

COTTONWOOD HEIGHTS

RESOLUTION NO. 2015-68

A RESOLUTION APPROVING AND RATIFYING A REIMBURSEMENT AGREEMENT WITH UDOT AND ROCKY MOUNTAIN POWER

WHEREAS, the city council (the "Council") of the city of Cottonwood Heights (the "City") met on 27 October 2015 to consider, among other things, approving and ratifying a "Reimbursement Agreement" (the "Agreement") with Utah Department of Transportation ("UDOT") and Rocky Mountain Power d/b/a PacifiCorp ("RMP") whereunder UDOT will reimburse RMP for the cost (estimated at \$1,920,808) of relocating RMP's power facilities affected by modifications to the intersection of Highland Drive and Fort Union Blvd. under Local Government Project No. F-LC35(202), on the terms and conditions specified in the Agreement; and

WHEREAS, the Council has reviewed the form of the Agreement, a photocopy of which is annexed hereto as an exhibit; and

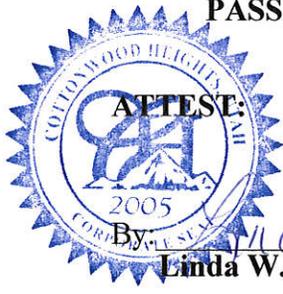
WHEREAS, after careful consideration, the Council has determined that it is in the best interests of the health, safety and welfare of the citizens of the City to approve and ratify the City's entry into the Agreement as proposed;

NOW, THEREFORE, BE IT RESOLVED by the city council of Cottonwood Heights that the attached Agreement is hereby approved and ratified, and that the City's mayor and recorder are authorized and directed to execute and deliver the Agreement on behalf of the City; and

BE IT FURTHER RESOLVED by the city council of Cottonwood Heights that the Agreement is subject to modification without further approval by the Council on such terms as the City's mayor, in consultation with the City's manager and attorney, may deem advisable.

This Resolution, assigned no. 2015-68, shall take effect immediately upon passage.

PASSED AND APPROVED this 27th day of October 2015.



ATTEST:

By Linda W. Dunlavy, Recorder

COTTONWOOD HEIGHTS CITY COUNCIL

By Kelvyn H. Cullimore, Jr., Mayor

VOTING:

Kelvyn H. Cullimore, Jr	Yea <input checked="" type="checkbox"/>	Nay <input type="checkbox"/>
Michael L. Shelton	Yea <input checked="" type="checkbox"/>	Nay <input type="checkbox"/>
J. Scott Bracken	Yea <input checked="" type="checkbox"/>	Nay <input type="checkbox"/>
Michael J. Peterson	Yea <input checked="" type="checkbox"/>	Nay <input type="checkbox"/>
Tee W. Tyler	Yea <input checked="" type="checkbox"/>	Nay <input type="checkbox"/>

DEPOSITED in the office of the City Recorder this 27th day of October 2015.

RECORDED this 27 day of October 2015.

Project No. F-LC35(202); Salt Lake County
Project Name: Fort Union Blvd & Highland Drive Intersection
ROCKY MOUNTAIN POWER, dba Pacificorp
Company File No. R2-123; Work Order #'s: 6018739, 6069435 & 6070338
COTTONWOOD HEIGHTS CORPORATION
CID No. 53083 PIN 8110

THREE - PARTY
REIMBURSEMENT AGREEMENT

THIS AGREEMENT, made and entered into this ___ day of _____, 2015, by and between the **UTAH DEPARTMENT OF TRANSPORTATION**, hereinafter referred to as "**UDOT**" and **ROCKY MOUNTAIN POWER**, an unincorporated division of Pacificorp, an Oregon Corporation, hereinafter referred to as the "**Company**," and the city of **COTTONWOOD HEIGHTS**, a municipal corporation of the State of Utah, hereinafter referred to as the "**City**."

WITNESSETH:

WHEREAS, the **City** is preparing plans, specifications and estimates of costs toward constructing the local government highway project known as Project No. F-LC35(202); Fort Union Blvd. and Highland Drive Intersection, in Cottonwood Heights, Salt Lake County, Utah, hereinafter referred to as "**Project**." The construction necessitates utility work consisting of relocating the **Company's** facilities described as follows. A detailed copy of the plans for the required utility work is marked "**EXHIBIT A**", attached hereto and thereby made a part hereof.

Work Order # 6018739: Relocate the distribution lines at Fort Union and Highland Dr.

Work Order # 6069432: Relocate the Butlerville-Holladay 46kV transmission line at Fort Union and Highland Dr.

Work Order # 6070338: Relocate the Butlerville-Holladay 138kV transmission line at Fort Union and Highland Dr.

WHEREAS, **UDOT** will administer the federal funds for this **Project** on behalf of the **City** and has the authority to authorize the **Company** to proceed with the utility work; and

WHEREAS, this is a local government project and officials and/or consultant engineers of the **City**, having jurisdiction over the roadway right-of-way of the **Project**, are responsible to administer or perform the utility work.

THIS AGREEMENT is made to set out the terms and conditions where under the utility work shall be performed.

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NOW THEREFORE, it is agreed by and between the parties hereto as follows:

Project Specific Special Provisions

1. Work Order # 6018739: Relocate the distribution lines at Fort Union Blvd. and Highland Dr.
 - a. Remove: 12,200 feet #477AAC Primary, 230 feet #2 Triplex, 800 feet #2AAC, 1-Air Break Switch, 1-35 foot pole, 1-45 foot pole, 1-50 foot pole.
 - b. Install: 13,300 feet #477AAC Primary, 200 feet #2AAC, 1,200 feet #1000MCM AL URD Primary, 150 feet 3#2 URD Primary, 50 feet 4/0TX, 1-3PH Sectionalizer, 3-3PH Riser, 1-3PH Sec Box.
2. Work Order # 6069432: Relocate the Butlerville-Holladay 46kV transmission line at Fort Union Blvd. and Highland Dr.
 - a. Relocate 3 steel and 3 wood transmission poles.
3. Work Order # 6070338: Relocate the Butlerville-Holladay 138kV transmission line at Fort Union Blvd. and Highland Dr.
 - a. Relocate 4 steel transmission poles.

General Provisions

1. COMPANY TO PERFORM UTILITY WORK

The **Company**, with its regular engineering and construction forces at its standard schedule of wages and working hours, through its qualified contractors with whom it has continuing contracts, or through qualified contractors with whom it has obtained contracts upon appropriate solicitation in accordance with 23 C.F.R § 645, Subpart A, shall perform the necessary field and office engineering, furnish all materials, and perform the utility work covered herein. **The Company shall not perform any utility work until authorized in writing by UDOT.**

2. CONFORMANCE WITH ADMINISTRATIVE CODE R930-7

The design and construction of the utility work, and access for future maintenance and servicing of **Company's** property located along the right of way of the **Project**, will be in conformance with Utah Administrative Code R930-7 and any supplements or amendments thereto.

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3. PROJECT TO INFORM CONTRACTOR

The **Project's** Resident Engineer will, by its standard specifications and/or special provisions, make its Contractor aware of the coordination and cooperation required for timely completion of utility work. The Contractor shall be advised of the approximate schedule for completion of the utility work and the utility owner shall diligently pursue its utility work so that completion can be accomplished as soon as possible after having been authorized to proceed.

4. COMPANY TO NOTIFY THE PROJECT BEFORE BEGINNING UTILITY WORK

The **Company** will notify the **Project's** Resident Engineer, or their assigned, at least ten (10) days in advance of beginning any utility work covered herein. If a **Project** Resident Engineer is not assigned at the time of the required prior notification, then the **Company** must contact the **City's** Project Manager. The **City's** Project Manager is: Mike Allen, Telephone No. (801) 944-7000 and MAllen@cottonwoodheights.utah.gov. When the **Company** experiences emergency work of its own during utility work on the **Project**, it will take care of the emergency, after which it will again informally notify the **Project's** Resident Engineer as to when utility work will be resumed on the **Project**. Failure on the part of the **Company** to give proper notification to **Project's** Resident Engineer will result in the **Project's** disallowance of reimbursement for that portion of the **Company's** utility work performed while not under the surveillance of the **Project's** Resident Engineer or authorized representative. In the event that neither the **Project's** Resident Engineer nor the **City's** Project Manager can be contacted, notification shall be given to the **UDOT** Region Two Utility and Railroad Leader, Alana Spendlove, Telephone No. (801) 887-3462, email address aspendlove@utah.gov, mailing address 2010 South 2760 West, Salt Lake City, Utah 84104.

5. RECORD KEEPING

The **Company** will keep a daily record of the utility work performed using **UDOT's** Utility Force Account Record form. Upon preapproval from **UDOT's** Construction Division, the **Company** may use its own daily record form. The daily records will be signed by the **Project's** Resident Engineer and **Company's** authorized representative(s). When emergencies occur, requiring the **Company's** work forces to leave the job, the daily record keeping shall be resumed upon return to the **Project**.

6. TRAFFIC CONTROL AND FLAGGING

The **Company** will obtain all required permits from the **City** prior to the utility work and will not be charged any permit fees for utility work described in this Agreement. The **Company**, while engaged in the relocation of its facilities will use **UDOT**-approved traffic control devices and shall conform to the standards set forth in the Utah Manual on Uniform Traffic Control

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Devices and 23 C.F.R. § 630, subpart J. All flagging personnel shall be certified.

7. PROJECT TO PROVIDE SURVEY CONTROL

The **Project** will provide surveying and staking of roadway facilities as required by the **Company**, in accordance with **UDOT's** Standard Specifications, Section 01721, Survey, 3.16, Utilities. The cost of the surveying and staking will be at **Project's** expense and will not be recovered from the **Company**. Any of the **Project's** survey control stakes or bench markers which are removed or damaged by the **Company** shall be reestablished by the **Project** at **Company's** expense.

8. DISCOVERY OF HISTORICAL OBJECTS

The **Company**, while engaged in the relocation of its facilities, shall comply with **UDOT's** Standard Specifications, Section 01355, Environmental Compliance 3.8, Discovery of Historical, Archeological or Paleontological Objects Features, Sites, or Human Remains.

9. REIMBURSEMENT FOR COMPANY'S UTILITY WORK

The **Company** shall be reimbursed by the **City** through the **Project** for 100% of the actual costs incurred by the **Company** for performing the utility work contained herein less a portion of distribution line utility work that is within **City** franchise. Estimates of the cost of the utility work were furnished by the **Company** to **UDOT** on September 14, 2015, for Work Order #'s 6018739, 6069432, and 6070338, in the total estimated amount of One Million Nine Hundred and Twenty Thousand, Eight Hundred and Eight Dollars (\$1,920,808.00). The estimates are based upon the prices of materials and labor current as of the date of the estimates. The estimates do not account for increases due to unknown and unforeseen hardships in accomplishing the utility work. A copy of the details of the estimates is marked "**EXHIBIT B,**" attached hereto and thereby made a part hereof.

TOTAL ESTIMATED COST TO THE PROJECT IS \$1,920,808.00.

10. SALVAGE CREDIT FOR RECOVERED MATERIALS

All materials from the existing facilities, which are recovered in suitable condition for reuse by the **Company** and not reused on the **Project**, shall be credited to the cost of the **Project** at current stock prices in accordance with 23 C.F.R. § 645.117. If the recovered materials are not suitable for reuse, they shall be credited at salvage prices or such other prices as agreed upon between the **Company** and the **Project's** Resident Engineer following inspection of the recovered material.

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11. CHANGES IN THE UTILITY WORK

In the event there are changes in the scope of the utility work, extra utility work, or changes in the planned utility work covered by this Agreement, a modification to this Agreement approved in writing by the parties hereto is required prior to the start of utility work on the changes or additions.

12. COMPANY TO MARK FACILITIES

Company is required to mark all underground facilities with approved markers and to keep on file "as constructed plans" of all its utility work covered herein for future reference.

13. BILLING AND PAYMENT

The **Company** shall submit itemized bills to **UDOT** covering its actual costs incurred for performing the utility work covered herein bearing the **Project** number together with supporting documentation. The **Company** shall submit one final and complete bill incorporating previous billing details within six (6) months following completion of the utility work by the **Company** on the **Project** to **UDOT's** Construction Division, 4501 South 2700 West, Salt Lake City, Utah 84114-8405, Attention: Contracts, Estimates and Agreements Specialist.

UDOT's Construction Utility Coordinator will review the billings, give verification of the utility work performed and forward the billings, indicating **UDOT's** reimbursable amount, to **UDOT's** Construction Office for processing. **UDOT** will reimburse the **Company** with the money from the **Project** within sixty (60) days after receipt of the billings, but only for those items complying fully with the provisions of 23 C.FR. § 645, subpart A and Utah Administrative Code R930-7. Failure on the part of the **Company** to submit the billings within the six (6) month time limit may result in **UDOT's** disallowance of that portion of utility work performed by the **Company**, except as agreed to between the parties hereto in advance. Any utility work performed without proper notification to the **Project's** Resident Engineer's office will be cited to the **Company** and may be deducted from the reimbursement.

14. COSTS DIFFER BY MORE THAN TEN PERCENT

If **Company's** actual costs incurred for its force account utility work differs more than 10% plus or minus per line item from the amount contained herein then **Company** is required to submit a letter of explanation with its billings indicating why and how the difference in costs occurred. **Company** is required to match its billings of completed utility work with its detailed estimates contained herein.

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15. RIGHT TO AUDIT

UDOT and/or the Federal Highway Administration shall have the right to audit all cost records and accounts of the **Company** pertaining to this **Project** in accordance with the auditing procedure of the Federal Highway Administration and 23 C.F.R § 645, Subpart A. Should this audit disclose that the **Company** has been underpaid, the **Company** will be reimbursed by the **Project** upon submission of additional billing to cover the underpayment. Should this audit disclose that the **Company** has been overpaid, the **Company** will reimburse the **Project** in the amount of the overpayment. For purpose of audit the **Company** is required to keep and maintain its records of utility work covered herein for a minimum of three (3) years after final payment is received by the **Company** from UDOT.

16. APPLICABILITY OF BUY AMERICA

Materials composed primarily of iron or steel that are permanently incorporated into the utility work on this **Project** are subject to 23 CFR 635.410, Buy America requirements. **Company's** responsibility for "Buy America" compliance is limited to providing the **Project's** Resident Engineer with signed supplier certifications (which may be in electronic form) at or prior to the time of installation, according to the specific instructions and format set forth in the attached "EXHIBIT C." Buy America Certification is required only for the following specific items identified by UDOT: (i) steel transmission or distribution pole structures (exclusive of any cross arms, guy wires and anchors, transformers, insulators, cutouts, surge arrestors, switches, hardware, fasteners, brackets, base plate, conductor or other separately-provided attachments to be ordered separately and thereafter affixed to the pole structures); (ii) steel or iron conduit and risers; (iii) steel rebar to be furnished in conjunction with: concrete foundations, concrete transmission or distribution pole structures, or any pre-fabricated concrete vaults or similar concrete structures; and (iv) grates and covers for utility vaults and similar structures. **Company** shall have no obligation to furnish Buy America certificates with respect to any other materials, and shall have no further obligations regarding the domestic content of goods furnished.

Company has developed estimating, supply chain and materials handling procedures to implement these requirements and agrees to follow such procedures. In the event that **Company** fails to furnish Buy America certificates for any of the foregoing items in accordance with these requirements, the **Project** may withhold reimbursement with respect to those items. Except for claims involving **Company's** fraud, willful misconduct or gross negligence, in no event shall **Company's** liability for its failure to comply with this Section exceed the reimbursement value of the items for which **Company** has failed to deliver the required certificate.

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17. MISCELLANEOUS

- a. Each party agrees to undertake and perform all further acts that are reasonably necessary to carry out the intent and purpose of the Agreement at the request of the other party.
- b. This Agreement in no way creates any type of agency relationship, joint venture, or partnership between **UDOT, Company** and the **City**.
- c. This Agreement shall be deemed to be made under and shall be governed by the laws of the State of Utah in all respects. Each person signing this Agreement warrants that the person has full legal capacity, power and authority to execute this Agreement for and on behalf of the respective party and to bind such party. This Agreement may be executed in one or more counterparts, each of which shall be an original, with the same effect as if the signatures were made upon the same instrument. This Agreement may be delivered by facsimile or electronic mail.
- d. To the fullest extent permitted by law, each of the parties hereto waives any right it may have to a trial by jury in respect of litigation directly or indirectly arising out of, under or in connection with this Agreement. Each Party further waives any right to consolidate any action in which a jury trial has been waived with any other action in which a jury trial cannot be or has not been awarded.

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IN WITNESS WHEREOF, the parties hereto have caused these presents to be executed by their duly authorized officers as of the day and year first above written.

ROCKY MOUNTAIN POWER,
an unincorporated division of Pacificorp,
an Oregon Corporation

By: _____
Title: _____
Date: _____

ATTEST:

COTTONWOOD HEIGHTS,
a Municipal Corporation of the State
of Utah.

By: _____
Linda W. Dunlavy, Recorder
Date: _____

By: _____
Kelvyn H. Cullimore, Jr., Mayor
Date: _____

(IMPRESS SEAL)

Approved as to form:
By: _____
Wm. Shane Topham, City Attorney

RECOMMENDED FOR APPROVAL: UTAH DEPARTMENT OF TRANSPORTATION

Region Utility and Railroad Leader
Date: _____

By: _____
Region Director
Date: _____

UDOT COMPTROLLER'S OFFICE:

Contract Administrator _____
Date: _____

EXHIBIT A 2 OF 5

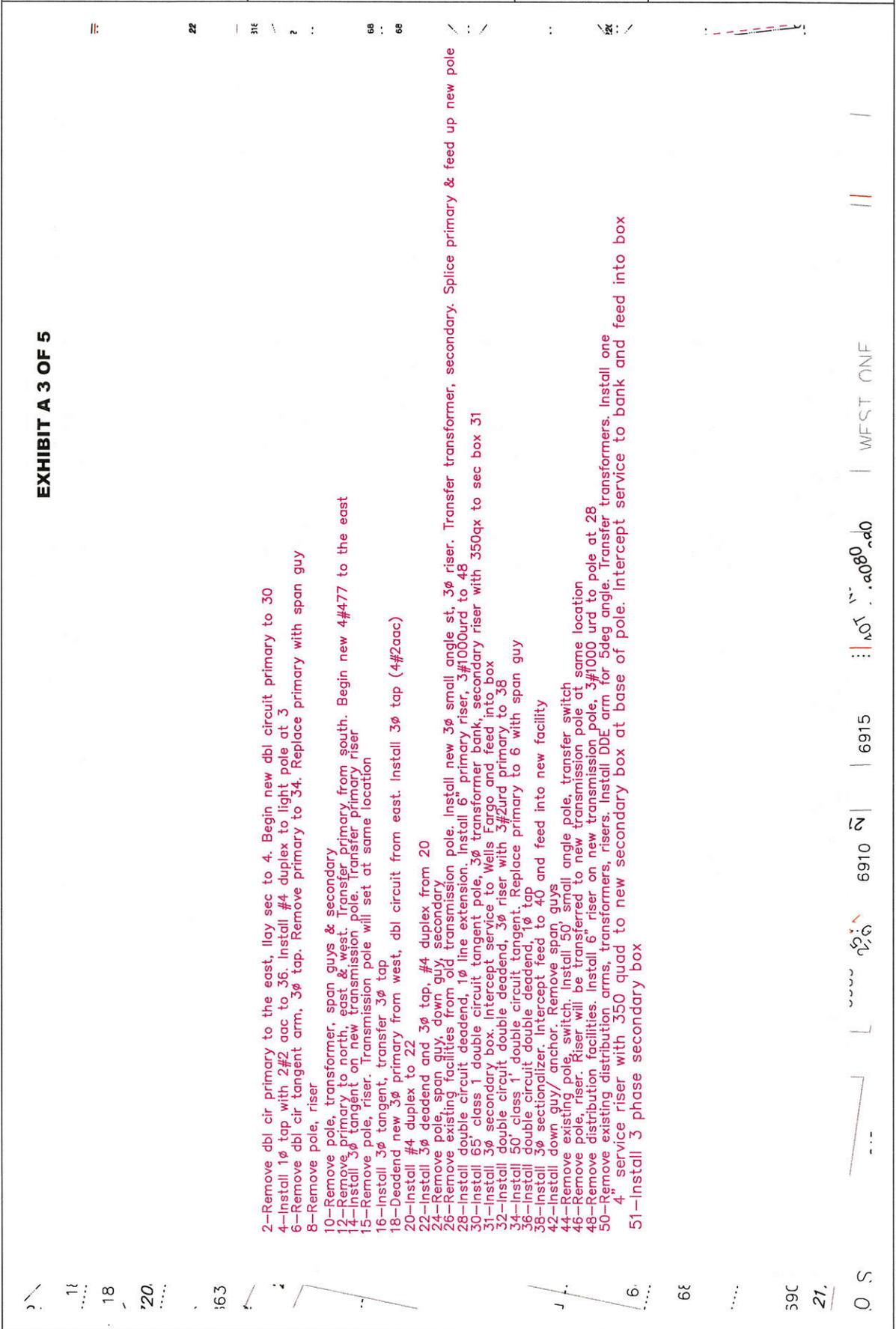
Transmission Lines Relocation
3 - Wood Poles
7 - Drilled Pier Foundation Steel Poles

Due to the increased
depth of the south of
this structure, this pole is
being replaced with a
swing and uplift issues.



EXHIBIT A 3 OF 5

Forman	Emp #	Job Start Date	Job Complete Date	 1 OF 3
CC#	WO# / REC#	Map String	1142001.0	
CUSTOMER : COTTONWOOD HTS ROAD PROJECT ADDRESS : 7000 S HIGHLAND DR COTTONWOOD HTS, UT MROBINSON				
EST ID#	Print Date	Scale		
06720	08/07/15	1=100'		
Post jobs	ROI	Posted		
□□□	□□□	□□□		
Circuit	HAM15			



18
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 O S

Forman	Emp #	Job Start Date	Job Complete Date	Map String	1142001.0	006018739	WC# / REC#	11431	CC#	11431
Customer: COTTONWOOD HTS ROAD PROJECT		Address: 7000 S HIGHLAND DR		COTTONWOOD HTS, UT		MRROBINSON				
EST ID#		06720		Print Date		08/07/15		Scale		
1"=100'										
Post Jobs		□ □ □ □		ROI		HAM15				
Job Start Date				Job Complete Date						
Circuit		HAM15		Post Jobs		□ □ □ □				

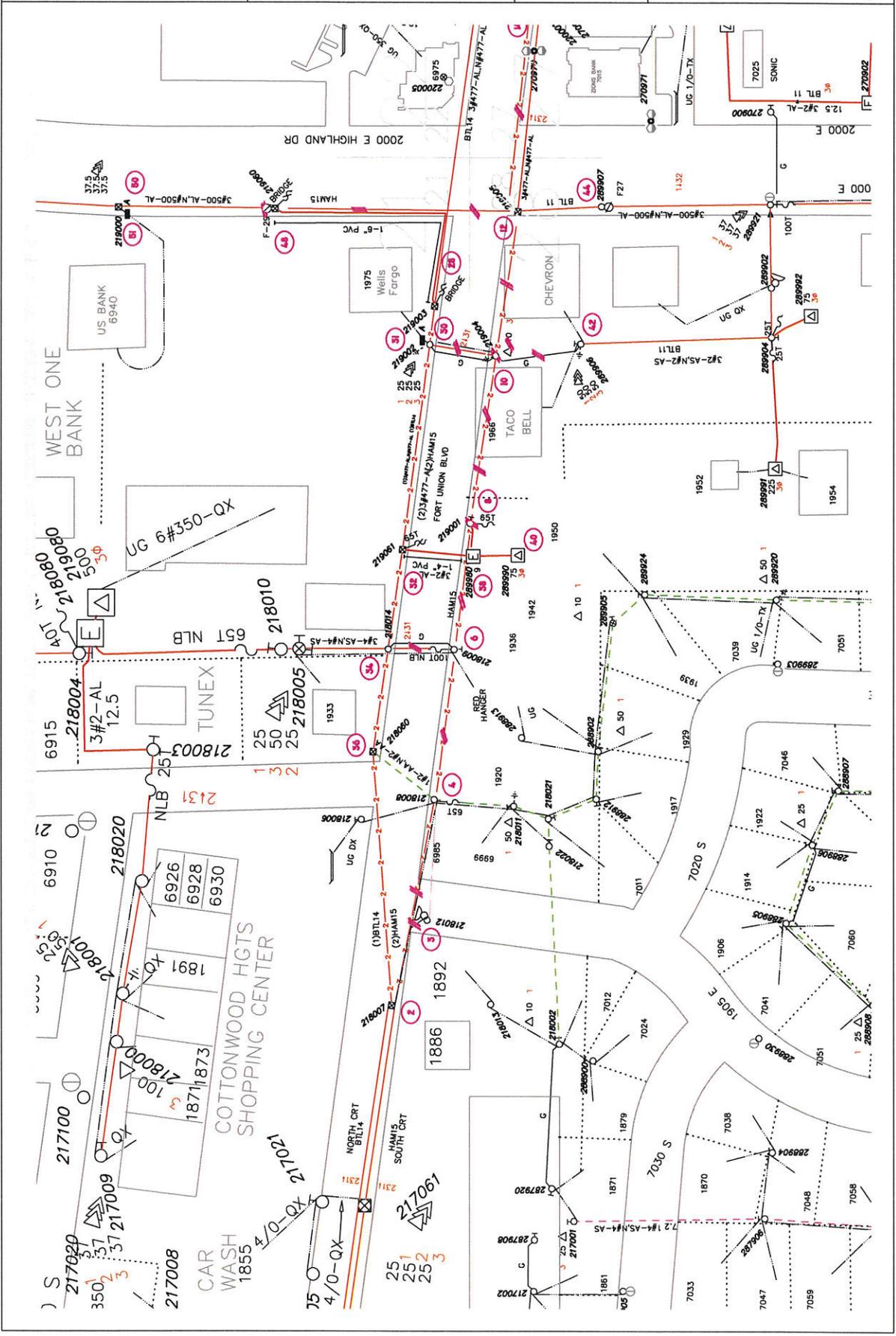


EXHIBIT A 4 OF 5



2 OF 3



DETAILED ESTIMATE OF COST

UDOT PROJECT - Fort Union Blvd & Highland Dr Distribution Line Relo

**Rocky Mountain Power File No. R2-123
Work Order 6018739**

14-Sep-15

**Total Project Estimated Cost \$215,418
UDOT Total Estimated Cost \$109,863**

This work order is to relocate the distribution lines at Fort Union Blvd and Highland Dr in Cottonwood Heights, UT.

REMOVE

12,200' #477AAC PRIMARY, 230' #2 TRIPLEX, 800' #2
AAC, 1-AIR BREAK SWITCH, 1-35' POLE, 1-45' POLE, 1-50' POLE,

INSTALL

13,300' #477 AAC PRIMRY, 200' #2AAC, 1,200' #1000MCM
AL URD PRIMARY, 150' 3#2 URD PRIMARY, 50' 4/0TX, 1-3PH
SECTIONALIZER, 3-3PH RISERS, 1-3PH SEC BOX,

MATERIAL COMPONENTS	STOCK NO.	QTY	UNIT	UNIT COST	TOTAL COST
BRACKET,MTG,UG,TERM,0.75" - 3"	1002438	6	EA	\$15.19	\$91.14
CONN,STIRRUP,BLTD,336-795AL/ACSR,1/0SOL	1003319	14	EA	\$27.21	\$380.94
CONN,SF,795AAC,795AAC/556ACSR	1004526	14	EA	\$32.23	\$451.22
TIE,SPOOL,EZ-WRAP,397.5ACSR & 477/500AAC	1005085	4	EA	\$2.66	\$10.64
SWITCH,UNITIZED,3PH,25KV,600AMP,HOOK OPE	1007583	1	EA	\$3,040.50	\$3,040.50
CABLE,UG,600V,4/0,AL,4PLX,WAKE FOREST	1040183	52.5	FT	\$1.87	\$98.18
CABLE,UG,600V,350,AL,4PLX,SLIPPERY ROCK	1040184	73.5	FT	\$3.32	\$244.02
CABLE,OVHD,#4,AL,2PLX,TERRIER	1050050	315	FT	\$0.28	\$88.20
CABLE,UG,600V,4/0,CU,SINGLE	1100079	63	FT	\$3.30	\$207.90
LUG,TERM,2-HOLE,LEAD,397/477/500AAC,COMP	1300206	6	EA	\$3.29	\$19.74
CLAMP,WG,RGD BAIL,4-1/0ACSR-2-2/0AAC	1300411	1	EA	\$1.57	\$1.57
CONN,STIRRUP,BLTD,4-250AL/ACSR,1/0SOL	1300812	4	EA	\$14.31	\$57.24
CLAMP,BLTD,DE,AL,397.5 -795,SIDE OPENING	1300963	101	EA	\$15.77	\$1,592.77

EXHIBIT B 2 of 11

CONN,SF,556/500/477AAC-397ACSR,#6 CU	1310125	7	EA	\$15.42	\$107.94
CONN,SF,556/500/477AAC-397ACSR,1/0AAA	1310128	3	EA	\$14.80	\$44.40
CONN,SF,556/500/477AAC-397ACSR,250AAC	1310131	15	EA	\$16.34	\$245.10
CONN,SF,336AAC,2/0CU-1/0ACSR/AAAC/CU	1310180	3	EA	\$5.05	\$15.15
CONN,SF,4/0AAC/AAAC/ACSR-3/0ACSR,#6CU	1310190	2	EA	\$2.63	\$5.26
BRACKET,MTG,3PH,72"L,2"DIA,CUTOUTS & ARSR	1520218	4	EA	\$146.44	\$585.76
CLIP,GROUND,#4 SOLID COPPER	1530298	259	EA	\$0.34	\$88.06
WIRE,GUY,5/16",EHS,11200LBS,250' COIL	1540252	100	FT	\$0.27	\$27.00
NUT,WASHER,5/8",STD THD,RESISTANCE WELD	1570213	5	EA	\$1.63	\$8.15
ROD,GRD,5/8"X10',COPPERWELD/BONDED CU	1580214	1	EA	\$11.01	\$11.01
POLE,WOOD,50 FT,CLASS 1,TRANSMISSION	1616501	1	EA	\$1,081.64	\$1,081.64
POLE,WOOD,60 FT,CLASS 1,DIST & TRANS	1616601	1	EA	\$1,529.70	\$1,529.70
POLE,WOOD,65 FT,CLASS 1,DIST & TRANS	1616651	1	EA	\$1,805.60	\$1,805.60
BRACE,WOOD,51"L,72" SPAN,36"DROP,HD	1630210	2	PAA	\$25.12	\$50.24
BRACKET,CONDUIT,EXTENSION ASSEMBLY,12"	1700250	32	EA	\$18.73	\$599.36
BRACKET,CONDUIT,EXTENSION ASSEMBLY,24"	1700269	7	EA	\$23.19	\$162.33
CLAMP,CND,4",BOLT MTG,W/BOLTS & NUTS	1705407	23	EA	\$3.09	\$71.07
CLAMP,CND,6",BOLT MTG,W/BOLTS & NUTS	1705605	16	EA	\$4.28	\$68.48
PAD,BOX,SECT CABINET,3PH,15 KV	1720625	1	EA	\$280.58	\$280.58
TERMINATOR,UG,COLD,15KV,500-1000KCM,175	1740274	6	EA	\$85.50	\$513.00
LUG,TERM,2-HOLE,LEAD,1000 AAC,COMP	1740636	6	EA	\$7.53	\$45.18
INDICATOR,FAULT,ELB MTG,TEST PT,400A TR^	1950307	3	EA	\$84.22	\$252.66
BUS,INSUL,SEC,SUBMERSIBLE,4 POSN,1000A	1950524	8	EA	\$20.58	\$164.64
BRACE,XARM,FLATWOOD,26"L,38"SPRD,18"DROP	3103603	2	PAA	\$6.77	\$13.54
BRACE,XARM,HD,WOOD,42"L,72"SPRD,22"DROP	3104809	2	PAA	\$18.64	\$37.28
XARM,WOOD,8'-0" X 3-3/4" X 4-3/4"	3108808	4	EA	\$30.80	\$123.20
XARM,WOOD,10'-0" X 3-3/4" X 5-3/4"	3108824	2	EA	\$65.02	\$130.04
XARM,WOOD,12'-0" X 5-3/4" X 5-3/4"	3108836	2	EA	\$120.97	\$241.94
SWITCH,DISC,HANGING TAP,25KV,600A	3120203	9	EA	\$247.29	\$2,225.62
CABLE,UG,15KV,#2 AL,SOL,175 MIL,5000'	4200012	157.5	FT	\$1.31	\$206.33
CABLE,UG,15KV,1000,AL,COMP,175 EPR	4200016	1260	FT	\$5.45	\$6,867.00
WIRE,TIE,#4,AL,SOLID,SOFT DRAWN	4503405	36	FT	\$0.10	\$3.60
WIRE,TIE,#2,ALUMINUM,SOLID,SOFT DRAWN	4503603	12	FT	\$0.18	\$2.16
CONDUCTOR,AAC,477KCMIL,19STR,COSMOS	4505077	13335	FT	\$0.78	\$10,401.30
CONDUCTOR,AAAC,#2,7 STRAND,BARE,AMES	4506507	210	FT	\$0.15	\$31.50
CONDUCTOR,WIRE,#6,SOFT DRAWN SOLID,BARE,	4518007	214	FT	\$0.35	\$74.90
CONDUCTOR,CU,#4,SOL,BARE,SOFT DRAWN	4518205	348.5	FT	\$0.54	\$188.19
CONDUCTOR,CU,1/0,7STR,BARE,SOFT DRAWN	4519005	63	FT	\$1.52	\$95.76
CONDUCTOR,CU,4/0,19STR,BARE,SOFT DRAWN	4519401	63	FT	\$2.83	\$178.29
CONN,SF,556/500/477AAC-397ACSR,2AAAC	4601019	13	EA	\$14.98	\$194.74
CLAMP,HOTLINE,#8SOL-2/0STR,#8-2/0 CU	4601902	18	EA	\$7.74	\$139.32
CONN,WISE TYPE,CU,#2-3STR,BLTD,0.320 DIA	4623807	25	EA	\$2.61	\$65.25
CONN,H-TAP (#1),0.162-0.332,0.162-0.332	4626008	27	EA	\$0.34	\$9.18
CONN,H-TAP,0.522-0.815,0.162-0.447,COMP	4627204	10	EA	\$1.24	\$12.40
CONN,C-TAP,CU,#6SOL-#4STR,#6SOL/STR,COMP	4634903	3	EA	\$0.44	\$1.32

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CONN,C-TAP,CU,#6SOL-#4STR,#4SOL/STR,COMP	4635009	10	EA	\$0.43	\$4.30
CONN,C-TAP,CU,#2SOL/STR,#8SOL-#4STR,COMP	4635108	6	EA	\$0.80	\$4.80
CONN,C-TAP,CU,1/0-2/0,#2STR-#8SOL,COMP	4635405	3	EA	\$2.54	\$7.62
CONN,C-TAP,CU,1/0-2/0,1/0-2/0,COMP	4635504	6	EA	\$2.74	\$16.44
CONN,C-TAP,CU,3/0-4/0,#2STR-#6SOL,COMP	4635603	6	EA	\$3.54	\$21.24
CONN,SF,4/0AAC/AAAC/ACSR-3/0ACSR	4644803	3	EA	\$2.32	\$6.96
CONN,SF,556/500/477AAC-397ACSR,SAME	4645206	90	EA	\$15.80	\$1,422.00
CONN,SF,556/500/477AAC-397ACSR,336AAC	4645263	6	EA	\$15.25	\$91.50
CONDUCTOR,CU,#2,7STR,BARE,SOFT DRAWN	4657689	20	FT	\$1.10	\$22.00
CLAMP,DE,AUTO GRIP,#2 ACSR/AAAC	4662409	23	EA	\$7.59	\$174.57
LUG,TERM,2-HOLE,LEAD,4/0CU/ACSR/AAC-250	4670501	12	EA	\$2.87	\$34.44
SPLICE,UG,PREMOLDED,15KV,2SOL-2SOL,175M	4748075	3	EA	\$19.44	\$58.32
GUARD,LINE,SGL SPRT,795AAC 37&61(18/SET)	4818407	1	EA	\$14.71	\$14.71
TIE,CBL,15"L,BUNDLING COND,NYLON,INDOOR	4900106	6	EA	\$0.21	\$1.26
CARTRIDGE,SHELL FIRED,BLUE	4907101	8	EA	\$1.19	\$9.52
CARTRIDGE,SHELL FIRED,YELLOW	4907200	148	EA	\$1.22	\$180.56
SPLIT MESH,1-3/4"-2",W/ROD CLOSING	4932505	6	EA	\$27.09	\$162.54
TIE,CBL,14.75"L,BUNDLING,BLACK NYLON,OUT	4954608	48	EA	\$0.52	\$24.96
NAIL,COPPERWELD,10-D,IN 1 LB BOXES	5000202	4.144	LB	\$12.21	\$50.60
SEALANT,FOAM,SPRAY,AEROSAL CAN	5300050	2	EA	\$9.95	\$19.90
LOCK,DISPOSABLE,EQUIPMENT	5460103	3	EA	\$0.64	\$1.92
ARRESTER,SRG,10KV,RISER POLE,MOV	5500138	12	EA	\$29.50	\$354.00
BRACKET,HANGER,XARM,ARRESTER,6" BOLTS	5500201	6	EA	\$6.19	\$37.14
FUSE,LINK,23",6T AMP, UNIVERSAL	5730304	7	EA	\$4.98	\$34.86
INSUL,PIN,25KV,F-NECK,ANSI CL 55-5,1"PIN	5804505	4	EA	\$4.57	\$18.28
INSULATOR,SPOOL,PORC,GRAY,3000LB	5825807	5	EA	\$0.73	\$3.65
INSUL,SUSP,POLY,15/25KV,17",15000LBS	5840251	28	EA	\$10.43	\$292.04
INSUL,SUSP,POLY,35KV,22-1/2",15000LBS	5840285	69	EA	\$12.72	\$877.68
MARKER,EMS,MINI	5950476	1	EA	\$8.77	\$8.77
ANCHOR,DISK,16" DIA,3/16" THICK,192SQ IN	6101976	1	EA	\$45.34	\$45.34
CLAMP,GRD ROD,5/8",CU CLAD GROUND	6113807	12	EA	\$2.09	\$25.08
CONN,GRD,BRZ,XFMR,#8 SOL-#2 STR	6117709	9	EA	\$2.03	\$18.27
GRIP,GUY,DE,5/16",7STR,EHS-UG,STL,BLACK	6126494	5	EA	\$1.64	\$8.20
GRIP,GUY,DE,7/16",7STR,UTILITY GRD,GREEN	6126601	4	EA	\$2.96	\$11.84
GUY,DE,AUTO,STRANDWISE,5/16" UG/AW,SB	6127807	1	EA	\$11.25	\$11.25
GUY,DE,AUTO,STRANDWISE,7/16" UG/AW,SB	6128607	2	EA	\$20.25	\$40.50
MARKER,GUY,PLSTC,8",YELLOW,1/4"-1/2" GUY	6129704	2	EA	\$2.50	\$5.00
HOOK,GUY,2-HOLE,HEAVY DUTY,2-3/4" BOLT	6131742	2	EA	\$5.34	\$10.68
ROD,ANCHOR,1"X7",DISK,CORROSION RESIST	6144523	1	EA	\$81.03	\$81.03
ROD,GRD,5/8" X 8",COPPERWELD/BONDED CU	6146906	11	EA	\$9.76	\$107.36
WIRE,GUY,7/16",UG,18000LB,250' COIL	6155402	100	FT	\$0.48	\$48.00
PROTECTANT,POLE,CU NAPHTHENATE IN P9 OIL	6156145	0.1	PT	\$6.80	\$0.68
WASHER,RND,FLAT,15/16",5/16"HOLE,1/4"B	6200059	18	EA	\$0.06	\$1.08
WASHER,BELV,1/2",9/16"HOLE,GALV	6200273	24	EA	\$0.34	\$8.16
BOLT,MACHINE,3/8" X 5",W/SQUARE NUT	6206700	8	EA	\$0.35	\$2.80

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BOLT,MACH,1/2" X 8",XARM,GALV	6208508	8	EA	\$0.65	\$5.20
BOLT,MACH,1/2" X 14",XARM,GALV	6208904	3	EA	\$1.22	\$3.66
BOLT,MACH,5/8" X 10",XARM,GALV	6211007	2	EA	\$0.95	\$1.90
BOLT,MACH,5/8" X 12",XARM,GALV	6211106	18	EA	\$1.03	\$18.54
BOLT,MACH,5/8" X 14",XARM,GALV	6211205	28	EA	\$1.18	\$33.04
BOLT,MACH,5/8" X 16",XARM,GALV	6211304	17	EA	\$1.45	\$24.65
BOLT,MACH,5/8" X 18",XARM,GALV	6211403	3	EA	\$1.70	\$5.10
BOLT,MACH,3/4" X 12",XARM,GALV	6214209	4	EA	\$2.05	\$8.20
BOLT,MACH,3/4" X 14",XARM,GALV	6214308	29	EA	\$2.03	\$58.87
BOLT,MACH,3/4" X 16",XARM,GALV	6214407	2	EA	\$2.18	\$4.36
BOLT,MACH,3/4" X 24",XARM,GALV	6214803	2	EA	\$3.58	\$7.16
BOLT,DOUBLE ARM,5/8" X 14",W/4 NUTS,GALV	6221105	15	EA	\$2.11	\$31.65
BOLT,DOUBLE ARM,5/8" X 16",W/4 NUTS,GALV	6221204	2	EA	\$2.11	\$4.22
BOLT,DOUBLE ARM,5/8" X 18",W/4 NUTS,GALV	6221303	3	EA	\$2.05	\$6.15
BOLT,DOUBLE ARM,5/8" X 22",W/4 NUTS,GALV	6221501	4	EA	\$2.61	\$10.44
BOLT,DOUBLE ARM,3/4" X 14",W/4 NUTS,GALV	6223101	7	EA	\$3.30	\$23.10
BOLT,HEX,1/2" X 1",ASSEMBLY,GALV	6224980	24	EA	\$0.58	\$13.92
BOLT ASSY,OVVAL EYE,5/8"X12",W/SQ NUT,GAL	6241806	5	EA	\$2.68	\$13.40
BOLT ASSY,HEX HEAD,1/2"-13NC X 2"	6250302	12	EA	\$3.00	\$36.00
BOLT,DOUBLE UPSET,5/8" X 12",ASSY,1 NUT	6253140	4	EA	\$4.57	\$18.28
NUT,LOCK,5/8",MF #1 SQ TYPE, GALV STEEL	6257505	2	EA	\$0.18	\$0.36
WASHER,SQ,CURVED,3"X3",11/16" HOLE	6269203	87	EA	\$0.63	\$54.81
WASHER,SQ,CURVED,3"X3",13/16" HOLE	6269302	43	EA	\$0.65	\$27.95
WASHER,RND,FLAT,1",7/16"HOLE,3/8" BOLT	6275002	8	EA	\$0.05	\$0.40
WASHER,SPRING,3/8",DOUBLE HELIX	6279509	20	EA	\$0.34	\$6.80
WASHER,SPRING,1/2",DOUBLE HELIX	6279608	11	EA	\$0.41	\$4.51
WASHER,SPRING,5/8",DOUBLE HELIX	6279707	155	EA	\$0.70	\$108.50
WASHER,SPRING,3/4",DOUBLE HELIX	6279806	59	EA	\$0.83	\$48.97
WASHER,SQ,FLAT,2"X2"X1/8",9/16" HOLE	6280804	8	EA	\$0.19	\$1.52
WASHER,SQ,FLAT,2.25"X2.25"X3/16",11/16"H	6280903	48	EA	\$0.26	\$12.48
WASHER,SQ,FLAT,2.25"X2.25"X3/16",13/16"H	6281000	12	EA	\$0.27	\$3.24
BRACE,XARM,FLAT STL,28" L,7/16" & 9/16"	6307706	4	EA	\$3.53	\$14.12
BRACKET,HANGER,XARM,CUTOUT,3-3/4"X4-3/4"	6312607	6	EA	\$9.14	\$54.84
BRACKET,HORZ,15" ARM,TANGENTS & ANGLES	6315402	2	EA	\$35.01	\$70.02
MOUNT,XFMR,CLSTR,3 UNIT,10-100KVA,NORMAL	6344105	2	EA	\$160.76	\$321.52
CLEVIS,INSUL,SEC,FOR CLASS 53-2	6422604	1	EA	\$3.07	\$3.07
NUT,CLEVIS,5/8",MIN ULT STRTH,15000LBS	6423503	2	EA	\$4.54	\$9.08
NUT,OVVALEYE,5/8",FORGED STL,HOT DIP GALV	6434302	56	EA	\$1.39	\$77.84
NUT,OVVALEYE,3/4",FORGED STL,HOT DIP GALV	6434401	6	EA	\$1.63	\$9.78
NUT,THIMBLE EYE,3/4",FORGED STEEL	6434807	1	EA	\$2.04	\$2.04
PIN,INSUL,POLE TOP,20"LONG,1"NYLON THD	6448104	5	EA	\$6.96	\$34.80
PIN,INSUL,3/4" X 1-3/8",STEEL ARM	6448568	28	EA	\$13.08	\$366.24
PIN,INSUL,5/8"X6.5",1"THD,6"BELOW/8"ABOV	6448658	17	EA	\$14.00	\$238.00
PIN,INSUL,5/8" X 6.5",3" THREADED LENGTH	6448807	4	EA	\$4.09	\$16.36
PIN,INSUL,5/8" X 7.5",3" THREADED LENGTH	6449235	16	EA	\$15.62	\$249.92

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SCREW,LAG,1/2" X 4-1/2",PILOT POINT	6459804	35	EA	\$0.46	\$16.10
PIN,THIMBLE ADPTR,5/8"BOLT TO 1",STD CON	6477400	2	EA	\$4.85	\$9.70
BELL END,PVC,4", TYPE DB,FOR PVC CND	6605802	4	EA	\$3.50	\$14.00
BELL END,PVC,6", TYPE DB,FOR PVC CND	6606008	2	EA	\$5.62	\$11.24
CONDUIT,PVC,4",SCH 40,10'L,1 BELL END	6617807	170	FT	\$2.04	\$346.80
CONDUIT,PVC,6",SCH 40,10'L,1 BELL END	6618003	90	FT	\$4.02	\$361.80
COUPLING,CND,PVC,6",FEMALE SMOOTH	6633101	2	EA	\$5.72	\$11.44
BOX,UG,SEC JCT,17"W X 30"L X 16"H,PLSTC	6709703	2	EA	\$60.28	\$120.56
TERMINATOR,UG,COLD,15KV,2SOL,175-220MIL	6800288	6	EA	\$39.27	\$235.62
SLEEVE,UG,PRI,HEAT,33"L,MIN0.85",MAX1.9	6800321	3	EA	\$8.68	\$26.04
JCT,UG,LDBRK,15KV,200A,4POS,ABOVE GRADE	6807358	3	EA	\$109.52	\$328.56
CAP,UG,200A,INSUL,15KV,LOADBREAK	6813703	6	EA	\$21.15	\$126.90
PREPARATION KIT,CBL,1 STRIP 1"X48" EMERY	6877609	3	EA	\$5.79	\$17.37
BRACKET,FIBERGLASS,18",CUTOUT & ARRESTER	7991222	1	EA	\$39.40	\$39.40
GUARD,ANIMAL,HOSE,SPLIT,SILICONE1.25"ID^	7991311	70	FT	\$7.21	\$504.70
CABLE,UG,15KV,#2 SOLID, PARALLEL 3 PH	7992522	220.5	FT	\$3.55	\$782.78
INSUL,GUY,FBRGL,15K,36" THIMBLE-THIMBLE	7992551	3	EA	\$11.93	\$35.79
XARM,FIBERGLASS,DEADEND,10FT,2POSITION^	7992709	6	EA	\$275.59	\$1,653.56
COVER,CUTOUT,POLYMER,27KV,150BIL	7992738	13	EA	\$28.62	\$372.06
PLUG,FOAM DONUT,3"-6"	7992782	2	EA	\$1.16	\$2.32
WIRE,JUMPER,#4-7 CU,SOFT-D,80 MILS COVER	7992803	47.25	FT	\$0.88	\$41.58
WIRE,JUMPER,#6-7 CU,SOFT-D,80 MILS COVER	7999036	164.85	FT	\$0.69	\$113.75
HOOK,GUY,MULTIPLE APPLICATION, 3/4" HOLE	7999106	1	EA	\$8.47	\$8.47
CABINET,SECT,15KV,3PH,AL,33" TALL	7999134	1	EA	\$1,375.40	\$1,375.40
ELBOW,LOAD BREAK,200 AMP,15 KV,#2 SOL	7999370	6	EA	\$30.59	\$183.54
INSUL,GUY,FBRGL,15K,36",THIMBLE-CLEVIS^	7999496	1	EA	\$16.78	\$16.78
INSUL,PIN,25KV,CLAMP TOP,1" PIN THD^	7999665	2	EA	\$19.10	\$38.20
INSUL,PIN,35KV,CLAMP TOP,1" PIN THD^	7999666	66	EA	\$26.10	\$1,722.60
GAIN,METAL,4X5",13/16HOLE,BONDING CLIP^	7999669	4	EA	\$11.41	\$45.64
GAIN,METAL,4"X7",13/16HOLE,BONDING CLIP^	7999670	4	EA	\$9.20	\$36.80
CUTOUT,POLYMER,27KV,100A,12KA,UNIVERSAL^	7999719	13	EA	\$79.52	\$1,033.76
XARM,FIBERGLASS,DEADEND,10FT,4POSITION^	7999724	3	EA	\$314.26	\$942.78
GUARD,SPRING LOADED,EQUIP BUSHING COVER^	7999796	7	EA	\$11.89	\$83.23
ELBOW,FIBERGLASS,4",90D,36",1M 1F PVC^	8000929	1	EA	\$63.09	\$63.09
ELBOW,FIBERGLASS,6",90D,48",1M 1F PVC^	8000939	2	EA	\$156.04	\$312.08
INSUL,SUSP,POLY,15-35KV,FOR AVIAN PROT^	8001208	4	EA	\$81.28	\$325.12
GUARD,BIRD,DEADEND^	8002457	2	EA	\$62.07	\$124.14

Total Estimated Material

\$ 53,219.76

INTERNAL LABOR	QTY	UNIT	UNIT COST	TOTAL COST
Estimator	40	Hrs.	\$110	\$4,400
Line Crew & Equipment	16	Hrs.	\$130	\$2,080

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Project Manager / Inspector	60	Hrs.	\$130	\$7,800
Engineer	24	Hrs.	\$125	\$3,000
Drafter / Designer	24	Hrs.	\$78	\$1,872
Property Services	8	Hrs.	\$78	\$624
Total Estimated Labor				\$19,776

EXTERNAL CONTRACT SERVICES	QTY	UNIT	UNIT COST	TOTAL COST
Contract labor trenching	1	Lot	\$13,500	\$13,500
Contract labor	1	Lot	\$75,000	\$75,000
Barricading & Flagging	1	Lot	\$10,000	\$10,000
Total Estimated Contract Services				\$98,500

OTHER RELATED EXPENSES	QTY	UNIT	UNIT COST	TOTAL COST
Stores Distribution Expense	8%	of	\$53,220	\$4,258
Total Estimated Other Related Expenses				\$4,258

PacifiCorp Surcharge / Overheads	14.40%	of	\$175,753	\$25,308
AFUDC	7.14%	of	\$201,062	\$14,356
Total Estimated Surcharge & AFUDC				\$39,664

Less Salvage				\$0
Total Estimated Cost	Work Order 6018739			\$215,418
Utah Department of Transportation Estimated Cost (51% of total cost)				\$109,863

*** Estimate expires after 90 days ***



DETAILED ESTIMATE OF COST

UDOT PROJECT - Fort Union Blvd & Highland Dr Transmission Line Relo

**Rocky Mountain Power File No. R2-123
Work Order 6069432**

14-Sep-15

**Total Project Estimated Cost \$819,097
UDOT Total Estimated Cost \$819,097**

This work order is to relocate the Butlerville-Holladay 46kV transmission line at Fort Union Blvd and Highland Dr in Cottonwood Heights, UT.

This project involves relocating three steel and three wood transmission poles.

MATERIAL COMPONENTS	STOCK NO.	QTY	UNIT	UNIT COST	TOTAL COST
CLIP,BONDING,7/8" BOLT	1002802	9	EA	\$1.18	\$10.62
LINK,CLEVIS,EYE,15"C-C,WIDE THRT,13/16"E	1002821	6	EA	\$34.10	\$204.60
POLE,WOOD,75 FT,CLASS H-5,TRANSMISSION	1003589	1	EA	\$3,627.80	\$3,627.80
POLE,WOOD,80 FT,CLASS H-3,TRANSMISSION	1003592	1	EA	\$3,087.19	\$3,087.19
DEADEND,COMP,SGL TNG,VERT EYE,397.5ACSR	1004384	6	EA	\$77.42	\$464.52
CLEVIS,Y,EYE,90DEG,5/8"THICK EYE,11/16"	1005226	1	EA	\$15.43	\$15.43
WIRE,GUY,3/8",EHS,15400LBS,250' COIL	1005305	200	FT	\$0.38	\$76.00
CONDUCTOR,DEPLETED,NO REPLACEMENT	1010115	600	FT	\$0.96	\$576.00
WEIGHT,LINE,XMSN,60LB,TEARDROP CAST IRON	1300344	3	EA	\$377.10	\$1,131.30
INSUL,POST,138KV,HORZ,POLY,61",FLAT BASE	1460190	6	EA	\$259.23	\$1,555.38
BRACKET,SPRT,SHIELD WIRE,3/4"X18",W/1/2"	1510360	3	EA	\$36.86	\$110.58
CLIP,GROUND,#4 SOLID COPPER	1530298	156	EA	\$0.34	\$53.04
NUT,SQUARE,7/8",9 THD PER INCH,GALV	1570219	9	EA	\$0.55	\$4.95
POLE,WOOD,95 FT,CLASS H-1,TRANSMISSION	1616958	1	EA	\$3,505.85	\$3,505.85
PLATE,NAME,"PACIFICORP",ALUM,3/4"X5-1/2"	3002246	4	EA	\$0.95	\$3.80
CONDUCTOR,CU,#4,SOL,BARE,SOFT DRAWN	4518205	418	FT	\$0.54	\$225.72
CONN,C-TAP,CU,#6SOL-#4STR,#4SOL/STR,COMP	4635009	9	EA	\$0.43	\$3.87
NAIL,COPPERWELD,10-D,IN 1 LB BOXES	5000202	3	LB	\$12.70	\$38.09
STAPLE,GRD,1.75" L,GROUND WIRE,GALV	5010106	2	LB	\$1.69	\$3.38
INSUL,POST,161KV,HORZ,POLY,70",INTEGRAL	5800350	9	EA	\$240.76	\$2,166.84

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GRIP,GUY,DE,3/8",7STR,EHS,ORANGE	6126502	4	EA	\$1.96	\$7.84
BOLT,MACH,7/8" X 26",XARM,GALV	6217301	9	EA	\$10.74	\$96.66
BOLT,MACH,7/8" X 28",XARM,GALV	6217400	9	EA	\$16.18	\$145.62
BOLT,MACH,3/4" X 3",HEX,HEX NUT,GALV	6237804	24	EA	\$1.08	\$25.92
BOLT,MACH,1"X3",HEX HEAD,NO NUT,GALV	6239305	8	EA	\$2.16	\$17.28
BOLT,MACH,1" X 5-1/2",HEX,NO NUT,GALV	6239404	6	EA	\$6.92	\$41.52
BOLT ASSY,HEX HEAD,1/2"-13NC X 3-1/2"	6250427	4	EA	\$3.18	\$12.72
NUT, LOCK, 1", ANCO, H HEX, GALV.	6256309	14	EA	\$2.58	\$36.12
NUT,LOCK,3/4",MF #1 SQ TYPE, GALV STEEL	6257604	3	EA	\$0.36	\$1.08
NUT,LOCK,7/8",MF #1 SQ TYPE, GALV STEEL	6257703	18	EA	\$0.51	\$9.18
WASHER,SQ,CURVED,4"X4",13/16" HOLE,REINF	6268502	3	EA	\$2.47	\$7.41
WASHER,SQ,CURVED,4"X4"X1/4",15/16" HOLE	6269005	18	EA	\$1.46	\$26.28
WASHER,SPRING,CLIP,13/16"HOLE,FOR 3/4"B	6277305	3	EA	\$1.64	\$4.92
WASHER,SPRING,CLIP,15/16"HOLE,FOR 7/8"B	6277404	18	EA	\$1.80	\$32.40
CLAMP,TRUN,POST INSUL,AL,0.50"-1.06"	6411706	15	EA	\$6.33	\$94.95
CLAMP,SUSP,STD,FE,0.20"-0.60",16000LB WO	6420020	4	EA	\$12.47	\$49.88
CLEVIS,Y,BALL,HOTLINE,6" CLEARANCE,30000	6425102	6	EA	\$16.32	\$97.92
LINK,GUY,FLAT,9" C-C,1-1/16" DIA HOLES	6445605	8	EA	\$10.00	\$80.00
ROLLER,GUY,GALV,2.75"DIA,1-1/16" HOLE	6458400	4	EA	\$4.12	\$16.48
CLEVIS,SKT,HOTLINE,EXT,10" C TO C,30000	6465801	6	EA	\$16.80	\$100.80
TOWER,TUBE(NO ORDER),ST,TANGENT,STRUCT.	7991102	1	EA	\$13,200.00	\$13,200.00
TOWER,TUBE(NO ORDER),ST,ANGLE,STRUCT.	7991103	1	EA	\$27,000.00	\$27,000.00
TOWER,TUBE(NO ORDER),ST,DE,STRUCT.	7991104	1	EA	\$60,200.00	\$60,200.00
TAG,EMBOSSSED,3",BLK ON YEL,NUMBER 0 & O	7999957	1	EA	\$2.30	\$2.30
TAG,EMBOSSSED,3",BLK ON YEL,NUMBER 1	7999958	2	EA	\$4.98	\$9.96
TAG,EMBOSSSED,3",BLK ON YEL,NUMBER 2	7999959	6	EA	\$2.14	\$12.84
TAG,EMBOSSSED,3",BLK ON YEL,NUMBER 3	7999960	1	EA	\$1.69	\$1.69
TAG,EMBOSSSED,3",BLK ON YEL,NUMBER 4	7999961	1	EA	\$2.06	\$2.06
TAG,EMBOSSSED,3",BLK ON YEL,NUMBER 6 & 9	7999963	1	EA	\$2.76	\$2.76
INSUL,SP,POLY,10K,46/69,115,138KV,70-75	8000100	6	EA	\$127.35	\$764.10
HOLDER,TAG,VERTICAL,FOR THREE TAGS	8003092	2	EA	\$3.05	\$6.10
NAIL,ALUMINUM,1-1/2",SCREW SHANK FOR	8229809	1	LB	\$5.88	\$5.88
SEALANT,SILICONE,RTV,CLEAR,3 OZ	9011874	2	EA	\$3.06	\$6.12

Total Estimated Material

\$ 118,983.75

INTERNAL LABOR	QTY	UNIT	UNIT COST	TOTAL COST
Estimator	40	Hrs.	\$110	\$4,400
Line Crew & Equipment	16	Hrs.	\$130	\$2,080
Project Manager / Inspector	60	Hrs.	\$130	\$7,800
Engineer	24	Hrs.	\$125	\$3,000
Drafter / Designer	24	Hrs.	\$78	\$1,872
Property Services	8	Hrs.	\$78	\$624

EXHIBIT B 9 of 11

Total Estimated Labor \$19,776

EXTERNAL CONTRACT SERVICES	QTY	UNIT	UNIT COST	TOTAL COST
Contract labor	1	Lot	\$500,000	\$500,000
Barricading & Flagging	1	Lot	\$20,000	\$20,000
Total Estimated Contract Services				<u>\$520,000</u>

OTHER RELATED EXPENSES	QTY	UNIT	UNIT COST	TOTAL COST
Stores Distribution Expense	8%	of	\$118,984	\$9,519
Total Estimated Other Related Expenses				<u>\$9,519</u>

PacifiCorp Surcharge / Overheads	14.40%	of	\$668,278	\$96,232
AFUDC	7.14%	of	\$764,511	\$54,586
Total Estimated Surcharge & AFUDC				<u>\$150,818</u>

Less Salvage				\$0
Total Estimated Cost	Work Order 6069432			<u>\$819,097</u>
Utah Department of Transportation Estimated Cost (100% of total cost)				<u>\$819,097</u>

*** Estimate expires after 90 days ***



DETAILED ESTIMATE OF COST

UDOT PROJECT - Fort Union Blvd & Highland Dr Transmission Line Relo

Rocky Mountain Power File No. R2-123
Work Order 6070338

14-Sep-15

Total Project Estimated Cost \$991,848
UDOT Total Estimated Cost \$991,848

This work order is to relocate the Butlerville-Hammer 138kV transmission line at Fort Union Blvd and Highland Dr in Cottonwood Heights, UT.

This project involves relocating four steel transmission poles.

MATERIAL COMPONENTS	STOCK NO.	QTY	UNIT	UNIT COST	TOTAL COST
CLEVIS,Y,EYE,90DEG,5/8"THICK EYE,11/16"	1005226	4	EA	\$15.43	\$61.72
WIRE,GUY,3/8",EHS,15400LBS,250' COIL	1005305	100	FT	\$0.38	\$38.00
CONDUCTOR,ACSR,795KCMIL,26/7STR,DRAKE	4510301	600	FT	\$1.27	\$762.00
BOLT,MACH,3/4" X 3",HEX,HEX NUT,GALV	6237804	96	EA	\$1.08	\$103.68
CLAMP,TRUN,POST INSUL,AL,1.00"-1.50"	6411805	24	EA	\$6.46	\$155.04
CLAMP,SUSP,STD,FE,0.20"-0.60",16000LB WO	6420020	4	EA	\$12.47	\$49.88
TOWER,TUBE(NO ORDER),ST,TANGENT,STRUCT.	7991102	4	EA	\$36,000.00	\$144,000.00
INSUL,POST,161KV,HORZ,POLY,70",FLAT BASE	7992871	24	EA	\$278.19	\$6,676.56
TAG,EMBOSSSED,3",BLK ON YEL,NUMBER 2	7999959	4	EA	\$2.14	\$8.56
TAG,EMBOSSSED,3",BLK ON YEL,NUMBER 6 & 9	7999963	2	EA	\$2.76	\$5.52
TAG,EMBOSSSED,3",BLK ON YEL,NUMBER 7	7999964	1	EA	\$3.28	\$3.28
TAG,EMBOSSSED,3",BLK ON YEL,NUMBER 8	7999965	1	EA	\$5.03	\$5.03
HOLDER,TAG,VERTICAL,FOR THREE TAGS	8003092	4	EA	\$3.05	\$12.20
SEALANT,SILICONE,RTV,CLEAR,3 OZ	9011874	4	EA	\$3.06	\$12.24
Distribution Arms	N/A	1	LOT	\$5,000.00	\$5,000.00
Total Estimated Material					\$ 156,893.71

EXHIBIT B 11 of 11

INTERNAL LABOR	QTY	UNIT	UNIT COST	TOTAL COST
Estimator	40	Hrs.	\$110	\$4,400
Line Crew & Equipment	16	Hrs.	\$130	\$2,080
Project Manager / Inspector	60	Hrs.	\$130	\$7,800
Engineer	24	Hrs.	\$125	\$3,000
Drafter / Designer	24	Hrs.	\$78	\$1,872
Property Services	8	Hrs.	\$78	\$624
Total Estimated Labor				\$19,776

EXTERNAL CONTRACT SERVICES	QTY	UNIT	UNIT COST	TOTAL COST
Contract labor	1	Lot	\$600,000	\$600,000
Barricading & Flagging	1	Lot	\$20,000	\$20,000
Total Estimated Contract Services				\$620,000

OTHER RELATED EXPENSES	QTY	UNIT	UNIT COST	TOTAL COST
Stores Distribution Expense	8%	of	\$156,894	\$12,551
Total Estimated Other Related Expenses				\$12,551

PacifiCorp Surcharge / Overheads	14.40%	of	\$809,221	\$116,528
AFUDC	7.14%	of	\$925,749	\$66,098
Total Estimated Surcharge & AFUDC				\$182,626

Less Salvage				\$0
Total Estimated Cost	Work Order 6070338			\$991,848
Utah Department of Transportation Estimated Cost (100% of total cost)				\$991,848

*** Estimate expires after 90 days ***

Exhibit C
FORM OF BUY AMERICA CERTIFICATE TO BE UTILIZED

Certification Requirement for 23 CFR 635.410 Buy America

This project will be utilizing federal funds. Please complete this Buy America Certification and return at or prior to the time the applicable materials are delivered.

Buy America Certification

I certify that all materials provided to _____ for use on a Federal Aid Highway Project meet the requirements of 23 CFR 635.410 Buy America and any amendments thereto. Material Certificates of Compliance for each manufacturing and coating process performed during the production of these materials are attached.

Signature _____

Name _____

Title _____

Supplier Company Name _____

Date _____

Purchase Order Number _____

INSTRUCTIONS FOR COMPLETING THE BUY AMERICA CERTIFICATE

- A. All products manufactured from steel and iron must be manufactured in the United States to be considered domestic.
 - 1. All manufacturing processes of the steel and iron material in a product such as melting, rolling, extruding, machining, bending, grinding, drilling, and coating must occur within the United States.
 - 2. Nondomestic raw materials are permitted so long as the melting and all subsequent manufacturing processes occur domestically.
 - 3. Coating includes all processes that protect or enhance the value of the material to which the coating is applied. The material applied as a coating is not subject to Buy America.

- B. Include as a minimum the following information for Material Certifications of Compliance for Buy America:
 - 1. Signed mill test report.
 - 2. Signed certification by each Fabricator and Manufacturer that has handled the steel or iron product affirming that every process, including the application of a coating, performed on the steel or iron product has been carried out in the United States.
 - 3. Material descriptions, quantities, and means of material identification such as heat numbers, lot numbers, and other industry identification markings for each process the material underwent so the final product can be tracked through a step process from melting to final product.
 - 4. Tracking of quantities is not required for coating operations.

- C. Include all steel or iron materials that can't be substantiated as being of domestic origin in cost documentation for foreign steel or iron.