

**CHANGE ORDER Relocate Traffic Controller**No. 5DATE 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: \$ <u>7,218,786.00</u>	Original Contract Times: Substantial Completion: <u>530 DAYS</u> Ready for final payment: _____ (days or dates)
Net Increase from previous Change Orders No. <u>1</u> to No. <u>4</u> : \$ <u>109,317.51</u>	Net change from previous Change Orders No. <u>1</u> to No. <u>4</u> : Substantial Completion: <u>20 days</u> Ready for final payment: _____ (days)
Contract Price prior to this Change Order: \$ <u>7328103.51</u>	Contract Times prior to this Change Order: Substantial Completion: <u>550 days</u> Ready for final payment: _____ (days or dates)
Net Increase of this Change Order: \$ <u>22,337.69</u>	Net Increase (Decrease) of this Change Order: Substantial Completion: <u>0</u> Ready for final payment: _____ (days)
Contract Price with all approved Change Orders: \$ <u>7350441.2</u>	Contract Times with all approved Change Orders: Substantial Completion: <u>550 days</u> Ready for final payment: _____ (days or dates)

RECOMMENDED:

APPROVED:

ACCEPTED:

By: \_\_\_\_\_  
ENGINEER (Authorized Signature)By: \_\_\_\_\_  
OWNER (Authorized Signature)By: J. Spr  
CONTRACTOR (Authorized Signature)Date: April 22, 2020

Date: \_\_\_\_\_

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

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**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)



PROJECT MANAGER: Fred Wismer

FILE NUMBER: 517006

PROJECT NO: 517006

DESIGNED BY: Cath Cox

SCALE: As Shown

DATE: Jun 21, 2019

DRAWN BY: Brad Quillmore

REVIEW: [Signature]

885 SW 5TH AVENUE, SUITE 600  
PORTLAND, OR 97204  
P 503.228.5520 F 503.273.8169

**OREGON CITY**

**KITTELSON & ASSOCIATES**

INTERCONNECT DETAILS

OC PROJECT#: CI 17-001

MEYERS ROAD EXTENSION PROJECT

MEYERS ROAD

CLACKAMAS COUNTY

REV. NO.	DATE	REVISION
1	06/21/19	ODOT COMMENT REVISIONS

DRAWING NUMBER: TS-10

SHEET OF

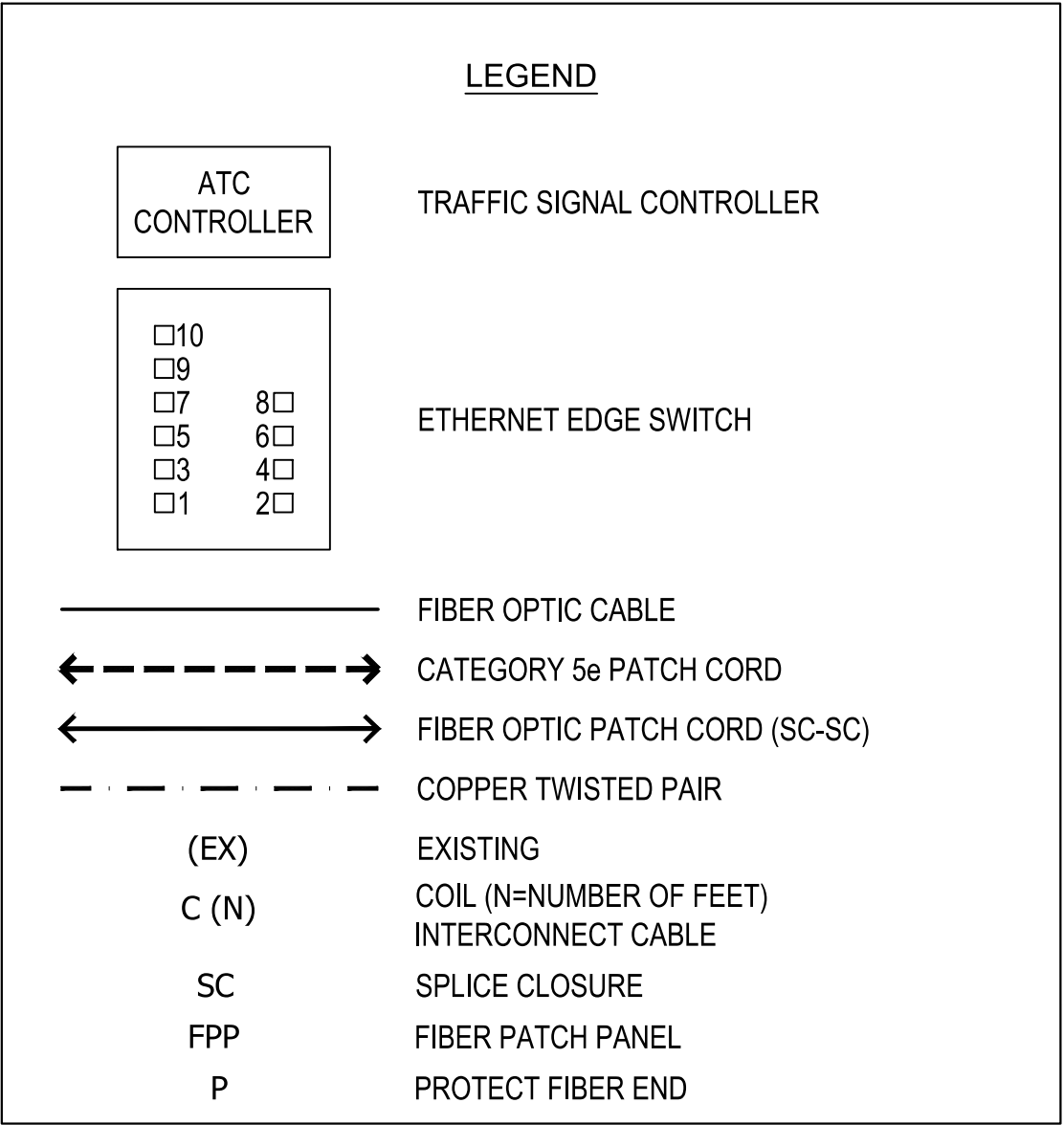
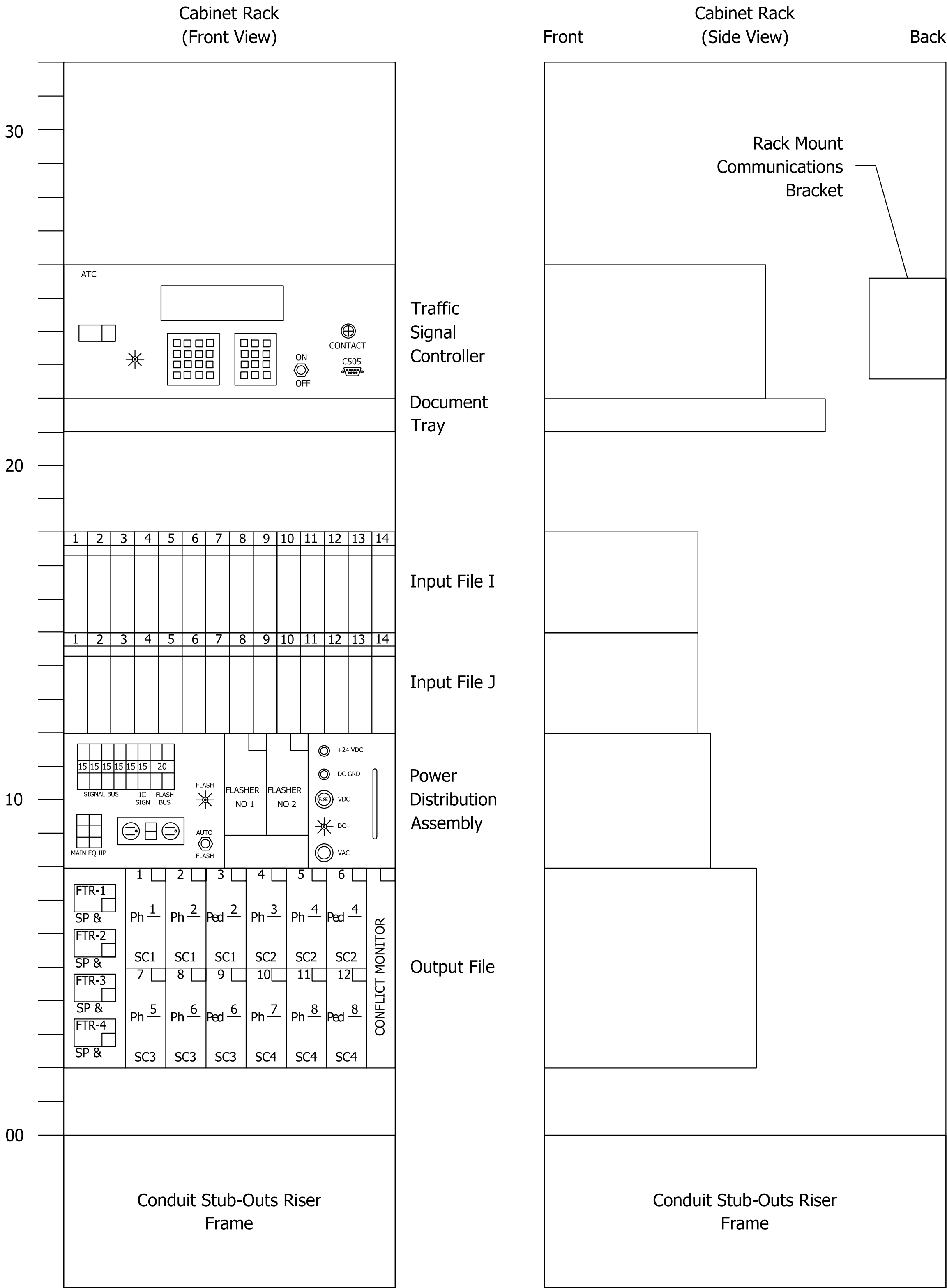
COMMUNICATION COMPONENT SCHEDULE			
LOCATION:	COMMUNICATIONS COMPONENTS	QUANTITY	OPTIC CONNECTION(S) TYPE
S MOLALLA AVE / CASCADE HWY S (OR 213)	A) ETHERNET EDGE SWITCH RS900G* SIEMENS PART NO. 6GK6090-0GS23-0BA1-Z A05	1	-
	B) SIX-FOOT POWER CABLE WITHOUT LUGS (BARE-WIRE) (FOR RUGGEDCOM RS900G SWITCH) 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 REMOVED COMMUNICATIONS BRACKET	2	-

\* 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+B00	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 REMOVED COMMUNICATIONS BRACKET	2	-

\* 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



GENERAL NOTES:

- This drawing provides a schematic of the communications system only. Not all junction boxes are shown on this plan.
- Fiber optic cable shall be continuous.

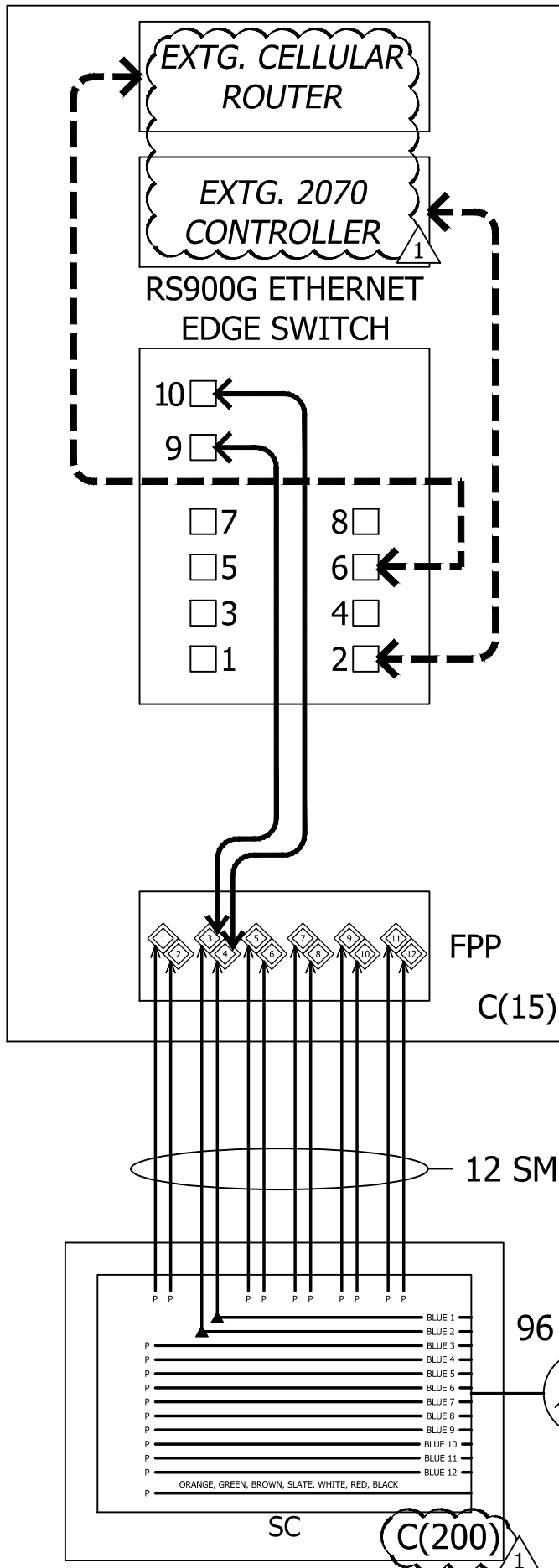
FC: 160 MP: 3.85	I.T.S. DWG. No. <b>2927</b>	T.P.S. DWG. No. <b>20225</b>	TSSU. No. <b>2B002</b>
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Traffic Section Approval

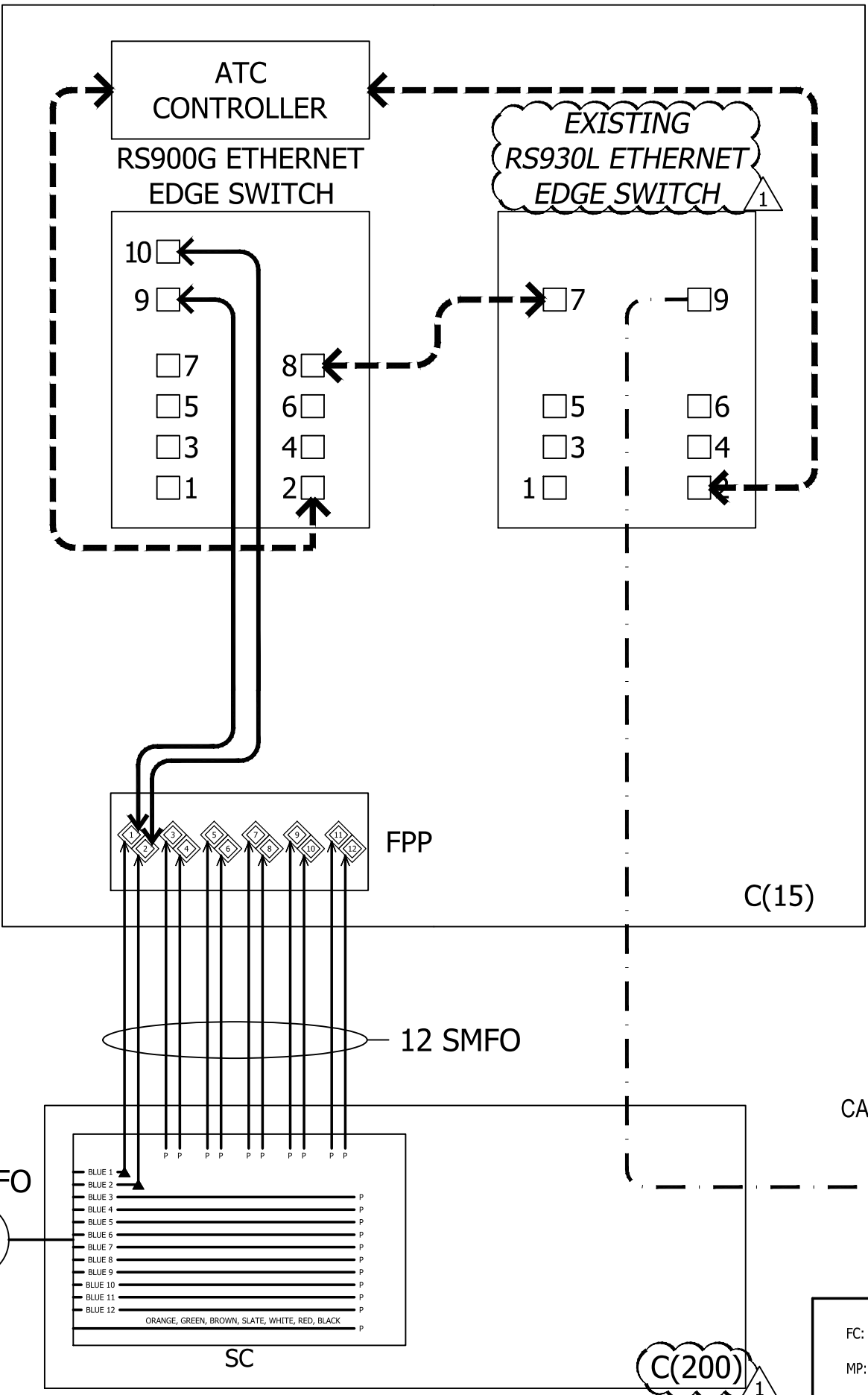
S MOLLALA AVE/  
CASCADE HWY S (OR 213)

EXISTING SIGNAL CABINET



MEYERS RD/  
CASCADE HWY S (OR 213)

NEW SIGNAL CABINET

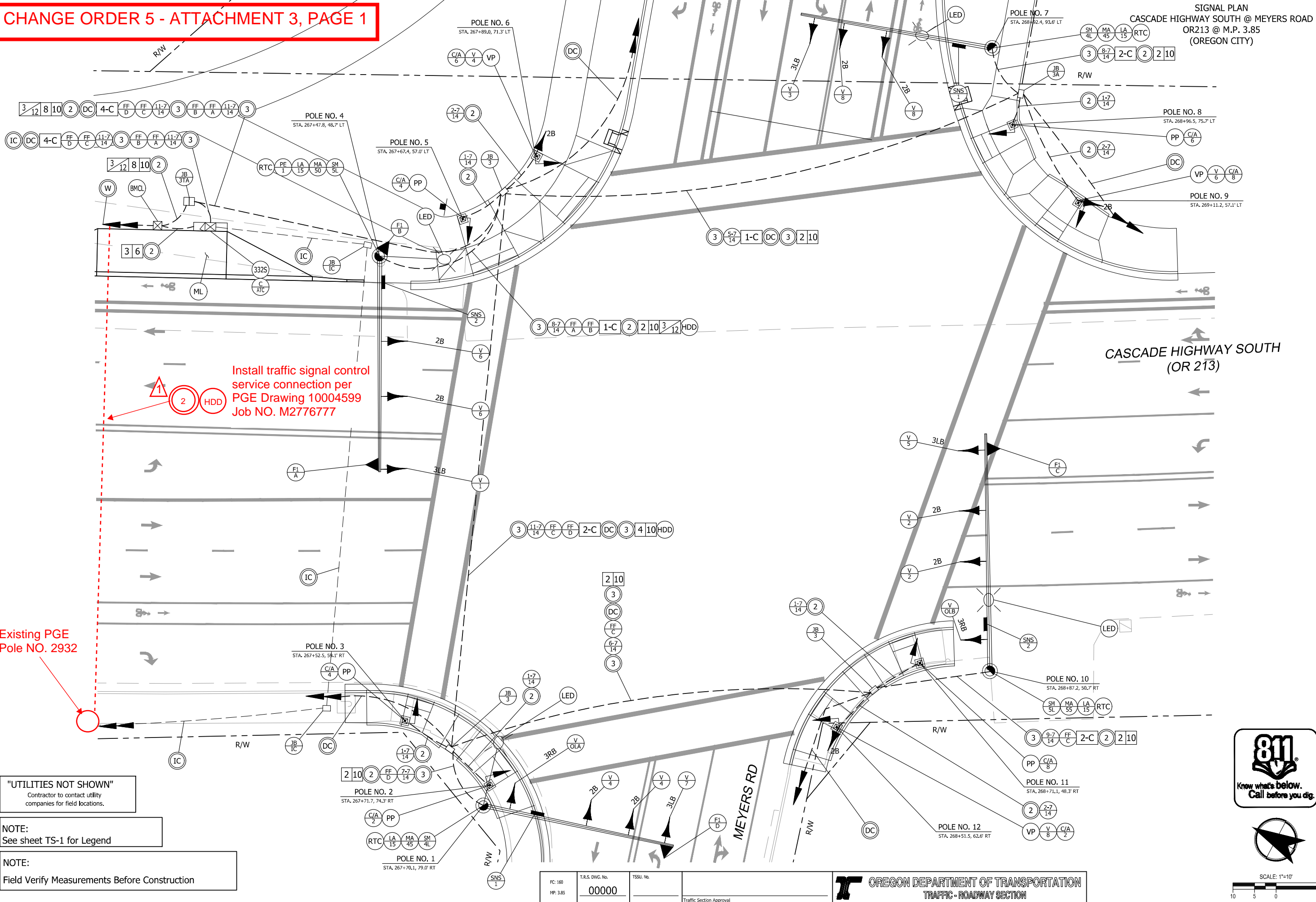


TO GLEN OAK RD/  
CASCADE HWY S (OR 213)  
SIGNAL CABINET

K:\V Projects\210171 - Meyers Road Extension\design\_CD\21171\_Signal.dwg

Jun 21, 2019 - 12:51pm





Install traffic signal control service connection per PGE Drawing 10004599 Job NO. M2776777

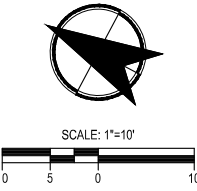
Existing PGE Pole NO. 2932

"UTILITIES NOT SHOWN"  
Contractor to contact utility companies for field locations.

NOTE:  
See sheet TS-1 for Legend

NOTE:  
Field Verify Measurements Before Construction

FC: 160 MP: 3.85	T.R.S. DWG. No. 00000	TSSU. No.
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REGISTERED PROFESSIONAL ENGINEER  
100% SUBMIT FOR CONSTRUCTION  
FRED WISMER JR.  
EXPIRES 06/30/20

PROJECT MANAGER  
Fred Wismer

PROJECT NO.  
517006

DATE  
Oct 23, 2018

DESIGN ASSOCIATES - SUITE 100  
PORTLAND, OR 97206  
503.288.5500 F.503.274.7888

SCALE  
As Shown

SIGNAL PLAN

OC PROJECT#: CI 17-001  
MEYERS ROAD EXTENSION PROJECT  
MEYERS ROAD  
CLACKAMAS COUNTY

REV.	DATE	DESCRIPTION
1	3/30/2020	Service connection update per PGE

DRAWING NUMBER:  
TS-3

SHEET OF

H:\212171 - Meyers Road Extension\Design\_CD\2171\_Signaling  
Oct 23, 2016 - 2:49pm

# SUPPORTING DOCUMENTATION

A

## Change Order Request – Equipment Credit – R1400 & RSL910

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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

<u>QTY</u>	<u>P/N</u>	<u>DESCRIPTION</u>	<u>Unit Price:</u>	<u>EXT Price</u>
		MOLLALA 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

<u>QTY</u>	<u>P/N</u>	<u>DESCRIPTION</u>	<u>Unit Price:</u>	<u>EXT Price</u>
		<b>MOLLALA AVE. @ OR213</b>		
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
		<b>MEYERS RD @ OR213</b>		
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
			<b>TOTAL: \$</b>	<b><u>8,745.00</u></b>

**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.

# SUPPORTING DOCUMENTATION

B

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

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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 × Canby, OR 97013  
 Phone: (503) 266-2792 × 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
Cost Impact to CEI:		\$	16,791.14
Bonding and Insurance @ 1.25%		\$	209.89
Oregon Corp Activity Tax @ 0.5%		\$	85.01
<b>Total Cost Impact to CEI:</b>		<b>\$</b>	<b>17,086.04</b>

**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
<b>Labor Subtotal</b>				<b>\$3,258.96</b>
Labor Markup of 22%				\$716.97
<b>Subtotal CEI Direct Labor Costs</b>				<b>\$3,975.93</b>

**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
<b>Equipment Subtotal</b>				<b>\$422.40</b>
Equipment Markup of 17%				\$71.81
<b>Subtotal CEI Direct Equipment Costs</b>				<b>\$494.21</b>

**Trucking Costs**

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



**Material Costs:**

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

**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
<b>Subtotal Subcontractor Services</b>				<b>\$10,050.00</b>
Subcontractor Services Mark Up of 8%				\$804.00
<b>Subtotal Subcontractor Services plus Mark Up</b>				<b>\$10,854.00</b>

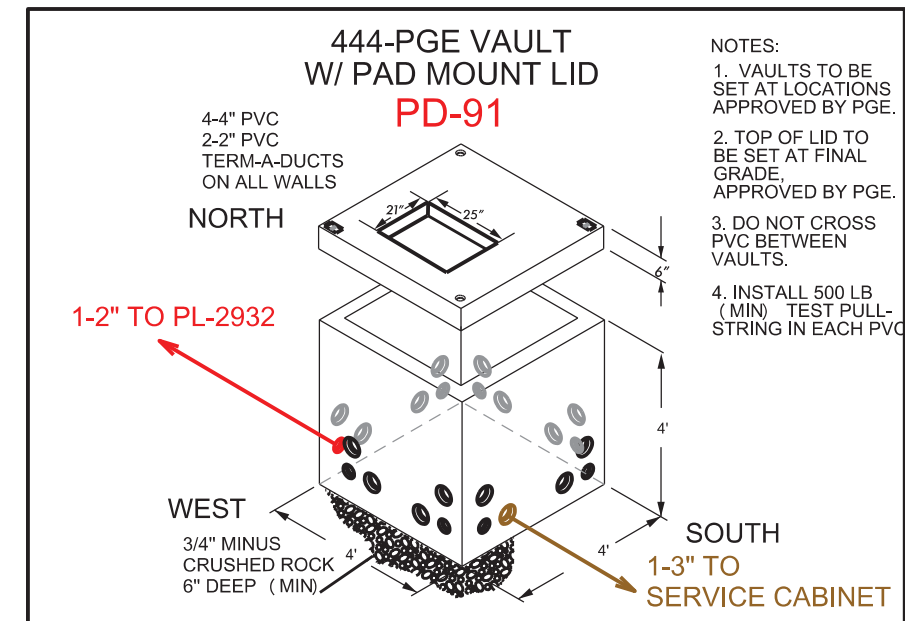
( UNLESS OTHERWISE SPECIFIED)

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



## 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 503-233-6700 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 6 INCH RADIUS, ALL BENDS MUST BE FIBERGLASS 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 ACCEPTED 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 (CERT-A-LOK OR FIB MECHANICAL CONNECTION PRODUCT) IS 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 RED STRIPES. RED STRIPES WHICH IS A SPECIFICATION REQUIREMENT. MANHOLE 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, 15 INCH (MIN) FROM ANY FIBERGLASS BUILDING, 15 FEET (MIN) FROM TRANSFORMERS MUST BE WITHIN 15 FEET OF A DRIVABLE 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 BACKFILLING 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/REBOOK](http://WWW.PORTLANDGENERAL.COM/REBOOK)
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.**

DATE: 12/10/2019	SCALE: NTS	ACCOUNT: 1070001	AWO: 100004599	JOB NO. M277677
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12/10/2019	NTS	1070001	100004599	M277077
	TITLE			

 CITY OF OREGON CITY

CIRCUIT LELAND KELM	SIZE 17-22
------------------------	---------------

	LELAND-KELM	17x22
	LOCATION	

LOCATION  
OR 213 & S MEYERS RD, OREGON CITY, 07045

	SERVICES AND MEETINGS ARE, ON AVERAGE, OPEN, 67.6%
	DESCRIPTION

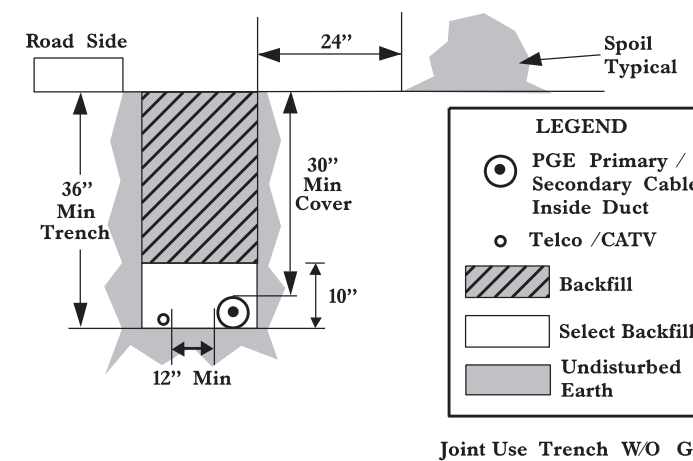
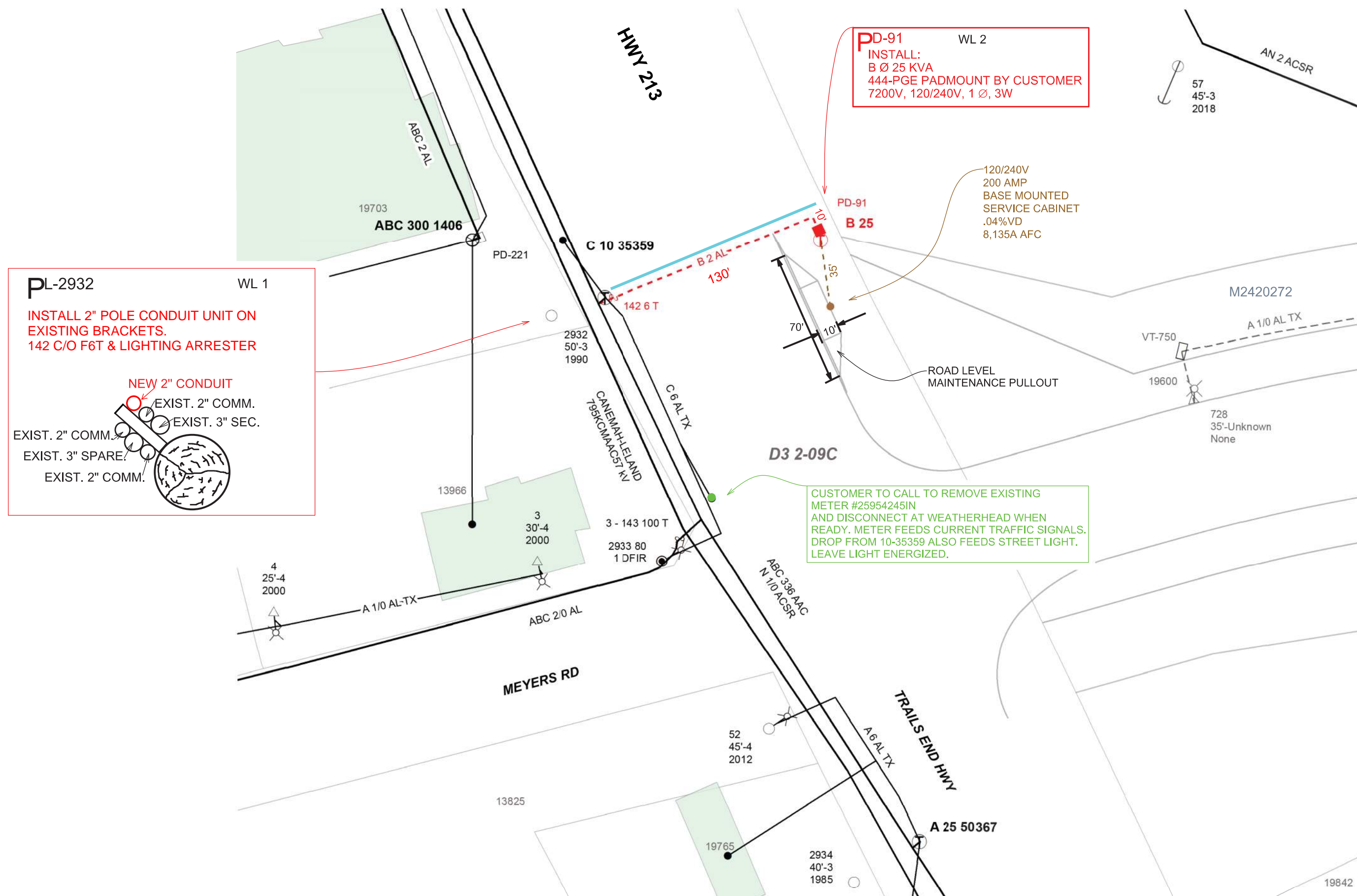
RELOC TRAFFIC CONTROLLER FROM W/SIDE 213 TO EAST SIDE 213

	COUNTY CLACKAMAS	SECTION (S) D32-09C	WORK WITH	SHEE
--	---------------------	------------------------	-----------	------

OREGON CITY LINE CREW CENTER	CLACKAMAS	D32-09C		1 OF 1
	DESIGN BY	PHONE (503)	DRAWN BY	

209 WARNER-MILNE RD OREGON CITY, OR 97045	DESIGN BY <b>TERRY NEAL</b>	PHONE (503) <b>463-4322</b>	DRAWN BY <b>S.HOLTAN</b>
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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

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.

FOR TRENCH AND CONDUIT INSPECTION PRIOR  
TO BACKFILL. PGE WILL NOT INSTALL WIRE  
UNTIL TRENCH IS 100% BACKFILLED.

**SERVICE COORDINATOR**  
503-323-6700 OR 800-542-8818

YOU DIG

## NEW RULES ADOPTED

W RULES ADOPTED  
CENTER.

52-001-0010  
N COPIES OF

IN COPIES OF  
TILITY

@ (503-232-1987)

HE OREGON  
AT LEAST

**Call before you dig.**

**CALL 811 BEFORE YOU DIG**

ATTENTION:  
OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED  
BY THE OREGON UTILITY NOTIFICATION CENTER.  
THOSE RULES ARE SET FORTH IN OAR 952-001-0010  
THROUGH 952-001-0090. YOU MAY OBTAIN COPIES OF  
THE RULES BY CALLING THE OREGON UTILITY  
NOTIFICATION CENTER ADMINISTRATION @ (503-232-1987)

TO REQUEST UTILITY LOCATES CALL THE OREGON  
UTILITY NOTIFICATION CENTER, 811 AT LEAST  
2 BUSINESS DAYS PRIOR TO EXCAVATION.

Know what's **below**.  
**Call** before you dig.

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

**THINK  
SAFETY**

VICINITY MAP

# SUPPORTING DOCUMENTATION C

# COST ESTIMATE

NOTICE: FORM MUST BE TYPEWRITTEN

Prepared by <b>Jason Kelly</b>			Project <b>Meyers Road Extension</b>				Contract No. <b>CI 17-001</b>	
Reviewed by			Highway <b>OR213 and Meyers Road</b>			County <b>Clackamas</b>		Sheet <b>1 of 1</b>
Description of Work <b>Relocate Traffic Controller Power - Canby Excavating</b>						CHECK BOX IF SUBCONTRACTED <input type="checkbox"/>		
ITEM DESCRIPTION		Unit	Materials, Equipment, and Special Services			Labor		
			Quantity	Unit Price	Amount	Quantity	Unit Price	Amount
1	Potholing	LS	1	\$1,000.00	\$1,000.00			
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								
<b>ATTACHMENTS</b> <input type="checkbox"/> WAGE DETERMINATION, FORM 734-1870 <input type="checkbox"/> OTHER (EXPLAIN BELOW) EXPLAIN			Subtotal	A	\$3,200.00	Subtotal	B	\$0.00
			Allowance (Ax17%)	C	\$544.00	Allowance (Bx22%)	D	\$0.00
			Total (A+C)	E	\$3,744.00	Total (B+D)	F	\$0.00
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 <b>Jason Kelly</b>			Project <b>Meyers Road Extension</b>				Contract No. <b>CI 17-001</b>	
Reviewed by			Highway <b>OR213 and Meyers Road</b>			County <b>Clackamas</b>		Sheet <b>1 of 1</b>
Description of Work <b>Relocate Traffic Controller Power - Aaken</b>						CHECK BOX IF SUBCONTRACTED <input checked="" type="checkbox"/>		
ITEM DESCRIPTION		Unit	Materials, Equipment, and Special Services			Labor		
			Quantity	Unit Price	Amount	Quantity	Unit Price	Amount
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								
<b>ATTACHMENTS</b> <input type="checkbox"/> WAGE DETERMINATION, FORM 734-1870 <input type="checkbox"/> OTHER (EXPLAIN BELOW) EXPLAIN			Subtotal	A	\$11,750.00	Subtotal	B	\$0.00
			Allowance (Ax17%)	C	\$1,997.50	Allowance (Bx22%)	D	\$0.00
			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

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### 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.



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:** 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
<b>Total Cost Impact to CEI:</b>		<b>\$</b>	<b>10,582.65</b>

**Material Costs:**

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