

FOR BOARD ACTION

Agenda Item # 6.b.

Meeting Date: 9/26/06

SUBJECT:

General Construction RPU Steam Supply Project Contract 02-28-C
Change Order 006

PREPARED BY:

Wally Schlink, Director of Power Resources

ITEM DESCRIPTION:

Background: In May, 2001 RPU staff presented the initial project concept of a steam supply project to the RPU Utility Board for consideration. In June, 2001 the Board approved the project at their regularly scheduled Board meeting. At that time the commercial operation of the project was anticipated to be December, 2002.

On October 29, 2002 the RPU Utility Board approved a contract with Knutson Construction Services for the installation of a high pressure steam supply and condensate return system connecting the Silver Lake Plant with the Prospect Utility Plant portion of the project. The initial value of the approved contract was \$4,580,000. The contracts were signed in January 2003 with the anticipation that construction was to begin in the early spring of 2003 and substantial completion was to be by November 14, 2003.

Due to the delay in the start in construction, increases in the cost of procurement of materials and changes in the scope of work there have been various change orders to the contract requested and approved. The contract history is in the following table.

Action	Date Submitted	Cost	Adjusted Contract Total
Original Contract	October 2002	\$4,580,000	
Change Order 001	September 2004	\$1,305,950	\$5,885,950
Change Order 002	April 2005	\$100,726	\$5,986,676
Change Order 003	July 2005	\$94,279	\$6,080,955
Change Order 004	October 2005	\$316,387	\$6,397,342
Change Order 005	January 2006	\$273,511	\$6,670,853
Change Order 006	September 2006	\$ 301,670	\$ 6,972,523

RPU Change Order 006 is being presented for additions to the scope and field adjustments that are required. The total being requested in Change Order 006 is \$301,670

These changes are connected to the portion of the project that is a "pass through" cost and will be recovered as incurred from the end customer.


General Manager


Date

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Attached is the recommendation from Stanley Consultants and the support documentation which specifically defines the changes and related costs.

UTILITY BOARD ACTION REQUESTED:

Staff recommends that the Utility Board approve RPU Change Order 006 to the contract with Knutson Construction Services in the amount of \$301,670 for the General Construction RPU Steam Supply Project. This brings the total amount of the contract to \$6,972,523

General Manager

Date

ROCHESTER PUBLIC UTILITIES



Stanley Consultants co.

A Stanley Group Company
Engineering, Environmental and Construction Services - Worldwide

September 18, 2006

Tom Williamson
Rochester Public Utilities
4000 East River Road NE
Rochester, MN 55906-2813

Dear Mr. Williamson:

Subject: RPU Steam and Condensate Project Change Order Packet 3-011

The following proposals have been received by Stanley Consultants:

PCO-092	3-100	Spray Insulation and Sand on MH Covers	\$ 17,421.00
PCO-093	3-100	Apply Mineral Wool inside of Vaults	\$ 7,316.00
PCO-094	3-100	Apply Ceramic Coating to Misc. Interior Vault Steel	\$ 107,897.00
PCO-095	3-101	Modify Vault Wall for Access to EJ	\$ 4,634.00
POC-096	3-104	Vault Venting and Vault 3 Sump	\$ 164,402.00
Total Amount of Change Orders			\$ 301,670.00

After review of the above proposals, it is the recommendation of Stanley Consultants that these proposals be accepted as additions to the contract documents and Knutson Construction Services contract for the RPU Steam and Condensate Project be increased an additional \$ 301,670.00.

Sincerely,

Stanley Consultants, Inc.

Gary L. Phillips
Sr. Resident Project Representative

Enclosure(s): KCS Proposed Change Order 92
KCS Proposed Change Order 93
KCS Proposed Change Order 94

This document was sent electronically

Tom Williamson

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KCS Proposed Change Order 95
KCS Proposed Change Order 96

cc: Mr. Derek O'Connor, KCS
Mr. Mark Henthorn, SCI
Mr. Mark Browning, Mayo

GLP:gp

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3-001	Delete Field Insulation	\$ (89,362.00)				
3-002	Vault and WTP Coordinates	\$ -				
3-003	First Revised Project Start	\$ -				
3-004	Revisions to M330	\$ -				
3-005	Conduit Under Broadway to RPU	\$ (4,452.00)	\$ (5,250.00)			
3-006	Delete Railroad Signal	\$ -	\$ -			
3-007	Move RO Skid	\$ -	\$ -			
3-008	Building Code Revisions to Metal Building	\$ -	\$ 5,518.00			
3-009	Relocation of WTP Due to Right of Way Requirement	\$ 14,873.00	\$ (5,364.00)			
3-010	Modify WTP Due to Zoning Requirements	\$ 13,025.00				
3-011	Public Works Comments	\$ 9,066.00	\$ (4,873.00)			
3-012	Revised Second Start	\$ 995,085.00				
3-013	Fall Crossing at Civic Center Drive	\$ -				
3-014	Additional 3" Conduit To Substation From Broadway	\$ 19,320.00	\$ 2,324.00			
3-015	C322 & C333 Drawing Clarifications	\$ -				
3-016	Site Offices	\$ -				
3-017	3" PVC Conduit - WTP to RPU Manhole	\$ 9,132.00	\$ (9,132.00)			
3-018	Delete Alternate 2 From Original Contract	\$ (4,973.00)				
3-019	Relocate and Insulate Water Services on 6th Street	\$ 84,744.00				
3-020	Increase Mineral Wool Insulation to 7"	\$ 239,492.00	\$ (981.00)			
3-021	Contract Unit Pricing					
3-022	Pipe Procurement Direction for WTP		\$ -			
3-023	Transformer and Transfer Switch Location		\$ -			
3-024	Provide 4" Isolation Valve at WTP		\$ 1,075.00			
3-025	Parking Light Removal and Replacement		\$ -			
3-026	4" Conduit to Substation From Broadway		\$ 5,559.00			
3-027	XHD Hand Hole Lids		\$ 1,589.52			
3-028	Increase Conduit Size to 4" on ITC 014, etc		\$ 56,955.00			
3-029	Communication and Low Voltage Conduits		\$ 3,765.00			
3-030	Electrical Revisions		\$ -			
3-031	4" Conduit from WTP to Broadway		\$ 14,702.00			
3-032	Hardware Modifications		\$ 210.96			
3-033	Delete Cap on 8" CIP Water Main		\$ -			
3-034	Relocate 10 Inch Gas Main at SLP		\$ 19,686.00			
3-035	Nema 4 Pull Box at Vault 10 Location		\$ 2,693.00			
3-036	Buried Pipe Anchor at WTP				\$ 66,495.00	
3-037	Concrete Pier Elevation Modification		\$ 8,192.00			
3-038	Rail Road Protective Insurance		\$ 1,798.00			
3-039	Buried Pipe Anchors					
3-040	Main Steam at Prospect Plant			\$ 86,619.00		
3-041	Additional Costs for Uncharted Utilities		\$ 2,259.00			
3-042	Dewatering at 6th Street				\$ 5,977.00	
3-043	Power for Door Opener				\$ 633.00	
3-044	Pot Hole for Vault 8				\$ 4,340.00	
3-045	Relocate Vault 2					\$ 5,766.00
3-046	Replace Fire Hydrants along Sixth Street				\$ 13,934.00	
3-047	EJ 681 W/Longer Travel			\$ 3,910.00		
3-048	Unit Heater Circuit Breaker				\$ 11,431.00	
3-049	Vault 8 Revision - Interference with 48" Storm Sewer					\$ 30,874.00
3-050	Not Used					
3-051	City Water Department Directed Broadway Mod					\$ 650.00
3-052	Asphalt At Collins Feed					\$ 7,544.00
3-053	City Water Main 6th Street NW and Second Avenue				\$ 101,654.00	
3-054	Additional Water Services Along 2nd Avenue				\$ 6,193.00	
3-055	Supersedes ITC 039 on Pipe Anchors					
3-056	Vault Three Location Due to Skewed Casings					
3-057	Aluminum Jacket on Exposed Perma Pipe				\$ 10,320.00	
3-058	Vault 9 Modifications Due to Skewed Casings					
3-059	Sixth Street Co-ordinates				\$ 411.00	
3-060	Change Species and Trunk Sizes of Trees			\$ (1,324.00)		
3-061	Additional Signage @ Civic Center Drive			\$ 412.00		
3-062	Sanitary Sewer @ Oakridge Apartments		\$ 372.00	\$ 1,850.00	\$ 3,925.00	
3-063	Additional Insulation for Water Mains		\$ 4,290.00			
3-064	Manhole @ Second Avenue and Sixth Street NW			\$ 13,562.00	\$ 1,752.00	
3-065	Anchor Block 4 Modification				\$ 798.00	
3-066	ITC 3-015 Nullified					
3-067	Mayo Warehouse Sanitary Sewer Service			\$ 22,386.00	\$ 1,194.00	
3-068	Relocate Lights in WTB			\$ 457.00		
3-069	Reroute of Sanitary Service			\$ 7,116.00	\$ 4,749.00	
3-070	Assist DM&E Clean Up			\$ 1,854.00		
3-071	Sidewalk and Curb Issues				\$ 558.00	
3-072	Bore Schedule					
3-073	Civic Center Drive Lighting			\$ 4,927.00		
3-074	Additional Storm Sewer Manhole				\$ 784.00	
3-075	Conduits @ Vault 8					

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3-076	RR Xing Signal Arm Base Modifications						
3-077	Mayo Catch Basin Modification						
3-078	Collins Feed Curb Modification					\$ 1,773.00	
3-079	Modification of ERS @ Vault 10				\$ 30,703.00		
3-080	480 V Breaker for Emergency Eye Wash in WTB				\$ 1,091.00		
3-081	Remove Two Additional Trees on Sixth Street NW					\$ 1,462.00	
3-082	Remove Duct Bank at N78618					\$ 1,430.00	
3-083	Catch Basin 7 Modification					\$ 35,626.00	
3-084	Delete Catch Basin 5					\$ (716.00)	
3-085	Demo Pedestrian Ramps					\$ 502.00	
3-086	Alley Approach Between Lot 11 and Lot 33 on 6th St.					\$ 526.00	
3-087	Replace Residential Curb Stops				\$ 11,052.00		
3-088	Extend Second Avenue South					\$ 3,069.00	
3-089	Anchor Block 17 Modification						
3-090	Sway Strut Pin Sizing						
3-091	Anchorage in Vault 3						
3-092	Splash Blocks at WTB					\$ 247.00	
3-093	Vault 9 Expansion Joints						
3-094	Duct Bank at Vault 4					\$ 2,663.00	
3-095	Communication Conduit in Substation					\$ (940.00)	
3-096	Bituminous Patch at Mayo Warehouse					\$ 1,821.00	
3-097	Vault 6 Manhole Cover Modification					\$ 1,492.00	
3-098	Rock Excavation					\$ 146,280.00	
3-099	Civic Center Drive Work (Aggress Schedule)					\$ 19,900.00	
3-100	Spray Insulation and Sand on MH Covers						\$ 17,421.00
3-100	Apply Mineral Wool Inside of Vaults						\$ 7,316.00
3-100	Apply Ceramic Coating to Misc. Interior Vault Steel						\$ 107,897.00
3-101	Modify Vault Wall for Access to EJ						\$ 4,634.00
3-102	High Pressure Steam Alignment (Never Issued)						
3-103	HPS Pipe realignment (Superseded by ITC 105)						
3-104	Vault Venting and Vault 3 Sump Pump						\$ 164,402.00
3-105	HPS Pipe realignment (Superseded by ITC 105)						
		\$ 1,305,950.00	\$ 100,726.48	\$ 94,279.00	\$ 316,386.00	\$ 273,511.00	\$ 301,670.00



RESOLUTION

BE IT RESOLVED by the Public Utility Board of the City of Rochester, Minnesota, to approve Change Order No. 006 to the General Construction RPU Steam Supply Project Contract 02-28-C with Knutson Construction Services in the amount of \$301,670.00. This brings the total amount of the contract to \$6,972,523.00.

Passed by the Public Utility Board of the City of Rochester, Minnesota, this 26th day of September 2006.

President

Secretary