



Date: March 7, 2011

TO: J. Carpenter/M. Sheikhzadeh/J. Beaver
HQ Construction Office - Bridge
Mail Stop 47354

THRU: D. Wagner/D. Ficco/D. Medack

FROM: ^{FG} Frank Green, Structures Engineering Manager
Columbia River Crossing Project
(360) 816-8855

SUBJECT: Contract 8078, I-5 Columbia River Bridge Temporary Pile Test Program
CO #001 – Added Boring Locations

Attached for your review and further processing is Change Order No. 1. This change order revises contract plan sheet PLS1 by adding additional preexisting geotechnical boring locations.

During the advertisement period for this contract it was discovered that the most current preexisting boring locations had not been identified on plan sheet PLS1. Addendum No. 1 was issued which only provided the coordinates to the additional boring locations and didn't revise plan sheet PLS1. Plan sheet PLS1 was not revised in Addendum No. 1 as this would have delayed the bid opening date and could have prevented critical contract work from being completed within the in-water work window. Instead it was decided to revise plan sheet PLS1 in this change order.

This is a no cost change order and contract time is not affected.

This change order can be executed by the Project Engineer and approval was provided from Frank Green on January 14, 2011.

FTG/KAD:np
Attachment

cc: M. Degenhart
CRC Document Control
N. Peppers


**WASHINGTON STATE
DEPARTMENT OF TRANSPORTATION
CHANGE ORDER**

DATE: 02/10/11
Page 1 of 3

CONTRACT NO: 008078 FEDERAL AID NO:
CONTRACT TITLE: I-5, COLUMBIA RIVER BRIDGE TEMPORARY PILE TEST PRO
CHANGE ORDER NO: 1 ADDED BORING LOCATIONS


PRIME CONTRACTOR: 910562492 AMERICAN CONSTRUCTION CO., INC.
1501 TAYLOR WAY
TACOMA WA 98421-4100

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

<p>ENDORSED BY:</p>  <p>CONTRACTOR Kevin Culbert, Vice-President</p> <p>February 22, 2011</p> <p>DATE</p>	<p>SURETY CONSENT:</p> <hr/> <p>ATTORNEY IN FACT</p> <hr/> <p>DATE</p>
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ORIGINAL CONTRACT AMOUNT: 811,204.00
CURRENT CONTRACT AMOUNT: 811,204.00
ESTIMATED NET CHANGE THIS ORDER: 0.00
ESTIMATED CONTRACT TOTAL AFTER CHANGE: 811,204.00

Approval Required: Region Olympia Service Center Local Agency

<p><input type="checkbox"/> APPROVAL RECOMMENDED <input checked="" type="checkbox"/> EXECUTED</p>  <p>PROJECT ENGINEER</p> <p>3/7/11</p> <p>DATE</p>	<p>EXECUTED:</p> <hr/> <p>STATE CONSTRUCTION ENGINEER</p> <hr/> <p>DATE</p>
<p><input type="checkbox"/> APPROVAL RECOMMENDED <input type="checkbox"/> EXECUTED</p> <p>REGIONAL ADMIN: D. Wagner</p> <p>BY:</p> <hr/> <p>DATE</p>	<p>OTHER APPROVAL WHEN REQUIRED</p> <hr/> <p>SIGNATURE</p> <hr/> <p>DATE</p> <hr/> <p>REPRESENTING</p>

WASHINGTON STATE
DEPARTMENT OF TRANSPORTATION
CHANGE ORDER

DATE: 02/10/11
Page 2 of 3

CONTRACT NO: 008078

CHANGE ORDER NO: 1

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:

You are ordered to perform the following described work upon receipt of an approved copy of this change order:

DESCRIPTION

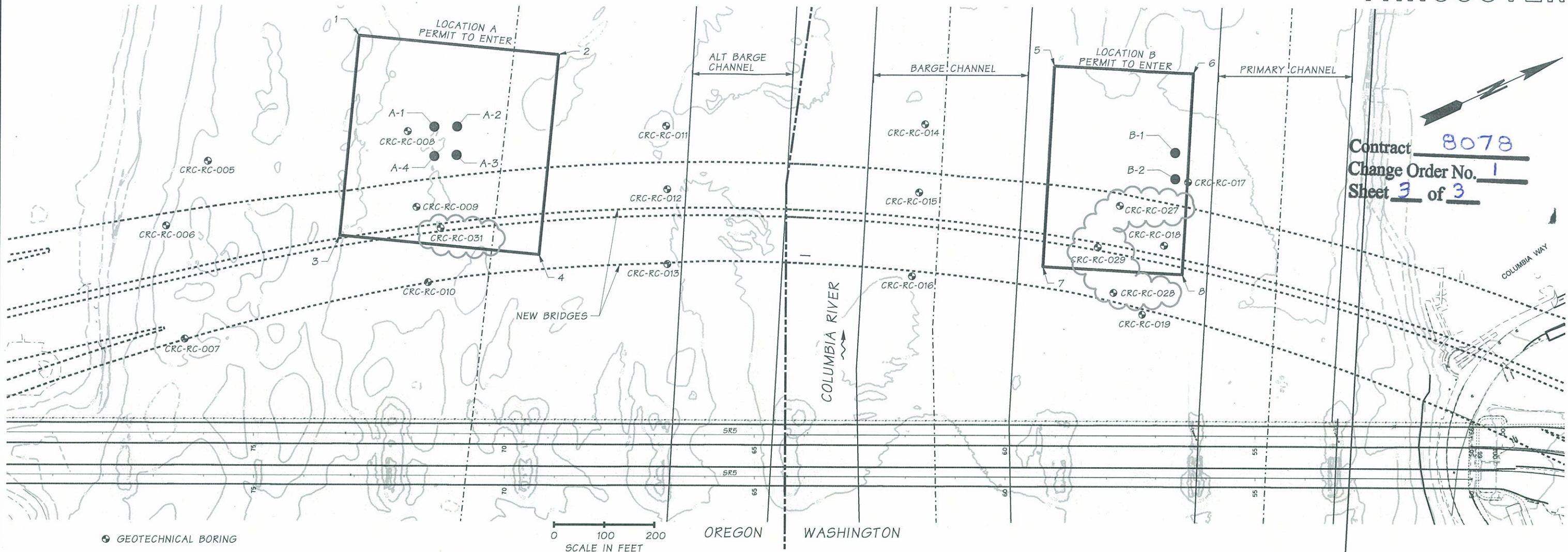
This change order revises contract plan sheet PLS1 by adding additional geotechnical boring locations. Replace contract plan sheet PLS1 with page 3 of this change order.

MEASUREMENT AND PAYMENT

This is a no cost change order.

CONTRACT TIME

Working days are not affected by this change order.



Contract 8078
 Change Order No. 1
 Sheet 3 of 3

⊙ GEOTECHNICAL BORING

PERMIT TO ENTER

	NORTHING / EASTING	LATITUDE/LONGITUDE
1	N=111089 / E=1082735	45°37'00.59" / 122°40'46.24"
2	N=111436 / E=1082933	45°37'04.07" / 122°40'43.59"
3	N=110891 / E=1083083	45°36'58.73" / 122°40'41.27"
4	N=111238 / E=1083281	45°37'02.21" / 122°40'38.62"
5	N=112331 / E=1083361	45°37'13.02" / 122°40'37.92"
6	N=112576 / E=1083488	45°37'15.47" / 122°40'36.23"
7	N=112146 / E=1083716	45°37'11.29" / 122°40'32.86"
8	N=112392 / E=1083843	45°37'13.75" / 122°40'31.17"

- NOTES:
1. ALL MATERIAL AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD, BRIDGES, AND MUNICIPAL CONSTRUCTION - DATED 2010, AMENDMENTS, AND PROJECT SPECIAL PROVISIONS.
 2. DESIGN HAS BEEN IN ACCORDANCE WITH THE REQUIREMENTS OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS FIFTH EDITION - 2010.
 3. HORIZONTAL COORDINATES ARE ON THE WASHINGTON STATE PLANE SOUTH. VERTICAL DATUM IS NAVD88.
 4. ALL PILE DRIVING AND USE OF BUBBLE CURTAINS SHALL BE COORDINATED WITH THE MONITORING PROGRAM.
 5. ALL PILES ARE OPEN ENDED.

STEEL PILE SCHEDULE

PILE NO.	A-1	A-2	A-3	A-4	B-1	B-2
PILE LOCATION	LOCATION A	LOCATION A	LOCATION A	LOCATION A	LOCATION B	LOCATION B
NORTHING	N=111151	N=111193	N=111169	N=111127	N=112479	N=112457
EASTING	E=1082963	E=1082981	E=1083033	E=1083016	E=1083616	E=1083664
LATITUDE	45°37'01.26"	45°37'01.68"	45°37'01.46"	45°37'01.04"	45°37'14.55"	45°37'14.35"
LONGITUDE	122°40'43.06"	122°40'42.83"	122°40'42.09"	122°40'42.30"	122°40'34.39"	122°40'33.71"
DESIGNATION	TEST PILE	TEST PILE	TEST PILE	TEST PILE	TEST PILE	TEST PILE
PILE TYPE	STEEL PIPE	STEEL PIPE	STEEL PIPE	STEEL PIPE	STEEL PIPE	STEEL PIPE
OUTSIDE DIAMETER (IN)	24	24	48	48	24	48
WALL THICKNESS (IN)	1/2	1/2	1	1	1/2	1
MATERIAL	ASTM A252 GRADE 3	ASTM A252 GRADE 3	ASTM A252 GRADE 3	ASTM A252 GRADE 3	ASTM A252 GRADE 3	ASTM A252 GRADE 3
MINIMUM YIELD STRENGTH (KSI)	45	45	45	45	45	45
SEAM TYPE	SPIRAL OR STR/VERT	SPIRAL OR STR/VERT	SPIRAL OR STR/VERT	SPIRAL OR STR/VERT	SPIRAL OR STR/VERT	SPIRAL OR STR/VERT
ULTIMATE BEARING CAPACITY (TONS)	90	90	1000	1000	90	1000
ESTIMATED PILE LENGTH (FT)	81	81	131	131	91	96
MINIMUM PILE TIP ELEVATION (FT)	-60	-60	-110	-110	-70	-75
INSIDE FIT CUTTING SHOE					X	X
PILE LOAD TEST PROGRAM:						
DYNAMIC CAPWAP PILE TEST	X	X	X	X	X	X
DYNAMIC RESTRIKE	X	X	X	X	X	X
VIBRATORY PILE HAMMER	X		X			
SOUND ATTENUATION METHOD:						
UNCONFINED BUBBLE CURTAIN	X		X			
CONFINED BUBBLE CURTAIN		X		X	X	X

FILE NAME	\$\$\$\$\$DESIGNFILENAME\$\$\$\$\$	REGION NO.	10	STATE	WASH	FED.AID PROJ.NO.						I-5 COLUMBIA RIVER BRIDGE TEMPORARY PILE TEST PROGRAM	PLAN REF. NO. PLS1
TIME	\$TIME\$	JOB NUMBER	10X314	CONTRACT NO.	C8078	LOCATION NO.	XL3604						
DATE	\$\$\$\$DATE\$\$\$									Columbia River CROSSING	PILE LOCATION AND SCHEDULE		
PLOTTED BY	\$\$USERNAME\$\$												
DESIGNED BY	M. DEML												
ENTERED BY	J. BURKE												
CHECKED BY	C. WERTS												
PROJ. ENGR.	F. GREEN	C.O. #1 - ADDED BORING LOCATIONS	1/13/11	MD									
REGIONAL ADM.	D. WAGNER	REVISION	DATE	BY									

CHANGE ORDER-CHECKLIST

Cont. #: 8078 Cont. Title: i-5 Columbia River Bridge Temporary Pile Test Program		If yes, State Construction Office Approval Required.
C.O. #: 1 C.O. Title: Added Boring Locations		
I. Executed by the State Construction Office		
1. Cost or credit equal to or exceeding \$500,000.*1	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	X
2. Change in the contract documents beyond the scope, intent or termini of the original contract.*2	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	X
3. Any proposed revision or deletion of work that affects the condition of award requirements.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	X
II. Executed by the Region		
4. Cost or credit greater than \$100,000 but less than \$500,000. *1	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Change in contract time greater than 10 and less than or equal to 30 working days, must be related to changes implemented by change order.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
6. Change in contract time greater than 30 working days.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	X
III. Executed by the Project Engineer		
7. Determination of impacts and/or overhead.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	X
8. Specification change involving Headquarters generated specification. <i>(Includes Region generated specification requiring State Construction Office Approval)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	X
9. Specification change involving Region generated specifications.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
10. Material or product substitution.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	X
11. Structural design change in the roadway section. <i>(Requires State Materials Lab approval)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
12. Determination of changed condition. <i>(Section 1-04.7 of the Standard Specifications)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	X
13. Settlement of a claim. <i>(Section 1-09.11(2) of the Standard Specifications)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	X
14. Repair of damage regarding "acts of God" or "acts of the public enemy or of government authorities". <i>(Section 1-07.13 of the Standard Specification)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	X
15. Structural change to structures. <i>(See BTA authority as shown in the Construction Manual)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	X

Approvals obtained: Project Engineer (Required): Frank Green Date: 1/14/2011
 Region (Required if yes marked): N/A Date: _____
 State Construction Office: N/A Date: _____
 State Materials Lab: N/A Date: _____
 Other (Local Agency, FHWA, Surety, etc.): N/A Date: _____

To be completed by the Project Engineer :

CO Reason(s) (See CCIS "Browse Reasons" or "HQ Construction SharePoint"): PM Plan Error-Mistake
 Change Order Prepared By: Keith Daly Date: 1/24/2011
 Has change been entered as lesson learned? Yes No Has design documentation been updated? Yes No
 Is this project under full FHWA stewardship oversight? *1 Yes No

To be completed by the Region :

Is the change eligible for Federal participation where applicable? Yes No
 Change Order Reviewed by: _____ Date: _____

*1 Change (Cost or Credit) greater than \$200,000 or greater than 30 days on Full Federal Stewardship Oversight projects requires FHWA approval. (see Construction Manual - Chapter 1-2.4C(3), Chapter 1-3.4, and <http://www.wsdot.wa.gov/biz/construction/Stewardship/Stewardship.xls>)
 *2 Per RCW 47.28.050, any change beyond \$7,500 that is beyond the original scope shall go through the competitive bidding process.

This form represents the minimum information required by the State Construction Office. If you wish to supplement this information, you may do so on a separate sheet of paper.

Change Order Submittal

Contract No.: 8078

Change Order No.: 1

OK N/A

Change Order Body

- | | | |
|-------------------------------------|-------------------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Does the change order address construction requirements, materials requirements, measurement, and paymer |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Does the scope of the change stay within the verbal commitment or approval? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Do the proposed changes by the Contractor have acceptable credit or substitutions? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Does the change order address contract time? Stating contract time will be addressed later is not acceptable! |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Are change order items entered with appropriate standard item numbers and groups? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Can the change order be approved/executed by the Area Engineer? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Are the correct approval boxes checked? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Does the change order revise the Condition of Award? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | All required data entered into CCIS, including all applicable change order reason codes? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Is consent of surety required? |

Cover Memo

- | | | |
|-------------------------------------|-------------------------------------|--|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Does the memo describe: |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | the changes made? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | why the change was necessary? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | why there is entitlement/why this is not paid under the Contract? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | if there is a DBE subcontractor involved? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | how the change evolved? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Does the memo address impacts to the critical path and contract time? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Does the memo address verbal approvals? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Was Design approval obtained? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Does the memo address concurrences from Maintenance, Materials Lab, Geologists, BTA, Traffic, etc? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Does the memo address the net cost of the change order? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Does the memo address changes to Condition of Award? |

Change Order Checklist

- | | | |
|-------------------------------------|-------------------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Is the Change Order Checklist attached? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Is the line marked "Change Order is Avoidable" filled in? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Is the "Value Added" noted on the checklist? |

Attachments

- | | | |
|-------------------------------------|-------------------------------------|---|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Is a cost justification attached? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Is contract time justification attached? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Are documented verbal approvals attached? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Are additional supporting documents attached? |

Other

- | | | |
|--------------------------|-------------------------------------|---|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Does this change involve a "Lesson Learned"? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Was the "Lesson Learned" entered into the database? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Is there appropriate funding for this change? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Has Program Management been advised of this change? |



Inspector's Daily Report

	IDR Sheet	of	Sheets
Contract 8078	Day Friday	Date	January 14, 2011

DIARY - Including but not limited to: a report of the day's operations, time log (if applicable), orders given and received, discussions with contractor, and any applicable statements for the monthly estimate.

Frank Green provided verbal approval today to issue Change Order No. 1 which will revise contract plan sheet PLS1 by showing the additional preexisting geotechnical boring locations. The coordinates of the additional boring locations were added in Addendum No. 1. This is a no cost change order and time is not affected.

Kath A. Day