$13,353,845	72%	\$32,952,292	73%
Completed		\$5,928,804	38%	\$6,109,327	103%	\$16,228,204	103%
Active		\$12,684,381	43%	\$7,244,518	57%	\$16,724,088	56%
CONSTRUCTION MATERIALS TESTING		\$7,226,826	60%	\$3,426,981	47%	\$6,749,425	56%
Completed		\$219,036	97%	\$219,036	100%	\$225,132	100%
Active		\$7,007,790	59%	\$3,207,945	46%	\$6,524,293	55%
ROCIP		\$1,499,307	6%	\$308,121	21%	\$18,867,922	81%
TOTAL		\$170,131,074	25%	\$161,241,670	95%	\$806,356,346	84%
LAND COST		\$0	0%	\$61,892	0%	\$62,565,355	268%
MISCELLANEOUS		\$0	0%	\$0	0%	\$2,253,758	4%
GRAND TOTAL		\$170,131,074	25%*	\$161,303,562	95%	\$871,175,460	85%

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

M/WBE/HUB Invoiced	\$161,303,562
Grand Total Invoiced	\$871,175,460
* Exclusions Invoiced	\$263,909,688
MWBE %	26.56%

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

