

CHANGE ORDER Relocate Traffic Controller

No. 5

DATE OF ISSUANCE 4/13/2020

EFFECTIVE DATE _____

PROJECT: **MEYERS ROAD EXTENSION**OWNER **CITY OF OREGON CITY**CONTRACTOR **CANBY EXCAVATING INC**

Contract: _____

OWNER's Contract No. **CI 17-001**ENGINEER's Project No. **0517-0006**ENGINEER **OBEC CONSULTING ENGINEERS**

You are directed to make the following changes in the Contract Documents :

Modifications to traffic signal systems per Attachment 1.

Reason for Change Order: Please see Attachment 1

CHANGE IN CONTRACT PRICE:		CHANGE IN CONTRACT TIMES:
Original Contract Price: \$ 7,218,786.00		Original Contract Times: Substantial Completion: 530 DAYS Ready for final payment _____ (days or dates)
Net Increase from previous Change Orders No. 1 to No. 4: \$ 109,317.51		Net change from previous Change Orders No. 1 to No. 4: Substantial Completion: 20 days Ready for final payment: _____ (days)
Contract Price prior to this Change Order: \$ 7328103.51		Contract Times prior to this Change Order: Substantial Completion: 550 days Ready for final payment: _____ (days or dates)
Net Increase of this Change Order: \$ 22,337.69		Net Increase (Decrease) of this Change Order: Substantial Completion: 0 Ready for final payment: _____ (days)
Contract Price with all approved Change Orders: \$ 7350441.2		Contract Times with all approved Change Orders: Substantial Completion: 550 days Ready for final payment: _____ (days or dates)

RECOMMENDED:

By: _____
ENGINEER (Authorized Signature)Date: April 22, 2020

APPROVED:

By: _____
OWNER (Authorized Signature)

Date: _____

ACCEPTED:

By: J. S. Jr.
CONTRACTOR (Authorized Signature)Date: 4/22/2020

EJCDC No. 1910-8-B (1996 Edition)

Prepared by the Engineers Joint Contract Documents Committee and endorsed by The Associated General Contractors of America and the Construction Specifications Institute.

MEYERS ROAD EXTENSION PROJECT, CI 17-001 CITY OF OREGON CITY

Contract Change Order No. 5

Attachment No. 1

THIS CONTRACT IS HEREBY MODIFIED AS FOLLOWS (DESCRIPTION AND LOCATION OF WORK COVERED BY THIS ORDER):

4005A: A plan update removed some equipment from our scope of work. This represents the credit for the equipment no longer required. (Please see Attachment No. 2 for revised Sheet TS-10)

4005B: This change order compensates the contractor for the power service connection for the traffic signal as required by PGE. (see Attachment No. 3, revised sheets TS-3)

4005C: This change order compensates the contractor for obtaining a Bond for the ODOT Grant of Access, if needed, in 2021.

SPECIFICATIONS AND PROVISIONS – THE WORK TO BE DONE UNDER THIS ORDER IS TO BE PERFORMED, MEASURED, AND PAID FOR IN ACCORDANCE WITH THE TERMS FOR THE ABOVE CONTRACT EXCEPT AS MODIFIED AS FOLLOWS-

Perform all work in accordance with 00950, 00960, 00970, 00990 and 00996, as shown or specified in the Project-specific drawings and Special Provisions, or as directed by the Engineer. This Contract Change Order has no impact on Contract Time.

4005A: This change order removes the following equipment items:

- Cellular Router R1400, Power Cord, ODOT Comm Panel Fiber
- RSL910-H1-D-V1-V1-CO1, Power Cord, ODOT Comm Panel Fiber

The credit of (\$5,331) issued under this order will be included in the change order as a lump sum item, “Deleted ODOT Signal Cabinet Equipment”.

4005B: This change order covers the following work:

- Potholing w/traffic control
- Demo one or two sidewalk panels
- Approximately 130 feet of drilling under Highway 213
- Furnish and install 444 PGE Padmount Vault
- Install conduit as shown on drawings
- Restore sidewalk panels

There will be no measurement made of this work. Payment will be payment in full for furnishing and placing all materials, and for furnishing all equipment, labor and incidentals necessary to complete the work as specified. The accepted quantity of work performed under this order will be paid for at the change order lump sum item of "Signal Service Connect" in the amount of \$17,086.04.

4005C: This change order covers the following work:

- Renew bond for ODOT Grant of Access that covers the \$900,000 requirement

Payment will be payment in full for furnishing a bond in 2021 as specified. The accepted quantity of work performed under this order will be paid for at the change order unit price of "2021 ODOT Bond" in the amount of \$10,582.65.

**ADDITIONAL INFORMATION THAT IS NOT INCLUDED ON ORDER
(ADDITIONAL DESCRIPTION; WHO REQUESTED; WHY NECESSARY; WHY
COST IS NOT CONTRACTOR RESPONSIBILITY; PARTIES OTHER THAN STATE
OR FHWA THAT HAVE AGREED TO SHARE THE COSTS; EMERGENCY WORK
PRIOR TO APPROVAL; ESTIMATE EFFECT ON PROJECT TIME; SIGNIFICANT
DISCUSSIONS; REFERENCES TO SUPPORTING AND/OR ATTACHED
DOCUMENTS, INCLUDING COST ESTIMATES FOR 'EXTRA WORK ORDERS' AND
"FORCE ORDERS"; WHY CONTRACTS REFUSES TO SIGN). LIST ALL
PREVIOUSLY APPROVED OVERRUNS.**

4005A: It was identified after bidding that some of the equipment included in the plans for the ODOT Traffic Signal Cabinets was unnecessary per ODOT Region 1. A revision to Sheet TS-10 was made and provided to the Contractor with a request for a credit for the deleted equipment.

Supporting Documents, A:

- CHANGE ORDER REQUEST – EQUIPMENT CREDIT R1400 & RSL910

4005B: The electrical service connection for the traffic signal was not included in the contract at the time of bid. It was not included in the bid package because PGE did not have their design completed at the time of bid. The revised construction drawings were provided to the Contractor and a price proposal was requested for the additional work. Upon receipt of the price proposal, it was reviewed by the Engineer and deemed acceptable.

Supporting Documents, B:

- CHANGE ORDER REQUEST – RELOCATE TRAFFIC CONTROLLER POWER TO EAST SIDE OF 213

An independent cost estimate by the Engineer is included as Supporting Documents, C.

4005C: ODOT is requiring an additional bond for the added work being done at the intersection of OR213 and Meyers Rd. If the work is not completed by the end of 2020, the bond will need to be renewed and active for the 2021 calendar year.

Supporting Documents, D

INTERCONNECT DETAILS

CHANGE ORDER 5 - ATTACHMENT 2, PAGE 1

INTERCONNECT DETAILS
CASCADE HIGHWAY SOUTH @ MEYERS ROAD
OR213 @ M.P. 3.85
(OREGON CITY)

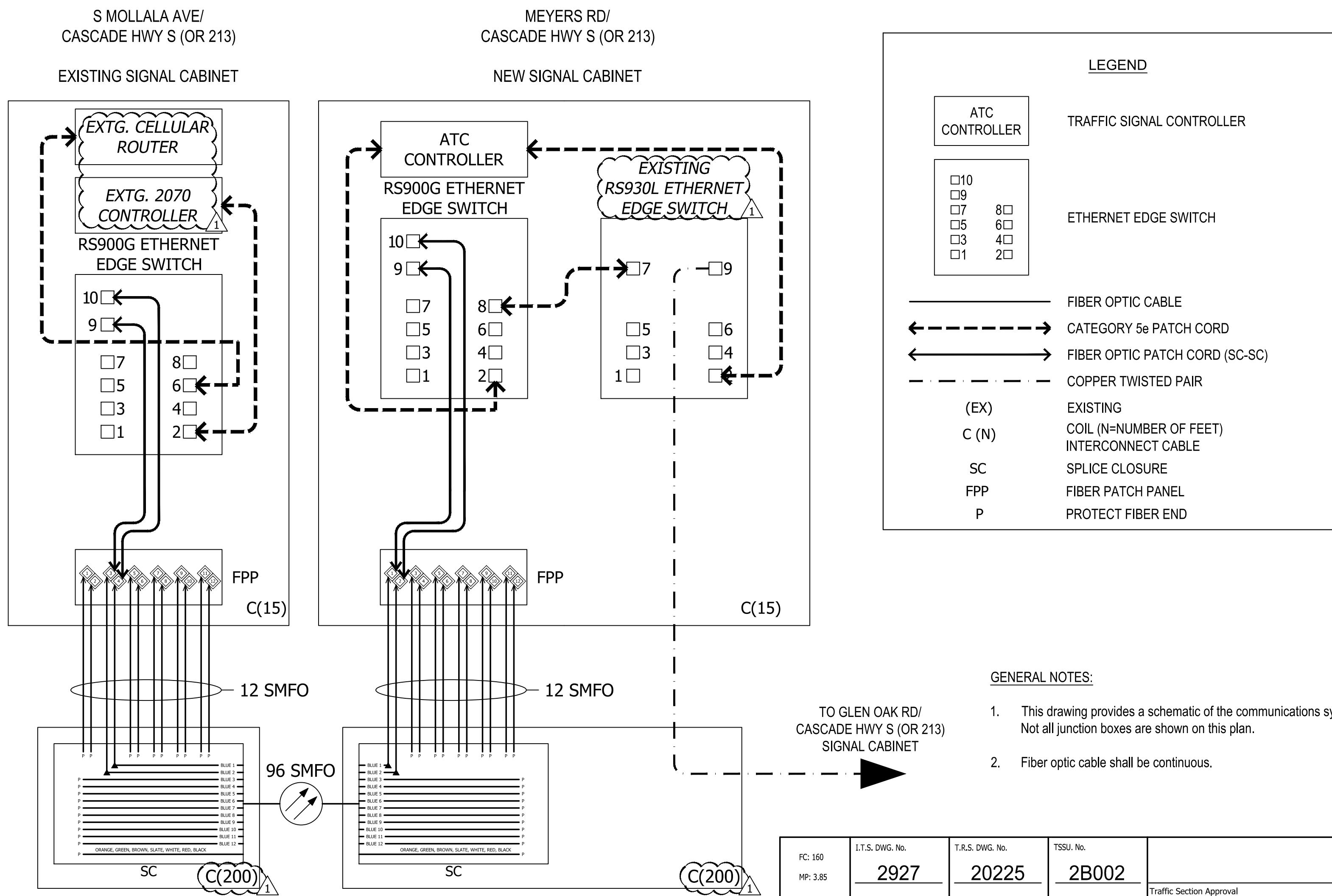


COMMUNICATION COMPONENT SCHEDULE			
LOCATION:	COMMUNICATIONS COMPONENTS	QUANTITY	OPTIC CONNECTION(S) TYPE
S MOLALLA AVE / CASCADE HWY S (OR 213)	A) ETHERNET EDGE SWITCH RS900G* SIEMENS PART NO. 6GK6090-0GS23-0BA1-Z A05	1	-
	B) SIX-FOOT POWER CABLE WITHOUT LUGS (BARE-WIRE) (FOR RUGGEDCOM RS900G SWITCH) SIEMENS PART NO. 6GK6000-8BB00-0AA0	1	-
	C) EXISTING CELLULAR ROUTER PART NO. R1400-3-B-1-A03-C00-D00-E00-F01-00	1	-
	D) INDUSTRIAL ETHERNET CABLE	1	-
	E) FIBER PATCH PANEL	1	-
	F) FIBER OPTIC PATCH CORD	2	-
	REMOVED COMMUNICATIONS BRACKET		

* CONTRACTOR TO DELIVER SWITCH GEAR TO RENEE MERCADO (503-731-3209) WITH ODOT. ODOT WILL CONFIGURE AND INSTALL SWITCH GEAR.

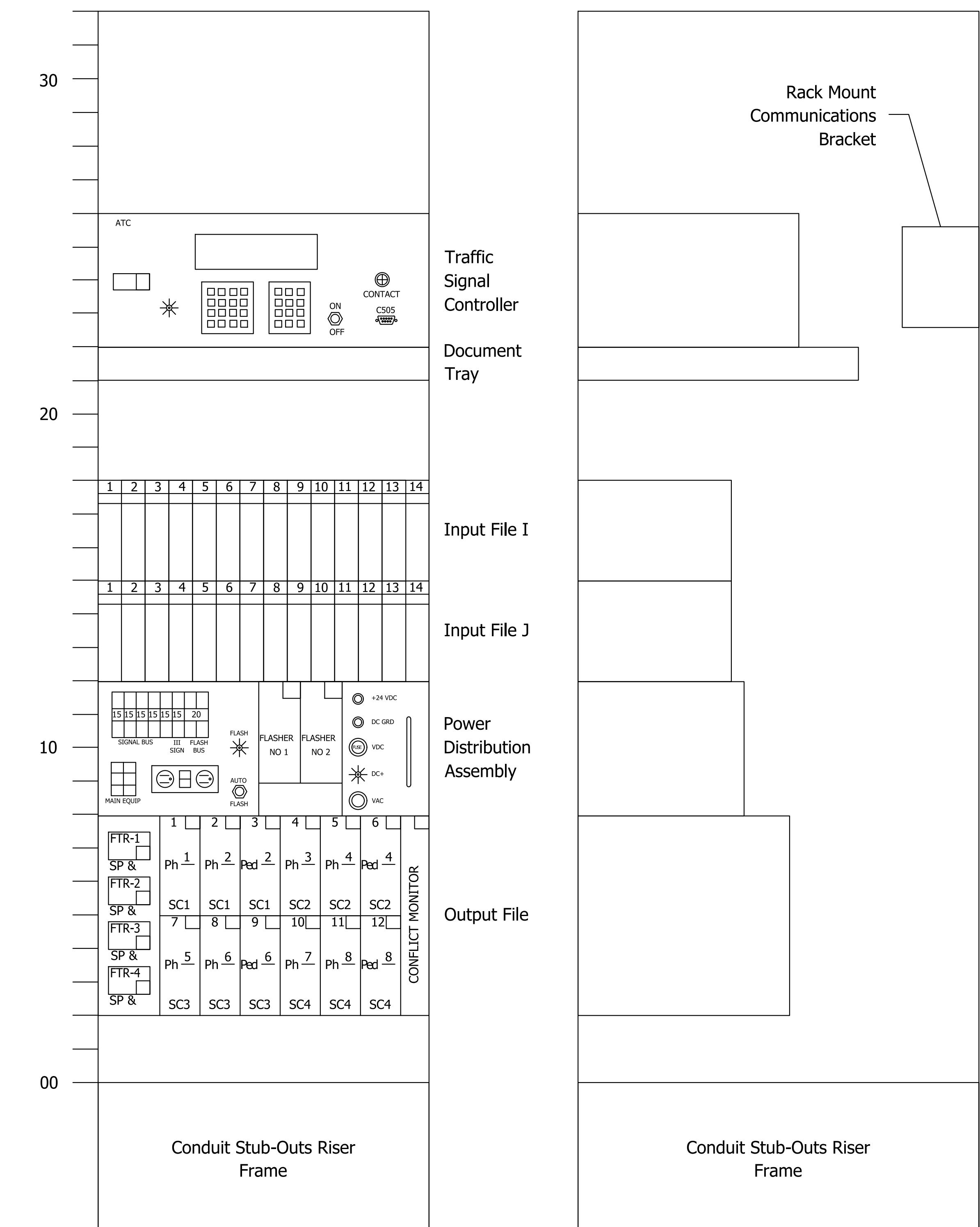
COMMUNICATION COMPONENT SCHEDULE			
LOCATION:	COMMUNICATIONS COMPONENTS	QUANTITY	OPTIC CONNECTION(S) TYPE
MEYERS RD/ CASCADE HWY S (OR 213)	A) ETHERNET EDGE SWITCH RS900G* SIEMENS PART NO. 6GK6090-0GS23-0BA1-Z A05	1	-
	B) EXISTING ETHERNET EDGE SWITCH RS930L SIEMENS PART NO. 6GK6093-0AD23-0BA0-Z A00+000	1	-
	C) SIX-FOOT POWER CABLE WITHOUT LUGS (BARE-WIRE) (FOR RUGGEDCOM RS900G SWITCH) SIEMENS PART NO. 6GK6000-8BB00-0AA0	2	-
	D) INDUSTRIAL ETHERNET CABLE	1	-
	E) FIBER PATCH PANEL	1	-
	F) FIBER OPTIC PATCH CORD	2	-
	REMOVED COMMUNICATIONS BRACKET		

* CONTRACTOR TO DELIVER SWITCH GEAR TO RENEE MERCADO (503-731-3209) WITH ODOT. ODOT WILL CONFIGURE AND INSTALL SWITCH GEAR.



TYPICAL CABINET LAYOUT - TYPE 332 STRETCH

Cabinet Rack (Front View) Cabinet Rack (Side View) Back



INTERCONNECT DETAILS

OC PROJECT# CL-17-001
MEYERS ROAD EXTENSION PROJECT
MEYERS ROAD
CLACKAMAS COUNTY

REVISIONS
DRAWING NUMBER: TS-10
SHEET OF

SUPPORTING DOCUMENTATION

A

Change Order Request – Equipment Credit – R1400 & RSL910

A plan update removed some equipment from our scope of work. This represents the credit for the equipment no longer required.

Scope of work

This change order removes the following equipment items

- Cellular Router R1400, Power Cord, ODOT Comm Panel Fiber
- RSL910-H1-D-V1-V1-CO1, Power Cord, ODOT Comm Panel Fiber

Cost Impact of Change Order

The cost of this change order is -\$5,331.00



Estimator SCOTT SMITH
Phone 503-362-1054
EXT 6703

Quote #
Date: 5/20/2019

Number of pages:

REVISED 7/9/19

Project: MEYERS RD EXTENSION PROJECT
BID ITEM 86

QTY	P/N	DESCRIPTION	Unit Price:	EXT Price
MOLLA AVE. @ OR213				
1	S67225	RS900G-HI-D-2SC10-C01		
1	S67225	POWER CORD		
0	S67225	CELLULAR ROUTER R1400		
0	S67225	POWER CORD		
0	M46050-1	ODOT COMM PANEL FIBER		
			\$	1,707.00
MEYERS RD @ OR213				
1	S67225	RS900G-HI-D-2SC10-C01		
1	S67225	POWER CORD		
0	S67225	RSL910-HI-D-V1-V1-C01		
0	S67225	POWER CORD		
0	M46050-1	ODOT COMM PANEL FIBER		
			\$	1,707.00
TOTAL: \$				<u>3,414.00</u>

NOTE: ONLY ITEMS LISTED ARE INCLUDED
NO FIBER OR ETHERNET CABLES INCLUDED

McCain, Inc. is an international corporation with factories, vendors and suppliers located throughout the world. Unless specifically noted, we are not aware and/or may not comply with Buy America requirements to this project. McCain, Inc. can comply with Buy America requirements, provided we are made aware of such requirements at time of quotation; pricing and / or material subject to change.

Please reference quote number on PO
Prices firm for 60 days.
Freight is included.
Delivery: 60 days ARO unless stock is available.



Estimator SCOTT SMITH
Phone 503-362-1054
EXT 6703

Quote #
Date: 5/20/2019

Number of pages:

Project: MEYERS RD EXTENSION PROJECT
BID ITEM 86

QTY	P/N	DESCRIPTION	Unit Price:	EXT Price
MOLLALA AVE. @ OR213				
1	S67225	RS900G-HI-D-2SC10-C01		
1	S67225	POWER CORD		
1	S67225	CELLULAR ROUTER R1400		
1	S67225	POWER CORD		
1	M46050-1	ODOT COMM PANEL FIBER		
			\$	4,492.00
MEYERS RD @ OR213				
1	S67225	RS900G-HI-D-2SC10-C01		
1	S67225	POWER CORD		
1	S67225	RSL910-HI-D-V1-V1-C01		
1	S67225	POWER CORD		
1	M46050-1	ODOT COMM PANEL FIBER		
			\$	4,253.00
TOTAL: \$				<u>8,745.00</u>

NOTE: ONLY ITEMS LISTED ARE INCLUDED
NO FIBER OR ETHERNET CABLES INCLUDED

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Please reference quote number on PO
Prices firm for 60 days.
Freight is included.
Delivery: 60 days ARO unless stock is available.

SUPPORTING DOCUMENTATION

B

Change Order Request – Relocate Traffic Controller Power to East Side of 213

This change order covers moving the traffic controller power to the east side of 213.

Scope of work

This change order covers the following work:

- Potholing w/traffic control
- Demo one or two sidewalk panels
- Approximately 130 feet of drilling under Highway 213
- Furnish and install 444 PGE Padmount Vault
- Install conduit as shown on drawings
- Restore sidewalk panels

Cost Impact of Change Order

The cost of this change order is \$17,086.04



P.O. Box 848 x Canby, OR 97013
 Phone: (503) 266-2792 x Fax: (503) 266-2791
 CCB #77471

Project Name: Meyers Road Extension

Date: 2/17/2020

Description: Relocate Traffic Controller Power

Total Direct Cost Impacts:	Labor Costs:	\$ 3,975.93
	Equipment Costs:	\$ 494.21
	Equipment Standby Costs:	\$ -
	Trucking Costs:	\$ 648.00
	Rental Equipment Costs	\$ -
	Material Costs:	\$ 819.00
	Subcontractor Costs:	\$ 10,854.00
		<hr/>
Cost Impact to CEI:		\$ 16,791.14
Bonding and Insurance @ 1.25%		\$ 209.89
Oregon Corp Activity Tax @ 0.5%		\$ 85.01
Total Cost Impact to CEI:		\$ 17,086.04

Labor Costs:

Labor	QTY	Unit	\$/Unit	Total
Labor 1 (Top Hand Gen. Labor)	12	hr	\$51.27	\$615.24
Labor 2 (Pipe Layer, Grade Checker)	12	hr	\$52.64	\$631.68
Labor 3 (Flagger)	24	hr	\$46.38	\$1,113.12
Overtime Adder Labor 3	24	hr	\$13.36	\$320.64
Operator 5 (Dozer 650, Backhoe, Mini, Off-Rd Truck)	4	hr	\$59.57	\$238.28
Superintendent	4	hr	\$85.00	\$340.00
Labor Subtotal				\$3,258.96
Labor Markup of 22%				\$716.97
Subtotal CEI Direct Labor Costs				\$3,975.93

Equipment Costs:

Equipment	QTY	Unit	\$/Unit	Total
Mini Hoe	4	hr	\$49.50	\$198.00
Pipe Crew Truck (2 Door)	12	hr	\$18.70	\$224.40
Equipment Subtotal				\$422.40
Equipment Markup of 17%				\$71.81
Subtotal CEI Direct Equipment Costs				\$494.21

Trucking Costs

Trucking	QTY	Unit	\$/Unit	Total
Solo Dump Truck	6	hr	\$100.00	\$600.00
Trucking Subtotal				\$600.00
Trucking markup of 8%				\$48.00
Subtotal CEI Direct Trucking Costs				\$648.00

Material Costs:

Material	QTY	Unit	\$/Unit	Total
Concrete	1	LS	\$700.00	\$700.00
Material Subtotal				\$700.00
Material markup of 17%				\$119.00
Subtotal CEI Direct Material Costs				\$819.00

Subcontractor Costs:

Subcontractors	QTY	Unit	\$/Unit	Total
Directional Drilling (Aaken)	130	LF	\$30.00	\$3,900.00
PGE Vault (Aaken)	1	EA	\$1,500.00	\$1,500.00
Labor (Aaken)	1	LS	\$2,900.00	\$2,900.00
Equipment (Aaken)	1	LS	\$1,750.00	\$1,750.00
Subtotal Subcontractor Services				\$10,050.00
Subcontractor Services Mark Up of 8%				\$804.00
Subtotal Subcontractor Services plus Mark Up				\$10,854.00

COMMERCIAL LEGEND

NEW PGE FACILITIES TO BE INSTALLED

(UNLESS OTHERWISE SPECIFIED)

44-PGE PADMOUNT VAULT, WITH 44-2125-PGE TOP,
PROVIDED & INSTALLED BY CUSTOMER

INSTALL CUTOUT
SIZE FUSING AS NOTED

INSTALL 1-#2 AL-EPR JKT PRIMARY IN 2" PVC CONDUIT
PROVIDED & INSTALLED BY CUSTOMER

INSTALL 1-4/0 AL-TX SECONDARY IN 3" PVC CONDUIT
PROVIDED & INSTALLED BY CUSTOMER

M2352678-RELOCATES TRANSMISSION POLE 2933
M2420272 LIGHTING JOB MEYERS EXTENSION

IT ON STER IT OMM. 5" SEC.

WL 1

PD-91
WL 2
INSTALL:
B Ø 25 KVA
444-PGE PADMOUNT BY CUSTOMER
7200V, 120/240V, 1 Ø, 3W

PD-91
B 25

**120/240V
200 AMP
BASE MOUNTED
SERVICE CABINET
.04%VD
8,135A AFC**

WL 2

HWY 213

ABC 300 1406
19703

PD-221

C 10 35359
142 6 T
130°
B 2 AL

2932 50'-3 1990

**CANEMAH-LELAND
795KCMAAC57 KV**

13966

3 30'-4 2000

3 - 143 100 T

2933 80 1 DFIR

4 25'-4 2000

A 1/0 AL-TX

ABC 2/0 AL

MEYERS RD

D3 2-09C

ABC 3/36 AAC N 1/0 ACSR

52 45'-4 2012

13825

19765

2934 40'-3 1985

TRAILS END HWY

A 25 50367

VT-750
19600

M2420272

A 1/0 AL-TX

728 35'-Unknown None

CUSTOMER TO CALL TO REMOVE EXISTING METER #25954245IN AND DISCONNECT AT WEATHERHEAD WHEN READY. METER FEEDS CURRENT TRAFFIC SIGNALS. DROP FROM 10-35359 ALSO FEEDS STREET LIGHT. LEAVE LIGHT ENERGIZED.

AN₂ ACSR

57 45'-3 2018

444-PGE VAULT
W/ PAD MOUNT LID
PD-91

4-4" PVC
2-2" PVC
TERM-A-DUCTS
ON ALL WALLS

NORTH

1-2" TO PL-2932

WEST

3/4" MINUS
CRUSHED ROCK
6" DEEP (MIN)

SOUTH

**1-3" TO
SERVICE CABINET**

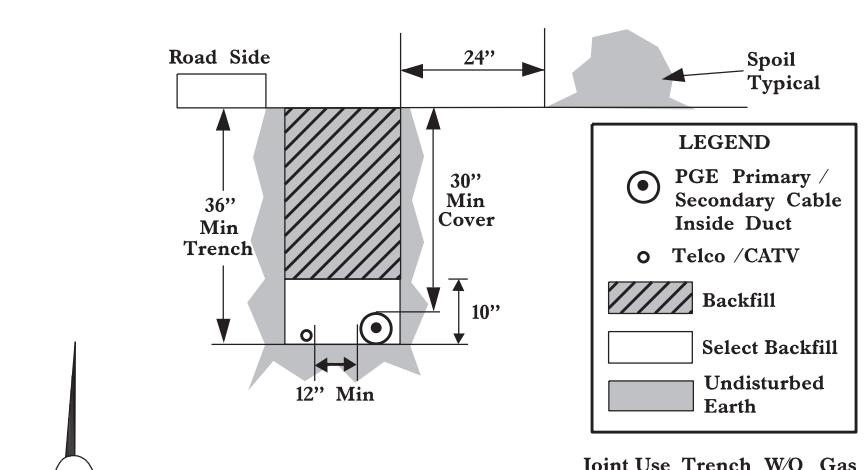
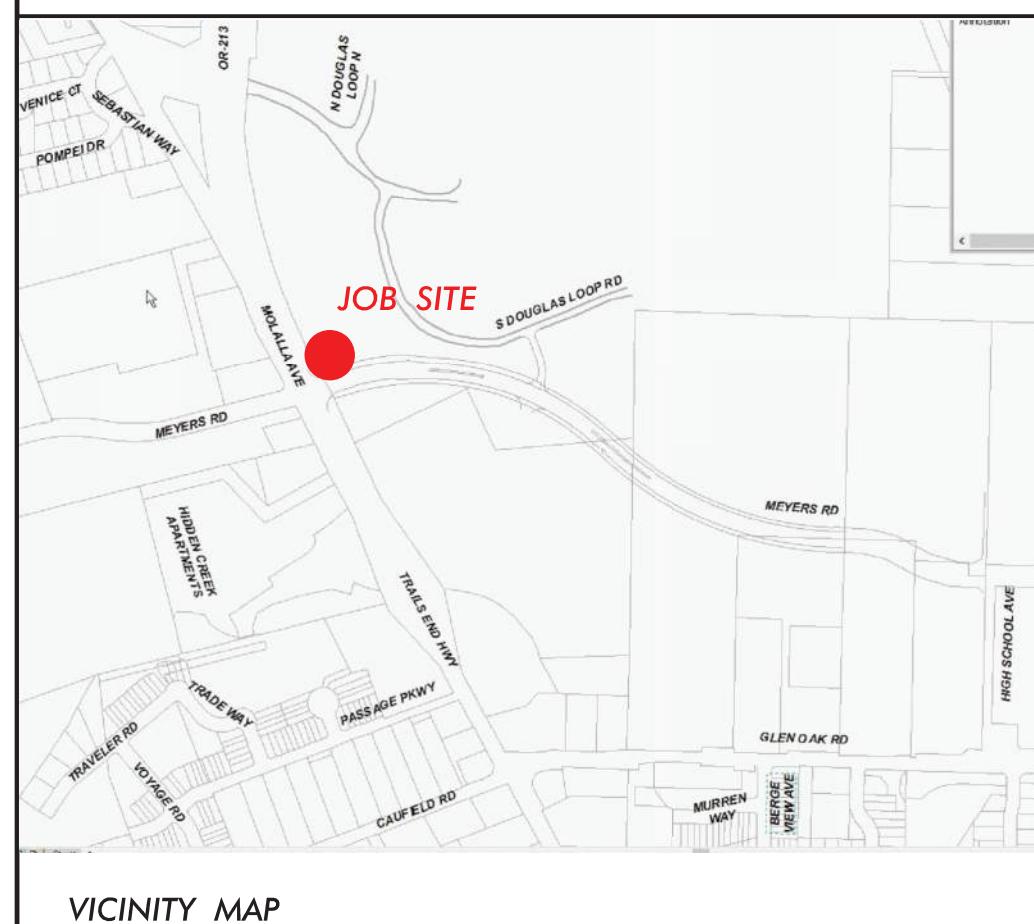
NOTES:

1. VAULTS TO BE SET AT LOCATIONS APPROVED BY PGE.
2. TOP OF LID TO BE SET AT FINAL GRADE, APPROVED BY PGE.
3. DO NOT CROSS PVC BETWEEN VAULTS.
4. INSTALL 500 LB (MIN) TEST PULL-STRING IN EACH PVC.

CONSTRUCTION NOTES:

CMDEV

1. CUSTOMER IS RESPONSIBLE FOR ALL TRENCH, CONDUIT, VAULTS, PADS AND ROAD CROSSINGS. ALL CONDUIT TO BE INSTALLED WITH 30 INCHES (MIN) COVER AT TOP OF CONDUIT FROM FINAL GRADE.
2. A PGE STANDBY CREW IS REQUIRED FOR OPENING ALL ENERGIZED PGE VAULTS, JUNCTION BOXES, AND EQUIPMENT/FACILITIES, INCLUDING CONNECTION OR INSTALLATION OF CONDUITS AND PULL STRINGS. CALL SERVICE COORDINATION AT 503-323-6700 TO SCHEDULE A PGE STANDBY CREW.
3. ALL PGE CONDUCTORS TO BE INSTALLED IN GRAY, SCHEDULE 40, ELECTRICAL GRADE, PVC CONDUIT WITH NYLON PULL STRINGS (MIN, 500 LBS, TEST), PGE TO DETERMINE THE SIZE AND NUMBER OF CONDUITS REQUIRED, MAINTAIN 12 VERTICAL INCHES AND 24 HORIZONTAL INCHES CLEARANCE BETWEEN GAS AND OTHER UTILITIES. ALL ELBOWS 4 INCH & SMALLER TO BE 36 INCH RADIUS. ALL BENDS MUST BE FACTORY MADE. ALL ELBOWS LARGER THAN 4 INCH TO BE 60 INCH RADIUS. RIGID STEEL OR PGE APPROVED, FIBERGLASS BENDS ARE REQUIRED FOR RUNS OF 151 FEET OR LONGER, OR FOR ANY LENGTH RUN WITH MORE THAN 180 DEGREES IN BENDS. PVC SCHEDULE 40 BENDS ARE ACCEPTABLE FOR RUNS OF 150 FEET OR LESS. THE MAXIMUM TOTAL BENDS IN ANY CONDUIT RUN IS 270 DEGREES.
4. DIRECTIONAL BORING REQUIREMENTS: BLACK HDPE (HIGH DENSITY POLYETHYLENE) DUCT OR SCHEDULE 40 PVC WITH A MECHANICAL CONNECTION (CERTA-LOK OR LIKE MECHANICAL CONNECTION PRODUCT) AS AN ALTERNATIVE TO HDPE DUCT. HDPE SHALL MEET THE REQUIREMENTS OF PGE SPECIFICATION L22501 (AVAILABLE ON REQUEST FROM PGE PROJECT MANAGER). FOR SAFETY REASONS THE DUCT SHALL BE BLACK WITH THREE EQUALLY SPACED EXTRUDED RED STRIPES (WHICH IS A SPECIFICATION REQUIREMENT). MANDREL TEST OF HDPE PIPE IS REQUIRED AFTER INSTALLATION WITH PGE INSPECTOR PRESENT.
5. ALL PGE TRANSFORMERS TO BE INSTALLED 8 FEET (MIN) FROM ANY COMBUSTIBLE BUILDING, WALL OR OVERHANG AND 4 FEET (MIN) FROM ANY FIRE HYDRANT. PGE TRANSFORMERS MUST BE WITHIN 15 FEET OF A DRIVEABLE AREA. ALWAYS MAINTAIN 10 FEET CLEARANCE IN FRONT OF ALL TRANSFORMERS.
6. TRANSFORMER PADS ARE TO BE SET SO THAT THE TOP IS 2 INCHES ABOVE FINAL GRADE. CONDUIT IS TO BE INSTALLED IN PAD AS INDICATED IN DETAIL AND TO EXTEND 1 INCH ABOVE THE PAD.
7. STEEL BARRIER POSTS ARE REQUIRED AROUND TRANSFORMERS THAT ARE EXPOSED TO VEHICLES.
8. ALL SWITCH VAULTS TO BE SET AT FINAL GRADE WITH 6 INCH GRAVEL BASE AND CONDUITS ALIGNED TO ENTER THE VAULT END LOWER KNOCKOUTS (TERM-A-DUCTS) . (SEE DETAILS ON SKETCH)
9. PGE TO BE NOTIFIED AND INSPECT ALL CONDUIT, VAULT AND PAD INSTALLATIONS BEFORE BACKFILL. ALL NEW VAULT & PAD LOCATIONS TO BE FIELD VERIFIED WITH PGE AND CUSTOMER REPRESENTATIVE.
10. REFER TO PGE ELECTRICAL SERVICE REQUIREMENTS BOOK FOR FURTHER DETAILS & SPECIFIC REQUIREMENTS. LINK TO WWW.PORTLANDGENERAL.COM/REQBOOK
11. DESIGN IS BASED ON STANDARD UNDERGROUND EQUIPMENT. NON-STANDARD UNDERGROUND EQUIPMENT MAY BE AN OPTION AT AN ADDITIONAL COST TO THE CUSTOMER.
12. THE POINT OF DELIVERY AND DIVISION OF OWNERSHIP BETWEEN THE CUSTOMER AND PGE WILL BE AT THE LINE SIDE OF THE NEW CUSTOMER PROVIDED SWITCH GEAR



PGE FACILITIES NOT DRAWN TO SCALE

THIS DRAWING IS A GRAPHICAL REPRESENTATION OF PORTLAND GENERAL ELECTRIC FACILITIES IN THE FIELD. THIS MAP ILLUSTRATES ELECTRICAL CONNECTIVITY, TYPES AND NUMBERS OF CONDUCTORS AND PLACEMENT OF EQUIPMENT WITHIN THE DISTRIBUTION SYSTEM. IT IS RECOMMENDED THAT THE USER NOT RELY ON THIS DIAGRAM FOR GEOGRAPHICAL LOCATIONS.

RIGHT-OF-WAY PERMIT NOTICE: A PERMIT FROM THE LOCAL JURISDICTION IS REQUIRED BEFORE ANY WORK IN THE RIGHT-OF-WAY MAY BE PERFORMED. ONLY PGE APPROVED CONTRACTORS AND CONTRACTORS WHO HAVE MADE OTHER SPECIAL AGREEMENTS WITH PGE WILL BE ALLOWED TO WORK UNDER PGE'S PERMIT. THE CONTRACTOR MUST NOTIFY THE LOCAL JURISDICTION 48 HOURS BEFORE WORK IS TO BEGIN. A COPY OF THE PERMIT MUST BE ON SITE.

ANY DEVIATION FROM THIS DESIGN MUST
BE APPROVED BY PGE PROJECT MANAGER



503-323-6700 OR 800



1587) 
Know what's below.
Call before you dig.

PGE CONSTRUCTION DRAWING					
DATE: 12/10/2019	SCALE: NTS	ACCOUNT: 1070001	AWO: 100004599	JOB NO. M277677	
	TITLE CITY OF OREGON CITY				
	CIRCUIT LELAND-KELM		SIZE 17x22		
	LOCATION OR 213 & S MEYERS RD, OREGON CITY, 07045				
	DESCRIPTION RELOC TRAFFIC CONTROLLER FROM W/SIDE 213 TO EAST SIDE 213				
	COUNTY CLACKAMAS	SECTION (S) D32-09C		WORK WITH	SHEET 1 OF 1
	DESIGN BY TERRY NEAL	PHONE (503) 463-4322	DRAWN BY S.HOLTAN		
© PORTLAND GENERAL ELECTRIC CO. - ALL RIGHTS RESERVED					

SUPPORTING DOCUMENTATION

C



COST ESTIMATE

NOTICE: FORM MUST BE TYPEWRITTEN

Prepared by Jason Kelly		Project Meyers Road Extension				Contract No. CI 17-001	
Reviewed by		Highway OR213 and Meyers Road			County Clackamas		Sheet 1 of 1
Description of Work Relocate Traffic Controller Power - Canby Excavating				CHECK BOX IF SUBCONTRACTED <input type="checkbox"/>			
ITEM DESCRIPTION		Unit	Materials, Equipment, and Special Services			Labor	
1	Potholing	LS	Quantity 1	Unit Price \$1,000.00	Amount \$1,000.00	Quantity	Unit Price
2	demo extg sidewalk	LS	1	\$200.00	\$200.00		
3	Sidewalk restoration	LS	1	\$1,000.00	\$1,000.00		
4	Erosion Control	LS	1	\$500.00	\$500.00		
5	Survey	LS	1	\$500.00	\$500.00		
6							
7							
8							
9							
10							
11							
12							
ATTACHMENTS			Subtotal	A	\$3,200.00	Subtotal	B
<input type="checkbox"/> WAGE DETERMINATION, FORM 734-1870			Allowance (Ax17%)	C	\$544.00	Allowance (Bx22%)	D
<input type="checkbox"/> OTHER (EXPLAIN BELOW)			Total (A+C)	E	\$3,744.00	Total (B+D)	F
EXPLAIN							
SUBCONTRACTOR SUPPLEMENTAL MARKUP (8%)		G	\$0.00	TOTAL MATERIAL EQUIPMENT, SPECIAL SERVICES, LABOR ALLOWANCE AND SUBCONTRACTORS MARK UP			\$3,744.00
REMARKS, ASSUMED PRODUCTION RATES, SPECIAL CONDITIONS							
See estimate for subcontractor work next sheet.							



COST ESTIMATE

NOTICE: FORM MUST BE TYPEWRITTEN

Prepared by Jason Kelly		Project Meyers Road Extension				Contract No. CI 17-001		
Reviewed by		Highway OR213 and Meyers Road			County Clackamas		Sheet 1 of 1	
Description of Work Relocate Traffic Controller Power - Aaken				CHECK BOX IF SUBCONTRACTED <input checked="" type="checkbox"/>				
ITEM DESCRIPTION		Unit	Materials, Equipment, and Special Services			Labor		
1	Conduit (bored)	FT	130	\$75.00	\$9,750.00			
2	444 PGE Padmount vault	EA	1	\$2,000.00	\$2,000.00			
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
ATTACHMENTS			Subtotal	A	\$11,750.00	Subtotal	B	\$0.00
<input type="checkbox"/> WAGE DETERMINATION, FORM 734-1870 <input type="checkbox"/> OTHER (EXPLAIN BELOW)			Allowance (Ax17%)	C	\$1,997.50	Allowance (Bx22%)	D	\$0.00
EXPLAIN			Total (A+C)	E	\$13,747.50	Total (B+D)	F	\$0.00
SUBCONTRACTOR SUPPLEMENTAL MARKUP (8%)		G	\$1,099.80		TOTAL MATERIAL EQUIPMENT, SPECIAL SERVICES, LABOR ALLOWANCE AND SUBCONTRACTORS MARK UP			\$14,847.30
REMARKS, ASSUMED PRODUCTION RATES, SPECIAL CONDITIONS								

**SUPPORTING
DOCUMENTATION
D**

Change Order Proposal – ODOT Bond

Background

As part of the negotiations for a Grant of Access, ODOT is requesting an additional bond in the amount of \$900,000. Multiple conversations with ODOT have occurred to see if the existing bond (one that covers the ODOT work) is sufficient and ODOT is adamant that they have a bond issued to them.

Scope of work

This change order covers the following work:

- Purchase a bond for ODOT that covers the \$900,000 requirement
- Credit for issuing rider that reduces the penal sum of the existing bond with Oregon City
- Includes cost if an additional year of coverage is needed

Clarifications

- Credit assumes that the city is able to reduce the coverage of the existing bond by \$900,000
- Change order will be listed as two line items:
 - ODOT Bond with OC Credit
 - ODOT Bond (no credit)
- If a second year of coverage is not needed, it will not be billed

Schedule Impact of Change Order

There is a previous change order request that is pending that already addresses schedule impacts due to the Grant of Access.

Cost Impact of Change Order

The cost of this change order is \$15,164.94. This assumes a credit is accepted and that the bond ends up being extended into a second year.



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Phone: (503) 266-2792 x Fax: (503) 266-2791
CCB #77471

Project Name: Meyers Road Extension

Date: 3/30/2020

Description: Purchase of ODOT Bond (Year 2)

Description of Change: ODOT is requesting a bond before issuing a grant of access. This worksheet covers the cost of adding another bond. A credit is included if the city will allow for a reduction in the existing bond.

Total Direct Cost Impacts:	Labor Costs:	\$	-
	Equipment Costs:	\$	-
	Equipment Standby Costs:	\$	-
	Trucking Costs:	\$	-
	Rental Equipment Costs	\$	-
	Material Costs:	\$	10,530.00
	Subcontractor Costs:	\$	-
Cost Impact to CEI:		\$	10,530.00
Oregon Corp Activity Tax @ 0.5%		\$	52.65
Total Cost Impact to CEI:		<hr/>	<hr/> \$ 10,582.65

Material Costs:

Material	QTY	Unit	\$/Unit	Total
ODOT Bond for \$900k	1	Year	\$9,000.00	\$9,000.00
			\$0.00	\$0.00
Material Subtotal				\$9,000.00
Material markup of 17%				\$1,530.00
Subtotal CEI Direct Material Costs				\$10,530.00