



IDR Sheet 1 of 5 Sheets

Contract C-8078 SR Nos. I-5 Day Thursday Date 02-17-2011

Weather (See Instructions) AM COOL OCST PM COOL PCLD

Prime Contractor A. American Construction Company, INC. Representative / Title Vernon Uy/Superintendent

Subcontractor or Lower Tier Sub	Appr'd	DBE	Representative / Title
B.			
C.			
D.			
E.			

**Work Activity Summary**

Description and Location  
 A. Install pile B-1 in B-1 location. Install confined bubble curtain on pile B-1. Perform structure survey on pile B-1. Perform dynamic pile testing on pile B-1 and 48HR restrrike on pile A-2 in A-2 location. Mobe from site B to site A. Remove pile A-2 in A-2 location.

**Pay Note Made Today?**  
 No - Work not complete. Will complete Paynote on completion or at estimate cutoff.  
 No - LS Item. Work is not completed. Will complete paynote on completion or percentage at estimate cutoff.  
 NOTE: Any "No" below will be explained in Diary.

**Required Backup Samples Taken**  
**Matls Documentation Approved**  
**Matls Source Approved**

**Item, Description, and Location of Work** (NOTE: Any "NO" is to be explained in Diary)

Item No.	Contract Item Description	Location	Y/N	Y/N	Y/N	Y/N
4	Furnishing and Driving Steel Test Pile	B-1	Yes	Yes	No	Yes
5	Install Confined Bubble Curtain System	B-1	Yes	Yes	No	Yes
9	Structure Survey	B-1	No	No	No	Yes
10	Pile Removal and Cleanup	A-2	No	No	No	Yes
11	Dynamic Pile Testing	B-1 & A-2	No	No	No	Yes

**Contractor's Equipment**

Operating Contractor's ID (A-E, see above)						
No.	Equipment - ID No. and Description	Opr	Stdbby	Down	Idle	
	SEE ATTACHED EQUIPMENT LIST & LABOR LIST					

**Contractor's Workforce**

Operating Contractor's ID (A-E, see above)									Number			
	Laborers	Carpenters	Operators	Number / Total Hours					Male	Female	Appr	Trnee
				Teamsters	Ironworkers	Masons	Flaggers	Electricians				
	/	/	/	/	/	/	/	/	/			
	/	/	/	/	/	/	/	/	/			
	/	/	/	/	/	/	/	/	/			
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	/	/	/	/	/	/	/	/	/			

**Traffic Control**

Was Traffic Control Required Today?  Yes  No  
 Was WZTC according to approved TCP?  Yes  No  
 Photos/Videos taken Today?  Yes  No  
 Do all Flaggers and Spotters have current flagging card?  Yes  No

Inspector's On Site Hours  
 From 7:30AM  
 To 2:30PM

Todd Nelson  
 Inspector

Reviewed By



IDR Sheet      2      of      6      Sheets		
Contract	Day	Date
C8078	Thursday	February 17, 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.

7:00AM On site at the Vancouver Boat Landing.

7:30AM On the barge. Mike Zenthoefer(Parametrix) is on the barge to coordinate with the David Evans and Associates, INC.(DEA) acoustic monitors and the staff that is monitoring for sea lions. DEA is placing the noise monitoring equipment 200, 400 and 800 meters upstream and 800 meters downstream. Bert Minor(Robert Miner Dynamic Testing) is on site to perform the dynamic testing on the pile today.

7:45AM I ask Mike if the monitors are in place. He says that they are not. He says that they only have 3 people in position.

7:50AM Pile B-1 24' pile is in position at a depth of 41'. I let Dave Gilchrist(American Construction/Pile-Buck Foreman) know that we have to wait for the monitors and DEA to be ready. The pile is surveyed from shore by Vernon Uy(American Construction/Superintendent) with the crew checking the pile for plumb from the 16' workskiff.

8:25AM Mike tells me that the monitors are all in position and they have had their 30 minutes of monitoring.

8:30AM DEA has their hydrophone in place at 10meters. I let Dave know that they can begin to vibrate in the pile. Begin to vibrate in the pile using King Kong model 400 vibratory hammer.

8:35AM Finish vibrating in the pile at 65'. Vernon calls me and tells me that there is 18' of impact driving. Vernon also tells me that once again the confined bubble curtain will have to be removed for the last 3' of driving so that the sensors do not get wet.

8:50AM The confined bubble curtain is put over the pile. Mark Degenhart(CRC) tells me that today we want to have the top and bottom rings on and 150CFM. The HDPE pipe is leaning up onto the pile since the current in the channel is moving fast. Have to tie a rope to the top of the curtain and run that rope to the DEA boat John B. Preston that is tied off to pile B-2 and hook the rope to their cable and try and pull the curtain back so that it does not rest on the pile. Another rope is tied to the top of the HDPE pipe and is run to the supply barge #805. I let Tim Mustola(American Construction/Deck Hand) know that today when the 75', 80' and 84' marks touch the top of the HDPE pipe that the air is to be turned off for 30 seconds and then turned back on.



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9:00AM The sensors for the dynamic testing are put on the pile.

9:30AM A sea lion is spotted. I let Dave know that we cannot begin pile driving.

9:45AM Mike tells me that it is all clear. I let Dave know that they can begin to pile drive. Begin pile driving using D19-42.

9:55AM Remove the sensors for the dynamic testing.

10:20AM Remove the confined bubble curtain.

10:25AM Reattach the sensors to pile B-1.

10:40AM I check with Mike and it is all clear to pile drive. Continue pile driving.

10:50AM Finished pile driving on B-1 at 82.5'.

10:55AM Remove the sensors off the pile. Install lights on the pile.

11:15AM Sea lion spotted. This does not affect American Construction since they are done at this location for the day. DEA begins resetting their monitoring equipment from site B over to site A with sensors at 200, 400 and 800 meters downstream and 800 meters upstream.

12:30PM A Tidewater tugboat moves barges from site B to site A.

12:50PM Barge spuds in and anchors into position.

12:55PM Sea lion spotted traveling through the work area heading upstream. Mike says that we cannot start until the sea lion has moved past the last spotter upstream. Put sensors on pile A-2 for the 48 hour restrrike. I let Dave know that we cannot start until the sea lion moves past the last spotter.

1:10PM Have the D19-42 pile driver in position on pile A-2 for the 48 hour restrrike.



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1:20PM Mike tells me that the sea lion has passed the last spotter and it is clear to pile drive. I let Dave know that we can start. Begin the 48 hour restrike on pile A-2. 4, 3 4 blows in 3" on the pile for the restrike.

1:30PM A dead fish is spotted floating downstream on the South side of the barges. Mike informs the Nick Lesnikowski(DEA) and Nick has the DEA zodiac go and retrieve the fish and take it to the Vancouver Boat Landing. Remove the sensors off of the pile.

1:40PM Have King Kong model 400 vibratory hammer on pile A-2 ready for removal. I check with Mike and it is all clear to begin vibrating. I let Dave know and American Construction begins to remove the pile.

1:45PM Pile A-2 is removed. Vernon lets me know that they are done for the day. He says that they need to move over to A-1 location and get the vibratory hammer ready for the 48' piles. I let Mike know that we are done for the day. Mike tells me that the fish was about a 30lb sturgeon that had its tail and some of its back eaten.

# C-8078 Columbia River Bridge Temporary Test Pile Program

## AMERICAN CONSTRUCTION COMPANY, INC.

#	CONTRACTOR'S EQUIPMENT	OPR	STDBY	DOWN	IDLE
	Patriot 180 ton floating crane on 70' X 140' X 13.5' barge	8.0	0	0	0.0
805	Flat deck 40' X 197' X 15' barge	8.0	0	0	0.0
	King Kong Model 400 vibratory driver/extractor	1.0	0	0	7.0
	APE Model 150 power unit	1.0	0	0	7.0
	D80-42 single-acting diesel impact hammer	0.0	0	0	8.0
	D19-42 single-acting diesel impact hammer	1.0	0	0	7.0
RP09-072AC	Ingersoll Rand IQ System HP 1600CFM air compressor	0.0	0	0	8.0
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RP09-074AC	Ingersoll Rand IQ System HP 1600CFM air compressor	0.0	0	0	8.0
W10032RC	Ingersoll Rand IQ System HP 1600CFM air compressor	0.0	0	0	8.0
	200 CFM air compressor	0.0	0	0	8.0
	Crewboat "Courage"	1.0	0	0	7.0
	16' workskiff with 25HP outboard motor	1.0	0	0	7.0
	Ford F-150 XLT Triton V8 truck	0.5	0	0	7.5
	Ford F-250 truck	0.5	0	0	7.5

### CONTRACTOR'S WORKFORCE

PILE-BUCK	OPERATOR	SUPERINTENDENT	MALE	FEMALE	APP	TRNEE
3 - 24	3 - 20.5	1 - 8	7	0	0	0

# C-8078 COLUMBIA RIVER BRIDGE TEMPORARY PILE TEST PROGRAM

## AMERICAN CONSTRUCTION COMPANY, INC.

WORKER'S NAME	TITLE	CELL PHONE #	OFFICE PHONE #
Kevin Culbert	Project Manager	425-870-3211	253-254-0118
Vernon Uy	Superintendent	425-870-3217	
Howard Sullivan	Crane Operator		
Ken Johnson	Deck Engineer		
Tim Mastola	Deck Hand/Engineer		
Dave Gilchrist	Pile-Buck Foreman		
Mike Moen	Pile-Buck		
Steve Bauer	Pile Buck		