



INTEGRATED PIPELINE PROJECT

MONTHLY EXECUTIVE SUMMARY

July 2016



PL151 Installing 78-inch Butterfly Valve that connects RC Pipeline to Section 15-1

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 07.31.16

| CONTRACT DESIGN AND CONSTRUCTION | DESCRIPTION | BUDGET | CONTRACTS ISSUED | TOTAL INVOICED |
|---|--|------------------------|----------------------|----------------------|
| PROGRAM WIDE PROFESSIONAL SERVICES | | \$133,061,000 | \$88,105,307 | \$82,668,239 |
| 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 | \$12,840,990 |
| 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 | \$10,348,915 |
| Geotechnical | Initial Characterization of entire IPL Project | \$12,037,000 | \$12,026,275 | \$11,798,959 |
| Corrosion Engineering Services | Engineering Corrosion Control | \$3,891,000 | \$5,072,362 | \$3,754,371 |
| Land, Easement Acquisition, & Support | Right of Entry and Land Acquisition Support Services | \$33,993,000 | \$3,464,526 | \$3,296,254 |
| Studies | | \$3,500,000 | \$3,583,743 | \$3,402,626 |
| SCADA System | Engineering of SCADA system | \$640,000 | \$1,508,213 | \$160,554 |
| Microwave System | Engineering of Communications System | \$5,210,000 | \$1,522,785 | \$1,468,609 |
| DESIGN | | \$152,839,000 | \$128,231,192 | \$110,312,990 |
| Completed | | \$101,901,000 | \$96,376,989 | \$95,153,466 |
| Active | | \$24,159,000 | \$31,315,787 | \$15,159,524 |
| CH2M Hill | Project Operational Information and Operations Manual | | \$3,044,922 | \$1,486,486 |
| CH2M Hill | Final Conformance of Design of JCC1 | \$728,000 | \$2,563,376 | \$480,094 |
| MWH | Final Conformance of Design of Section 9/10/11 | \$506,000 | \$524,313 | \$527,645 |
| 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 | \$9,651,306 |
| Parsons | Final Conformance of Design of Sections 17/18/Tunnel | \$832,000 | \$579,753 | \$301,889 |
| Brown & Gay | Final Design of Section 19-1 | \$5,770,000 | \$7,003,722 | \$531,920 |
| HDR | Final Design of Section 19-2 | \$5,030,000 | \$6,989,876 | \$1,646,942 |
| Burns & McDonnell Trans. Mgmt. | Development of Transportation Management Plan | | \$905,203 | \$533,243 |
| Remaining | | \$24,778,000 | \$538,417 | |
| CONSTRUCTION ADMINISTRATION | | \$48,877,000 | \$17,801,451 | \$6,645,773 |
| CONSTRUCTION / OWNER FURNISHED EQUIPMENT | | \$1,729,540,000 | \$486,872,380 | \$310,380,600 |
| Completed | | \$3,700,000 | \$3,860,755 | \$3,644,051 |
| Active | | \$618,132,000 | \$483,011,625 | \$306,736,549 |
| Pipeline Section 15-1 | | \$115,112,000 | \$93,682,440 | \$92,286,252 |
| Garney Construction | Construction of Section 15-1 | \$115,112,000 | \$93,682,440 | \$92,286,252 |
| JB3 | | \$99,592,000 | \$85,376,536 | \$32,278,243 |
| MWH Constructors | Construction of JB3 Pump Station | \$51,473,000 | \$56,854,737 | \$15,185,494 |
| 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 | \$3,485,745 |
| Pentair Flow Technologies | Construction of JB3 Pumps, Motors, Drives | \$23,074,000 | \$10,973,499 | \$1,013,988 |

PROGRAM SUPPORT SERVICES

as of 07.31.16

| CONTRACT DESIGN AND CONSTRUCTION | DESCRIPTION | BUDGET | CONTRACTS ISSUED | TOTAL INVOICED |
|---------------------------------------|---|-----------------|------------------|----------------|
| Pipeline Section 12/13/MBR/JB4 Bypass | | \$167,993,000 | \$154,255,010 | \$111,608,430 |
| Thalle Midlothian | Construction of Sections 12/13/MBR/JB4 Bypass | \$146,310,000 | \$143,594,049 | \$107,170,805 |
| BAR Constructors | Construction of Richland-Chambers/Cedar Creek Interconnection Facility | \$21,682,000 | \$10,572,961 | \$4,437,624 |
| Hilco Electric | Relocation of Electrical Service Lines | | \$88,000 | |
| Microwave System | | \$6,398,000 | \$5,323,682 | \$3,250,158 |
| Huffman Communications | Construction of Microwave Towers | \$6,398,000 | \$5,323,682 | \$3,250,158 |
| Pipeline Section 15-2 | | \$97,217,000 | \$51,915,172 | \$37,734,230 |
| BAR Constructors | Construction of Section 15-2 | \$97,217,000 | \$51,915,172 | \$37,734,230 |
| Pipeline Section 14 | | \$107,113,000 | \$48,139,634 | \$25,716,602 |
| Garney Construction | Construction of Section 14 | \$107,113,000 | \$48,139,634 | \$25,716,602 |
| Pipeline Section 17 Tunnel | | \$12,252,000 | \$33,092,000 | \$0 |
| IPL Partners | Construction of Section 17 Tunnel | \$12,252,000 | \$33,092,000 | \$0 |
| Valve Packages | | \$12,455,000 | \$11,227,150 | \$3,862,634 |
| 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 | \$6,211,276 | \$2,110,111 |
| Crispin Valves | Valve Package 4 - Section 12 RC/CC Interconnection, JB4 Bypass, MBR Yard Butterfly Valves | \$0 | \$2,269,140 | \$352,962 |
| Crispin Valves | Valve Package 5 - JB3 Butterfly Valves | \$1,249,000 | \$1,224,944 | \$382,561 |
| Ross Valves | Valve Package 6 - Section 12 RC/CC Interconnection Multi-Orifice Valves | \$715,000 | \$526,340 | \$352,005 |
| Remaining | | \$1,107,708,000 | | |
| CONSTRUCTION MANAGEMENT | | \$65,169,000 | \$45,397,801 | \$17,453,235 |
| Completed | | \$15,777,000 | \$15,687,599 | \$15,687,599 |
| Active | | \$17,665,000 | \$29,710,201 | \$1,765,636 |
| Remaining | | \$31,728,000 | | |
| CONSTRUCTION MATERIALS TESTING | | \$17,295,000 | \$10,495,125 | \$2,770,144 |
| Completed | | \$203,000 | \$225,133 | \$225,132 |
| Active | | \$5,897,000 | \$10,269,992 | \$2,545,011 |
| Remaining | | \$11,196,000 | | |
| ROCIIP | | \$2,575,000 | \$32,876,613 | \$16,809,312 |
| LAND COST | | \$107,384,000 | \$46,374,709 | \$46,374,709 |
| PROGRAM LEVEL CONTINGENCY | | \$83,178,000 | | |
| MISCELLANEOUS | | \$2,000,000 | \$1,651,936 | \$1,651,936 |
| GRAND TOTAL | | \$2,341,918,000 | \$857,806,514 | \$595,066,939 |
| REMAINING BOND FUNDS | | | | \$654,933,061 |

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

ACCOMPLISHMENTS

through 08.31.16

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

- Installed 78" BFV on discharge side of S5X15 Interconnect.
- Installed fencing and gates on sections A & C.
- Installed temporary piping for filling PL151 for hydrostatic testing.

JB3R (Pump Suction Reservoir for the JB3 Pump Station)

- No work by contractor this month.

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

- Continue embankment fill for reservoir Cells 1, 2, and 3. Continue excavation for Cell 3 floor.
- Installing electrical, control and communication ductbanks at MBR.
- All pipe south of Mountain Creek is installed and JB4 Bypass pipe is installed.
- Began stripping topsoil on Section 12 and delivering pipe and aggregate along Section 12 ROW.
- Continue ROW grading and restoration and removal of excess spoil material.

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

- Performed inspections of JB3, JB4, S2X12, and JCC1 tower sites with design engineers.
- Received FCC license for towers at MBR and S5X15.

JB3 (250mgd Pump Station expandable to 350mgd)

- Completed pump pedestal concrete placements and Electrical Room floor slab.
- Continued installation of 108" YP-1 pump discharge yard piping.
- Continued installation of structural steel at Data Center building.

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

- Pipe crew #1 Installed 2,250' of 108" pipe to connection point at JB3; pipe crew #2 installed 450' of 108" pipe.
- Completed reinforced concrete encasement of pipe into and out of the Waxahachie Creek tunnel.
- Performed over-excavation and flowable fill backfill for foundation of 108" Gate Valve Vault.

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

- Installed precast wall panels at Interconnect Building.
- Continue electrical ductbank installations.
- Crushed, segregated and recycled materials from old pipe that was replaced.

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

- Completed installation of structural steel.
- Continue installing equipment and power/communication duct bank.
- Factory acceptance test of Control Building was completed.

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

- Installed 2,800' of 108" pipe and completed pre-trenching an additional 3,100'.
- Completed pipe installation in tunnels at FM1494.
- Continue tunneling at IH35 - 53% complete, and under Enterprise and Energy Transfer gas lines – 99% complete.
- Continue receiving 108" pipe deliveries and stockpiling embedment material.
- Continue installing manholes at air release and blow-off valve locations and installing cathodic protection test stations

PL17TUN (Trinity River Tunnel on Pipeline Section 17)

- Contract was awarded to IPL Partners and the first two pre-construction workshops were held.
- IPL Net site is operational and submittal reviews have begun.

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

- Received Board authorization to award the contract to BAR Constructors.

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

- Received and evaluated five proposals with recommendation to be presented at September Board meeting.

OFE03 (Owner-Furnished 108" Gate Valves)

- IPL reps witnessed ultrasonic testing of castings at Greenville, Pennsylvania and Calera, Alabama. Casting inspections are complete on three of the five valves.

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

- IPL reps observed factory witness testing of two 108-inch butterfly valves. Valves are for installation at MBR site.

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

- IPL reps performed factory inspection of pump bowl lining.

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

- Received Board authorization for award of contract to Crispin Valves of Berwick, Pennsylvania.

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

- Issued Request for Proposals for seven vertical turbine pumps, motors and variable frequency drives

PROJECT SCHEDULE

| PROJECT COMPONENTS | 2014 | | | | 2015 | | | | 2016 | |
|---|------|----|----|----|------|----|----|----|------|----|
| | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 |
| SECTION 15-1 CONSTRUCTION | | | | | | | | | | |
| COMMUNICATION TOWERS CONSTRUCTION | | | | | | | | | | |
| SECTIONS 12/13/MBR CONSTRUCTION | | | | | | | | | | |
| JB3 CONSTRUCTION | | | | | | | | | | |
| JB3 HIGH VOLTAGE CONSTRUCTION | | | | | | | | | | |
| SECTION 15-2 CONSTRUCTION | | | | | | | | | | |
| SECTION 14 CONSTRUCTION | | | | | | | | | | |
| S2X12 (INTERCONNECTION FACILITY) CONSTRUCTION | | | | | | | | | | |
| SECTION 17 TUNNEL | | | | | | | | | | |

ACTIVITY STATUS

as of 08.31.16

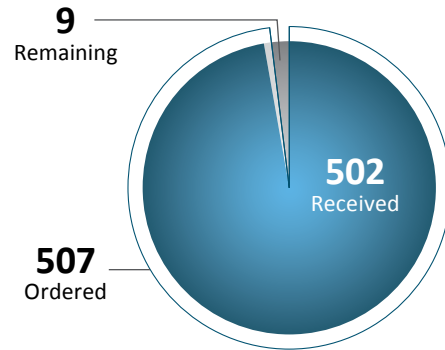


S2X12 Installing pre-cast wall panels at the S2X12 Interconnect facility

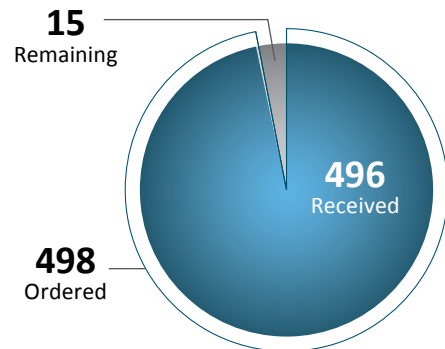


PL14 Installing pipe across Oak Branch Creek Tributary

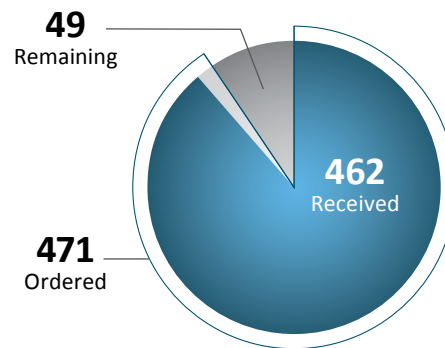
TITLE COMMITMENTS



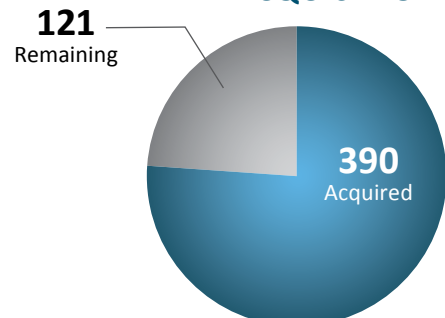
SURVEYS



APPRAISALS



LAND ACQUISITION



Total Parent Parcels: 511

| S | 2017 | | | | 2018 | | | | | |
|---|------|----|----|----|------|----|----|----|----|----|
| | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 |
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M/WBE PARTICIPATION

as of 07.31.16

| 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 | 22% | \$19,443,246 | 98% | \$82,668,239 | 94% |
| Program Management | | \$6,828,350 | 19% | \$6,636,687 | 97% | \$35,124,711 | 100% |
| Conceptual Design / Environmental / Permitting | | \$2,700,278 | 20% | \$2,732,998 | 101% | \$12,840,990 | 95% |
| Value Engineering | | \$0 | 0% | \$23,178 | 100% | \$472,248 | 100% |
| Surveying and Mapping | | \$3,548,416 | 30% | \$3,802,298 | 107% | \$10,348,915 | 87% |
| Geotechnical | | \$3,572,334 | 30% | \$3,518,305 | 98% | \$11,798,959 | 98% |
| Corrosion Engineering Services | | \$1,053,764 | 21% | \$761,434 | 72% | \$3,754,371 | 74% |
| Land, Easement Acquisition, & Support | | \$1,201,457 | 35% | \$1,476,614 | 123% | \$3,296,254 | 95% |
| Studies | | \$41,717 | 1% | \$41,717 | 100% | \$3,402,626 | 95% |
| SCADA System | | \$384,444 | 25% | \$360 | 0% | \$160,554 | 11% |
| Microwave System | | \$469,702 | 31% | \$449,654 | 96% | \$1,468,609 | 96% |
| DESIGN | | \$34,093,623 | 27% | \$29,737,469 | 87% | \$110,312,990 | 86% |
| Completed | | \$26,511,305 | 28% | \$25,980,682 | 98% | \$95,153,466 | 99% |
| Active | | \$7,582,319 | 24% | \$3,756,787 | 50% | \$15,159,524 | 48% |
| CH2M Hill (Ops Manual) | NDM | \$479,674 | 16% | \$335,406 | 70% | \$1,486,486 | 49% |
| CH2M Hill (JCC1) | JQ, Gupta, APM, HVJ, XENCO | \$644,571 | 25% | \$104,501 | 16% | \$480,094 | 19% |
| MWH | Garzabury, Kevin Sloan | \$226,705 | 43% | \$131,102 | 58% | \$527,645 | 101% |
| 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% | \$0 | 0% | \$301,889 | 52% |
| Brown & Gay | AZB, TME, Lamb-Star, NDM | \$1,750,930 | 25% | \$112,482 | 6% | \$531,920 | 8% |
| HDR | AZB, Daltech, Word Wizards, Gupta | \$1,747,469 | 25% | \$406,959 | 23% | \$1,646,942 | 24% |
| Burns & McDonnell Trans. Mgmt. | Lamb-Star Engineering | \$162,500 | 18% | \$88,578 | 55% | \$533,243 | 59% |
| Remaining | | \$0 | 0% | \$0 | 0% | \$0 | 0% |
| CONSTRUCTION ADMINISTRATION | | \$4,438,107 | 25% | \$1,738,717 | 39% | \$6,645,773 | 37% |
| CONSTRUCTION / OWNER FURNISHED EQUIPMENT | | \$67,596,624 | 24%* | \$36,467,761 | 54% | \$310,380,600 | 64% |
| Completed | | \$1,354,402 | 35% | \$1,354,402 | 100% | \$3,644,051 | 94% |
| Active | | \$66,242,222 | 23%* | \$35,113,359 | 53% | \$306,736,549 | 64% |
| Pipeline Section 15-1 | | \$9,415,226 | 29%* | \$6,501,990 | 69% | \$92,286,252 | 99% |
| Garney Construction | Danridge, SYB, Ricochet, Glenko, Carrasco, Cowboy, Gorrondona, Custom Fence, LKT, Astro Johnny, Pam, Father & Son, Bowden's Erosion | \$9,415,226 | 29%* | \$6,501,990 | 69% | \$92,286,252 | 99% |
| JB3 | | \$16,474,218 | 25%* | \$3,148,381 | 19% | \$32,278,243 | 38% |
| 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%* | \$1,239,000 | 9% | \$15,185,494 | 27% |
| 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 07.31.16

| 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% | \$383,905 | 26% | \$3,485,745 | 71% |
| Oncor Electric | | \$0 | 0% | \$0 | 0% | \$923,119 | 96% |
| Pentair Flow Technologies | | \$0 | 0% | \$0 | 0% | \$1,013,988 | 9% |
| Pipeline Section 12/13/MBR/JB4 Bypass | | \$22,054,002 | 24%* | \$12,666,904 | 57% | \$111,608,430 | 72% |
| Thalle Midlothian | LKT, Statewide, Granados, Desert Steel, E TTL, Glenko, A.N.A., Edwards, Buzz, Bradley-Douglas, Pinnacle | \$21,209,810 | 26%* | \$10,053,025 | 47% | \$107,170,805 | 75% |
| BAR Constructors | Fraire's, DFW Aggregates, Ricochet, MMG, LKT, Brock, Garland Heating & Air, Texas Metal, Buzz, Rangel | \$844,192 | 8% | \$2,613,879 | 310% | \$4,437,624 | 42% |
| Hilco Electric | | \$0 | 0% | \$0 | 0% | \$0 | 0% |
| Microwave System | | \$1,471,554 | 28% | \$988,826 | 67% | \$3,250,158 | 61% |
| Huffman Communications | Ricochet, Edwards, Chaffin Tower | \$1,471,554 | 28% | \$988,826 | 67% | \$3,250,158 | 61% |
| Pipeline Section 15-2 | | \$4,122,200 | 16%* | \$9,669,614 | 235% | \$37,734,230 | 73% |
| 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% | \$9,669,614 | 235% | \$37,734,230 | 73% |
| Pipeline Section 14 | | \$6,081,897 | 22%* | \$2,137,644 | 35% | \$25,716,602 | 53% |
| Garney Construction | AEA, Gorrondona, JC Welding, LKT, Statewide, Bowdens | \$6,081,897 | 22% | \$2,137,644 | 35% | \$25,716,602 | 53% |
| Pipeline Section 17 Tunnel | | \$6,623,125 | 24%* | \$0 | 0% | \$0 | 0% |
| IPL Partners | LKT, Industry Junction, Eagle Aggregate, Suncoast Res, ATS Drilling, RECS, ANA, Alliance, Ram, JC Welding, Luis Moreno | \$6,623,125 | 24% | \$0 | 0% | \$0 | 0% |
| Valve Packages | | \$0 | 0% | \$0 | 0% | \$3,862,634 | 34% |
| CONSTRUCTION MANAGEMENT | | \$19,172,452 | 42% | \$6,795,295 | 35% | \$17,453,235 | 38% |
| Completed | | \$6,488,069 | 41% | \$5,954,412 | 92% | \$15,687,599 | 100% |
| Active | | \$12,684,383 | 43% | \$840,883 | 7% | \$1,765,636 | 6% |
| CONSTRUCTION MATERIALS TESTING | | \$5,028,945 | 48% | \$1,307,322 | 26% | \$2,770,144 | 26% |
| Completed | | \$219,036 | 97% | \$219,036 | 100% | \$225,132 | 100% |
| Active | | \$4,809,909 | 47% | \$1,088,286 | 23% | \$2,545,011 | 25% |
| ROCIPI | | \$1,499,307 | 5% | \$205,937 | 14% | \$16,809,312 | 51% |
| TOTAL | | \$151,629,522 | 25%* | \$95,695,747 | 63% | \$547,040,294 | 68% |
| LAND COST | | | | \$54,150 | | \$46,374,709 | 43% |
| MISCELLANEOUS | | | | | | \$1,651,936 | |
| GRAND TOTAL | | \$151,629,522 | 25%* | \$95,749,897 | 63% | \$595,066,939 | 69% |

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

** This number excludes owner furnished equipment, large diameter pipe and land cost \$205,139,732.

| | |
|-----------------------|---------------|
| M/WBE/HUB Invoiced | \$95,749,897 |
| Grand Total Invoiced | \$595,066,939 |
| * Exclusions Invoiced | \$205,139,732 |
| MWBE % | 24.56% |

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 |
| 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 |

