



BPG Designs, LLC
7307 S. Harl Ave, Suite 1
Tempe, Arizona 85283
USA
(602) 954-2223

Prepared By:
James Stroud
480-599-2226
jstroud@bpgdesigns.com

Customer Date: 4/06/2026

CITY OF APACHE JUNCTION
300 E Superstition Blvd
Apache Junction, AZ 85119
United States

Doug Wirthgen

480-474-5147
dwirthgen@apachejunctionaz.gov

Project: CITY OF APACHE JUNCTION FIBER EXPANSION SEGMENT 1

BPG AZ STATE CONTRACT #CTR075703

Scope of Work

- *Provide Design for permit*
- *White line and call in Blue Stake 811 ticket*
- *Provide and install (2) 2" and (1) 1" conduit system (approximately 4,123 ft from City of Apache Junction Library North on N Idaho Rd to W Lost Dutchman Blvd)*
- *Provide and install #12 AWG tracer wire in (1) 1" conduit*
- *Provide and install 2500lb tensile strength mule tape in (2) 2" conduits*
- *Provide and install (1) 4'x4' vault and replace (1) existing pull box*
- *Provide and install (6) #9 pull boxes*
- *Provide and install 144 ct SMFO cable (approximately 4,900 ft w/slack loops)*
- *Provide and install (1) Corning CCH-04U fiber panel*
- *Provide and install (12) CCH-CS12-B3-P00RE splice cassettes*
- *Fusion splice 144 ct SMFO cable inside COAJ Library MDF*

BPG will provide testing and as-builts per City of Apache Junction IT Standards and Specifications

Included (+)

1. Test Results
2. As-builts
3. Traffic Control
4. Restoration as needed

Excluded (-)

1. All Permits and Fees
2. Payment and Performance Bonds
3. Micro-seal or slurry seal
4. ADA removal and restoration
5. Any work done outside original scope
6. Configuration of switches, routers or other hardware, including Wireless Access Points and configuration.

Excludes security devices such as card readers, motion sensors, glass breaks etc.

Any additional work not specified in this scope of work will be documented and a formal change request will be sent to the client for approval. No additional work will be performed by BPG without written approval from the client.

Phone Systems, Network Devices, Active Equipment are not included, unless otherwise stated in the proposal. Any other Control Components are not included in this proposal as directed, unless otherwise specified.



**CITY OF APACHE JUNCTION FIBER EXPANSION SEGMENT 1
BPG AZ STATE CONTRACT#CTR075703**

BPG DESIGNS, LLC| 7307 S. HARL AVE, SUITE1

P (602) 954-2223

CUSTOMER

Dough Wirthgen

ESTIMATE NO

COAJFOS140626

DATE

4/8/2026

ADDRESS

300 E Superstition Blvd

CITY/STATE/ZIP

Apache Junction, AZ 85119

PHONE

(480) 474-5147

E-MAIL

dwirthgen@apachejunctionaz.gov

SENIOR PROJECT MANAGER

James Stroud

PROJECT

CITY OF APACHE JUNCTION FIBER
EXPANSION SEGMENT 1

PREPARED BY:

James Stroud

ATTENTION

Doug Wirthgen

PAYMENT TERMS

Net 30

DUE DATE

5/8/2026

QUANTITY	DESCRIPTION		AMOUNT
8400	2" SDR11 Orange	\$0.81	\$6,804.00
4200	1" SDR11 Orange	\$0.36	\$1,512.00
8400	WP2500P5: 2500LB PRINTED MULETAPE 5000FT	\$0.05	\$420.00
4200	#12 AWG 7-STRAND HHW X 500FT SPOOL BLACK	\$0.42	\$1,764.00
1	OldCastle 504-LA CLOSED BOTTOM VAUL, ID 4'X4', TOP W/30"ROUND CAST IRON RING & COVER MARKED CITY OF APACHE JUNCTION FIBER OPTIC	\$5,706.88	\$5,706.88
28	ADTEC-20005097: 2.00in CLEAR-LOCK HDPE COUPLER	\$9.49	\$265.72
14	ADTEC-20005662: 1.00in IPS CLEAR-LOCK HDPE COUPLER	\$5.38	\$75.32
14	CALAM-5120-20: BLANK DUCT PLUG, LOOP NUT, 2.00in - 50mm	\$5.87	\$82.18
14	CALAM-7120-052-075: 2.00in - 50mm F/O SIMPLEX PLUG, PORT 0.52in-0.75in - 13.21mm-19.05mm	\$10.33	\$144.62
14	CALAM-7110-051-071: 1.00in - 25mm F/O SIMPLEX PLUG, PORT 0.51in-0.71in - 12.95mm-18.03mm	\$7.36	\$103.04
6	DURAB-PC304824-T22-2PC: 30x48x36 PC HANDHOLE ASSY, TIER 22 2 PC LID, LOGO RECESS, EMS MARKER	\$891.25	\$5,347.50
5000	OFS #AT-3GE12YT-144, Cable, Fiber Optic, 144 Fiber, loose tube, Dry-dry,non-armored, all dielectric strength member, ESM Bend Improved glass	\$1.14	\$5,700.00
1	CORNING CCH-04U Closet Connector Housing (CCH) Four Rack Units, Holds 12 CCH Connector Panels	\$368.86	\$368.86
12	CORNING CCH-CS12-B3-P00RE CCH Pigtailed Splice Cassette12 F, LC APC Duplex, Single-mode (OS2), Single-fiber (250 um)	\$551.60	\$6,619.20
1	COMMSCOPE, 931866-000 FOSC 450 FIBER OPTIC SPLICE FOSC450-D6-6-NT-0-D6V	\$490.59	\$490.59
2	COMMSCOPE, 915167-000SPLICE TRAY FOSC-ACC-D-TRAY-72-KIT	\$37.38	\$74.76
SUMMARY			
	COST TYPE		
	LABOR AND OVERHEAD		\$151,129.92
	MATERIALS		\$35,478.67
		SUBTOTAL	\$186,608.59
THIS PROPOSAL INCLUDES THE CONDITIONS NOTED:		TAX RATE	9.10%
		SALES TAX	\$3,228.56
		OTHER	
		TOTAL	\$189,837.15

SIGN BELOW TO ACCEPT QUOTE:

AUTHORIZED REP

DATE



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USA
(602) 954-2223

Prepared By:
James Stroud
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jstroud@bpgdesigns.com

Customer Date: 4/06/2026

CITY OF APACHE JUNCTION
300 E Superstition Blvd
Apache Junction, AZ 85119
United States

Doug Wirthgen

480-474-5147
dworthgen@apachejunctionaz.gov

Project: CITY OF APACHE JUNCTION FIBER EXPANSION SEGMENT 2

BPG AZ STATE CONTRACT #CTR075703

Scope of Work

- *Provide Design for permit*
- *White line and call in Blue Stake 811 ticket*
- *Provide and install (2) 2" and (1) 1" conduit system (approximately 5,400 ft from SW corner of W Lost Dutchman Blvd to SE corner of W Lost Dutchman Blvd and N Tomahawk Rd)*
- *Provide and install #12 AWG tracer wire in (1) 1" conduit*
- *Provide and install 2500lb tensile strength mule tape in (2) 2" conduits*
- *Provide and install (6) #9 pull boxes*
- *Provide and install 144 ct SMFO cable (approximately 6,000 ft w/slack loops)*
- *Fusion splice 144 ct SMFO cable at SW corner of W Lost Dutchman Blvd and N Idaho Rd*

BPG will provide testing and as-builts per City of Apache Junction IT Standards and Specifications

Included (+)

1. Test Results
2. As-builts
3. Traffic Control
4. Restoration as needed

Excluded (-)

1. All Permits and Fees
2. Payment and Performance Bonds
3. Micro-seal or slurry seal
4. ADA removal and restoration
5. Any work done outside original scope
6. Configuration of switches, routers or other hardware, including Wireless Access Points and configuration.

Excludes security devices such as card readers, motion sensors, glass breaks etc.

Any additional work not specified in this scope of work will be documented and a formal change request will be sent to the client for approval. No additional work will be performed by BPG without written approval from the client.

Phone Systems, Network Devices, Active Equipment are not included, unless otherwise stated in the proposal. Any other Control Components are not included in this proposal as directed, unless otherwise specified.



CITY OF APACHE JUNCTION FIBER EXPANSION SEGMENT 2
BPG AZ STATE CONTRACT#CTR075703

BPG DESIGNS, LLC| 7307 S. HARL AVE, SUITE1

P (602) 954-2223

CUSTOMER

Doug Wirthgen

ESTIMATE NO

COAJFOS240626

DATE

4/8/2026

ADDRESS

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CITY/STATE/ZIP

Apache Junction, AZ 85119

PHONE

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dwirthgen@apachejunctionaz.gov

SENIOR PROJECT MANAGER

James Stroud

PROJECT

CITY OF APACHE JUNCTION FIBER
EXPANSION SEGMENT 2

PREPARED BY:

James Stroud

ATTENTION

Doug Wirthgen

PAYMENT TERMS

Net 30

DUE DATE

5/8/2026

QUANTITY	DESCRIPTION		AMOUNT
10800	2" SDR11 Orange	\$0.81	\$8,748.00
5400	1" SDR11 Orange	\$0.36	\$1,944.00
10800	WP2500P5: 2500LB PRINTED MULETAPE 5000FT	\$0.05	\$540.00
5400	#12 AWG 7-STRAND HHW X 500FT SPOOL BLACK	\$0.42	\$2,268.00
36	ADTEC-20005097: 2.00in CLEAR-LOCK HDPE COUPLER	\$9.49	\$341.64
18	ADTEC-20005662: 1.00in IPS CLEAR-LOCK HDPE COUPLER	\$5.38	\$96.84
18	CALAM-5120-20: BLANK DUCT PLUG, LOOP NUT, 2.00in - 50mm	\$5.87	\$105.66
18	CALAM-7120-052-075: 2.00in - 50mm F/O SIMPLEX PLUG, PORT 0.52in-0.75in - 13.21mm-19.05mm	\$10.33	\$185.94
18	CALAM-7110-051-071: 1.00in - 25mm F/O SIMPLEX PLUG, PORT 0.51in-0.71in - 12.95mm-18.03mm	\$7.36	\$132.48
6	DURAB-PC304824-T22-2PC: 30x48x36 PC HANDHOLE ASSY, TIER 22 2 PC LID, LOGO RECESS, EMS MARKER	\$891.25	\$5,347.50
6000	OFS #AT-3CE12YT-144, Cable, Fiber Optic. 144 Fiber, loose tube, Dry-dry,non-armored, all dielectric strength member, ESM Bend Improved glass	\$1.14	\$6,840.00
1	COMMSCOPE, 931866-000 FOSC 450 FIBER OPTIC SPLICE FOSC450-D6-6-NT-0-D6V	\$490.59	\$490.59
2	COMMSCOPE, 915167-000SPLICE TRAY FOSC-ACC-D-TRAY-72-KIT	\$37.38	\$74.76

SUMMARY

COST TYPE	
LABOR AND OVERHEAD	\$164,040.20
MATERIALS	\$27,115.41

THIS PROPOSAL INCLUDES THE CONDITIONS NOTED:

SUBTOTAL	\$191,155.61
TAX RATE	9.10%
SALES TAX	\$2,467.50
OTHER	
TOTAL	\$193,623.11

SIGN BELOW TO ACCEPT QUOTE:

AUTHORIZED REP

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Apache Junction, AZ 85119
United States

Doug Wirthgen

480-474-5147
dworthgen@apachejunctionaz.gov

Project: CITY OF APACHE JUNCTION FIBER EXPANSION SEGMENT 3

BPG AZ STATE CONTRACT #CTR075703

Scope of Work

- *Provide Design for permit*
- *White line and call in Blue Stake 811 ticket*
- *Provide and install (2) 2" and (1) 1" conduit system (approximately 12,218 ft from SE corner of SE corner of W Lost Dutchman Blvd and N Tomahawk Rd to NW corner of S Tomahawk Rd and E Old West Hwy)*
- *Provide and install #12 AWG tracer wire in (1) 1" conduit*
- *Provide and install 2500lb tensile strength mule tape in (2) 2" conduits*
- *Provide and install (18) #9 pull boxes*
- *Provide and install 144 ct SMFO cable (approximately 14,100 ft w/slack loops)*
- *Fusion splice 144 ct SMFO cable at SW corner of W Lost Dutchman Blvd and N Idaho Rd*
- *Fusion splice 144 ct SMFO cable at closest pull box to end of 10,000 ft fiber spool*

BPG will provide testing and as-builts per City of Apache Junction IT Standards and Specifications

Included (+)

1. Test Results
2. As-builts
3. Traffic Control
4. Restoration as needed

Excluded (-)

1. All Permits and Fees
2. Payment and Performance Bonds
3. Micro-seal or slurry seal
4. ADA removal and restoration
5. Any work done outside original scope
6. Configuration of switches, routers or other hardware, including Wireless Access Points and configuration.

Excludes security devices such as card readers, motion sensors, glass breaks etc.

Any additional work not specified in this scope of work will be documented and a formal change request will be sent to the client for approval. No additional work will be performed by BPG without written approval from the client.

Phone Systems, Network Devices, Active Equipment are not included, unless otherwise stated in the proposal. Any other Control Components are not included in this proposal as directed, unless otherwise specified.



**CITY OF APACHE JUNCTION FIBER EXPANSION SEGMENT 3
BPG AZ STATE CONTRACT#CTR075703**

BPG DESIGNS, LLC| 7307 S. HARL AVE, SUITE1

P (602) 954-2223

CUSTOMER

Doug Wirthgen

ESTIMATE NO

COAJFOS340626

DATE

4/8/2026

ADDRESS

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CITY/STATE/ZIP

Apache Junction, AZ 85119

PHONE

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E-MAIL

dwirthgen@apachejunctionaz.gov

SENIOR PROJECT MANAGER

James Stroud

PROJECT

CITY OF APACHE JUNCTION FIBER
EXPANSION SEGMENT 3

PREPARED BY:

James Stroud

ATTENTION

Doug Wirthgen

PAYMENT TERMS

Net 30

DUE DATE

5/8/2026

QUANTITY	DESCRIPTION		AMOUNT
24500	2" SDR11 Orange	\$0.81	\$19,845.00
12250	1" SDR11 Orange	\$0.36	\$4,410.00
24500	WP2500P5: 2500LB PRINTED MULETAPE 5000FT	\$0.05	\$1,225.00
12250	#12 AWG 7-STRAND HHW X 500FT SPOOL BLACK	\$0.42	\$5,145.00
40	ADTEC-20005097: 2.00in CLEAR-LOCK HDPE COUPLER	\$9.49	\$379.60
40	ADTEC-20005662: 1.00in IPS CLEAR-LOCK HDPE COUPLER	\$5.38	\$215.20
36	CALAM-5120-20: BLANK DUCT PLUG, LOOP NUT, 2.00in - 50mm	\$5.87	\$211.32
36	CALAM-7120-052-075: 2.00in - 50mm F/O SIMPLEX PLUG, PORT 0.52in-0.75in - 13.21mm-19.05mm	\$10.33	\$371.88
36	CALAM-7110-051-071: 1.00in - 25mm F/O SIMPLEX PLUG, PORT 0.51in-0.71in - 12.95mm-18.03mm	\$7.36	\$264.96
18	DURAB-PC304824-T22-2PC: 30x48x36 PC HANDHOLE ASSY, TIER 22 2 PC LID, LOGO RECESS, EMS MARKER	\$891.25	\$16,042.50
14100	OFS #AT-3CE12YT-144, Cable, Fiber Optic. 144 Fiber, loose tube, Dry-dry,non-armored, all dielectric strength member, ESM Bend Improved glass	\$1.14	\$16,074.00
2	COMMSCOPE, 931866-000 FOSC 450 FIBER OPTIC SPLICE FOSC450-D6-6-NT-0-D6V	\$490.59	\$981.18
2	COMMSCOPE, 915167-000SPLICE TRAY FOSC-ACC-D-TRAY-72-KIT	\$37.38	\$74.76

SUMMARY

COST TYPE	
LABOR AND OVERHEAD	\$347,077.61
MATERIALS	\$65,240.40

THIS PROPOSAL INCLUDES THE CONDITIONS NOTED:

SUBTOTAL	\$412,318.01
TAX RATE	9.10%
SALES TAX	\$5,936.88
OTHER	
TOTAL	\$418,254.89

SIGN BELOW TO ACCEPT QUOTE:

AUTHORIZED REP

DATE



BPG Designs, LLC
7307 S. Harl Ave, Suite 1 Tempe,
Arizona 85283
USA
(602) 954-2223

Prepared By:
James Stroud 480-
599-2226
jstroud@bpgdesigns.com

CITY OF APACHE JUNCTION
300 E Superstition Blvd
Apache Junction, AZ 85119
United States

Doug Wirthgen

480-474-5147
dworthgen@apachejunctionaz.gov

Project: CITY OF APACHE JUNCTION FIBER EXPANSION SEGMENT 4

BPG AZ STATE CONTRACT #CTR075703

Scope of Work

- *Provide Design for permit*
- *White line and call in Blue Stake 811 ticket*
- *Provide and install (2) 2" and (1) 1" conduit system (approximately 6,115 ft from SW corner of E Broadway Ave to SE corner of E Broadway Ave and S Pennsylvania Ave)*
- *Provide and install #12 AWG tracer wire in (1) 1" conduit*
- *Provide and install 2500lb tensile strength mule tape in (2) 2" conduits*
- *Provide and install (10) #9 pull boxes*
- *Provide and install 144 ct SMFO cable (approximately 7,200 ft w/slack loops)*
- *Fusion splice 144 ct SMFO cable at SW corner of E Broadway Ave and S Tomahawk Rd*
- *Fusion splice 144 ct SMFO cable at SE corner of E Broadway Ave and S Pennsylvania Ave*

BPG will provide testing and as-builts per City of Apache Junction IT Standards and Specifications

Included (+)

1. Test Results
2. As-builts
3. Traffic Control
4. Restoration as needed

Excluded (-)

1. All Permits and Fees
 2. Payment and Performance Bonds
 3. Micro-seal or slurry seal
 4. ADA removal and restoration
 5. Any work done outside original scope
 6. Configuration of switches, routers or other hardware, including Wireless Access Points and configuration.
- Excludes security devices such as card readers, motion sensors, glass breaks etc.

Any additional work not specified in this scope of work will be documented and a formal change request will be sent to the client for approval. No additional work will be performed by BPG without written approval from the client.

Phone Systems, Network Devices, Active Equipment are not included, unless otherwise stated in the proposal. Any other Control Components are not included in this proposal as directed, unless otherwise specified.



**CITY OF APACHE JUNCTION FIBER EXPANSION SEGMENT 4
BPG AZ STATE CONTRACT#CTR075703**

BPG DESIGNS, LLC| 7307 S. HARL AVE, SUITE1

P (602) 954-2223

CUSTOMER

Doug Wirthgen

ESTIMATE NO

COAJFOS440626

DATE

4/8/2026

ADDRESS

300 E Superstition Blvd

CITY/STATE/ZIP

Apache Junction, AZ 85119

PHONE

(480) 474-5147

E-MAIL

dwirthgen@apachejunctionaz.gov

SENIOR PROJECT MANAGER

James Stroud

PROJECT

CITY OF APACHE JUNCTION FIBER
EXPANSION SEGMENT 4

PREPARED BY:

James Stroud

ATTENTION

Doug Wirthgen

PAYMENT TERMS

Net 30

DUE DATE

5/8/2026

QUANTITY	DESCRIPTION		AMOUNT
12400	2" SDR11 Orange	\$0.81	\$10,044.00
6200	1" SDR11 Orange	\$0.36	\$2,232.00
6200	WP2500P5: 2500LB PRINTED MULETAPE 5000FT	\$0.05	\$310.00
6200	#12 AWG 7-STRAND HHW X 500FT SPOOL BLACK	\$0.42	\$2,604.00
40	ADTEC-20005097: 2.00in CLEAR-LOCK HDPE COUPLER	\$9.49	\$379.60
20	ADTEC-20005662: 1.00in IPS CLEAR-LOCK HDPE COUPLER	\$5.38	\$107.60
20	CALAM-5120-20: BLANK DUCT PLUG, LOOP NUT, 2.00in - 50mm	\$5.87	\$117.40
20	CALAM-7120-052-075: 2.00in - 50mm F/O SIMPLEX PLUG, PORT 0.52in-0.75in - 13.21mm-19.05mm	\$10.33	\$206.60
20	CALAM-7110-051-071: 1.00in - 25mm F/O SIMPLEX PLUG, PORT 0.51in-0.71in - 12.95mm-18.03mm	\$7.36	\$147.20
10	DURAB-PC304824-T22-2PC: 30x48x36 PC HANDHOLE ASSY, TIER 22 2 PC LID, LOGO RECESS, EMS MARKER	\$891.25	\$8,912.50
7200	OFS #AT-3CE12YT-144, Cable, Fiber Optic. 144 Fiber, loose tube, Dry-dry,non-armored, all dielectric strength member, ESM Bend Improved glass	\$1.14	\$8,208.00
2	COMMSCOPE, 931866-000 FOSC 450 FIBER OPTIC SPLICE FOSC450-D6-6-NT-0-D6V	\$490.59	\$981.18
4	COMMSCOPE, 915167-000SPLICE TRAY FOSC-ACC-D-TRAY-72-KIT	\$37.38	\$149.52

SUMMARY

COST TYPE	
LABOR AND OVERHEAD	\$202,711.50
MATERIALS	\$34,399.60

THIS PROPOSAL INCLUDES THE CONDITIONS NOTED:

SUBTOTAL	\$237,111.10
TAX RATE	9.10%
SALES TAX	\$3,130.36
OTHER	
TOTAL	\$240,241.46

SIGN BELOW TO ACCEPT QUOTE:

AUTHORIZED REP

DATE



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7307 S. Harl Ave, Suite 1 Tempe,
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USA
(602) 954-2223

Prepared By:
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CITY OF APACHE JUNCTION
300 E Superstition Blvd
Apache Junction, AZ 85119
United States

Doug Wirthgen

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dworthgen@apachejunctionaz.gov

Project: **CITY OF APACHE JUNCTION FIBER EXPANSION SEGMENT 5 BPG AZ STATE CONTRACT #CTR075703**

Scope of Work

- *Provide Design for permit*
- *White line and call in Blue Stake 811 ticket*
- *Provide and install (2) 2" and (1) 1" conduit system (approximately 4,177 ft from E Baseline Ave and S Winchester Rd to NE corner of E Baseline Ave and S Tomahawk Rd)*
- *Provide and install #12 AWG tracer wire in (1) 1" conduit*
- *Provide and install 2500lb tensile strength mule tape in (2) 2" conduits*
- *Provide and install (2) 4'x4' vaults – replace (2) existing pull box on the South side of E Baseline Ave across from S Winchester Rd and in front of Public Works Bldg*
- *Provide and install (5) #9 pull boxes*
- *Provide and install (2) 2" conduits and (1) 1" conduit system (approximately 160') from new 4'x4' vault in front of Public Works Bldg to the NE corner of the Public Works Bldg*
- *Provide and install (1) 18"x18"x8" Nema 3R enclosure on NE corner of Public Works Bldg*
- *Provide (2) 2" riser conduits and (1) 1" riser conduit from below grade stubbed out conduit to new Nema 3R enclosure (approximately 5ft)*
- *Continue (2) 2" conduits to the second-floor 2nd floor (approximately 15') and core 2 x 2.25" core holes*
- *Provide and install 144 ct SMFO cable (approximately 5,500 ft w/slack loops)*
- *Provide and install (1) Corning CCH-04U fiber panel*
- *Provide and install (12) CCH-CS12-B3-P00RE splice cassettes*
- *Fusion splice 144 ct SMFO cable at NE corner of E Broadway Ave and S Tomahawk Rd*
- *Fusion splice 144 ct SMFO cable at Public Works Bldg 2nd floor MDF*

BPG will provide testing and as-builts per City of Apache Junction IT Standards and Specifications

Included (+)

1. Test Results
2. As-builts
3. Traffic Control
4. Restoration as needed

Excluded (-)

1. All Permits and Fees
2. Micro-seal or slurry seal
3. ADA removal and restoration
4. Any work done outside original scope
5. Configuration of switches, routers or other hardware, including Wireless Access Points and configuration.

Excludes security devices such as card readers, motion sensors, glass breaks etc.

Any additional work not specified in this scope of work will be documented and a formal change request will be sent to the client for approval. No additional work will be performed by BPG without written approval from the client.

Phone Systems, Network Devices, Active Equipment are not included, unless otherwise stated in the proposal. Any other Control Components are not included in this proposal as directed, unless otherwise specified.



**CITY OF APACHE JUNCTION FIBER EXPANSION SEGMENT 5
BPG AZ STATE CONTRACT#CTR075703**

BPG DESIGNS, LLC| 7307 S. HARL AVE, SUITE1

P (602) 954-2223

CUSTOMER

Doug Wirthgen

ESTIMATE NO

COAJFOSS40626

DATE

4/8/2026

ADDRESS

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CITY/STATE/ZIP

Apache Junction, AZ 85119

PHONE

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SENIOR PROJECT MANAGER

James Stroud

PROJECT

CITY OF APACHE JUNCTION FIBER EXPANSION SEGMENT 5

PREPARED BY:

James Stroud

ATTENTION

Doug Wirthgen

PAYMENT TERMS

Net 30

DUE DATE

5/8/2026

QUANTITY	DESCRIPTION		AMOUNT
8800	2" SDR11 Orange	\$0.81	\$7,128.00
4400	1" SDR11 Orange	\$0.36	\$1,584.00
4400	#12 AWG 7-STRAND HHW X 500FT SPOOL BLACK	\$0.42	\$1,848.00
8800	WP2500P5: 2500LB PRINTED MULETAPE 5000FT	\$0.05	\$440.00
5	DURAB-PC304824-T22-2PC: 30x48x36 PC HANDHOLE ASSY, TIER 22 2 PC LID, LOGO RECESS, EMS MARKER	\$891.25	\$4,456.25
2	OldCastle 504-LA CLOSED BOTTOM VAUL, ID 4'X4', TOP W/30"ROUND CAST IRON RING & COVER MARKED CITY OF APACHE JUNCTION FIBER OPTIC	\$5,706.88	\$11,413.76
60	ADTEC-20005097: 2.00in CLEAR-LOCK HDPE COUPLER	\$9.49	\$569.40
30	ADTEC-20005662: 1.00in IPS CLEAR-LOCK HDPE COUPLER	\$5.38	\$161.40
14	CALAM-7110-051-071: 1.00in - 25mm F/O SIMPLEX PLUG, PORT 0.51in-0.71in - 12.95mm-18.03mm	\$7.36	\$103.04
14	CALAM-5120-20: BLANK DUCT PLUG, LOOP NUT, 2.00in - 50mm	\$5.87	\$82.18
14	CALAM-7120-052-075: 2.00in - 50mm F/O SIMPLEX PLUG, PORT 0.52in-0.75in - 13.21mm-19.05mm	\$10.33	\$144.62
1	Enclosure, Screw Cover, Gray, Nema 3R, 18"x18"x8"	\$414.00	\$414.00
6000	OFS #AT-3CE12YT-144, Cable, Fiber Optic. 144 Fiber, loose tube, Dry-dry,non-armored, all dielectric strength member, ESM Bend Improved glass CORNING CCH-04U	\$1.14	\$6,840.00
1	Closet Connector Housing (CCH) Four Rack Units, Holds 12 CCH Connector Panels CORNING CCH-CS12-B3-P00RE	\$368.86	\$368.86
12	CCH Pigtailed Splice Cassette12 F, LC APC Duplex, Single-mode (OS2), Single-fiber (250 um)	\$551.60	\$6,619.20
1	COMMSCOPE, 931866-000 FOSC 450 FIBER OPTIC SPLICE FOSC450-D6-6-NT-0-DEV	\$490.59	\$490.59
2	COMMSCOPE, 915167-000SPLICE TRAY FOSC-ACC-D-TRAY-72-KIT	\$37.38	\$74.76
2	2" X 10' EMT CONDUIT	\$54.05	\$108.10
1	1" X 10' EMT CONDUIT	\$2.36	\$2.36
1	Unitstrut 10 ft. half slotted strut channel	\$31.05	\$31.05
2	2" PVC Female Adapter Conduit Fitting	\$2.29	\$4.58
1	1" PVC Female Adapter Conduit Fitting	\$1.14	\$1.14
2	2" EMT Threaded LB	\$21.85	\$43.70
10	Unistrut 2" Pipe Clamp	\$1.63	\$16.30
2	2" Compression Connectors	\$2.07	\$4.14
SUMMARY	COST TYPE		
	LABOR AND OVERHEAD		\$158,149.26
	MATERIALS		\$42,949.43
	SUBTOTAL		\$201,098.69
THIS PROPOSAL INCLUDES THE CONDITIONS NOTED:		TAX RATE	9.10%
		SALES TAX	\$3,908.40
		OTHER	
		TOTAL	\$205,007.09

SIGN BELOW TO ACCEPT QUOTE:

AUTHORIZED REP

DATE



BPG Designs, LLC
7307 S. Harl Ave, Suite 1 Tempe,
Arizona 85283
USA
(602) 954-2223

Prepared By:
James Stroud 480-
599-2226
jstroud@bpgdesigns.com

CITY OF APACHE JUNCTION
300 E Superstition Blvd
Apache Junction, AZ 85119
United States

Doug Wirthgen

480-474-5147
dworthgen@apachejunctionaz.gov

Project: **CITY OF APACHE JUNCTION FIBER EXPANSION SEGMENT 6 BPG AZ STATE CONTRACT #CTR075703**

Scope of Work

- Provide Design for fiber pulling permit (ADOT included)
- *Provide and install 144 ct SMFO cable (approximately 10,000 ft w/slack loops)*
- *Fusion splice 144 ct SMFO cable at NW corner of E Old West Hwy and S Tomahawk Rd*

BPG will provide testing and as-builts per City of Apache Junction IT Standards and Specifications

Included (+)

1. Test Results
2. As-builts
3. Traffic Control
4. Restoration as needed

Excluded (-)

1. All Permits and Fees
2. Payment and Performance Bonds
3. Micro-seal or slurry seal
4. ADA removal and restoration
5. Any work done outside original scope
6. Configuration of switches, routers or other hardware, including Wireless Access Points and configuration.

Excludes security devices such as card readers, motion sensors, glass breaks etc.

Any additional work not specified in this scope of work will be documented and a formal change request will be sent to the client for approval. No additional work will be performed by BPG without written approval from the client.

Phone Systems, Network Devices, Active Equipment are not included, unless otherwise stated in the proposal. Any other Control Components are not included in this proposal as directed, unless otherwise specified.



**CITY OF APACHE JUNCTION FIBER EXPANSION SEGMENTS 1- 6 SUMMARY
BPG AZ STATE CONTRACT#CTR075703**

BPG DESIGNS, LLC| 7307 S. HARL AVE, SUITE1

P (602) 954-2223

CUSTOMER

Doug Wirthgen

ESTIMATE NO

COAJFOS1-640626

DATE

4/8/2026

ADDRESS

300 E Superstition Blvd

CITY/STATE/ZIP

Apache Junction, AZ 85119

PHONE

(480) 474-5147

E-MAIL

dworthgen@apachejunctionaz.gov

SENIOR PROJECT MANAGER

James Stroud

PROJECT

CITY OF APACHE JUNCTION FIBER
EXPANSION SEGMENT 6

PREPARED BY:

James Stroud

ATTENTION

Doug Wirthgen

PAYMENT TERMS

Net 30

DUE DATE

5/8/2026

SUMMARY	COST TYPE	AMOUNT
	LABOR AND OVERHEAD	\$1,044,596.76
	MATERIALS	\$217,148.86
	SUBTOTAL	\$1,261,745.62
	TAX RATE	9.10%
	SALES TAX	\$19,760.55
	OTHER	
	TOTAL	\$1,281,506.17

THIS PROPOSAL INCLUDES THE CONDITIONS NOTED:

INCLUDED(+)

1. TEST RESULTS
2. AS-BUILTS
3. TRAFFIC CONTROL
4. RESTORATION AS NEEDED

EXCLUDED(-)

1. ALL PERMITS AND FEES
2. PAYMENT AND PERFORMANCE BONDS
3. MICRO-SEAL OR SLURRY SEAL
4. ADA REMOVAL AND RESTORATION
5. ANY WORK DONE OUTSIDE ORIGINAL SCOPE
6. CONFIGURATION OF SWITCHES, ROUTERS, OR OTHER HARDWARE, INCLUDING WIRELESS ACCESS POINTS AND CONFIGURATION.
EXCLUDES SECURITY DEVICES SUCH AS CARD READERS, MOTION SENSORS, GLASS BREAKS, ETC.
ANY ADDITIONAL WORK NOT SPECIFIED IN THIS SCOPE OF WORK WILL BE DOCUMENTED AND A FORMAL CHANGE REQUEST WILL BE SENT TO THE CLIENT FOR APPROVAL.
NO ADDITIONAL WORK WILL BE PERFORMED BY BPG WITHOUT WRITTEN APPROVAL FROM THE CLIENT.
PHONE SYSTEMS, NETWORK DEVICES, ACTIVE EQUIPMENT ARE NOT INCLUDED, UNLESS OTHERWISE STATED IN THE PROPOSAL.
ANY OTHER CONTROL COMPONENTS ARE NOT INCLUDED IN THIS PROPOSAL AS DIRECTED, UNLESS OTHERWISE SPECIFIED.

SIGN BELOW TO ACCEPT QUOTE:

AUTHORIZED REP

DATE