



# INTEGRATED PIPELINE PROJECT

## QUARTERLY EXECUTIVE SUMMARY

December 2022



PL19TUN Installing excavation support rings at SH155 tunnel portal

### 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](http://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

through 12.31.2022

CONTRACT DESIGN AND CONSTRUCTION	DESCRIPTION	BUDGET	CONTRACTS ISSUED	TOTAL INVOICED
<b>PROGRAM WIDE PROFESSIONAL SERVICES</b>		<b>\$133,062,000</b>	<b>\$87,563,707</b>	<b>\$85,584,795</b>
<b>Program Management</b>	Overall program management services for implementation of the IPL Project. (Extension of TRWD staff)	\$45,000,000	\$35,124,711	\$35,124,711
<b>Conceptual Design / Environmental / Permitting</b>	Operations plan & Prepare 404 permit application, Envision Application Completion	\$13,551,000	\$13,248,701	\$13,248,699
<b>Value Engineering</b>	Expert review of design	\$640,000	\$472,248	\$472,248
<b>Surveying and Mapping</b>	Control, property survey, legal descriptions, and Provide SUE Level A Survey, GIS	\$14,600,000	\$11,854,389	\$10,955,362
<b>Geotechnical</b>	Initial Characterization of entire IPL Project	\$12,037,000	\$12,026,275	\$12,026,276
<b>Corrosion Engineering Services</b>	Engineering Corrosion Control	\$3,891,000	\$5,326,362	\$4,738,905
<b>Land, Easement Acquisition, &amp; Support</b>	Right of Entry and Land Acquisition Support Services	\$33,993,000	\$3,464,526	\$3,433,832
<b>Studies</b>		\$3,500,000	\$3,683,743	\$3,587,585
<b>SCADA System</b>	Engineering of SCADA system	\$640,000	\$0	\$0
<b>Microwave System</b>	Engineering of Communications System	\$5,210,000	\$2,362,752	\$1,997,177
<b>Water Blending Study</b>	Carollo	\$387,511	\$387,511	\$125,331
<b>Testing</b>	Accurate Inspections and ETTL		\$1,517,000	\$51,279
<b>DESIGN &amp; CONSTRUCTION ADMINISTRATION</b>		<b>\$201,714,000</b>	<b>\$198,100,039</b>	<b>\$172,739,389</b>
<b>Completed</b>		<b>\$122,733,000</b>	<b>\$103,809,850</b>	<b>\$103,118,164</b>
<b>Active</b>		<b>\$23,326,000</b>	<b>\$52,722,524</b>	<b>\$43,488,084</b>
<b>CH2M Hill</b>	Project Operational Information and Operations Manual		\$6,479,844	\$5,838,369
<b>CH2M Hill</b>	Final Conformance of Design of JCC1	\$728,000	\$9,288,681	\$8,012,354
<b>MWH</b>	Final Conformance of Design of Section 9/10/11	\$506,000	\$1,307,780	\$1,030,295
<b>Black &amp; Veatch</b>	Engineering during Construction of Section 10/11		\$810,000	\$496,051
<b>Black &amp; Veatch</b>	Final Design of Section 12/13/14	\$11,292,000	\$12,338,807	\$12,278,729
<b>Parsons</b>	Final Design of Sections 17/18/Tunnel		\$0	\$0
<b>Brown &amp; Gay</b>	Final Design of Section 19-1	\$5,770,000	\$8,130,200	\$4,521,877
<b>HDR</b>	Final Design of Section 19-2	\$5,030,000	\$8,358,000	\$7,061,799
<b>Burns &amp; McDonnell Trans. Mgmt.</b>	Development of Transportation Management Plan		\$905,203	\$866,643
<b>Burns &amp; McDonnell</b>	High Voltage Design		\$2,578,809	\$2,503,778
<b>Burns &amp; McDonnell</b>	Section 19 Transportation Management Planning		\$690,000	\$100,964
<b>Burns &amp; McDonnell</b>	Final Design of LP1		\$1,063,600	\$6,188
<b>Furgo Consultants, Inc.</b>	Section 19 Tunnel Geotechnical Testing		\$771,600	\$771,037
<b>IPL Partners</b>	Section 19 Tunnel Crossing		\$21,033,560	\$15,895,174
<b>CH2M Hill</b>	Lake Palestine Interim Stage		\$1,169,231	\$1,169,190
<b>Furgo Consultants, Inc.</b>	Section 19 Groundwater Pumping Testing Services		\$570,810	\$418,678
<b>Plus Six Engineering, LLC</b>	PH3 IPL PROGRAM AND CONSTRUCTION MANAGEMENT SERVICES		\$7,649,689	\$6,559,485
<b>CH2M Hill</b>	Final Design LPIN1		\$5,194,000	\$843,008
<b>HDR Engineering Inc</b>	Final Design LP 192		\$5,950,375	\$1,247,606
<b>Remaining</b>		<b>\$55,655,000</b>		
<b>CONSTRUCTION / OWNER FURNISHED EQUIPMENT</b>		<b>\$1,729,540,000</b>	<b>\$888,900,106</b>	<b>\$762,642,201</b>
<b>Completed</b>		<b>\$346,119,000</b>	<b>\$212,008,947</b>	<b>\$211,833,088</b>
<b>Active</b>		<b>\$875,818,000</b>	<b>\$676,891,159</b>	<b>\$550,809,113</b>
<b>JB3</b>		<b>\$83,013,000</b>	<b>\$75,779,477</b>	<b>\$74,154,514</b>
<b>MWH Constructors</b>	Construction of JB3 Pump Station	\$51,473,000	\$57,995,805	\$59,398,603
<b>Oncor Electric</b>	Installation of JB3 Substation Transmission Lines	\$1,066,000	\$957,119	\$923,119
<b>Isolux Corsan</b>	Construction of JB3 Substation	\$7,400,000	\$4,864,888	\$4,864,888
<b>R E Monks</b>	Construction of JB3R Restoration	\$0	\$675,782	\$675,782
<b>Pentair Flow Technologies</b>	Construction of JB3 Pumps, Motors, Drives	\$23,074,000	\$11,285,883	\$8,292,122

# PROGRAM SUPPORT SERVICES

through 12.31.2022

CONTRACT DESIGN AND CONSTRUCTION	DESCRIPTION	BUDGET	CONTRACTS ISSUED	TOTAL INVOICED
<b>Pipeline Section 12/13/MBR/IB4 Bypass</b>		<b>\$167,992,000</b>	<b>\$153,555,744</b>	<b>\$157,138,475</b>
<b>Thalle Midlothian</b>	Construction of Sections 12/13/MBR/IB4 Bypass	\$146,310,000	\$143,253,968	\$146,836,699
<b>BAR Constructors</b>	Construction of Richland-Chambers/Cedar Creek Interconnection Facility	\$21,682,000	\$10,177,546	\$10,177,546
<b>Hilco Electric</b>	MBR Radio Tower Power		\$33,312	\$33,312
<b>Oncor Electric</b>	Provide Power to IPL 2X12		\$90,918	\$90,918
<b>Pipeline Section 17</b>		<b>\$109,944,000</b>	<b>\$94,295,830</b>	<b>\$97,099,278</b>
<b>IPL Partners</b>	Construction of Section 17 Tunnel	\$12,252,000	\$48,500,000	\$49,561,669
<b>Thalle Midlothian</b>	Construction of Sections 17/18/IB2 Bypass	\$97,692,000	\$45,795,830	\$47,537,609
<b>CAS Consulting</b>	Design 17, 19 Tunnels		\$3,341,651	\$1,685,580
<b>Freese and Nichols</b>	Construction Management 17,19, JCC1		\$3,771,901	\$1,967,236
<b>JCC1</b>		<b>\$106,582,000</b>	<b>\$105,875,879</b>	<b>\$104,670,485</b>
<b>BAR Constructors</b>	Construction of JCC1 Intake	\$21,564,000	\$18,960,214	\$18,960,214
<b>BAR Constructors</b>	Intake Facility & OFE Installation Package 2	\$63,900,000	\$63,690,600	\$63,602,839
<b>Ebara</b>	Construction of JCC1 Pumps, Motors, Drives	\$17,775,000	\$12,694,890	\$11,680,768
<b>Lambda Construction</b>	High Voltage		\$5,773,925	\$5,670,414
<b>Oncor Electric</b>	Construction of JCC1 HV Transmission Lines	\$3,343,000	\$4,756,250	\$4,756,250
<b>Shermco Industries, Inc.</b>	JCC1 and JCC1HV Electrical Testing Services		\$618,000	\$502,932
<b>TRAYLOR BROS., INC.</b>	SECTION 19 LONG TUNNEL CROSSINGS		\$169,800,449	\$43,729,244
<b>Pipeline Section 10/11</b>		<b>\$73,679,000</b>	<b>\$55,545,934</b>	<b>\$55,903,957</b>
<b>IPL Partners</b>	Construction of Section 10/11	\$72,362,000	\$42,022,945	\$42,380,969
<b>Oncor Electric</b>	Construction of KBR S1X10 HV Transmission Lines		\$17,452	\$17,452
<b>BAR Constructors</b>	Construction of KBR S1X10	\$1,317,000	\$13,505,537	\$13,505,536
<b>Valve Packages</b>		<b>\$15,166,000</b>	<b>\$14,306,294</b>	<b>\$13,957,412</b>
<b>Garney Construction</b>	Valve Package 1 - Section 15-1 Butterfly Valves	\$518,000	\$0	\$0
<b>Rodney Hunt</b>	Valve Package 2 - Section 15-1 Interconnection Facility Valves	\$474,000	\$733,206	\$733,206
<b>Blackhall Engineering</b>	Valve Package 3 - JB3, Section 15-2, MBR Yard Gate Valves	\$5,500,000	\$6,278,388	\$6,228,595
<b>Crispin Valves</b>	Valve Package 4 - Section 12 RC/CC Interconnection, JB4 Bypass, MBR Yard Butterfly Valves	\$3,999,000	\$2,269,140	\$2,191,128
<b>Crispin Valves</b>	Valve Package 5 - JB3 Butterfly Valves	\$1,249,000	\$1,249,222	\$1,175,870
<b>Ross Valves</b>	Valve Package 6 - Section 12 RC/CC Interconnection Multi-Orifice Valves	\$715,000	\$526,340	\$478,838
<b>Crispin Valves</b>	Valve Package 8 - Section 10 & 11 Bypass Butterfly Valves	\$1,391,000	\$1,461,040	\$1,393,968
<b>Blackhall Engineering</b>	Valve Package 11 - JCC1 Gate Valve	\$1,320,000	\$1,788,958	\$1,755,807
<b>Remaining</b>		<b>\$507,603,000</b>		
<b>CONSTRUCTION MANAGEMENT</b>		<b>\$65,170,000</b>	<b>\$55,044,680</b>	<b>\$50,988,661</b>
<b>Completed</b>		<b>\$15,777,000</b>	<b>\$15,747,552</b>	<b>\$15,747,553</b>
<b>Active</b>		<b>\$17,665,000</b>	<b>\$39,297,128</b>	<b>\$35,241,108</b>
<b>Remaining</b>		<b>\$31,728,000</b>		
<b>CONSTRUCTION MATERIALS TESTING</b>		<b>\$17,296,000</b>	<b>\$13,161,251</b>	<b>\$10,741,681</b>
<b>Completed</b>		<b>\$203,000</b>	<b>\$225,133</b>	<b>\$225,132</b>
<b>Active</b>		<b>\$7,791,000</b>	<b>\$12,936,118</b>	<b>\$10,516,549</b>
<b>Remaining</b>		<b>\$9,302,000</b>		
<b>ROCIP</b>		<b>\$2,575,000</b>	<b>\$42,013,560</b>	<b>\$23,117,815</b>
<b>LAND COST</b>		<b>\$107,384,000</b>	<b>\$78,532,928</b>	<b>\$78,532,928</b>
<b>PROGRAM LEVEL CONTINGENCY</b>		<b>\$83,178,000</b>		
<b>MISCELLANEOUS</b>		<b>\$2,000,000</b>	<b>\$3,903,305</b>	<b>\$3,903,305</b>
<b>GRAND TOTAL</b>		<b>\$2,341,919,000</b>	<b>\$1,369,124,088</b>	<b>\$1,188,427,386</b>
<b>REMAINING BOND FUNDS</b>				<b>\$313,599,116</b>

# ACCOMPLISHMENTS

through 12.31.2022

## GENERAL IPL PROGRAM OPERATIONAL STATUS

The IPL System can deliver water from Richland Chambers Reservoir to the cross-connections with the existing Richland Chambers and Cedar Creek pipelines at the S2X12 Interconnect Facility near Joe Pool Lake and the future DWU connection point. The IPL System can also deliver water to the Arlington Outlet via the S1X10 Pressure Reduction Station, the KBR Bypass pipeline, and the Line J Pipeline. Water can be delivered via the IPL system and the existing pipelines to the Rolling Hills Water Treatment Plant and Lake Benbrook.

The IPL pipelines and facilities that have been completed to accomplish this delivery are:

- S5X15 Interconnect
- Pipeline Sections 15-1 and 15-2
- JB3R Suction Reservoir
- JB3 Booster Pump Station
- Pipeline Section 14
- Midlothian Balancing Reservoir
- Pipeline Sections 12 and 13
- S2X12 Interconnect Facility
- Pipeline Sections 10 and 11
- S1X10 Pressure Reduction Station

## ADDITIONAL SYSTEM OPERATIONAL COMMISSIONING IN PROGRESS

The portion of the IPL System to deliver water from Cedar Creek Reservoir has begun operation using the pumps at the new JCC1 Pump Station, and the recently completed PL17 and 18 pipelines, the PL17 tunnel, and the JB2 108" gate valve.

The PL17 pipeline connects to the PL15-2 pipeline to all previously operational facilities and pipelines. The JCC1 Pump Station and this newly operational portion of the IPL System provide a 210 MGD increase to the TRWD/IPL capacity.

## CURRENT PROJECT UPDATES

- JCC1 (Cedar Creek Lake Pump Station)
  - » Pump Motor No. 2 repairs were completed, and motor was returned to the pump station.
  - » Programming for the remaining items for Chemical Building and Pump Station was completed.
  - » The remaining programming items on the OSHG system were corrected.
  - » Motor starter for the Water Treatment Building was installed.
  - » Chemical pump training was provided to TRWD Operations personnel.
  - » ORT testing was performed with TRWD SCADA for the JB2 Valve Vault.
  - » Coordination with SEL to finalize the Power Study is in progress.
  - » Electrical / Instrumentation punch list items are nearly completed.
- PL19TX (Tunnels at TxDOT Roadway Crossings for Pipeline Sections 19-1 & 19-2)
  - » US 175 Tunnel
    - » Completed welding 84-inch steel pipe joints.
    - » Completed installation of tunnel casing test station and CP reference anodes.
    - » Completed installation of the BOV vault.
    - » Completed hydrostatic pressure test.
  - » FM 315 Tunnel
    - » Completed annular grouting of the tunnel pipe.
  - » FM 1305 Tunnel
    - » Completed grouting internal tunnel pipe joints.
  - » FM 59 Tunnel
    - » Completed hydrostatic pressure test.
  - » SH 19 Tunnel
    - » Completed hydrostatic pressure test.
    - » Worked on construction entrances and access roads.
- FM 1615 Tunnel
  - » Completed hydrostatic pressure test.
  - » Worked on construction entrances and access roads.
- FM 2588 Tunnel
  - » Demobilized all remaining equipment from the site.
- PL19TUN (Cedar Creek; SH 31; Hollywood Lake; Stream A; SH 151/Frankston ISD Tunnels for Pipeline Sections 19-1 & 19-2)
  - » Cedar Creek Tunnel
    - » Completed west portal excavation.
    - » Completed installation of grout plant for the EPB Tunnel Bore Machine.
    - » Continued operation and maintenance of dewatering system.
    - » Completed installation of dewatering educator wells.
  - » Hollywood Lake Tunnel
    - » Completed temporary access roads, driveways, and fencing.
  - » SH155 Tunnel
    - » Completed excavating launch and retrieval shafts
    - » Completed installation of geotechnical monitoring instrumentation.
  - » Stream A Tunnel
    - » Completed construction of tunnel site fencing, crushed stone, and temporary utilities.
    - » Began installation of geotechnical monitoring instrumentation
  - » Royal Blvd. Tunnel
    - » Completed construction of temporary access roads to the east side of tunnel.
  - » ROW / Open Cut Pipeline
    - » Installed 1,676' of 84" steel pipe.
    - » Completed construction of ROW entrance roads.

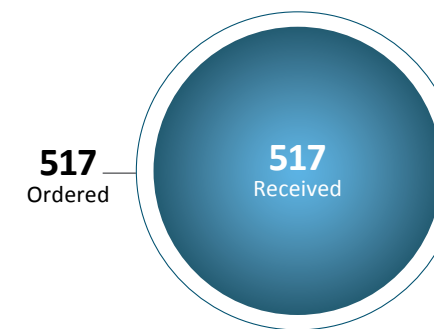
# PROJECT SCHEDULE

PROJECT COMPONENTS	2022				2023				2024				2025			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
JCC1 CONSTRUCTION	[Progress bar: 2022 Q1-Q4, 2023 Q1-Q4]															
PL19TX CONSTRUCTION	[Progress bar: 2022 Q1-Q4, 2023 Q1-Q4]															
PL19TUN CONSTRUCTION	[Progress bar: 2022 Q1-Q4, 2023 Q1-Q4, 2024 Q1-Q4, 2025 Q1-Q4]															

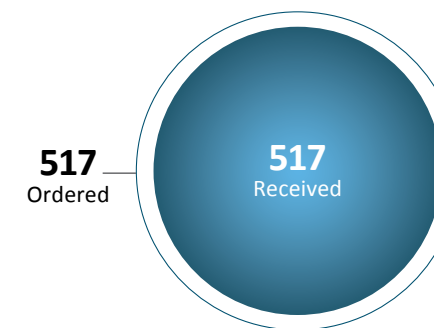
# ACTIVITY STATUS

through 12.31.2022

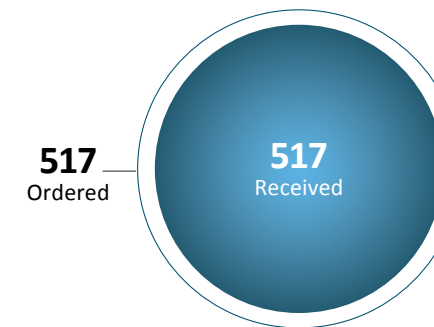
## TITLE COMMITMENTS



## SURVEYS



## APPRAISALS



## LAND ACQUISITION



Total Parent Parcels: 517



JCC1 Aerial photo of completed facility structures



PL19TUN Preparing to install open-cut pipe joint



PL19TX Placing flowable fill encasement near FM315

# M/WBE PARTICIPATION

through 12.31.2022

CONTRACT DESIGN AND CONSTRUCTION	M/WBE & HUB SUB-CONTRACTORS	CONTRACT COMMITMENT		M/WBE   HUB INVOICED TO DATE		TOTAL PROJECT COMPLETED TO DATE	
		\$	%	\$	% (PER COMMITMENT)	\$	%
<b>PROGRAM WIDE PROFESSIONAL SERVICES</b>		\$20,396,220	23%	\$19,869,653	97%	\$85,710,126	98%
Program Management		\$6,636,154		\$6,636,689	100%	\$35,124,711	100%
Conceptual Design / Environmental / Permitting		\$2,655,040	20%	\$2,827,565	106%	\$13,248,699	100%
Value Engineering		\$23,187	5%	\$23,178	100%	\$472,248	100%
Surveying and Mapping		\$3,939,250	33%	\$3,831,614	97%	\$10,955,362	92%
Geotechnical		\$3,545,179	29%	\$3,545,034	100%	\$12,026,276	100%
Corrosion Engineering Services		\$1,442,047	27%	\$764,939	53%	\$4,738,905	89%
Land, Easement Acquisition, & Support		\$1,294,859	37%	\$1,534,532	119%	\$3,433,832	99%
Studies		\$41,738	1%	\$41,717	100%	\$3,587,585	97%
Microwave System		\$818,765	35%	\$664,385	81%	\$1,997,177	85%
Water Blending Study		\$58,127	15%	\$0	0%	\$125,331	32%
Testing		\$0	0%	\$0	0%	\$51,279	3%
<b>DESIGN</b>		\$46,184,319	23%	\$46,580,670	101%	\$172,739,389	87%
Completed		\$28,488,898	27%	\$28,543,692	100%	\$103,118,164	99%
Active		\$10,946,375	21%	\$9,578,949	88%	\$68,373,619	130%
CH2M Hill (Ops Manual)	NDM	\$1,063,512	16%	\$966,721	91%	\$5,838,369	90%
CH2M Hill (JCC1)	JQ, Gupta, APM, HVJ, XENCO	\$2,322,170	25%	\$3,060,511	132%	\$8,012,354	86%
MWH	Garzabury, Kevin Sloan	\$364,871	28%	\$221,636	61%	\$1,030,295	79%
Black & Veatch	Texas Design	\$0	0%	\$2,100	0%	\$496,051	61%
Black & Veatch	BDS, CAS, JQ, TME	\$3,056,716	25%	\$3,023,303	99%	\$12,278,729	100%
Parsons	Criado, EPB, HVJ	\$0	#DIV/0!	\$0	0%	\$0	0%
Brown & Gay	AZB, TME, Lamb-Star, NDM	\$2,032,550	25%	\$1,021,442	50%	\$4,521,877	56%
HDR	AZB, Daltech, Word Wizards, Gupta	\$1,944,071	23%	\$1,161,738	60%	\$7,061,799	84%
Burns & McDonnell Trans. Mgmt.	Lamb-Star Engineering	\$162,485	18%	\$121,498	75%	\$866,643	96%
Burns & McDonnell	HVJ, JQ, Multatech	\$611,538	24%	\$542,454	89%	\$2,503,778	97%
Burns & McDonnell	Lamb-Star Engineering, LLC, Transtec Group Inc.	\$172,500	25%	\$36,509	21%	\$100,964	15%
Burns & McDonnell		\$265,900	25%	\$0	0%	\$6,188	1%
Furgo Consultants, Inc.		\$0	0%	\$0	0%	\$771,037	100%
IPL Partners	Section 19 Tunnel Crossing	\$5,258,390	25%	\$1,376,688	26%	\$15,895,174	76%
CH2M Hill	Lake Palestine Interim Stage	\$292,308	25%	\$290,173	99%	\$1,169,190	100%
Furgo Consultants, Inc.	Section 19 Groundwater Pumping Testing Services	\$148,411	26%	\$0	0%	\$418,678	73%
Plus Six Engineering, LLC	PH3 IPL Program and Construction Management Services	\$0	0%	\$5,724,860	0%	\$6,559,485	86%
CH2M Hill	Final Design LPIN1	\$0	0%	\$222,500	0%	\$843,008	16%
HDR Engineering Inc	Final Design LP 192	\$0	0%	\$264,845	0%	\$1,247,606	21%
Remaining		\$0	0%	\$0	0	\$0	0%
<b>CONSTRUCTION / OWNER FURNISHED EQUIPMENT</b>		\$143,571,520	16%	\$184,919,950	129%	\$1,269,722,070	143%
Completed		\$23,397,169	11%	\$38,680,042	165%	\$211,833,088	100%
Active		\$120,174,351	29%	\$146,239,908	122%	\$507,079,869	75%
Pipeline Section 15-1		\$0	0%	\$0	0%	\$0	0%
Garney Construction	Danridge, SYB, Ricochet, Glenko, Carrasco, Cowboy, Gorrondona, Custom Fence, LKT, Astro Johnny, Pam, Father & Son, Bowden's Erosion	\$0	0%	\$0	0%	\$0	0%
JB3		\$15,258,538	26%	\$12,849,194	84%	\$74,154,514	98%
MWH Constructors	Statewide, Cowboy, TX Enviro, Champion, Ram Tool, Rent-a-Fence, Soto Steel, A-Star, Ike, Greystone, LKT, Accurate, Green Scaping	\$13,808,801	27%	\$11,399,274	83%	\$59,398,603	102%
Oncor Electric		\$1,449,737	2%	\$1,449,920	100%	\$4,864,888	8%

# M/WBE PARTICIPATION

through 12.31.2022

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	\$0	0%	\$0	0%	\$923,119	96%
RE Monks		\$0	0%	\$0	0%	\$675,782	14%
Pentair Flow Technologies		\$0	0%	\$0	0%	\$8,292,122	73%
Pipeline Section 12/13/MBR/JB4 Bypass		\$22,014,773	24%	\$22,259,346	101%	\$157,138,475	102%
Thalle Midlothian	LKT, Statewide, Granados, Desert Steel, ETTL, Glenko, A.N.A., Edwards, Buzz, Bradley-Douglas, Pinnacle	\$21,201,587	27%	\$16,438,808	78%	\$146,836,699	103%
BAR Constructors	Fraire's, DFW Aggregates, Ricochet, MMG, LKT, Brock, Garland Heating & Air, Texas Metal, Buzz, Rangel	\$813,186	8%	\$5,820,538	716%	\$10,177,546	100%
Hilco Electric		\$0	0%	\$0	0%	\$33,312	100%
Oncor Electric		\$0	0%	\$0	0%	\$90,918	100%
Pipeline Section 17		\$15,151,597	23%	\$7,226,323	48%	\$100,752,094	107%
IPL Partners	LKT, Industry Junction, Eagle Aggregate, Suncoast Res, ATS Drilling, RECS, ANA, Alliance, Ram, JC Welding, Luis Moreno Fleet Lube, Rambo Controls, AE Trucking, MKI Construction, Stome Water Management, Industry Junction, Ortega Land Clearing	\$9,733,950	23%	\$4,125,302	42%	\$49,561,669	102%
Thalle Midlothian		\$5,417,647	24%	\$3,101,021	57%	\$47,537,609	104%
CAS Consulting	Design 17, 19 Tunnels	\$835,413	-9%	\$1,685,580	202%	\$1,685,580	50%
Freese and Nichols	Construction Management 17,19, JCC1	\$452,628	17%	\$265,829	59%	\$1,967,236	52%
JCC1		\$59,530,809	66%	\$82,535,934	139%	\$105,173,417	99%
BAR Constructors	Industry Junction, K&A Steel, Ricochet Fuel, Ricochet Fuel, Tidy Toilets, Buzz Custom Fence	\$961,283	6%	\$18,008,980	1873%	\$18,960,214	100%
BAR Constructors	Industry Junction, K&A Steel, Ricochet Fuel, Ricochet Fuel, Tidy Toilets	\$14,011,932	23%	\$63,602,839	454%	\$63,602,839	100%
Ebara		\$0	0%	\$0	0%	\$11,680,768	202%
Lambda Construction	High Voltage	\$2,107,483	37%	\$924,115	44%	\$5,670,414	98%
Oncor Electric		\$0	0%	\$0	0%	\$4,756,250	100%
Shermco Industries, Inc.	JCC1 and JCC1HV Electrical Testing Services	\$0	0%	\$0	0%	\$502,932	81%
Traylor Bros/Sundt	Section 19 Long Tunnel Crossings	\$42,450,112	25%	\$1,884,552	4%	\$43,729,244	26%
Pipeline Section 10/11		\$6,930,593	20%	\$17,533,150	253%	\$55,903,957	101%
IPL Partners	LKT, Industry Junction, Eagle Aggregate, Suncoast Res, ATS Drilling, RECS, ANA, Alliance, Ram, JC Welding, Luis Moreno	\$5,526,017	25%	\$4,027,614	73%	\$42,380,969	101%
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	\$1,404,576	11%	\$13,505,536	962%	\$13,505,536	100%
Valve Packages		\$0	0%	\$0	0%	\$13,957,412	98%
<b>CONSTRUCTION MANAGEMENT</b>		\$18,034,362	33%	\$20,327,400	113%	\$50,988,661	93%
Completed		\$5,928,654	38%	\$5,954,412	100%	\$15,747,553	100%
Active		\$12,105,707	31%	\$14,372,988	119%	\$35,241,108	90%
<b>CONSTRUCTION MATERIALS TESTING</b>		\$6,696,313	51%	\$5,568,525	83%	\$10,741,681	82%
Completed		\$219,036	97%	\$219,036	100%	\$225,132	100%
Active		\$6,477,277	50%	\$5,349,489	83%	\$10,516,549	81%
ROCIPI		\$900,712	2%	\$370,813	41%	\$23,117,815	55%
<b>TOTAL</b>		\$235,841,573	23%	\$277,637,011	118%	\$1,613,071,021	125%
LAND COST		\$0	0%	\$61,892	0%	\$78,532,928	187%
MISCELLANEOUS		\$0	0%	\$0	0%	\$3,903,305	5%
<b>GRAND TOTAL</b>		\$235,841,573	23%*	\$277,698,903	118%	\$1,695,507,255	124%
M/WBE/HUB Invoiced						\$277,698,903	
Grand Total Invoiced						\$1,695,507,255	
* Exclusions Invoiced						\$322,358,973	
MWBE %						20.2%	

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

# PROJECT COMPONENTS

PIPELINE SEGMENTS	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	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	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

