



INTEGRATED PIPELINE PROJECT

MONTHLY EXECUTIVE SUMMARY

January 2016



S2X12 Factory
inspection of
Monolithic
Isolation Joint in
Gliwice, Poland

IPL PROGRAM MANAGEMENT

Tarrant Regional Water District
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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 1.31.16

| CONTRACT DESIGN AND CONSTRUCTION | DESCRIPTION | BUDGET | CONTRACTS ISSUED | TOTAL INVOICED |
|--|--|-----------------|------------------|----------------|
| PROGRAM WIDE PROFESSIONAL SERVICES | | \$133,061,000 | \$87,879,977 | \$81,905,341 |
| 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 | \$12,698,715 |
| 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 | \$10,228,294 |
| Geotechnical | Initial Characterization of entire IPL Project | \$12,037,000 | \$12,026,245 | \$11,798,959 |
| Corrosion Engineering Services | Engineering Corrosion Control | \$3,891,000 | \$4,885,562 | \$3,599,748 |
| Land, Easement Acquisition, & Support | Right of Entry and Land Acquisition Support Services | \$33,993,000 | \$3,464,526 | \$3,118,885 |
| Studies | | \$3,500,000 | \$3,545,243 | \$3,277,569 |
| SCADA System | Engineering of SCADA system | \$640,000 | \$1,508,213 | \$117,601 |
| Microwave System | Engineering of Communications System | \$5,210,000 | \$1,522,785 | \$1,468,609 |
| DESIGN | | \$152,839,000 | \$126,622,303 | \$106,664,678 |
| Completed | | \$87,444,000 | \$82,747,300 | \$81,511,476 |
| Active | | \$38,937,000 | \$43,258,715 | \$25,153,203 |
| CH2M Hill | Project Operational Information and Operations Manual | | \$3,044,922 | \$596,568 |
| CH2M Hill | Final Design of Lake Pump Stations | \$15,443,000 | \$14,653,361 | \$13,640,469 |
| CH2M Hill | Final Conformance of Design of JCC1 | \$728,000 | \$477,859 | \$203,757 |
| MWH | Final Conformance of Design of Section 9/10/11 | \$506,000 | \$524,313 | \$287,318 |
| Black & Veatch | Final Design of Section 12/13/14 - 28.1 miles of 84 - inch and 108 - inch pipeline | \$11,292,000 | \$9,704,622 | \$9,663,410 |
| Parsons | Final Conformance of Design of Section 17 Tunnel | \$166,000 | \$244,204 | \$9,046 |
| Brown & Gay | Final Design of Section 19-1 | \$5,770,000 | \$7,003,722 | \$74,267 |
| HDR | Final Design of Section 19-2 | \$5,030,000 | \$6,989,876 | \$145,124 |
| Burns & McDonnell Trans. Mgmt. | Development of Transportation Management Plan | | \$615,836 | \$533,243 |
| Remaining | | \$26,458,000 | \$616,288 | |
| CONSTRUCTION ADMINISTRATION | | \$48,877,000 | \$13,203,094 | \$4,299,210 |
| CONSTRUCTION / OWNER FURNISHED EQUIPMENT | | \$1,729,540,000 | \$451,445,379 | \$226,052,074 |
| Completed | | \$3,700,000 | \$3,860,755 | \$3,644,051 |
| Active | | \$616,879,000 | \$447,584,624 | \$222,408,023 |
| Pipeline Section 15-1 | | \$115,112,000 | \$93,517,546 | \$91,449,525 |
| Garney Construction | Construction of Section 15-1 | \$115,112,000 | \$93,517,546 | \$91,449,525 |
| JB3 | | \$99,592,000 | \$85,280,597 | \$22,410,764 |
| MWH Constructors | Construction of JB3 Pump Station | \$51,473,000 | \$56,808,072 | \$9,556,962 |
| ASI Constructors | Construction of JB3 Reservoir | \$16,579,000 | \$11,669,898 | \$11,669,898 |
| Oncor Electric | Installation of JB3 Substation Transmission Lines | \$1,066,000 | \$957,119 | \$923,119 |
| Isolux Corsan | Construction of JB3 Substation | \$7,400,000 | \$4,921,283 | |
| Pentair Flow Technologies | Construction of JB3 Pumps, Motors, Drives | \$23,074,000 | \$10,924,225 | |

PROGRAM SUPPORT SERVICES

as of 1.31.16

| CONTRACT DESIGN AND CONSTRUCTION | DESCRIPTION | BUDGET | CONTRACTS ISSUED | TOTAL INVOICED |
|---------------------------------------|---|-----------------|------------------|----------------|
| Pipeline Section 12/13/MBR/JB4 Bypass | | \$167,993,000 | \$153,626,237 | \$82,499,415 |
| Thalle Midlothian | Construction of Sections 12/13/MBR/JB4 Bypass | \$146,310,000 | \$142,985,837 | \$81,291,484 |
| BAR Constructors | Construction of Richland-Chambers/Cedar Creek Interconnection Facility | \$21,682,000 | \$10,552,400 | \$1,207,931 |
| Hilco Electric | Relocation of Electrical Service Lines | | \$88,000 | |
| Microwave System | | \$6,398,000 | \$4,492,310 | \$2,296,904 |
| Huffman Communications | Construction of Microwave Towers | \$6,398,000 | \$4,492,310 | \$2,296,904 |
| Pipeline Section 15-2 | | \$97,217,000 | \$51,979,390 | \$21,895,929 |
| BAR Constructors | Construction of Section 15-2 | \$97,217,000 | \$51,979,390 | \$21,895,929 |
| Pipeline Section 14 | | \$107,113,000 | \$48,107,931 | |
| Garney Construction | Construction of Section 14 | \$107,113,000 | \$48,107,931 | |
| Valve Packages | | \$23,455,000 | \$10,580,613 | \$1,855,485 |
| Garney Construction | Valve Package 1 - Section 15-1 Butterfly Valves | \$518,000 | \$262,244 | |
| 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 | \$5,834,139 | \$838,485 |
| Crispin Valves | Valve Package 4 - Section 12 RC/CC Interconnection, JB4 Bypass, MBR Yard Butterfly Valves | \$3,999,000 | \$1,999,740 | |
| Crispin Valves | Valve Package 5 - JB3 Butterfly Valves | \$1,249,000 | \$1,224,944 | |
| Ross Valves | Valve Package 6 - Section 12 RC/CC Interconnection Multi-Orifice Valves | \$715,000 | \$526,340 | \$352,005 |
| Remaining | | \$1,108,960,000 | | |
| CONSTRUCTION MANAGEMENT | | \$65,169,000 | \$25,454,844 | \$13,154,391 |
| Program-Wide Construction Management | | | \$25,404,352 | \$13,103,899 |
| Pipeline Section 15 (Garney) | | \$139,000 | \$50,492 | \$50,492 |
| CONSTRUCTION MATERIALS TESTING | | \$17,295,000 | \$9,326,261 | \$1,815,704 |
| Pipeline Section 15-1 | | \$1,198,000 | \$1,160,255 | \$741,241 |
| JB3 | | \$741,000 | \$1,056,751 | \$300,066 |
| Pipeline Section 12/13/MBR | | \$1,734,000 | \$2,115,410 | \$670,002 |
| Microwave System | | \$64,000 | \$48,899 | \$31,808 |
| Pipeline Section 15-2 | | \$983,000 | \$1,171,139 | \$72,587 |
| Pipeline Section 14 | | \$1,158,903 | \$650,000 | \$0 |
| Program-Wide | | | \$3,123,808 | |
| ROCIP | | \$2,575,000 | \$32,875,390 | \$13,027,535 |
| Willis of Texas | ROCIP Broker Admin / Insurance Premium | \$2,575,000 | \$18,258,571 | \$9,950,811 |
| Old Republic | Security Obligations | | \$14,616,819 | \$3,076,723 |
| LAND COST | | \$107,384,000 | \$40,761,154 | \$40,761,154 |
| PROGRAM LEVEL CONTINGENCY | | \$83,178,000 | | |
| MISCELLANEOUS | | \$2,000,000 | \$1,527,650 | \$1,527,650 |
| GRAND TOTAL | | \$2,341,918,000 | \$789,096,052 | \$489,207,737 |
| REMAINING BOND FUNDS | | | | \$760,792,263 |

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

ACCOMPLISHMENTS

through 02.29.16

PL151 (Pipeline Section 15.1 including the Richland-Chambers Pipeline Interconnect Facility)

- Completing electrical, instrumentation and control wiring at RC Interconnect
- Preparing to fill pipeline for hydrostatic pressure testing
- Preparing ROW for permanent grassing

JB3R (Pump Suction Reservoir for the JB3 Pump Station)

- Final grassing is scheduled for late March. Project is complete except for acceptance of final grassing

PL1213MBR (Pipeline Sections 12 and 13 combined with the Midlothian Balancing Reservoir)

- Continue placing and compacting embankment fill at MBR Cells 1 and 2
- Continue structural concrete encasement of Cell 3 outlet and pipe encasement
- Installed pipe in the 215' Mountain Creek Tunnel
- Installed 2,500 linear feet of 108" pipe in ROW

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

- Installed Radio Building at JB3 site and completed security fencing at JB4 (future pump station).
- Third-party inspections of new towers and existing tower modifications were performed

JB3 (250mgd Pump Station expandable to 350mgd)

- Completed lower level pump station walls and backfilling with flowable fill
- Resume electrical and instrumentation ductbank installation

PL152 (Pipeline Section 15.2 that feeds the JB3 Reservoir)

- Installed 3,500+ linear feet of 108" pipe
- Continue tunnel at SH34 and completed tunnel at Waxahachie Creek
- Installed pipe in tunnels FM984D and FM985
- Continue clearing ROW and taking pipe and embedment deliveries

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

- Completed new interconnect 90" pipe tee installations into existing RC Pipeline ahead of schedule during RC shutdown
- Began forming grade beams and installing drain lines for Interconnect Facility

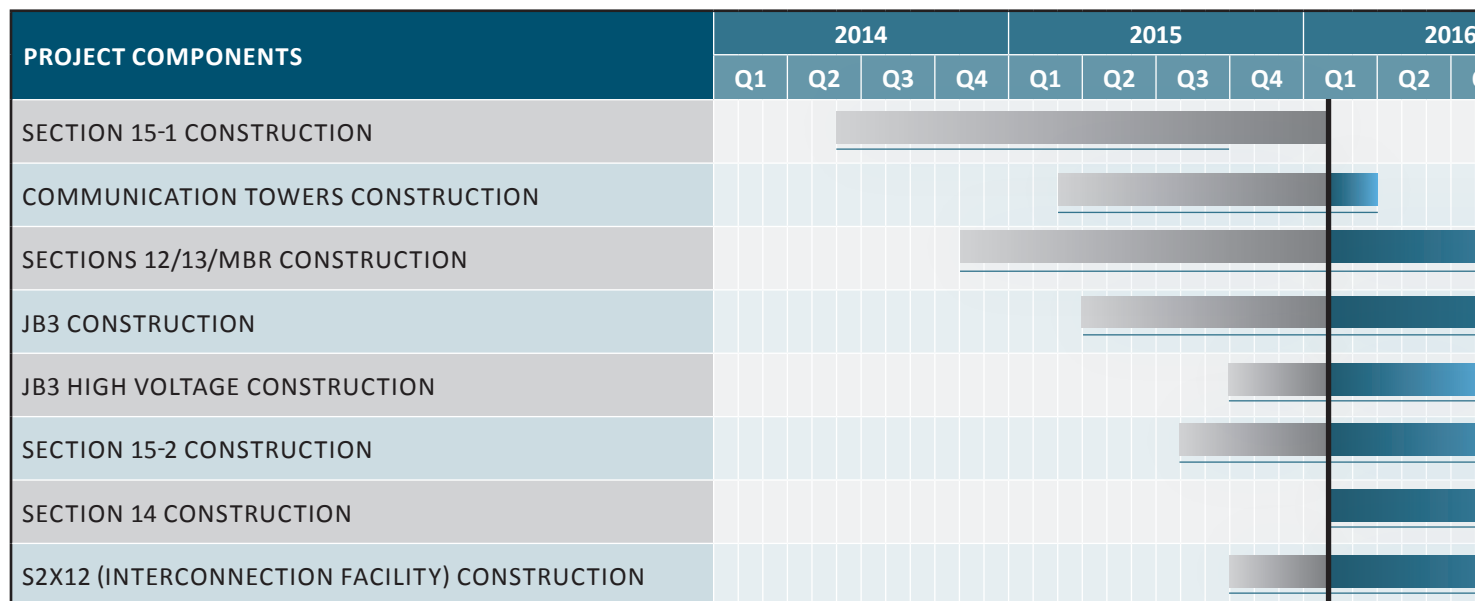
JB3HV (High Voltage Substation for the JB3 Pump Station and Data Center)

- Drilling foundation piers for sub-station structural steel, electrical equipment supports
- Continue submittal processing for long lead time equipment

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

- Began clearing ROW, installing silt fence for erosion control and installing temporary fences and gates
- Began tunnel shaft for IH35/US77 tunnel
- Pipe and tunnel submittals are being processed to begin pipe fabrication

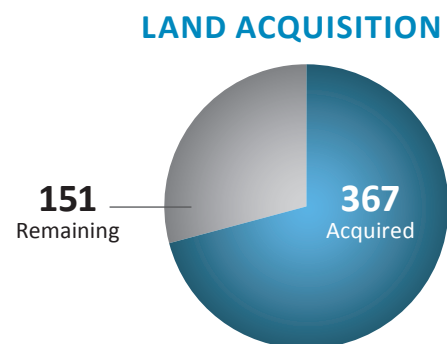
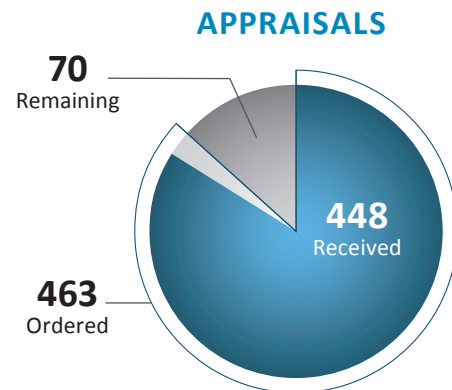
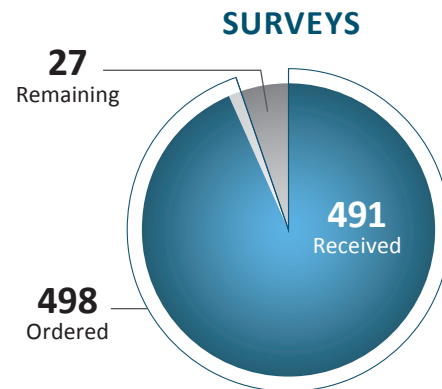
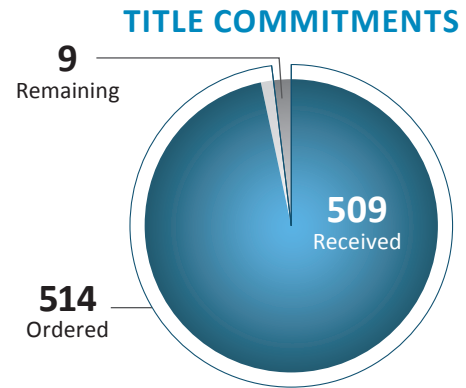
PROJECT SCHEDULE



ACTIVITY STATUS



JB3 Factory inspection of pump bottom casting in Cincinnati, Ohio



Total Parent Parcels: 518



PL1213MBR Compaction of granular embedment on 108-inch pipe

[illegible]

M/WBE PARTICIPATION

as of 1.31.16

| 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 | | \$19,800,463 | 23% | \$19,329,647 | 98% | \$81,905,341 | 93% |
| Program Management | | \$6,828,350 | 19% | \$6,636,687 | 97% | \$35,124,711 | 100% |
| Conceptual Design / Environmental / Permitting | | \$2,700,278 | 20% | \$2,701,505 | 100% | \$12,698,715 | 94% |
| Value Engineering | | \$0 | 0% | \$23,178 | 100% | \$472,248 | 100% |
| Surveying and Mapping | | \$3,548,416 | 30% | \$3,779,502 | 107% | \$10,228,294 | 86% |
| Geotechnical | | \$3,572,334 | 30% | \$3,518,305 | 98% | \$11,798,959 | 98% |
| Corrosion Engineering Services | | \$1,053,764 | 22% | \$761,434 | 72% | \$3,599,748 | 74% |
| Land, Easement Acquisition, & Support | | \$1,201,457 | 35% | \$1,417,664 | 118% | \$3,118,885 | 90% |
| Studies | | \$41,717 | 1% | \$41,717 | 100% | \$3,277,569 | 92% |
| SCADA System | | \$384,444 | 25% | \$0 | 0% | \$117,601 | 8% |
| Microwave System | | \$469,702 | 31% | \$449,654 | 96% | \$1,468,609 | 96% |
| DESIGN | | \$33,913,027 | 27% | \$28,765,530 | 85% | \$106,377,643 | 84% |
| Completed | | \$23,185,089 | 28% | \$22,651,902 | 98% | \$81,511,080 | 99% |
| Active | | \$10,727,939 | 25% | \$6,113,628 | 57% | \$24,866,563 | 57% |
| CH2M Hill (Ops Manual) | NDM | \$479,674 | 16% | \$107,042 | 22% | \$445,411 | 15% |
| CH2M Hill | JQ, Gupta, APM, HVJ, XENCO | \$3,777,636 | 26% | \$3,328,779 | 88% | \$13,640,469 | 93% |
| CH2M Hill (JCC1) | JQ, Gupta, APM, HVJ, XENCO | \$123,192 | 26% | \$10,884 | 9% | \$107,243 | 22% |
| MWH | Garzabury, Kevin Sloan | \$226,705 | 28% | \$0 | 0% | \$305,475 | 38% |
| Black & Veatch | BDS, CAS, JQ, TME | \$2,426,281 | 25% | \$2,577,758 | 108% | \$9,681,556 | 100% |
| Parsons | Criado, EPB, HVJ | \$61,051 | 25% | \$0 | 0% | \$9,046 | 4% |
| Brown & Gay | AZB, TME, Lamb-Star, NDM | \$1,750,930 | 25% | \$586 | 0% | \$57,430 | 1% |
| HDR | AZB, Daltech, Word Wizards, Gupta | \$1,747,469 | 25% | \$0 | 0% | \$86,689 | 1% |
| Burns & McDonnell Trans. Mgmt. | Lamb-Star Engineering | \$135,000 | 22% | \$88,578 | 66% | \$533,243 | 87% |
| Remaining | | \$0 | 0% | \$0 | 0% | \$0 | 0% |
| CONSTRUCTION ADMINISTRATION | | \$3,347,398 | 25% | \$1,032,651 | 31% | \$4,299,210 | 33% |
| CONSTRUCTION / OWNER FURNISHED EQUIPMENT | | \$60,652,397 | 23%* | \$22,474,672 | 37% | \$226,052,074 | 50% |
| Completed | | \$1,354,402 | 35% | \$1,354,402 | 100% | \$3,644,051 | 94% |
| Active | | \$59,297,995 | 23%* | \$21,120,270 | 36% | \$222,408,023 | 50% |
| Pipeline Section 15-1 | | \$9,415,226 | 29%* | \$6,311,815 | 67% | \$91,449,525 | 98% |
| Garney Construction | Danridge, SYB, Ricochet, Glenko, Carrasco, Cowboy, Gorrondona, Custom Fence, LKT, Astro Johnny, Pam, Father & Son, Bowden's Erosion | \$9,415,226 | 29%* | \$6,311,815 | 67% | \$91,449,525 | 98% |
| JB3 | | \$16,474,218 | 21%* | \$2,263,681 | 14% | \$20,389,051 | 24% |
| 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%* | \$781,594 | 6% | \$9,556,962 | 17% |
| ASI Constructors | Champion Fuel, Desert Steel, Green Scaping | \$1,417,833 | 13%* | \$1,525,477 | 108% | \$11,669,898 | 100% |

M/WBE PARTICIPATION

as of 1.31.16

| CONTRACT DESIGN AND CONSTRUCTION | M/WBE & HUB SUB-CONTRACTORS | CONTRACT COMMITMENT | | M/WBE HUB INVOICED TO DATE | | TOTAL PROJECT COMPLETED TO DATE | |
|---------------------------------------|--|---------------------|------|------------------------------|--------------------|---------------------------------|------|
| | | \$ | % | \$ | % (PER COMMITMENT) | \$ | % |
| Isolux Corsan | Dyna Grid | \$1,476,385 | 30%* | \$10,894 | 1% | \$260,785 | 5% |
| Oncor Electric | | \$0 | 0% | \$0 | 0% | \$923,119 | 96% |
| Pipeline Section 12/13/MBR/JB4 Bypass | | \$22,054,002 | 24%* | \$7,861,389 | 36% | \$82,499,415 | 54% |
| Thalle Midlothian | LKT, Statewide, Granados, Desert Steel, ETTL, Glenko, A.N.A., Edwards, Buzz, Bradley-Douglas, Pinnacle | \$21,209,810 | 27%* | \$6,821,962 | 32% | \$81,291,484 | 57% |
| BAR Constructors | Fraire's, DFW Aggregates, Ricochet, MMG, LKT, Brock, Garland Heating & Air, Texas Metal, Buzz, Rangel | \$844,192 | 8% | \$1,039,427 | 123% | \$1,207,931 | 11% |
| Hilco Electric | | \$0 | 0% | \$0 | 0% | \$0 | 0% |
| Microwave System | | \$1,162,817 | 26% | \$760,669 | 65% | \$2,296,904 | 51% |
| Huffman Communications | Ricochet, Edwards, Chaffin Tower | \$1,162,817 | 26% | \$760,669 | 65% | \$2,296,904 | 51% |
| Pipeline Section 15-2 | | \$4,122,200 | 16%* | \$3,868,433 | 94% | \$21,895,929 | 42% |
| BAR Constructors | Ricochet, Fraire's, DFW Aggregates, Brock, Tidy Toilets, KDAT, Juan Cantu, Buyer's, RAM, Rangel, LKT, Greenscaping, Environmental Safety | \$4,122,200 | 16% | \$3,868,433 | 94% | \$21,895,929 | 42% |
| Pipeline Section 14 | | \$6,069,533 | 22%* | \$0 | 0% | \$0 | 0% |
| Garney Construction | AEA, Gorrondona, JC Welding, LKT, Statewide, Bowdens | \$6,069,533 | 22% | \$0 | 0% | \$0 | 0% |
| Valve Packages | | \$0 | 0% | \$0 | 0% | \$1,855,485 | 18% |
| CONSTRUCTION MANAGEMENT | | \$12,402,474 | 49% | \$5,153,962 | 42% | \$13,154,391 | 52% |
| Program-Wide Construction Management | | \$12,402,474 | 49% | \$5,153,962 | 42% | \$13,103,899 | 52% |
| Pipeline Section 15 (Garney) | | \$0 | 0% | \$0 | 0% | \$50,492 | 100% |
| CONSTRUCTION MATERIALS TESTING | | \$4,647,038 | 50% | \$829,932 | 18% | \$1,815,704 | 19% |
| Pipeline Section 15-1 | | \$348,046 | 30% | \$248,110 | 71% | \$741,241 | 64% |
| JB3 | | \$544,990 | 52% | \$235,996 | 43% | \$300,066 | 28% |
| Pipeline Section 12/13/MBR | | \$467,603 | 22% | \$273,239 | 58% | \$670,002 | 32% |
| Microwave System | | \$0 | 0% | \$0 | 0% | \$31,808 | 65% |
| Pipeline Section 15-2 | | \$1,171,139 | 100% | \$72,587 | 6% | \$72,587 | 6% |
| Pipeline Section 14 | | \$0 | 0% | \$0 | 0% | \$0 | 0% |
| Program-Wide | | \$2,115,260 | 68% | \$0 | 0% | \$0 | 0% |
| ROCI | | \$1,499,307 | 5% | \$159,139 | 11% | \$13,027,535 | 40% |
| Willis of Texas | | \$1,499,307 | 8% | \$159,139 | 11% | \$9,950,811 | 54% |
| Old Republic | | \$0 | 0% | \$0 | 0% | \$3,076,723 | 21% |
| TOTAL | | \$136,262,105 | 24%* | \$77,802,652 | 57% | \$446,918,933 | 60% |
| LAND COST | | | | | | \$40,761,154 | 38% |
| MISCELLANEOUS | | | | | | \$1,527,650 | |
| GRAND TOTAL | | \$136,262,105 | 24%* | \$77,802,652 | 57% | \$489,207,737 | 62% |

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

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 |
| 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 |

