

Attachment B: Materials and Special Inspection Examples



SPECIAL INSPECTION DAILY REPORT

Project Information		Contract Information	
Date:	12/27/2016	Permit No:	--
Project Name:	Redmond CC Couplet	Contract Duration:	--
Project No:	16-774	Reviewed by:	G. Hayre <i>G. Hayre</i>
DFR No:	2016.12.27SR	Date Reviewed:	12/28/2016
Project Location:	Redmond, WA	Revised Duration:	--
Client :	City of Redmond	Contract Calendar Days Used:	--
Contractor:	Atkinson Construction	Contract Calendar Days Remaining:	--
Work Conditions		Inspection Type (s) / Coverage	
Temperature	45°F	Documents Referenced: Approved plans	
Weather	Overcast	IBC Chapter 17:	
Site Condition	Good	Site Equipment:	
<input type="checkbox"/> Structural Masonry <input type="checkbox"/> Structural Steel/Welding <input type="checkbox"/> Foundation/Soils <input type="checkbox"/> Structural Steel/Welding <input type="checkbox"/> Auger Cast Pile <input type="checkbox"/> Lateral Wood Framing		<input checked="" type="checkbox"/> Reinforced Concrete <input type="checkbox"/> Post-Tensioned Concrete <input type="checkbox"/> Shotcrete <input type="checkbox"/> Post-Tensioned Concrete <input type="checkbox"/> Light Gauge Steel <input type="checkbox"/> Fire-Proofing	

Location and Description of Inspection

Onsite to sample and test concrete placed for the new signal pole base at Leary Way and Redmond Way. Concrete mix ID # WA40003 was provided by Cadman Concrete and was placed via truck chute and the concrete was mechanically consolidated during placement. Sampled, tested, and cast 1 set of 5-4" x 8" compressive strength specimens for laboratory testing. Set 1 info: Ambient temp. - 44°F; Concrete temp. - 62°F; Slump - 6 1/4"; cast 1 Set of 5-4"x8". Concrete was tested per ASTM C31, C143, C172, and C1064. Please see Concrete Compressive strength reports for additional concrete information.



ISI # A146, A163

Items requiring correction

N/A

HMA Inspector Print Name	Shalvin Raju
HMA Representative Signature	<i>Shalvin Raju</i>

ASPHALT OBSERVATIONS REPORT

Terracon

Report Number: M7181112.0004

Service Date: 04/06/18

Report Date: 04/23/18

Asphalt Testing Report

20225 Cedar Valley Rd Ste 110
Lynnwood, WA 98036-6365
425-742-9360

Client

City of Redmond
Attn: Bassam Al-Ali
PO Box 97010
Redmond, WA 98073-9710

Project

City of Redmond Safe Route 134th Ave NE
134th Ave NE & 75th St NE
Redmond, WA

Project No.: M7181112

Permit No.: N/A

Samples: N/A

Weather: Misty

Obtained Soil/Asphalt density gauge for compaction testing from Mayes Testing Engineers Lynnwood. On site to test the final lift of Cadman D309, as instructed by the City of Redmond inspector. Took on test of the top lift of the trench backfill which met the compaction requirement of 95%. Then waited a bit and performed compaction testing on two 3" lifts of Lakeside Industries WSDOT HMA 1/2", both lifts were confirmed as passing prior to proceeding, See attachments for data on compaction.



Figure 1: Soil compaction testing location



Figure 2: Asphalt compaction locations

To the best of our knowledge, all items inspected today are in conformance with approved plans and specifications.

Services: Special Inspections / Materials Testing

Mayes/Terracon Rep.: Andrew Bontrager

Reported to: Interwest Construction

Contractor: Interwest Construction

Report Distribution:

(1) City of Redmond, Bassam Al-Ali

(1) City of Redmond, James Lacourse

(1) City of Redmond, Pat Goldman

(1) Interwest Construction, Matt Tannahill

(1) Mayes Testing Engineers, Inc, Kevin Graham

Reviewed By:

Timothy G. Beckerle, PE

Principal

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently similar or identical materials.


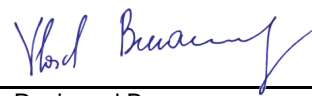
Project No.: M718112 Date: 6-Apr

Project: COR Safe Route 134th

Inspector: A. Bontrager

Reference Standard Used			Density Test Method Used		
AASHTO T209	X	ASTMD2041	WSDOT FOP for AASHTO T355	X	ASTMD2950

Comments: Nuclear Gauge Correction Factor not applied.

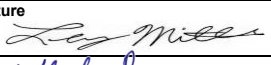
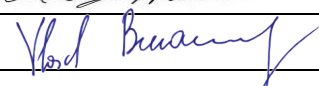
IDR Sheet 1 of 2		Project: City of Redmond, Downtown Park		Date Monday, September 11, 2017	
Weather AM 70°F sunny PM 75°F sunny					
Inspector Leroy Miller WABO #SI01206		IDR Report # 1827 IDR 20170911 LM		Permit # OSG Project # 1827	
Project Info:					
Client:	City of Redmond		Representative/Title		
Contractor:					
Engineer:					
Subcontractor	Fabrication Specialties Limited		Bob Qualheim		
Contractor's Work Activity, Description & Location					
<p>On-site at Standard Steel Fabricating Co. Inc. in Seattle, Wa. for visual, ultrasonic and/or magnetic particle inspection per AWS D1.1-15, AWS D1.8-09, AISC, welding procedures and structural drawings on the following items.</p> <p>Standard Steel Fabricating Co</p> <p>1. Monitored Fit-up and welding of complete joint penetration & partial joint penetration welds including material preparation, pre-heat and welding parameters as required per drawing 118A.</p> <p>a. 118A - three sections - in-progress P53/P48, P54/P46, P51/P49 & P52/P47</p> <p>b. 129A - in-progress P87, P88, P89 & P133</p> <p>c. 130A - in-progress P92, P118, P119 & P120</p> <p>See attached ultrasonic report for specifics of completed welds.</p> <p>Repairs to deficient welds are being made prior to final inspection.</p>					
<p>To the best of my knowledge, all materials incorporated into the work that were inspected while onsite are in compliance with the approved project documents, except as noted.</p>					
		 <hr/> Inspector's Signature		9/11/2017 <hr/> Date	
Inspector's Shift Hours From: 5:30 AM To: 12:00 PM 6.0 hrs.		 <hr/> Reviewed By:		9-19-2017 <hr/> Date	

ULTRASONIC WELD TEST REPORT

PROJECT NAME City of Redmond, Downtown Park	PROJECT NO. 1827	STEEL REPORT NO. 1827 IDR 20170911 LRM
LOCATION Redmond, WA / Steel Fabricating Co.	DATE 09/11/17	PAGE 2 of 2

	PIECE I.D. #118A - partial
	MATERIAL THICKNESS 1.0"
	WELD JOINT AWS CJP
	WELD PROCESS FCAW
	SPECIFICATION AWS D1.1 / AWS D1.8

WELD IDENTIFICATION	INDICATION NO.	CONFORMING	NON-CONFORMING	TRANSDUCER ANGLE	FROM FACE	LEG	DECIBELS				DISCONTINUITY					DISCONTINUITY EVALUATION
							INDICATION LEVEL	REFERENCE LEVEL	INDICATION FACTOR	DEFECT RATING	LENGTH	ANGULAR DISTANCE (SOUND PATH)	DEPTH FROM "A" SURFACE	DISTANCE		
														From X	From Y	
118A		-	-													
P53/P48, 1 welds		X		0/70	A	1-2		56								
P54/P46, 1 welds		X		0/70	A	1-2		56								
P51/P49, 1 welds		X		0/70	A	1-2		56								
P52/P47, 1 welds		X		0/70	A	1-2		56								
129A		-	-													
P87, 2 welds		X		0/70	A	1-2		56								
P88, 2 welds		X		0/70	A	1-2		56								
P89, 2 welds		X		0/70	A	1-2		56								
P133, 2 welds		X		0/70	A	1-2		56								
130A		-	-													
P92, 2 welds		X		0/70	A	1-2		56								
P118, 2 welds		X		0/70	A	1-2		56								
P119, 2 welds		X		0/70	A	1-2		56								
P120, 2 welds		X		0/70	A	1-2		56								
COMMENTS																

Inspector's Signature 	Inspector's Name L. Miller	Level II
Reviewed by 	Title Project Manager	Date 9-19-2017

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