



Daily Observation Report

Project: <u>Seaport Terminal enhancement</u>	Time: _____ End Time _____	Mileage: _____ End _____
Project No.: <u>557-14</u>	Tolls: <u>.70</u>	_____ Beg. Time _____ Begin _____
Per Diem/Lodging: _____	✓ <u>3.0</u> Total Time	✓ <u>26</u> Total

Observations:

In-Place Densities Done _____	All IPDs meet Specifications	Reported to _____
	Not all IPDs meet Specifications	Reported to _____

Phone Calls:

Thickness Test on Columns (7)

Beams - (8)

Arrived on site and met up with Barret with Turner. We went over what was ready to have thickness tests done. The generator Rm was all set and the 2nd floor from X5 to XH Beams were sprayed and columns from X5 to XH.5. I took two thickness tests on each for columns and Beams in Generator Room and 3 tests each for columns and Beams for 2nd + 3rd floor area. I found no discrepancies on either floor.

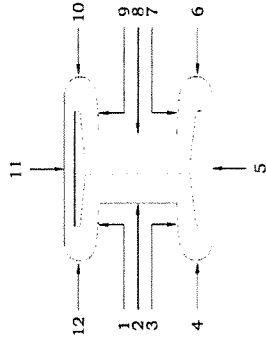
Reviewed By: _____ Signed: Joe. Redwood

<input type="checkbox"/> HNU _____ day	<input type="checkbox"/> Concrete Equipment	Monitoring Well Supplies
<input type="checkbox"/> Survey Level _____ day	<input type="checkbox"/> Nuc Densometer _____ day	_____ Bags of Bentonite _____ Locks
<input type="checkbox"/> Rebar Meter _____ day	<input type="checkbox"/> Coring Machine _____ Dia.	_____ 5 ft. Screen 2" PVC _____ Caps
_____ Bailers (Disposable)	_____ Inches Cored	_____ 10 ft. Screen 2" PVC _____ Points
<input type="checkbox"/> Water Level Ind. _____ day	<input type="checkbox"/> Generator <input type="checkbox"/> Taylor Rental	_____ 5 ft. Riser 2" PVC _____ Screw Caps
<input type="checkbox"/> Drill Rig _____ day	<input type="checkbox"/> Peristaltic Pump (note tubing used)	_____ 10 ft. Riser 2" PVC
<input type="checkbox"/> Backhoe _____ day	<input type="checkbox"/> Other	_____ Other _____

THICKNESS OF SFRM ON COLUMN



Project Name: Portland International Jetport - Term. Enh
 Project Number: 557-14
 Client: City of Portland
 Date: 12/14/10
 Inspector: DMR



Take 12 measurements at each end of 12-in. length

Test #	Location	1	2	3	4*	5	6*	7	8	9	10*	11	12*	Total	Average
1	Level 2, W14x90, Y2-XJ	1 4/16	1 3/16	1 4/16	9/16	1 4/16	10/16	1 4/16	1 3/16	1 4/16	10/16	1 5/16	9/16	9 15/16	1 4/16
		1 4/16	1 4/16	1 4/16	10/16	1 4/16	11/16	1 3/16	1 4/16	1 4/16	10/16	1 6/16	10/16	10 1/16	1 4/16
2	Level 2, W14x90, B3-1Y.8	1 6/16	1 4/16	1 7/16	10/16	1 6/16	9/16	1 5/16	1 7/16	1 3/16	9/16	1 4/16	11/16	10 10/16	1 5/16
		1 6/16	1 5/16	1 6/16	8/16	1 7/16	12/16	1 4/16	1 6/16	1 6/16	1 5/16	11/16	1 4/16	8/16	10 11/16
3	Level 2, W14x176, XH-2A	2	1 14/16	2	9/16	2	12/16	2 1/16	1 14/16	2 2/16	10/16	1 14/16	9/16	15 13/16	2
		2	1 13/16	2 2/16	10/16	2	11/16	1 14/16	2	2 1/16	9/16	1 14/16	10/16	15 12/16	2

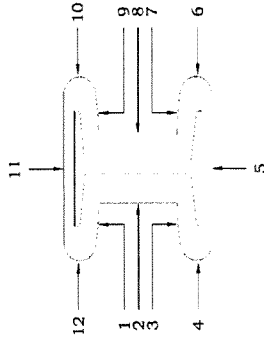
Note: * Average the flange tip measurements separately where reduced thicknesses are applied under W/D formula.

Column:	1	2	3
Average Required	1 3/16	1 3/16	1 14/16
Min Required	15/16	15/16	1 10/16
Max Required	1 7/16	1 7/16	2 2/16
Average Recorded	1 4/16	1 5/16	2
Flange Tip (W/D):			
Average Required	9/16	9/16	9/16
Average Recorded	10/16	10/16	10/16

Comments:
 Thicknesses are in general conformance with specifications.

MTG

THICKNESS OF SFIRM ON COLUMN



Project Name: Portland International Jetport - Term. Enh
 Project Number: 557-14
 Client: City of Portland
 Date: 12/14/10
 Inspector: DMR



Take 12 measurements at each end of 12-in. length

Test #	Location	1	2	3	4*	5	6*	7	8	9	10*	11	12*	Total	Average
4	Level 4, Generator Room, W14x120, Y7.5-XH, 3 Hr rating	1 8/16	1 8/16	1 7/16	12/16	1 11/16	14/16	1 10/16	1 8/16	1 11/16	13/16	1 6/16	12/16	12 3/16	1 8/16
		1 8/16	1 8/16	1 8/16	12/16	1 9/16	12/16	12/16	1 8/16	1 7/16	1 10/16	14/16	1 6/16	12/16	12
5	Level 4, Generator Room, W10x39, Y6.5-XH.5, 3 Hr rating	1 8/16	1 7/16	1 9/16	12/16	1 10/16	14/16	1 9/16	1 7/16	1 8/16	14/16	1 11/16	11/16	12 5/16	1 9/16
		1 10/16	1 9/16	1 8/16	11/16	1 11/16	12/16	1 8/16	1 6/16	1 10/16	1 10/16	1 3/16	1 11/16	12/16	12 9/16
6	Level 2, W14x159, X5-Y7	1 6/16	1 8/16	1 6/16	10/16	1 5/16	11/16	1 8/16	1 6/16	1 8/16	12/16	1 8/16	12/16	11 7/16	1 7/16
		1 6/16	1 8/16	1 7/16	10/16	1 4/16	10/16	1 6/16	1 4/16	1 4/16	1 8/16	10/16	1 4/16	10 15/16	1 6/16
7	Level 2, W10x39, Y4-XH.5	1 8/16	1 10/16	1 10/16	12/16	1 9/16	14/16	1 7/16	1 6/16	1 10/16	12/16	1 8/16	11/16	12 4/16	1 9/16
		1 8/16	1 9/16	1 11/16	11/16	1 8/16	12/16	1 6/16	1 8/16	1 8/16	1 10/16	12/16	1 8/16	12/16	12 4/16

Note: * Average the flange tip measurements separately where reduced thicknesses are applied under W/D formula.

Column:	4	5	6	7
Average Required	1 7/16	1 7/16	1 4/16	1 7/16
Min Required	1 3/16	1 3/16	1	1 3/16
Max Required	1 11/16	1 11/16	1 8/16	1 11/16
Average Recorded	1 8/16	1 9/16	1 6/16	1 9/16

Flange Tip (W/D):	12/16	10/16	12/16	12/16
Average Required	12/16	10/16	12/16	12/16
Average Recorded	13/16	11/16	11/16	12/16

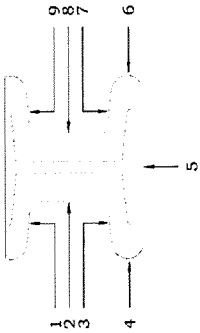
MT

Comments:
 Thicknesses are in general conformance with specifications.



Project Name: Portland International Jetport - Term. Enh.
 Project Number: 557-14
 Client: City of Portland
 Date: 12/14/10
 Inspector: DMR

THICKNESS OF SFRM ON BEAM



FLUTES:
 Plugged?
 Filled?
 Open?

Take 9 measurements at each end of 12-in. length

Test #	1	2	3	4*	5	6*	7	8	9	Total	Average	
8	1	1	15/16	8/16	1 2/16	9/16	1 1/16	14/16	1"	6	2/16	1
	1	1	14/16	8/16	1	8/16	1	15/16	14/16	6	11/16	15/16
	1 4/16	1	14/16	8/16	1	8/16	1 2/16	1	1 2/16	7	6/16	1 1/16
9	1 2/16	1	14/16	9/16	1 2/16	10/16	1 1/16	15/16	1 2/16	7	4/16	1 1/16
	1	14/16	1	8/16	1	9/16	1 2/16	14/16	1	6	14/16	1
10	1	14/16	15/16	7/16	1 1/16	8/16	1	14/16	1 3/16	6	15/16	1
	12/16	12/16	9/16	6/16	10/16	5/16	11/16	12/16	14/16	5		11/16
11	11/16	11/16	10/16	6/16	12/16	6/16	9/16	12/16	12/16	4	13/16	11/16

Note: * Average the flange lip measurements separately where reduced thicknesses are applied under W/D formula.

Beam:	8	9	10	11
Average Required	14/16	15/16	14/16	Average Required
Min Required	11/16	11/16	11/16	Min Required
Max Required	1 2/16	1 3/16	1 2/16	Max Required
Average Recorded	1	1 1/16	1	Average Recorded
Flange Tip (W/D):	7/16	8/16	7/16	Flange Tip (W/D):
Average Required	8/16	8/16	8/16	Average Required
Average Recorded	8/16	9/16	8/16	Average Recorded

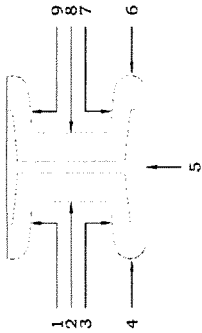
Comments:
 Thicknesses are in general conformance with specifications.

MR



Project Name: Portland International Jetport - Term. Enh.
 Project Number: 557-14
 Client: City of Portland
 Date: 12/14/10
 Inspector: DMR

THICKNESS OF SFRM ON BEAM



FLUTES:
 Plugged?
 Filled?
 Open?

Take 9 measurements at each end of 12-in. length

Test #	Location	1	2	3	4*	5	6*	7	8	9	Total	Average
12	Level 5, Generator Room, W30x99, Y7.5 to Y.8-XH, 1.5 Hr Rating	11/16	11/16	10/16	7/16	12/16	6/16	10/16	12/16	12/16	4 14/16	11/16
		12/16	12/16	10/16	6/16	10/16	6/16	10/16	10/16	10/16	11/16	4 11/16
13	Level 5, Generator Room, W18x35, Y6.5 -XH.5 to XJ, 1.5 Hr Rating	1	14/16	1	8/16	1	8/16	1	14/16	1	6 12/16	15/16
		1	14/16	15/16	8/16	1 2/16	8/16	1 2/16	14/16	1 3/16	7 2/16	1
14	Level 3, W30x124, XH-Y7 to Y7.5, 2 Hr Rating	1	1 1/16	14/16	9/16	1 2/16	7/16	1	1 2/16	14/16	7 1/16	1
		1 1/16	1 2/16	1	7/16	1	9/16	14/16	1 2/16	14/16	7 1/16	1
15	Level 3, W27x101, XJ-Y5 to Y6, 2 Hr Rating	11/16	12/16	10/16	7/16	12/16	6/16	11/16	12/16	12/16	5	11/16
		12/16	11/16	10/16	6/16	12/16	8/16	10/16	10/16	12/16	4 15/16	11/16

Note: * Average the flange tip measurements separately where reduced thicknesses are applied under W/D formula.

Beam:	12	13	14	15
Average Required	14/16	14/16	12/16	10/16
Min Required	11/16	11/16	9/16	8/16
Max Required	1 2/16	1 2/16	1	14/16
Average Recorded	11/16	1	1	11/16
Flange Tip (W/D):	5/16	7/16	6/16	5/16
Average Required	6/16	8/16	8/16	7/16
Average Recorded	6/16	8/16	8/16	7/16

Comments:
 Thicknesses are in general conformance with specifications.

MTG



Daily Observation Report

Project: <u>Seaport Terminal Enhancement</u>		Time: _____ End Time _____	Mileage: _____ End _____
Project No.: <u>557-14</u>	Tolls: <u>70</u> <u>50</u>	_____ Beg. Time _____	_____ Begin _____
Per Diem/Lodging: _____		<input checked="" type="checkbox"/> <u>2-0</u> Total Time	<input checked="" type="checkbox"/> <u>26</u> Total

Observations:

In-Place Densities Done _____ All IPDs meet Specifications Reported to _____
 Not all IPDs meet Specifications Reported to _____

Phone Calls:

Arrived on-site to do Adhesive/epoxy test for Bond strength. I placed 5 tests for columns and 5 for Beams. Will come back in 24 hrs to pull the specimens. Ambient Temperature was about in the 50's.

Reviewed By:

MT

Signed:

John Roberts

<input type="checkbox"/> HNU _____ day	<input type="checkbox"/> Concrete Equipment	Monitoring Well Supplies	
<input type="checkbox"/> Survey Level _____ day	<input type="checkbox"/> Nuc Densometer _____ day	_____ Bags of Bentonite	_____ Locks
<input type="checkbox"/> Rebar Meter _____ day	<input type="checkbox"/> Coring Machine _____ Dia.	_____ 5 ft. Screen 2" PVC	_____ Caps
_____ Bailers (Disposable)	_____ Inches Cored	_____ 10 ft. Screen 2" PVC	_____ Points
<input type="checkbox"/> Water Level Ind. _____ day	<input type="checkbox"/> Generator <input type="checkbox"/> Taylor Rental	_____ 5 ft. Riser 2" PVC	_____ Screw Caps
<input type="checkbox"/> Drill Rig _____ day	<input type="checkbox"/> Peristaltic Pump (note tubing used)	_____ 10 ft. Riser 2" PVC	
<input type="checkbox"/> Backhoe _____ day	<input type="checkbox"/> Other	_____ Other _____	



Daily Observation Report

Project: <u>Seaport Terminal Enhancement</u>		Time: _____ End Time _____	Mileage: _____ End _____
Project No.: <u>557-14</u>	Tolls: <u>60</u>	_____ Beg. Time _____	_____ Begin _____
Per Diem/Lodging: _____		✓ <u>240</u> Total Time	✓ <u>26</u> Total

Observations:

In-Place Densities Done _____ All IPDs meet Specifications Reported to _____

Not all IPDs meet Specifications Reported to _____

Phone Calls:

Arrived on-site to do the pull test for
 Bond strength on the 10 specimens I placed
 on 12-15-10. All tests made the required
 Bond strength of 200 lbs per ft².

Reviewed By: MTG Signed: Dale Rickard

<input type="checkbox"/> HNU _____ day	<input type="checkbox"/> Concrete Equipment	Monitoring Well Supplies	_____ Locks
<input type="checkbox"/> Survey Level _____ day	<input type="checkbox"/> Nuc Densometer _____ day		_____ Bags of Bentonite
<input type="checkbox"/> Rebar Meter _____ day	<input type="checkbox"/> Coring Machine _____ Dia.	_____ 5 ft. Screen 2" PVC	_____ Points
_____ Bailers (Disposable)	_____ Inches Cored	_____ 10 ft. Screen 2" PVC	_____ Screw Caps
<input type="checkbox"/> Water Level Ind. _____ day	<input type="checkbox"/> Generator <input type="checkbox"/> Taylor Rental	_____ 5 ft. Riser 2" PVC	
<input type="checkbox"/> Drill Rig _____ day	<input type="checkbox"/> Peristaltic Pump (note tubing used)	_____ 10 ft. Riser 2" PVC	
<input type="checkbox"/> Backhoe _____ day	<input type="checkbox"/> Other	_____ Other _____	