



Washington State
Department of Transportation

AUG 18 2014

Memorandum

July 31, 2014

TO: *mf* Marco Foster, PE MS 47354 / 360-705-7824

THRU: *MMP* Matthew D. Preedy, PE NB82-230 / 206-805-2863

FROM: *PE* Paul E. Johnson, PE NB82-230 / 206-805-2920

SUBJECT: 007999 – SR99 Bored Tunnel Alternative Design-Build Project
Federal-Aid No. BR-NH-STP-STPF-0099(111)
CO#073 – Harrison St. Util. Lid

Attached for HQ review and execution is Change Order No. 073, "Harrison St. Util. Lid".

DESCRIPTION:

This change order compensates the Design-Builder for all costs associated with PCO#133A-B and the design and construction of duct banks under the north cut and cover lid along the Harrison Street alignment. These duct banks are to accommodate Seattle City Light (SCL) utilities (two 13.8kV duct banks and two 26kV duct banks) and one WSDOT ITS duct bank. SCL will reimburse WSDOT for their portion of the Work by Task Order #WSDOT-SCL-AE.

EVOLUTION OF CHANGE:

The alignment of the tunnel at the North Portal area impacts a 26kV and 13.8kV system at Harrison St., which prior to construction were at grade but now are part of the north cut and cover. The Contract required the Design-Builder to accommodate the existing 26kV and 13.8kV systems that were to be constructed by others (Seattle City Light). Once SCL determined that it would be very difficult to replace the systems after the tunnel was opened, they requested WSDOT have duct banks installed by the Design-Builder as part of north cut and cover construction. This created the need for duct bank design and construction underneath the north cut and cover in the Harrison Street alignment to carry the SCL 26kV, SCL 13.8kV, and WSDOT ITS systems. WSDOT determined it was necessary to add this work to the contract via change order in order to ensure the system was installed prior to the tunnel opening and to ensure the design was integrated in the north cut and cover structural design. The Design-Builder developed the design based on conduit requirements and design information provided by SCL and WSDOT.

PRICING THE CHANGE:

Per Section 11 of the contract, the Design-Builder is entitled to an equitable adjustment for the additional design and construction work performed at WSDOT's request. The Design-Builder advertised the majority of work in a competitive bid process, selecting a DBE subcontractor for \$473,614. The Design-Builder's final proposal of \$696,030.00 includes design costs, DBE subcontract Work, additional Work by the Design-Builder, and all markups.

PRICE:

WSDOT has agreed to compensate the Design-Builder for all Work pursuant to one new lump sum item, "CO #73 Harrison St Util. Lid" in the agreed to amount of \$696,030.00.

TBL

Marco Foster, P.E.
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CONTRACT TIME:

Contract time is not affected by this change.

APPROVALS:

- Brian Nielsen, P.E. - Contract Administrator, approved the change 7/9/2012
- Paul E. Johnson, P.E. - Contract Administrator, approval to proceed 5/15/2014
- Marco Foster, P.E.- HQ Construction, approved the change 5/19/2014
- Anthony Sarhan, P.E. - FHWA Oversight Manager, approved the change 5/21/2014
- Matt Preedy, P.E.- Deputy Program Administrator, approved the change 5/22/2014
- Diana McCreery - WSDOT Business Group, gave funding approval 7/15/2014

ATTACHMENTS TO THE MEMO:

- Change Order No. 073
- TR 2.31 Conformed, For Information Only
- Change Order Checklist
- Change Order Proposal for PCO#133A-B
- Approvals listed above
- SCL Concurrence Email

If you have any questions, please contact Nate Bergeman at 206-805-2825.

akw

cc: File




**WASHINGTON STATE
DEPARTMENT OF TRANSPORTATION
CHANGE ORDER**

DATE: 07/28/14
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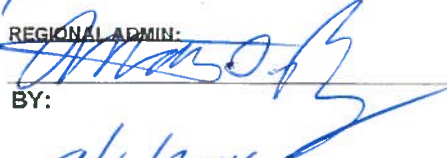
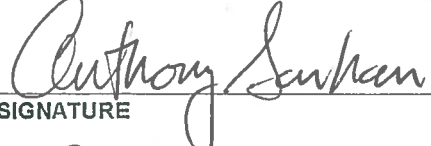
CONTRACT NO: 007999 FEDERAL AID NO: STP-BR-IM-0099 (J)
CONTRACT TITLE: SR 99, BORED TUNNEL ALTERNATIVE - DESIGN BUILD PRO
CHANGE ORDER NO: 73 HARRISON ST UTIL. LID

PRIME CONTRACTOR: SW0080679 SEATTLE TUNNEL PARTNERS
999 THIRD AVE STE 2424
SEATTLE WA 98104-4044

- Ordered by Engineer under the terms of Section 1-04.4 of the Standard Specifications
 Change proposed by Contractor

ENDORSED BY:  CONTRACTOR 7/28/14 DATE	SURETY CONSENT: ATTORNEY IN FACT DATE
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ORIGINAL CONTRACT AMOUNT: 1,089,700,002.00
 CURRENT CONTRACT AMOUNT: 1,102,671,349.14
 ESTIMATED NET CHANGE THIS ORDER: 696,030.00
 ESTIMATED CONTRACT TOTAL AFTER CHANGE: 1,103,367,379.14
 Approval Required: Region Olympia Service Center Local Agency

<input checked="" type="checkbox"/> APPROVAL RECOMMENDED  PROJECT ENGINEER 7/31/14 DATE	<input type="checkbox"/> EXECUTED EXECUTED:  STATE CONSTRUCTION ENGINEER 8/8/14 DATE
<input checked="" type="checkbox"/> APPROVAL RECOMMENDED REGIONAL ADMIN:  BY: 8/6/2014 DATE	OTHER APPROVAL WHEN REQUIRED  SIGNATURE FHWA REPRESENTING 8/8/14 DATE ✓ CAPPS ✓ COLS ✓ CAPP 8/13/14

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CONTRACT NO: 007999

CHANGE ORDER NO: 73

All work, materials, and measurements to be in accordance with the provisions of the Standard Specifications and Special Provisions for the type of construction involved.

This contract is revised as follows:

The first paragraph above is deleted and replaced with:

All work, materials and measurement to be in accordance with the contract Documents for this project. Unless specifically modified herein, all provisions in the Contract Documents shall remain in full force and effect.

DESCRIPTION:

This change order compensates the Design-Builder for all costs associated with PCO#133A-B and the design and construction of duct banks under the north cut and cover lid along the Harrison Street alignment. These duct banks are to accommodate Seattle City Light (SCL) utilities (two 13.8kV duct banks and two 26kV duct banks), and One WSDOT ITS duct bank.

TECHNICAL REQUIREMENTS:

Technical Requirement Section 2.31 is modified as follows:

On page 2.31-1, after line 15, add the following bullet statement:

Utility Hanger ductbank/conduit design and construction underneath the Harrison Street structure to accommodate Seattle City Light (SCL) and WSDOT conduits as described in Appendix M9.

TECHNICAL APPENDICES:

Replace Appendix M9, sheet IF004-North Contract Interface General Section with the attached revised Appendix M9, sheet IF004-North Contract Interface General Section (Page 4 of 4 of this Change Order).

MEASUREMENT:

No specific unit of measurement shall apply to the new lump sum item "CO #73 Harrison St Util. Lid".

PAYMENT:

The new lump sum item "CO #73 Harrison St Util. Lid", in the agreed to amount of \$696,030.00, shall be full and final payment for all costs related to NDC#052 Harrison Street Utility Hangers, PCO#133A-B Harrison Street Hangers, and the Work described above.

CONTRACT TIME:

The Design Builder and WSDOT agree that this Change Order has no impact to Contract Time, and as such, no extension of Contract Time will be granted as a result of this Change Order.

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CONTRACT NO: 007999				CHANGE ORDER NO: 73			
ITEM NO	GROUP NO	STD ITEM	ITEM DESCRIPTION	UNIT MEASURE	UNIT PRICE	EST QTY CHANGE	EST AMT CHANGE

1050 <i>85</i>	01		CO #73 HARRISON ST UTIL. LID	L.S.	696,030.00	1.00	696,030.00
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696,030.00

A B C D E F G H

NORTH
TUNNEL OPERATIONS BUILDING

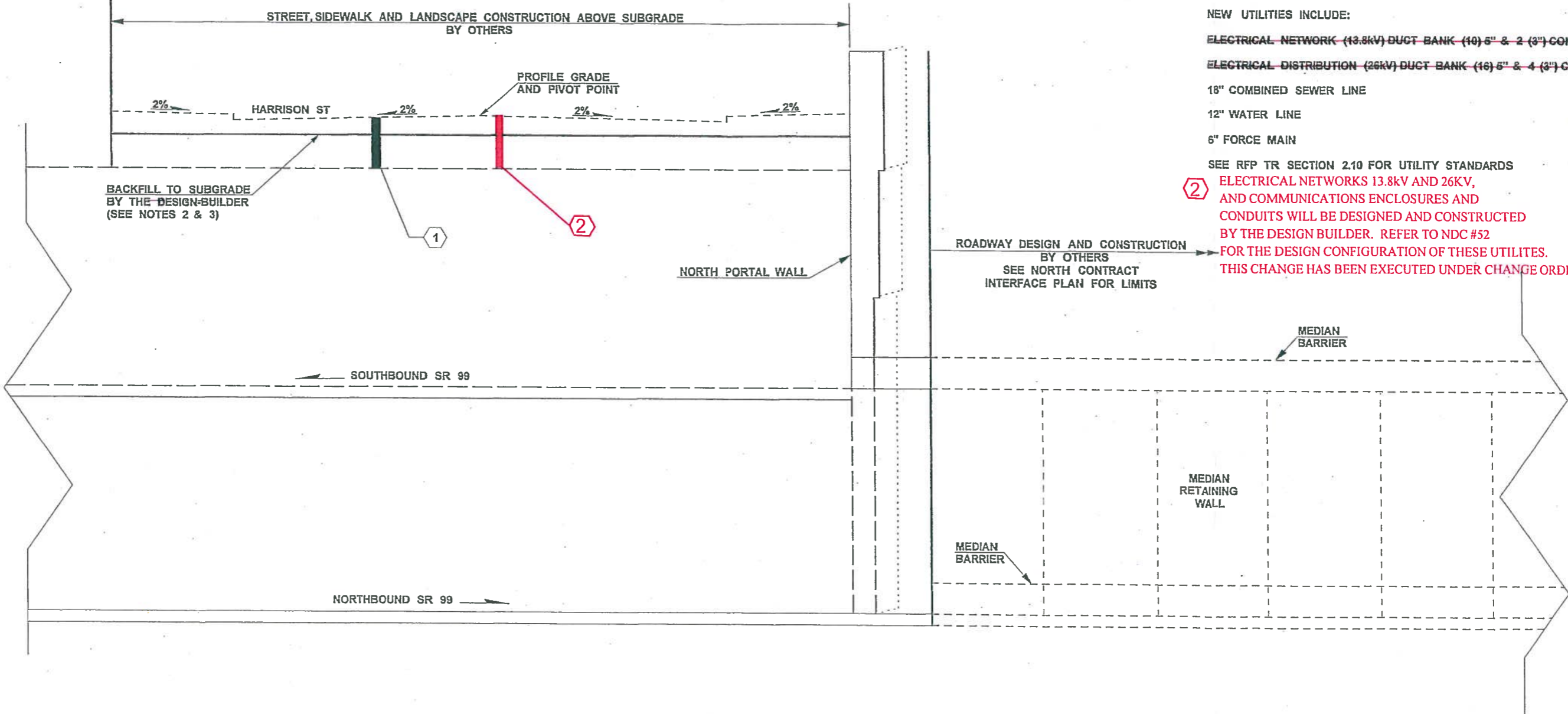
CONTRACT 007999
CHANGE ORDER 073
SHEET 4 OF 4

NOTES:

1. NOT TO SCALE
2. SEE SHEET RS009 OF REFERENCE DOCUMENTS FOR HARRISON ST ROADWAY SECTION
3. SEE SHEET CP024 OF REFERENCE DOCUMENTS FOR HARRISON ST ROADWAY PROFILE

CONSTRUCTION NOTE:

- ① CUT AND COVER STRUCTURE SHALL ACCOMMODATE NEW UTILITY INSTALLATIONS ON HARRISON STREET CONSTRUCTED BY OTHERS.
NEW UTILITIES INCLUDE:
ELECTRICAL NETWORK (13.8KV) DUCT BANK (10) 6" & 2 (3") CONDUITS CO #73
ELECTRICAL DISTRIBUTION (26KV) DUCT BANK (16) 6" & 4 (3") CONDUITS CO #73
18" COMBINED SEWER LINE
12" WATER LINE
6" FORCE MAIN
SEE RFP TR SECTION 2.10 FOR UTILITY STANDARDS
- ② ELECTRICAL NETWORKS 13.8KV AND 26KV, AND COMMUNICATIONS ENCLOSURES AND CONDUITS WILL BE DESIGNED AND CONSTRUCTED BY THE DESIGN BUILDER. REFER TO NDC #52 FOR THE DESIGN CONFIGURATION OF THESE UTILITIES. THIS CHANGE HAS BEEN EXECUTED UNDER CHANGE ORDER NO. 73.



NORTH CONTRACT INTERFACE GENERAL SECTION A
IF003

* CONTRACT DOCUMENT *

FILE NAME	c:\aawork\pwwork\lawv\moatta\dms08980160073T00CLIF004.DLV		
TIME	8:27:58 AM		
DATE	5/19/2010		
PLOTTED BY	moattae		
DESIGNED BY	S. CROSIER		
ENTERED BY	S. CROSIER		
CHECKED BY	K. WILCOX		
PROJ. ENGR.	S. EVERETT		
REGIONAL ADM.	R. PAANANEN		
REVISION	DATE	BY	
REGION NO.	STATE	FED. AID PROJ. NO.	
10	WASH		
JOB NUMBER			
CONTRACT NO.	LOCATION NO.		



CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION



ALASKAN WAY VIADUCT REPLACEMENT PROJECT
SR 99 BORED TUNNEL
APPENDIX M9 - NORTH CONTRACT INTERFACE GENERAL SECTION

IF00
SHEET
OF
SHEET

moattae