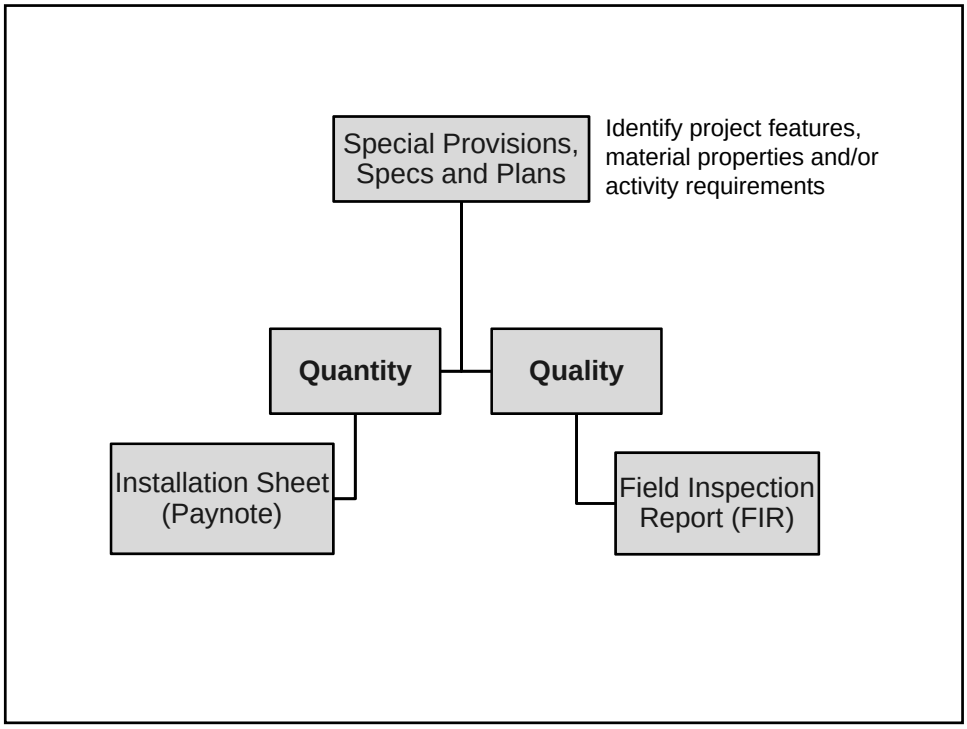
Unit 14

Quality and Quantity Documentation

Unit 14 Topics:

- Overview of Quality Documents
- Overview of Quantity Documents
- Quality and Quantity sheet
- Field Inspection Reports (FIR)
- Installation Sheets (Paynotes)
- Weigh Memos



Overview of Materials Quality Resources

Field Tested **Materials** (Brown Book)	**Testing requirements for materials sampled in the field** • Aggregate • ACP • Concrete
Non-Field Tested **Materials** Acceptance Guide	**Quality documentation required for materials not tested in the field** • Geotextiles • Pipes • Steel reinforcement
Qualified Products List	**Off the shelf products that have been reviewed for use on highway projects** • Barricades • Erosion control matting • Striping materials

ODOT MATERIALS & INSPECTION

Quantity and Quality Guideline or "Q&Q" Checklist

- Provides project specific detail
  - Quantity measurement accuracy
  - Quality requirements and frequency of tests
- Helpful for inspectors and contractors
- Guide does not supersede the specifications
- Used by Contract Administration Specialists and inspectors.

CONTRACT - C14646

OR99E: CLACKAMAS RIVER BRIDGE - DUNES DR

AMD - APPROVED MIX DESIGN
JMF - JOB MIX FORMULA
AS - APPROVED SOURCE

NTR - NO TESTS/CERTS REQUIRED
O = CMO - CERTIFICATE OF MATL ORIGIN
L - MATL. LAB REPORT
E - EQUIPMENT LIST
Q - QUALITY COMPLIANCE
F - FIELD INSPECTION RPT
T - TEST RESULT CERT.
W - WARRANTY
CERT CS - CONTROL SAMPLE
QPL - QUALIFIED/APPROVED PRODUCTS LIST
ALTN - AT LEAST THE NEAREST

BI	ITEM NAME	UNIT	QTY	SPEC	QUALITY	QUANTITY
	MOBILIZATION AND TRAFFIC CONTROL					
1	TRAINING	HR	660.00	FED	*APP'D PROGRAM & TRAINEE*	NEAREST 0.5 HOUR, VERIFIED ON MO. PROGRESS RECORD (FORM 731-0332) MAY NOT PAY IN EXCESS OF 150% OF TRAINING GOAL. ITEM SUBJECT TO DISINCENTIVE IF TRAINING GOAL IS NOT ACHIEVED.
2	MOBILIZATION	LS	100.00	210	*NTR*	50% AT 5% COMPLETE, 100% @ 10%.
3	TEMP PROT & DIR OF TRAFFIC	LS	100.00	225	*NTR*	PAY PER SCHEDULE
4	TEMP SIGNS	SF	515.00	225	*NTR*	ALTN 0.1 SF UPON DELIVERY TO PROJECT, LIMITED TO THOSE ON TCP.
5	TEMP BARRICADES, TYPE II	EA	6.00	225	*QPL*	EACH
6	TEMP BARRICADES, TYPE III	EA	12.00	225	*QPL*	EACH
7	PEDESTRIAN CHANNELIZING DEVICES	FT	50.00	225	*QPL (OR COND'L USE LIST)*	NEAREST FOOT
8	TEMP PLASTIC DRUMS	EA	48.00	225	*QPL*	EACH
9	TEMP REMOVABLE TAPE	FT	1590.00	225	*QPL*	NEAREST FOOT, BASED ON 4" WIDTH, NEED JUSTIFICATION FOR OVERRUN
10	TEMPORARY PAVEMENT LEGENDS	EA	6.00	225	*NTR*	EACH
11	TEMPORARY PAVEMENT BARS	SF	926.00	225	*NTR*	NEAREST SF FOR EACH BAR, NEED JUSTIFICATION FOR OVERRUN
12	SEQUENTIAL ARROW SIGNS	EA	2.00	225	*QPL*	EACH
13	PORTABLE CHANGEABLE MESSAGE SIGNS	EA	2.00	225	*QPL*	EACH
14	FLAGGERS	HR	480.00	225	*NTR*	ALTN 0.5 HOUR, NEED JUSTIFICATION FOR OVERRUN.

Field Inspection Report (FIR)

Project ID

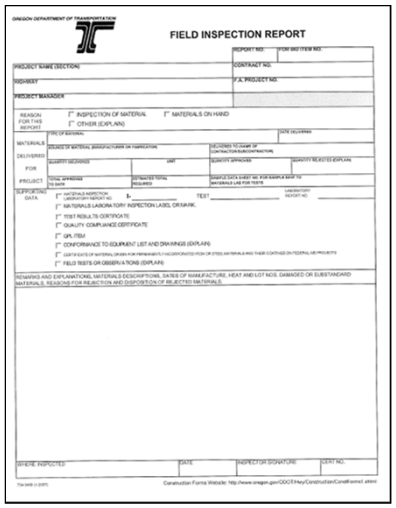
Material and Manufacturer ID

Quantity

Notes supporting data

Lists basis of acceptance

Inspector's signature and date


OREGON DEPARTMENT OF TRANSPORTATION

FIELD INSPECTION REPORT

REPORT NO. | FOR BID ITEM NO.

PROJECT NAME (SECTION) | CONTRACT NO.

HIGHWAY | F.A. PROJECT NO.

PROJECT MANAGER

REASON FOR THIS REPORT: ☐ INSPECTION OF MATERIAL ☐ MATERIALS ON HAND ☐ OTHER (EXPLAIN)

MATERIALS DELIVERED FOR PROJECT: TYPE OF MATERIAL | DATE DELIVERED | SOURCE OF MATERIAL (MANUFACTURER OR FABRICATION) | DELIVERED TO (NAME OF CONTRACTOR/SUBCONTRACTOR) | QUANTITY DELIVERED | UNIT | QUANTITY APPROVED | QUANTITY REJECTED (EXPLAIN) | TOTAL APPROVED TO DATE | ESTIMATED TOTAL REQUIRED | SAMPLE DATA SHEET NO. FOR SAMPLE SENT TO MATERIALS LAB FOR TESTS

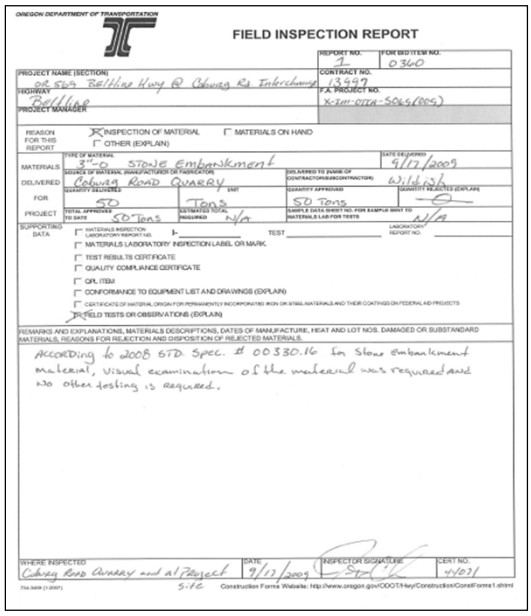
SUPPORTING DATA: ☐ MATERIALS INSPECTION LABORATORY REPORT NO. ☐ MATERIALS LABORATORY INSPECTION LABEL OR MARK ☐ TEST RESULTS CERTIFICATE ☐ QUALITY COMPLIANCE CERTIFICATE ☐ QPL ITEM ☐ CONFORMANCE TO EQUIPMENT LIST AND DRAWINGS (EXPLAIN) ☐ CERTIFICATE OF MATERIAL ORIGIN FOR PERMANENTLY INCORPORATED IRON OR STEEL MATERIALS AND THEIR COATINGS ON FEDERAL AID PROJECTS ☐ FIELD TESTS OR OBSERVATIONS (EXPLAIN) TEST ____ LABORATORY REPORT NO. ____

REMARKS AND EXPLANATIONS, MATERIALS DESCRIPTIONS, DATES OF MANUFACTURE, HEAT AND LOT NOS. DAMAGED OR SUBSTANDARD MATERIALS, REASONS FOR REJECTION AND DISPOSITION OF REJECTED MATERIALS.

WHERE INSPECTED | DATE | INSPECTOR SIGNATURE | CERT NO.

Construction Forms Website: http://www.oregon.gov/ODOT/Hwy/Construction/ConstForms1.shtml

Field Inspection Report Example


OREGON DEPARTMENT OF TRANSPORTATION

FIELD INSPECTION REPORT

REPORT NO. 1 | FOR BID ITEM NO. 0360

PROJECT NAME (SECTION): OR 569 Beltline Hwy @ Coburg Rd Interchange | CONTRACT NO. 13999

HIGHWAY: Beltline | F.A. PROJECT NO. X-311-0TA-5065(005)

PROJECT MANAGER

REASON FOR THIS REPORT: ☒ INSPECTION OF MATERIAL ☐ MATERIALS ON HAND ☐ OTHER (EXPLAIN)

MATERIALS DELIVERED FOR PROJECT: TYPE OF MATERIAL: 3"-0 Stone Embankment | DATE DELIVERED: 9/17/2009 | SOURCE OF MATERIAL (MANUFACTURER OR FABRICATION): Coburg Road Quarry | DELIVERED TO (NAME OF CONTRACTOR/SUBCONTRACTOR): Wildish | QUANTITY DELIVERED: 50 | UNIT: Tons | QUANTITY APPROVED: 50 Tons | QUANTITY REJECTED (EXPLAIN): — | TOTAL APPROVED TO DATE: 50 Tons | ESTIMATED TOTAL REQUIRED: N/A | SAMPLE DATA SHEET NO. FOR SAMPLE SENT TO MATERIALS LAB FOR TESTS: N/A

SUPPORTING DATA: ☐ MATERIALS INSPECTION LABORATORY REPORT NO. ☐ MATERIALS LABORATORY INSPECTION LABEL OR MARK ☐ TEST RESULTS CERTIFICATE ☐ QUALITY COMPLIANCE CERTIFICATE ☐ QPL ITEM ☐ CONFORMANCE TO EQUIPMENT LIST AND DRAWINGS (EXPLAIN) ☐ CERTIFICATE OF MATERIAL ORIGIN FOR PERMANENTLY INCORPORATED IRON OR STEEL MATERIALS AND THEIR COATINGS ON FEDERAL AID PROJECTS ☒ FIELD TESTS OR OBSERVATIONS (EXPLAIN) TEST ____ LABORATORY REPORT NO. ____

REMARKS AND EXPLANATIONS, MATERIALS DESCRIPTIONS, DATES OF MANUFACTURE, HEAT AND LOT NOS. DAMAGED OR SUBSTANDARD MATERIALS, REASONS FOR REJECTION AND DISPOSITION OF REJECTED MATERIALS.

According to 2008 STD. Spec. # 00330.16 for Stone Embankment material, visual examination of the material was required and no other testing is required.

WHERE INSPECTED: Coburg Road Quarry and at Project Site | DATE: 9/17/2009 | INSPECTOR SIGNATURE: [signature] | CERT NO. 41071

Construction Forms Website: http://www.oregon.gov/ODOT/Hwy/Construction/ConstForms1.shtml

OREGON DEPARTMENT OF TRANSPORTATION

FIELD INSPECTION REPORT

REPORT NO. 1	FOR BID ITEM NO. 4001c
PROJECT NAME (SECTION) I-5 @ Coburg Intchg	CONTRACT NO. C14476
HIGHWAY Pac Hwy	F.A. PROJECT NO.
PROJECT MANAGER C. Lemos	

REASON FOR THIS REPORT: ☐ INSPECTION OF MATERIAL ☐ MATERIALS ON HAND ☐ OTHER (EXPLAIN)

MATERIALS DELIVERED FOR PROJECT

TYPE OF MATERIAL			DATE DELIVERED
18 inch Subgrade Stabilization			
SOURCE OF MATERIAL (MANUFACTURER OR FABRICATOR) Wildish S&G		DELIVERED TO (NAME OF CONTRACTOR/SUBCONTRACTOR) Wildish	
QUANTITY DELIVERED All	UNIT SQYD	QUANTITY APPROVED All	QUANTITY REJECTED (EXPLAIN) None
TOTAL APPROVED TO DATE	ESTIMATED TOTAL REQUIRED	SAMPLE DATA SHEET NO. FOR SAMPLE SENT TO MATERIALS LAB FOR TESTS	

SUPPORTING DATA

- ☐ MATERIALS INSPECTION LABORATORY REPORT NO. I- _____ TEST _____ LABORATORY REPORT NO. _____
- ☐ MATERIALS LABORATORY INSPECTION LABEL OR MARK.
- ☐ TEST RESULTS CERTIFICATE
- ☐ QUALITY COMPLIANCE CERTIFICATE
- ☐ QPL ITEM
- ☐ CONFORMANCE TO EQUIPMENT LIST AND DRAWINGS (EXPLAIN)
- ☐ CERTIFICATE OF MATERIAL ORIGIN FOR PERMANENTLY INCORPORATED IRON OR STEEL MATERIALS AND THEIR COATINGS ON FEDERAL AID PROJECTS
- ☐ FIELD TESTS OR OBSERVATIONS (EXPLAIN)

REMARKS AND EXPLANATIONS, MATERIALS DESCRIPTIONS, DATES OF MANUFACTURE, HEAT AND LOT NOS. DAMAGED OR SUBSTANDARD MATERIALS, REASONS FOR REJECTION AND DISPOSITION OF REJECTED MATERIALS.

18 inch Subgrade Stabilization was compacted until there was no reaction or yielding under the compactor (Sec 00331.42) on the entire "C" alignment, lt and rt. Project Manager (Inspector) provided visual observation of the compaction per the Field Tested Materials Acceptance Guide (MFTP).

14-9

WHERE INSPECTED	DATE	INSPECTOR SIGNATURE	CERT NO.
JOBSITE	9/5/12	David Burl	40135

Field Inspection Sticker (FIS)

All of the same information as the Field Inspection Report but on a sticker for use with QPL Approved Items and manufacturer's test results.

Oregon Department of Transportation

FIELD INSPECTION

	CONTRACT NO.	REPORT NO. FOR BID ITEM NO
MANUAFACTURER OR FABRICATOR		BID ITEM NAME
QUANTITY DELIVERED	QUANTITY ACCEPTED	QUANTITY REJECTED EXPLAIN
VERIFIED ON MATERIALS	☐ HEAT, LOT OR BATCH NO. ☐ AASHTO / ASTM SPEC. NO. ☐ ODOT LAB LABEL OR MARK ☐ OTHER (EXPLAIN)	
SUPPORT DATA	☐ TEST RESULT CERTIFICATE ☐ QUALITY COMPL. CERTIFICATE ☐ EQUIP. LIST & DRAWINGS ☐ OTHER (EXPLAIN)	
INSPECTED BY	DATE	CERT NO.
REMARKS		
734-2207 (3-05)		

ODOT MATERIALS & INSPECTION

Quality Compliance Document

Example: Using the QPL and a FIR "sticker"

ODOT CONSTRUCTION/MATERIALS SECTION
QUALIFIED PRODUCTS LIST
APPROVED LIST - NO SAMPLES OR TESTS REQUIRED*
QUALIFIED LIST - ADDITIONAL REQUIREMENTS**
JULY 2012

PAGE 159

STANDARD SPEC NO.	CATEGORY	PRODUCT NAME	LOCAL REPRESENTATIVE AND/OR MANUFACTURER	EFFECTIVE DATE	PRODUCT NUMBER	LIST	REMARKS
02410.60	POLY WT PIPE - CULVERT CORRUGATED HDPE WT = WATER-TIGHT	18" PACIFIC CORRUGATED HD-B&S	PACIFIC CORRUGATED PLASTIC	09/13/07	3507	A	DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. SOMETIMES CALLED STORM-TITE.
02410.60	POLY WT PIPE - CULVERT CORRUGATED HDPE WT = WATER-TIGHT			/07	3509	A	DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. SOMETIMES CALLED STORM-TITE.
02410.60	POLY WT PIPE - CULVERT CORRUGATED HDPE WT = WATER-TIGHT			/07	3511	A	DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. SOMETIMES CALLED STORM-TITE.
02410.60	POLY WT PIPE - CULVERT CORRUGATED HDPE WT = WATER-TIGHT			/08	3624	A	DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR.
02410.60	POLY WT PIPE - CULVERT CORRUGATED HDPE WT = WATER-TIGHT			/09	3955	A	DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR.
02410.60	POLY WT PIPE - CULVERT CORRUGATED HDPE WT = WATER-TIGHT			/09	3957	A	DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR.
02410.60	POLY WT PIPE - CULVERT CORRUGATED HDPE WT = WATER-TIGHT	ADS N-12 WTIB WAS ADS PRO-LINK ULTRA WT IB	ADVANCED DRAINAGE SYSTEMS, INC KELLY KOKESH 425/457-1187 SCOTT GORDANIER 360/798-3731 800/733-8523	04/09/09	2482	A	DOUBLE WALL, CORRUGATIONS. 12" TO 60" DIAMETERS. HAS REINFORCED BELL.
02410.60	POLY WT PIPE - CULVERT CORRUGATED HDPE WT = WATER-TIGHT	EAGLE CORR PE (DUAL WALL) 12" - 60"	JM EAGLE 310/693-8200 EXT 7958	06/10/10	4136	A	APPROVED FOR WATER-TIGHT APPLICATIONS. 12" TO 60"
02410.60	POLY WT PIPE - CULVERT CORRUGATED HDPE WT = WATER-TIGHT	HANCOR BLUESEAL WAS SURE-LOK WT	HANCOR, 888/367-7473 KELLY KOKESH 425/457-1187	10/14/10	1891	A	LOOK FOR BLUE WRAP ON SEAL FOR WATERTIGHT VERSION. DIAMETERS: 4" TO 60".

FIELD INSPECTION

	CONTRACT NO. C 14476	REPORT NO. 1 FOR BID ITEM NO. 0380
MANUFACTURER OR FABRICATOR A.O.S. INC		BID ITEM NAME 36 INCH COLV.
QUANTITY DELIVERED 200 L.F.	QUANTITY ACCEPTED 200 L.F.	QUANTITY REJECTED (EXPLAIN) Ø
VERIFIED ON MATERIALS	☐ HEAT, LOT OR BATCH NO. ☐ AASHTO/ASTM SPEC. NO. ☐ ODOT LAB LABEL OR MARK ☑ OTHER (EXPLAIN)	
SUPPORT DATA	☐ TEST RESULT CERTIFICATE ☐ QUALITY COMPL. CERTIFICATE ☑ QPL ☐ CMO ☐ EQUIPMENT LIST & DRAWINGS ☐ OTHER (EXPLAIN)	
INSPECTED BY [signature]	DATE 11-30-12	CERT. NO. 40135
REMARKS QPL "A"		
734-2207 (5/07)		Stk #203263

12/13/12

ODOT CONSTRUCTION/MATERIALS SECTION
QUALIFIED PRODUCTS LIST
APPROVED LIST - NO SAMPLES OR TESTS REQUIRED*
QUALIFIED LIST - ADDITIONAL REQUIREMENTS**
JULY 2012

STANDARD SPEC NO.	CATEGORY	PRODUCT NAME	LOCAL REPRESENTATIVE AND/OR MANUFACTURER	EFFECTIVE DATE	PRODUCT NUMBER	LIST	REMARKS
02410.60	POLY WT PIPE - CULVERT CORRUGATED HDPE WT = WATER-TIGHT	18" PACIFIC CORRUGATED HD-B&S	PACIFIC CORRUGATED PLASTIC	09/13/07	3507	A	DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. SOMETIMES CALLED STORM-TITE.
02410.60	POLY WT PIPE - CULVERT CORRUGATED HDPE WT = WATER-TIGHT			/07	3509	A	DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR. SOMETIMES CALLED STORM-TITE.
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02410.60	POLY WT PIPE - CULVERT CORRUGATED HDPE WT = WATER-TIGHT			/09	3957	A	DOUBLE WALL WITH CORRUGATED EXTERIOR AND SMOOTH INTERIOR.
02410.60	POLY WT PIPE - CULVERT CORRUGATED HDPE WT = WATER-TIGHT	ADS N-12 WTIB WAS ADS PRO-LINK ULTRA WT IB	ADVANCED DRAINAGE SYSTEMS, INC KELLY KOKESH 425/457-1187 SCOTT GORDANIER 360/798-3731 800/733-8523	04/09/09	2482	A	DOUBLE WALL, CORRUGATIONS. 12" TO 60" DIAMETERS. HAS REINFORCED BELL.
02410.60	POLY WT PIPE - CULVERT CORRUGATED HDPE WT = WATER-TIGHT	EAGLE CORR PE (DUAL WALL) 12" - 60"	JM EAGLE 310/693-8200 EXT 7958	06/10/10	4136	A	APPROVED FOR WATER-TIGHT APPLICATIONS. 12" TO 60"
02410.60	POLY WT PIPE - CULVERT CORRUGATED HDPE WT = WATER-TIGHT	HANCOR BLUESEAL WAS SURE-LOK WT	HANCOR, 888/367-7473 KELLY KOKESH 425/457-1187	10/14/10	1891	A	LOOK FOR BLUE WRAP ON SEAL FOR WATERTIGHT VERSION. DIAMETERS: 4" TO 60".

FIELD INSPECTION

Oregon Department of Transportation

CONTRACT NO. C 14476
REPORT NO. 1
FOR BID ITEM NO. 0380

MANUFACTURER OR FABRICATOR: A.D.S. INC
BID ITEM NAME: 36 INCH CULV.

QUANTITY DELIVERED: 200 L.F.
QUANTITY ACCEPTED: 200 L.F.
QUANTITY REJECTED (EXPLAIN): 0

VERIFIED ON MATERIALS
☐ HEAT, LOT, OR BATCH NO. ☐ AASHTO/ASTM SPEC. NO. ☐ ODOT LAB LABEL OR MARK ☑ OTHER (EXPLAIN)

SUPPORT DATA
☐ TEST RESULT CERTIFICATE ☐ QUALITY COMPL. CERTIFICATE ☑ QPL ☐ CMO ☐ EQUIPMENT LIST & DRAWINGS ☐ OTHER (EXPLAIN)

INSPECTED BY: David Burl
DATE: 11-30-12
CERT. NO. 40135

REMARKS: QPL "A"

734-2207 (5/07) Stk #203263

*LIST 'A' = APPROVED. MAY BE USED WITHOUT SAMPLES, TESTING, OR QUALITY COMPLIANCE CERTIFICATIONS. MAY NEED A FIELD INSPECTION REPORT.
**LIST 'Q' = QUALIFIED. USE WITH SAMPLING, TESTING, &/OR QUALITY COMPLIANCE CERTS AS NEEDED. NEEDS A FIELD INSPECTION REPORT. CHECK SPECS & NFTMAG.
LIST PUBLISHED BY: ODOT MATERIALS LAB; 800 AIRPORT RD SE; SALEM, OR 97301-4798; (503) 986-3059. PLEASE REPORT ANY PROBLEMS USING THESE PRODUCTS.

14-13

12/13/12

Quality Compliance Certificate

00165.35(b) – Quality Compliance Certificate
The Certificate from the Manufacturer shall:

- Verify the Material meets the Specifications, and identify by number the specified test methods used, (ODOT, AASHTO, ASTM, UL, or other)
- Permit positive determination that the Material delivered to the project is the same Material covered by the certificate
- Be delivered to the Engineer with the shipment of the Material, or be an identification plate or mark, decal, sticker, label, or tag attached to the container or Material

ODOT MATERIALS & INSPECTION

Good Quality Compliance Certificate

valmont
WEST COAST ENGINEERING
STRUCTURES

Date: 12/5/12

Lantz Electric

Certification: Lighting standards
I-5 at Coburg
Valmont / West Coast Engineering, Inc. Order No.: 188522-5-1 / 62050

The attached material fabricator's statement covers the material furnished for the subject Order/Project. The galvanizing was done in accordance with ASTM A123. This material does conform to the Buy America requirements of the Surface Transportation Assistance Act of 1982. (S.T.A.A.).

2008 ODOT Standard Specification Section 00165.35(b)* and the materials for the poles and arms conform to the requirements of the 2008 ODOT Standard Specification Section 00962.10
Provided steel sheet for poles and arms meet the requirement of ASTM A 595, Grade A or B, ASTM A 572, or approved equal.

"Steel pole materials meet the requirements of supplementary requirement 518 of ASTM A 6." As shown in section 00962.10 of Standard Specs & on Standard drawings TM629.

I certify that the reports are a true and correct copy as contained in the records of the company.

Sincerely,

VALMONT INDUSTRIES, INC.

Ronald Brown
Production manager
Structures Division

Cc:

FIELD INSPECTION

Oregon Department of Transportation

CONTRACT NO.	REPORT NO.	FOR BID ITEM NO.
C 14476	2	92,93,94

MANUFACTURER OR FABRICATOR: VALMONT
FIX BASE, SLIP BASE & ARMS

QUANTITY DELIVERED	QUANTITY ACCEPTED	QUANTITY REJECTED (EXPLAIN)
ALL	ALL	0

VERIFIED ON MATERIALS: ☑ HEAT, LOT, OR BATCH NO. ☑ AASHTO/ASTM SPEC. NO. ☐ ODOT LAB LABEL OR MARK ☐ OTHER (EXPLAIN)

SUPPORT DATA: ☐ TEST RESULT CERTIFICATE ☑ QUALITY COMPL. CERTIFICATE ☐ GPL ☑ CMO ☐ EQUIPMENT LIST & DRAWINGS ☐ OTHER (EXPLAIN)

INSPECTED BY	DATE	CERT. NO.
[signature]	5/10/13	40135

REMARKS

734-2207 (5/07) SS: #203263

Engineered Support Structures Division, Valmont Industries, Inc.
6823 Northgate Way Ferndale, WA 98248 USA
360-366-3400 www.valmontstructures.com

XREF TO BI 92,93,94 CRL

7/3/13

valmont

WEST COAST ENGINEERING

STRUCTURES

Date: 12/5/12

Lantz Electric

Certification: Lighting standards
I-5 at Coburg
Valmont / West Coast Engineering, Inc. Order No.: 188522-5-1 / 62050

The attached material fabricator's statement covers the material furnished for the subject Order/Project. The galvanizing was done in accordance with ASTM A123. This material does conform to the Buy America requirements of the Surface Transportation Assistance Act of 1982. (S.T.A.A.).

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Provided steel sheet for poles and arms meet the requirement of ASTM A 595, Grade A or B, ASTM A 572, or approved equal.

"Steel pole materials meet the requirements of supplementary requirement 518 of ASTM A 6." As shown in section 00962.10 of Standard Specs & on Standard drawings TM629.

I certify that the reports are a true and correct copy as contained in the records of the company.

Sincerely,

VALMONT INDUSTRIES, INC.

Ron Brown

Ronald Brown
Production manager
Structures Division

Cc:

FIELD INSPECTION

Oregon Department of Transportation

CONTRACT NO.	REPORT NO.	FOR BID ITEM NO.
C 14476	2	92, 93, 94

MANUFACTURER OR FABRICATOR	BID ITEM NAME
VALMONT	PAX BASE, SLIP BASE & ARMS

QUANTITY DELIVERED	QUANTITY ACCEPTED	QUANTITY REJECTED (EXPLAIN)
ALL	ALL	0

VERIFIED ON MATERIALS
☑ HEAT, LOT, OR BATCH NO. ☑ AASHTO/ASTM SPEC. NO. ☐ ODOT LAB LABEL OR MARK ☐ OTHER (EXPLAIN)

SUPPORT DATA
☐ TEST RESULT CERTIFICATE ☑ QUALITY COMPL. CERTIFICATE ☐ QPL ☑ CMO ☐ EQUIPMENT LIST & DRAWINGS ☐ OTHER (EXPLAIN)

INSPECTED BY	DATE	CERT. NO.
David Bartl	5/10/13	40135

REMARKS

734-2207 (5/07) Stk #203263

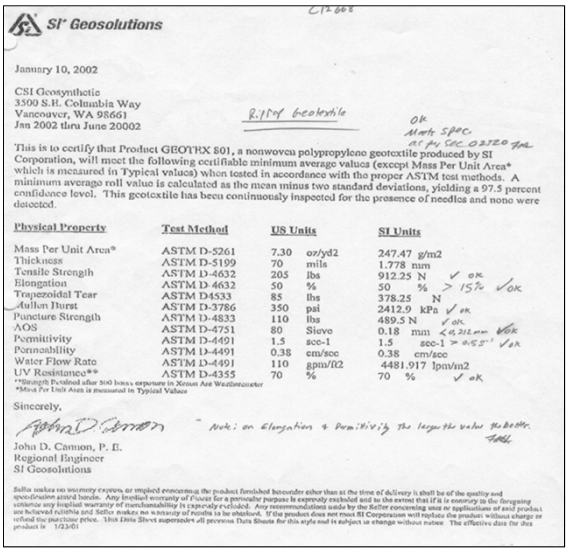
XREF TO BI 92, 93, 94 CRY

Engineered Support Structures Division, Valmont Industries, Inc.
6823 Northgate Way Ferndale, WA 98248 USA
360-366-3400 www.valmontstructures. com

5/31/13

Quality Compliance Certificate

Is this a valid Quality Compliance Certificate?



SI Geosolutions

January 10, 2002

CSI Geosynthetic
3500 S.R. Columbia Way
Vancouver, WA 98661
Jan 2002 thru June 20002

This is to certify that Product GEOTEX 801, a nonwoven polypropylene geotextile produced by SI Corporation, will meet the following certifiable minimum average values (except Mass Per Unit Area* which is measured in Typical values) when tested in accordance with the proper ASTM test methods. A minimum average roll value is calculated as the mean minus two standard deviations, yielding a 97.5 percent confidence level. This geotextile has been continuously inspected for the presence of needles and none were detected.

Physical Property	Test Method	US Units		SI Units
Mass Per Unit Area*	ASTM D-5261	7.30	oz/yd2	247.47 g/m2
Thickness	ASTM D-5199	70	mils	1.778 mm
Tensile Strength	ASTM D-4632	205	lbs	912.25 N
Elongation	ASTM D-4632	50	%	50 %
Trapezoidal Tear	ASTM D4533	85	lbs	378.25 N
Mullen Burst	ASTM D-3786	350	psi	2412.9 kPa
Puncture Strength	ASTM D-4833	110	lbs	489.5 N
AOS	ASTM D-4751	80	Sieve	0.18 mm
Permittivity	ASTM D-4491	1.5	sec-1	1.5 sec-1
Permeability	ASTM D-4491	0.38	cm/sec	0.38 cm/sec
Water Flow Rate	ASTM D-4491	110	gpm/ft2	4481.917 lpm/m2
UV Resistance**	ASTM D-4355	70	%	70 %

**Strength Retained after 500 hours exposure in Xenon Arc Weatherometer
*Mass Per Unit Area is measured in Typical Values

Sincerely,

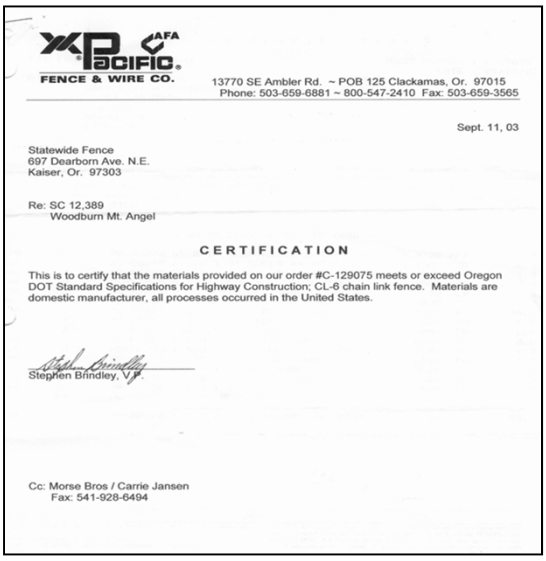
John D. Cannon, P. E.
Regional Engineer
SI Geosolutions

Sellin makes no warranty express or implied concerning the product furnished hereunder either than at the time of delivery it shall be of the quality and specification stated herein. Any implied warranty of fitness for a particular purpose is expressly excluded and to the extent that it is contrary to the foregoing sentence any implied warranty of merchantability is expressly excluded. Any recommendations made by the Seller concerning uses or applications of said product are believed reliable and Seller makes no warranty of results to be obtained. If the product does not meet SI Corporation will replace the product without charge or refund the purchase price. This Data Sheet supersedes all previous Data Sheets for this style and is subject to change without notice. The effective date for this product is 1/23/01

A. Yes
B. No

Quality Compliance Certificate

Is this a valid Quality Compliance Certificate?



PACIFIC FENCE & WIRE CO.

13770 SE Ambler Rd. ~ POB 125 Clackamas, Or. 97015
Phone: 503-659-6881 ~ 800-547-2410 Fax: 503-659-3565

Sept. 11, 03

Statewide Fence
697 Dearborn Ave. N.E.
Kaiser, Or. 97303

Re: SC 12,389
Woodburn Mt. Angel

CERTIFICATION

This is to certify that the materials provided on our order #C-129075 meets or exceed Oregon DOT Standard Specifications for Highway Construction; CL-6 chain link fence. Materials are domestic manufacturer, all processes occurred in the United States.

Stephen Brindley, V.P.

Cc: Morse Bros / Carrie Jansen
Fax: 541-928-6494

A. Yes
B. No

Test Result Certificate

00165.35(a) Test Result Certificate
The Certificate shall:

- Be from the manufacturer verifying that the material furnished has been sampled and tested and the test results meet Specifications.
- Include, or be accompanied by, a copy of the specified test results (ODOT, AASHTO, ASTM, UL or other).
- Identify the testing agency and the representative responsible for the test results.

Test Result Certificate (continued)

00165.35(a) Test Result Certificate
The Certificate shall:

- Permit positive determination that the Material delivered is the same Material covered by the test results.
- Be delivered to the Engineer with the shipment of the Material.

GiaLoi | QUALITY CERTIFICATE | No: CN12-077

Date: June 12, 2012
Customer: ACF West Inc.
PO No: 040248
Invoice No: 10/12/ACFW
Product Description: ACF200-12.5'

We certify our shipment to ACF West Inc. has the following specifications:

PROPERTIES	ASTM TEST METHOD	MARV
GRAB TENSILE	D4632 (MD/CD)	256 lbs / 259 lbs
GRAB ELONGATION	D4632 (MD/CD)	18 % / 18 %
UV RESISTANCE	After 500 hours exposure	>80%
TRAPEZOID TEAR	D4533 (MD/CD)	93 lbs / 101 lbs
CBR PUNCTURE STRENGTH	D6241	836 lbs
APPARENT OPENING SIZE	D4751	50 US Sieve
PERMITTIVITY	D4491	0.124 S⁻¹

Performed By: Võ Nguyễn Bảo Ngọc

GIA LOI JSC GEOTEXTILE LABORATORY

Verified By: Hồ Thị Thanh Tình

Good Test Result Certificate

Clearly identifies what spec or test method used

Clearly shows the test results

00350.10 Requires Level "A" Certification for Geotextile

Gia Loi	QUALITY CERTIFICATE	No: CN12-077

Date: June 12, 2012

Customer: ACF West Inc.

PO No: 040248

Invoice No: 10/12/ACFW

Product Description: ACF200-12.5'

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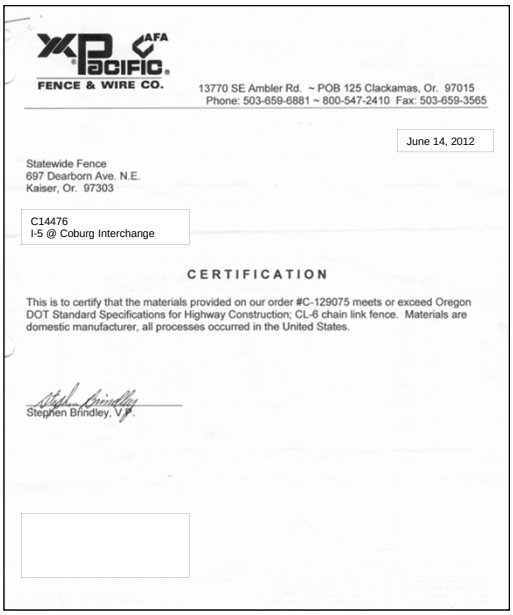
CBR PUNCTURE STRENGTH	D6241	836 lbs
APPARENT OPENING SIZE	D4751	50 US Sieve
PERMITTIVITY	D4491	0.124 S^{-1}

Performed By		Verified By
Đỗ Nguyễn Bảo Ngọc	GIA LOI JSC GEOTEXTILE LABORATORY	Hồ Thị Xuân Tình



XP Pacific AFA
FENCE & WIRE CO.
13770 SE Ambler Rd. ~ POB 125 Clackamas, Or. 97015
Phone: 503-659-6881 ~ 800-547-2410 Fax: 503-659-3565

June 14, 2012

Statewide Fence
697 Dearborn Ave. N.E.
Kaiser, Or. 97303

C14476
I-5 @ Coburg Interchange

CERTIFICATION

This is to certify that the materials provided on our order #C-129075 meets or exceed Oregon DOT Standard Specifications for Highway Construction; CL-6 chain link fence. Materials are domestic manufacturer, all processes occurred in the United States.

Stephen Brindley, V.P.

Bad Test Result Certificate

Does not "identify by number the specified test methods used" as required by 00165.35

How can the Inspector "positively determine that the material delivered is the same material covered by this certificate"?

Equipment List and Drawings

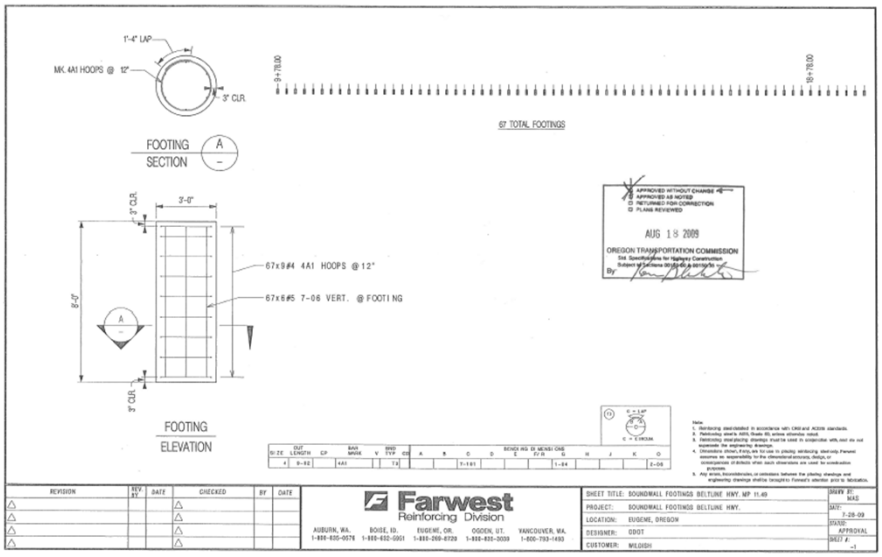
00165.35(c) Equipment List and Drawings
These consist of lists of proposed Equipment and Materials, such as:

- Shop drawings
- Material lists
- Equipment lists
- Catalog description
- Manufacturer's brochures

Submit these lists to the Engineer for review of conformance with the Specifications

ODOT MATERIALS & INSPECTION

Equipment List and Drawings



Certificate of Materials Origin

00165.35(d) Certificate of Origin of Steel Material
When specified, complete this document (ODOT Form 734-2126) as required by 00160.20 for **FEDERAL-AID** Projects

00160.20(a) Buy America
Only Projects with **Federal Highway Funds**:

- The Contractor shall not **permanently incorporate** foreign-origin iron or steel materials in excess of one-tenth of one percent (0.1%) of the Contract Amount or $2,500, whichever is greater.
- Includes all manufacturing processes in the casting of ingots, for iron or steel materials (including epoxy coating, galvanizing, painting, and any other coating)

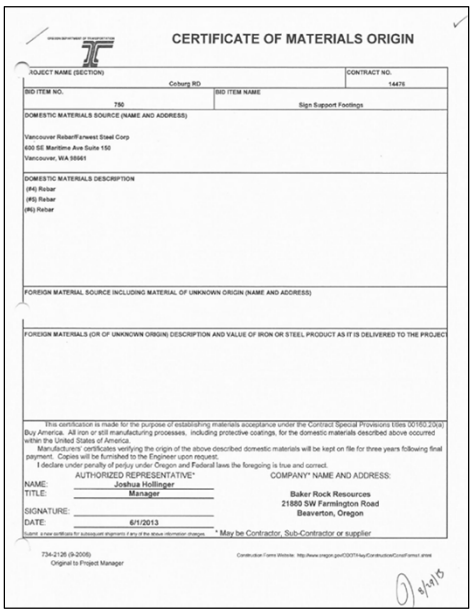
ODOT MATERIALS & INSPECTION

Certificate of Materials Origin (continued)

00160.20(a) Buy America
Only Projects with **Federal Highway Funds**: (continued)

- **All foreign-origin iron or steel Materials incorporated in the Project in excess of the amount indicated shall be removed and replaced with domestic Materials at Contractor's expense.**
- The Contractor shall provide the Engineer with a Certificate of Materials Origin, on a form furnished by the Engineer, before material is incorporated.
- Unless a CMO has been provided to the Engineer, the Materials **shall be considered foreign**.

ODOT MATERIALS & INSPECTION



CERTIFICATE OF MATERIALS ORIGIN

PROJECT NAME (SECTION): Coburg RD
CONTRACT NO.: 14476
BID ITEM NO.: 750
BID ITEM NAME: Sign Support Footings
DOMESTIC MATERIALS SOURCE (NAME AND ADDRESS)
Vancouver Rebar/Farwest Steel Corp
600 SE Maritime Ave Suite 150
Vancouver, WA 98661
DOMESTIC MATERIALS DESCRIPTION
(#4) Rebar
(#5) Rebar
(#6) Rebar
FOREIGN MATERIAL SOURCE INCLUDING MATERIAL OF UNKNOWN ORIGIN (NAME AND ADDRESS)
FOREIGN MATERIALS (OR OF UNKNOWN ORIGIN) DESCRIPTION AND VALUE OF IRON OR STEEL PRODUCT AS IT IS DELIVERED TO THE PROJECT

This certification is made for the purpose of establishing materials acceptance under the Contract Special Provisions titles 00160.20(a) Buy America. All iron or still manufacturing processes, including protective coatings, for the domestic materials described above occurred within the United States of America.
Manufacturers' certificates verifying the origin of the above described domestic materials will be kept on file for three years following final payment. Copies will be furnished to the Engineer upon request.
I declare under penalty of perjury under Oregon and Federal laws the foregoing is true and correct.

AUTHORIZED REPRESENTATIVE*
NAME: Joshua Hollinger
TITLE: Manager
SIGNATURE:
DATE: 6/1/2013

COMPANY* NAME AND ADDRESS:
Baker Rock Resources
21880 SW Farmington Road
Beaverton, Oregon

Submit a new certificate for subsequent shipments if any of the above information changes.
* May be Contractor, Sub-Contractor or supplier

734-2126 (9-2006)
Original to Project Manager

Construction Forms Website: http://www.oregon.gov/ODOT/Hwy/Construction/ConstForms1.shtml

8/1/13

CMO
(Certificate of Materials Origin)

Form 734-2126

NOTE:
A CMO is always required!!

A statement of origin on the Quality Compliance Certificate does not satisfy the Buy America requirements

Certificate of Materials Origin
Foreign Steel

Project Name and Bid Item

Source of Material Not Supplier

Description and actual cost to Contractor

Signatures and address

Form Number

OREGON DEPARTMENT OF TRANSPORTATION

CERTIFICATE OF MATERIALS ORIGIN

PROJECT NAME (SECTION)	CONTRACT NO.
SEVENTH STREET BYPASS	C12456

BID ITEM NO.	BID ITEM NAME
0480	REINFORCEMENT

DOMESTIC MATERIALS SOURCE (NAME AND ADDRESS)

DOMESTIC MATERIALS DESCRIPTION

FOREIGN MATERIALS SOURCE INCLUDING MATERIAL OF UNKNOWN ORIGIN (NAME AND ADDRESS)

TAIWAN STEEL, KOREA

FOREIGN MATERIALS (OR OF UNKNOWN ORIGIN) DESCRIPTION AND VALUE OF IRON OR STEEL PRODUCT AS IT IS DELIVERED TO THE PROJEC

287 EACH #32 round bars @ $2.18/ea = $625.00

This certification is made for the purpose of establishing materials acceptance under the Contract Special Provisions titled 00160.20(a) Buy America. All iron or steel manufacturing processes, including protective coatings, for the domestic materials described above occurred within the United States of America.

Manufacturers' certificates verifying the origin of the above described domestic materials will be kept on file for three years following final payment. Copies will be furnished to the Engineer upon request.

I declare under penalty of perjury under Oregon and Federal laws that the foregoing is true and correct.

AUTHORIZED REPRESENTATIVE*

NAME: Teo Stanley
TITLE: President
SIGNATURE: Teo Stanley
DATE: 6/9/2005

COMPANY* NAME AND ADDRESS:

Stanley Rebar
123 Manley Avenue
Jonesville, OR 90289

Submit a new certificate for subsequent shipments if any of the above information changes.

*May be Contractor, Sub-Contractor or supplier

734-2126 (2-96) ORIGINAL TO PROJECT MANAGER

OREGON DEPARTMENT OF TRANSPORTATION

CERTIFICATE OF MATERIALS ORIGIN

PROJECT NAME (SECTION)	CONTRACT NO.
Coburg RD	14476

BID ITEM NO.	BID ITEM NAME
750	Sign Support Footings

DOMESTIC MATERIALS SOURCE (NAME AND ADDRESS)

Vancouver Rebar/Farwest Steel Corp
600 SE Maritime Ave Suite 150
Vancouver, WA 98661

DOMESTIC MATERIALS DESCRIPTION

(#4) Rebar
(#5) Rebar
(#6) Rebar

FOREIGN MATERIAL SOURCE INCLUDING MATERIAL OF UNKNOWN ORIGIN (NAME AND ADDRESS)

FOREIGN MATERIALS (OR OF UNKNOWN ORIGIN) DESCRIPTION AND VALUE OF IRON OR STEEL PRODUCT AS IT IS DELIVERED TO THE PROJECT

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I declare under penalty of perjuy under Oregon and Federal laws the foregoing is true and correct.

AUTHORIZED REPRESENTATIVE*

NAME: Joshua Hollinger
TITLE: Manager
SIGNATURE:
DATE: 6/1/2013

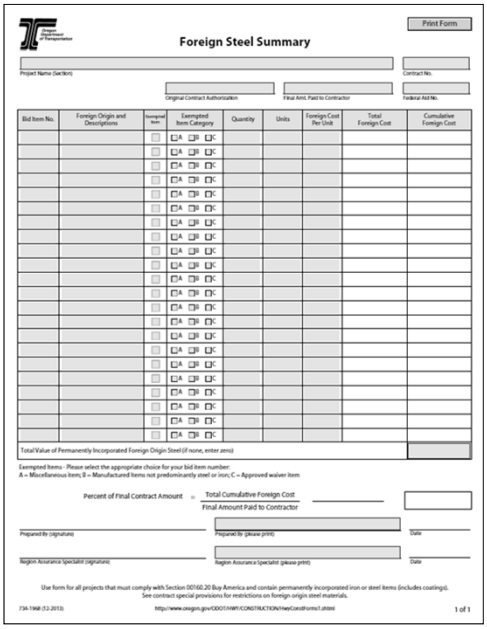
COMPANY* NAME AND ADDRESS:

Baker Rock Resources
21880 SW Farmington Road
Beaverton, Oregon

Submit a new certificate for subsequent shipments if any of the above information changes.

* May be Contractor, Sub-Contractor or supplier

8/29/13



Print Form

Oregon Department of Transportation

Foreign Steel Summary

Project Name (Section) | Contract No.

Original Contract Authorization | Final Amt. Paid to Contractor | Federal Aid No.

Bid Item No.	Foreign Origin and Descriptions	Nonsteel Item	Exempted Item Category	Quantity	Units	Foreign Cost Per Unit	Total Foreign Cost	Cumulative Foreign Cost
			A B C					
			A B C					
			A B C					
			A B C					
			A B C					
			A B C					
			A B C					
			A B C					
			A B C					
			A B C					
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			A B C					
			A B C					
			A B C					
			A B C					
			A B C					
			A B C					
			A B C					
			A B C					
			A B C					
			A B C					
Total Value of Permanently Incorporated Foreign Origin Steel (if none, enter zero)								

Exempted Items - Please select the appropriate choice for your bid item number:
A = Miscellaneous Item; B = Manufactured Items not predominantly steel or iron; C = Approved waiver item

Percent of Final Contract Amount = Total Cumulative Foreign Cost / Final Amount Paid to Contractor

Prepared By (signature) | Prepared By (please print) | Date

Region Assurance Specialist (signature) | Region Assurance Specialist (please print) | Date

Use form for all projects that must comply with Section 00160.20 Buy America and contain permanently incorporated iron or steel items (includes coatings).
See contract special provisions for restrictions on foreign origin steel materials.

734-1968 (12-2013) http://www.oregon.gov/ODOT/HWY/CONSTRUCTION/HwyContsForms1.shtml 1 of 1

Foreign Steel Summary
Form 734-1968

Always know where your foreign steel quantity is at!

Oregon Department of Transportation

Print Form

Foreign Steel Summary

I-5 @ Coburg Interchange
Pro[illegible]ne (Section)

C14476
Contract No.

$2,238,377.54
Original Contract Amount

$ 2,300,442.74
~~$2,233,420.31~~
Final Amt. Paid to Contractor

HPP-S001(395)
Federal Aid No.

Bid Item No.	Foreign Origin and Descriptions	Quantity	Units	Foreign Cost Per Unit	Total Foreign Cost	Cumulative Foreign Cost
079-082, 084,	China, Galv. Top Lock Locknut	34.00	EA	$0.08	$2.72	$2.72
086-089						
Total Value of Permanently Incorporated Foreign Origin Steel (if none, enter zero)						**$2.72**

Percent of Final Contract Amount = Total Cumulative Foreign Cost / Final Amount Paid to Contractor

$2.72 / ~~$2,233,420.31~~ $2,300,442.74

0.00%

Charles R Johnson
Prepared By (signature)

Charles R. Johnson
Prepared By (please print)

4 Dec 13
Date

Brent Heyne
Reg[illegible]urance Specialist (signature)

Brent Heyne
Region Assurance Specialist (please print)

12/18/13
Date

14-33

Use form for federal aid projects that contain permanently incorporated iron or steel items (includes coatings).
See contract special provisions for restrictions on foreign origin steel materials.

Cheryl Cave 1-29-14

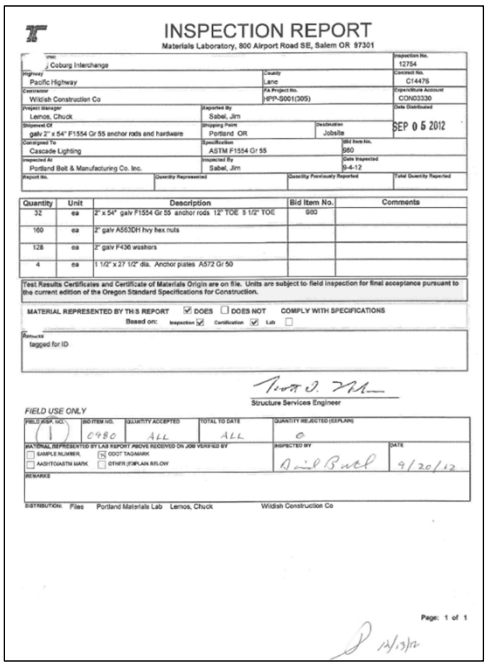
Casing: Domestic or Foreign?

Unknown Casing Source Marked as Temporary

ODOT Material Reports

- **ODOT Materials Inspection Report**
  Issued by Milwaukie or Eugene Structural Materials Inspection Crew
- **Laboratory Report**
  Issued by the Salem Central Materials Lab

ODOT MATERIALS & INSPECTION



INSPECTION REPORT
Materials Laboratory, 800 Airport Road SE, Salem OR 97301

Title: Coburg Interchange			Inspection No. 12754
Highway: Pacific Highway		County: Lane	Control No. C14476
Contractor: Wildish Construction Co		FA Project No. HPP-0001(005)	Expenditure Account CON00330
Project Manager: Lemos, Chuck	Reported By: Sabel, Jim		Date Distributed SEP 0 5 2012
Shipped Of: galv 2" x 54" F1554 Gr 55 anchor rods and hardware	Shipping Point: Portland OR	Destination: Jobsite	
Consigned To: Cascade Lighting	Specification: ASTM F1554 Gr 55		Bid Item No. 980
Inspected At: Portland Bolt & Manufacturing Co. Inc.	Inspected By: Sabel, Jim		Date Inspected 9-4-12
Report No.	Quantity Represented	Quantity Previously Reported	Total Quantity Reported

Quantity	Unit	Description	Bid Item No.	Comments
32	ea	2" x 54" galv F1554 Gr 55 anchor rods 12" TOE 5 1/2" TOE	980	
160	ea	2" galv A563DH hvy hex nuts		
128	ea	2" galv F436 washers		
4	ea	1 1/2" x 27 1/2" dia. Anchor plates A572 Gr 50		

Test Results Certificates and Certificate of Materials Origin are on file. Units are subject to field inspection for final acceptance pursuant to the current edition of the Oregon Standard Specifications for Construction.

MATERIAL REPRESENTED BY THIS REPORT ☑ DOES ☐ DOES NOT COMPLY WITH SPECIFICATIONS
Based on: Inspection ☑ Certification ☑ Lab ☐

Remarks: tagged for ID

Structure Services Engineer

FIELD USE ONLY

FIELD INSP. NO.	BID ITEM NO.	QUANTITY ACCEPTED	TOTAL TO DATE	QUANTITY REJECTED (EXPLAIN)
1	0980	ALL	ALL	0

MATERIAL REPRESENTED BY LAB REPORT ABOVE RECEIVED ON JOB VERIFIED BY: ☐ SAMPLE NUMBER ☒ ODOT TAGMARK ☐ AASHTO/ASTM MARK ☐ OTHER (EXPLAIN BELOW)
INSPECTED BY: DATE: 9/20/12
REMARKS:
DISTRIBUTION: Files Portland Materials Lab Lemos, Chuck Wildish Construction Co

Page: 1 of 1

Non-Field Tested Materials

Quality Compliance Document

Milwaukie Structural Inspection Crew

Note: CMO is on file at the Materials Laboratory

Using the ODOT Lab Inspection Report with the "built-in" FIR

INSPECTION REPORT

Materials Laboratory, 800 Airport Road SE, Salem OR 97301

Name: Coburg Interchange			Inspection No. 12754
Highway: Pacific Highway	County: Lane		Contract No. C14476
Contractor: Wildish Construction Co	FA Project No. HPP-S001(305)		Expenditure Account CON03330
Project Manager: Lemos, Chuck	Reported By: Sabel, Jim		Date Distributed SEP 0 5 2012
Shipment Of: galv 2" x 54" F1554 Gr 55 anchor rods and hardware	Shipping Point: Portland OR	Destination: Jobsite	
Consigned To: Cascade Lighting	Specification: ASTM F1554 Gr 55	Bid Item No. 980	
Inspected At: Portland Bolt & Manufacturing Co. Inc.	Inspected By: Sabel, Jim	Date Inspected 9-4-12	
Report No.	Quantity Represented	Quantity Previously Reported	Total Quantity Reported

Quantity	Unit	Description	Bid Item No.	Comments
32	ea	2" x 54" galv F1554 Gr 55 anchor rods 12" TOE 5 1/2" TOE	980	
160	ea	2" galv A563DH hvy hex nuts		
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Test Results Certificates and Certificate of Materials Origin are on file. Units are subject to field inspection for final acceptance pursuant to the current edition of the Oregon Standard Specifications for Construction.

MATERIAL REPRESENTED BY THIS REPORT ☑ **DOES** ☐ **DOES NOT** **COMPLY WITH SPECIFICATIONS**

Based on: Inspection ☑ Certification ☑ Lab ☐

Remarks

tagged for ID

Structure Services Engineer

FIELD USE ONLY

FIELD INSP. NO.	BID ITEM NO.	QUANTITY ACCEPTED	TOTAL TO DATE	QUANTITY REJECTED (EXPLAIN)
1	0980	ALL	ALL	0

MATERIAL REPRESENTED BY LAB REPORT ABOVE RECEIVED ON JOB VERIFIED BY

☐ SAMPLE NUMBER ☒ ODOT TAG MARK

☐ AASHTO/ASTM MARK ☐ OTHER (EXPLAIN BELOW

INSPECTED BY: David Bartel DATE: 9/20/12

REMARKS

DISTRIBUTION: Files Portland Materials Lab Lemos, Chuck Wildish Construction Co

14-37

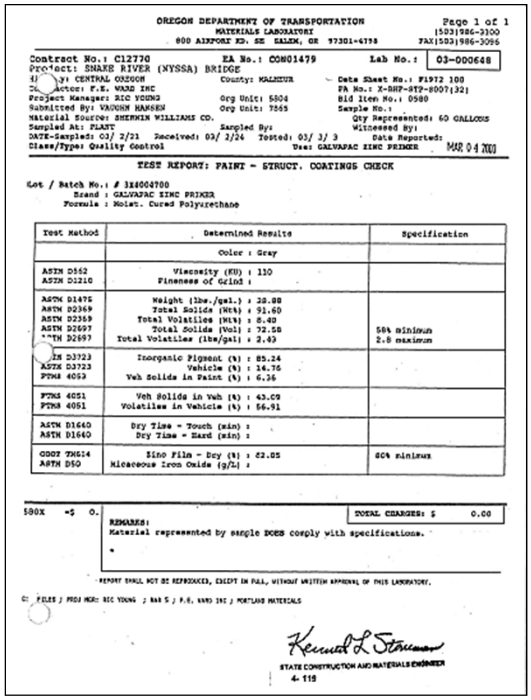
12/13/12

ODOT Lab Reports

Issued by the Salem Lab

Provides actual physical testing including:

- Guard rail anchor cables
- Anchor bolts
- Mechanical splices
- Other (paint, curing compounds, etc.)



OREGON DEPARTMENT OF TRANSPORTATION
MATERIALS LABORATORY
800 AIRPORT RD. SE SALEM, OR 97301-4798

Page 1 of 1
(503)986-3100
FAX(503)986-3096

Contract No.: C12770 EA No.: CON01479 Lab No.: 03-000648
Project: SNAKE RIVER (NYSSA) BRIDGE
Region: CENTRAL OREGON County: MALHEUR Date Sheet No.: F1972 100
Contractor: F.E. WARD INC FA No.: X-BHF-STP-S007(32)
Project Manager: RIC YOUNG Org Unit: 5804 Bid Item No.: 0580
Submitted By: VAUGHN HANSEN Org Unit: 7565 Sample No.:
Material Source: SHERWIN WILLIAMS CO. Qty Represented: 60 GALLONS
Sampled At: PLANT Sampled By: Witnessed By:
DATE-Sampled: 03/ 2/21 Received: 03/ 2/24 Tested: 03/ 3/ 3 Date Reported:
Class/Type: Quality Control Use: GALVAPAC ZINC PRIMER MAR 04 2003

TEST REPORT: PAINT - STRUCT. COATINGS CHECK

Lot / Batch No.: # 3X4004700
Brand : GALVAPAC ZINC PRIMER
Formula : Moist. Cured Polyurethane

Test Method	Determined Results	Specification
	Color : Gray	
ASTM D562 ASTM D1210	Viscosity (KU) : 110 Fineness of Grind :	
ASTM D1475 ASTM D2369 ASTM D2369 ASTM D2697 ASTM D2697	Weight (lbs./gal.) : 28.88 Total Solids (Wt%) : 91.60 Total Volatiles (Wt%) : 8.40 Total Solids (Vol) : 72.58 Total Volatiles (lbs/gal) : 2.43	58% minimum 2.8 maximum
ASTM D3723 ASTM D3723 FTMS 4053	Inorganic Pigment (%) : 85.24 Vehicle (%) : 14.76 Veh Solids in Paint (%) : 6.36	
FTMS 4051 FTMS 4051	Veh Solids in Veh (%) : 43.09 Volatiles in Vehicle (%) : 56.91	
ASTM D1640 ASTM D1640	Dry Time - Touch (min) : Dry Time - Hard (min) :	
ODOT TM614 ASTM D50	Zinc Film - Dry (%) : 82.85 Micaceous Iron Oxide (g/L) :	80% minimum

590X -$ 0. TOTAL CHARGES: $ 0.00

REMARKS:
Material represented by sample DOES comply with specifications.

REPORT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT WRITTEN APPROVAL OF THIS LABORATORY.

CC: FILES ; PROJ MGR: RIC YOUNG ; RAN S ; F.E. WARD INC ; PORTLAND MATERIALS

Kenneth L. Stevenson
STATE CONSTRUCTION AND MATERIALS ENGINEER
4- 118

OREGON DEPARTMENT OF TRANSPORTATION
MATERIALS LABORATORY
800 AIRPORT RD. SE SALEM, OR 97301-4792
(503)986-3000
FAX(503)986-3096

Contract No.: C14741 **EA No.: CON03645** **Lab No.: 15-002006**

Project: WESTPORT FERRY LANDING REPLACEMENT (CLATSOP CO)

Highway: WESTPORT FERRY ROAD County: CLATSOP **Data Sheet No.: F 1213**
Contractor: LEGACY CONTRACTING, INC. FA No.: STP-C007(027)
Project Manager: DAVE DAVIES Org Unit: DEA Bid Item No.:
Submitted By: JEFFERY HEINLEN Org Unit: KRSD Sample No.:
Material Source: 05-015-1 WATTERS QUARRY Qty Represented: ANNUALLY
Sampled At: STOCKPILE Sampled By: Witnessed By:
DATE-Sampled: 15/ 7/ 6 Received: 15/ 7/ 7 Tested: 15/ 7/13 Date Reported: 15/ 7/13
Class/Type: COMPLIANCE **Use: GRNLR DRN BKFILL**

Q or G: QUARRY **AGGREGATE LABORATORY REPORT - GR DR BKFLL** **Size: 1 1/2-3/4**

Test	Field	Lab
T 176 S.E.		
T 89 L.L.		
T 90 P.I.		
T 335 Ttl Frac.		
TM 226 Dust/Clay		
TM 227 Cleanness		
TM 229 Elong pcs		
T 304 Uncomp. Voids		
T 19 Unit Wt.		
T 329 Moisture		
T 27/11		
Sieve	Passing	Passing
2.5		
2		
1.5		
1		
3/4		
1/2		
3/8		
1/4		
# 4		
# 8		
# 10		
# 16		
# 30		
# 40		
# 50		
#100		
#200		

T 84 F. Grav.
Bulk:
S.S.D.:
Appar.:
Absorp.:

T 85 C. Grav.
Bulk:
S.S.D.:
Appar.:
Absorp.:

T 104 Soundness
C A: F A:
1.5-3/4:
3/4-3/8:
3/8- #4:
#4- #8:
#8-#16:
#16-#30:
#30-#50:

TM 208 Degrade
Crse Ht: 0.3 in
P20: 17.1 %
Fine Ht:
P20:

T 96 Abrasion
9.3 %
Type D

T 21 Impurity
Plate #:

T 335 Fracture
3/4:
1/2:
3/8:
1/4:
#10:

T 112 Friables
Wt'd Avg :
1.5-3/4:
3/4-3/8:
3/8- #4:
#4-#16:

T 113 Lightweight
Coarse:
Fine:

TM 225 Woodwaste
Lab:
Field:

AASHTO T 288/289
Resist: Ω
pH:

AASHTO T 267
Organic:

AASHTO T 291
Chloride:

AASHTO T 290
Sulfate:

T 327 Micro Deval ===> Grading: Loss: %

1 @ t96 =$ 97.00
1 @ tm208 = 74.00

NSM = Not Sufficient Material

TOTAL CHARGES: $ 0.00

REMARKS:
Material represented by sample **DOES** comply with specifications.

KEVIN BROPHY - LABORATORY SERVICES MANAGER

REPORT SHALL NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT WRITTEN APPROVAL OF THIS LABORATORY.

C: FILES ; PROJ MGR: DAVE DAVIES - DAVID EVANS & ASSOCIATES ; LEGACY CONTRACTING, INC. ; REG 1 Q.A.C. ; J CIESLAK - AGGREGATE JOHNSON/CRONEMILLER/SCHROEDER-LIAIS

00170.85(b) – Warranty Requirements

Manufacturer Warranties

- Must be the original warranty (no copies or faxes)
- Job specific
- Signed by manufacturer's representative
- Starts on the date the Engineer accepts the Work and authorizes the final payment unless otherwise specified in the contract

Written Warranties – Forms

- Pavement Markings – Longitudinal High Performance
- Pavement Markings – Longitudinal Durable
- Pavement Markings – Transverse

Available at the ODOT Construction forms webpage:
http://www.oregon.gov/ODOT/HWY/CONSTRUCTION/Pages/HwyConstForms1.aspx

Warranty

Written Warranty Sample Form

Longitudinal Pavement Markings –

High Performance

(Use Manufacturer's Letterhead)

WARRANTY STATEMENT

Warranty for Longitudinal Pavement Markings - High Performance

ODOT Contract # _____

Project Name: _____

Contractor: _____

Hwy and MP: _____

Manufacturer: _____

Manufacturer Phone: _____

Manufacturer Address: _____

_____

Product Name: _____

Formula: _____

Acceptance Date: _____ Warranty Period: _____

The High Performance longitudinal Pavement Markings placed on the above referenced project was completed using the product listed above and is warranted in accordance with the ODOT contract requirement and as follows: the manufacturer is required to repair or replace, at the discretion of the Engineer and at no additional cost to the Agency, all markings that drop below the required minimum retro-reflectivity, show insufficient color stability, or fail to bond, within six months of the Agency's request to do so.

_____
Manufacturer's Representative (Printed and Signed)

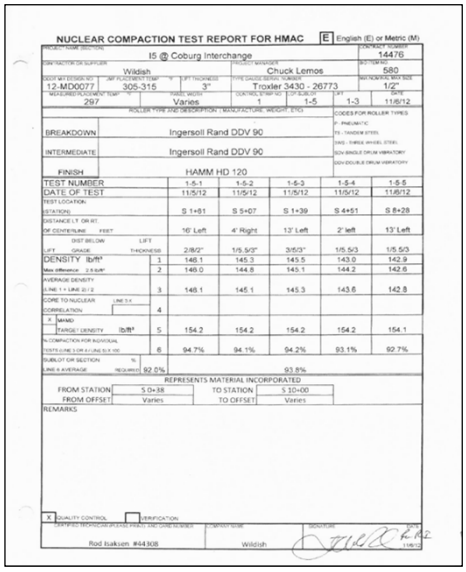
_____
Title

_____
Date

Rev: 2-25-09

Example of Material Conformance Document

Field Tested Material



NUCLEAR COMPACTION TEST REPORT FOR HMAC — E English (E) or Metric (M)

PROJECT NAME (SECTION)	I5 @ Coburg Interchange			CONTRACT NUMBER	14476
CONTRACTOR OR SUPPLIER	Wildish	PROJECT MANAGER	Chuck Lemos	BOTTOM NO.	580
ODOT MAT DESIGN NO.	12-MD0077	JMF PLACEMENT TEMP	305-315	LIFT THICKNESS	3"
TYPE GAUGE DEPTH NUMBER	Troxler 3430 - 26773			MAX NOMINAL MAX SIZE	1/2"
MEASURED PLACEMENT TEMP	297	PAVED WIDTH	Varies	CONTROL STRIP NO.	1
LIFT SUBLOT	1-5	LIFT	1-3	DATE	11/6/12

ROLLER TYPE AND DESCRIPTION (MANUFACTURE, WEIGHT, ETC)

BREAKDOWN	Ingersoll Rand DDV 90
INTERMEDIATE	Ingersoll Rand DDV 90
FINISH	HAMM HD 120

CODES FOR ROLLER TYPES
P - PNEUMATIC
TS - TANDEM STEEL
SWG - SWIVEL WHEEL STEEL
SDV SINGLE DRUM VIBRATORY
DDV DOUBLE DRUM VIBRATORY

TEST NUMBER	1-5-1	1-5-2	1-5-3	1-5-4	1-5-5
DATE OF TEST	11/5/12	11/5/12	11/5/12	11/5/12	11/6/12
TEST LOCATION (STATION)	S 1+61	S 5+07	S 1+39	S 4+51	S 8+28
DISTANCE LT. OR RT. OF CENTERLINE FEET	16' Left	4' Right	13' Left	2' left	13' Left
DIST BELOW LIFT GRADE / LIFT THICKNESS	2/8/2"	1/5.5/3"	3/5/3"	1/5.5/3	1/5.5/3
DENSITY lb/ft³ Max difference 2.5 lb/ft³ — 1	146.1	145.3	145.5	143.0	142.9
2	146.0	144.8	145.1	144.2	142.6
AVERAGE DENSITY LINE 1 + LINE 2 / 2 — 3	146.1	145.1	145.3	143.6	142.8
CORE TO NUCLEAR CORRELATION LINE 3 X — 4					
X MAND TARGET DENSITY lb/ft³ — 5	154.2	154.2	154.2	154.2	154.1
% COMPACTION FOR INDIVIDUAL TESTS (LINE 3 OR 4 / LINE 5) X 100 — 6	94.7%	94.1%	94.2%	93.1%	92.7%
SUBLOT OR SECTION LINE 6 AVERAGE % REQUIRED 92.0%	93.8%				

REPRESENTS MATERIAL INCORPORATED

FROM STATION	S 0+38	TO STATION	S 10+00
FROM OFFSET	Varies	TO OFFSET	Varies

REMARKS

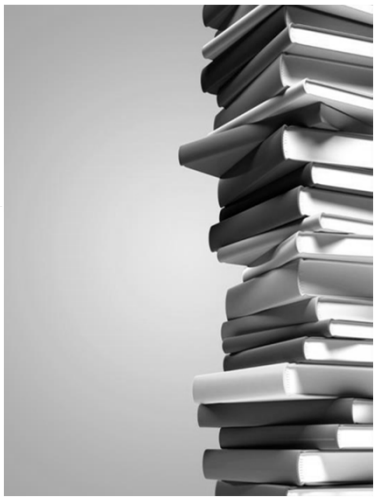
X QUALITY CONTROL ☐ VERIFICATION

CERTIFIED TECHNICIAN (PLEASE PRINT) AND CARD NUMBER	COMPANY NAME	SIGNATURE	DATE
Rod Isaksen #44308	Wildish	[signature]	11/6/12

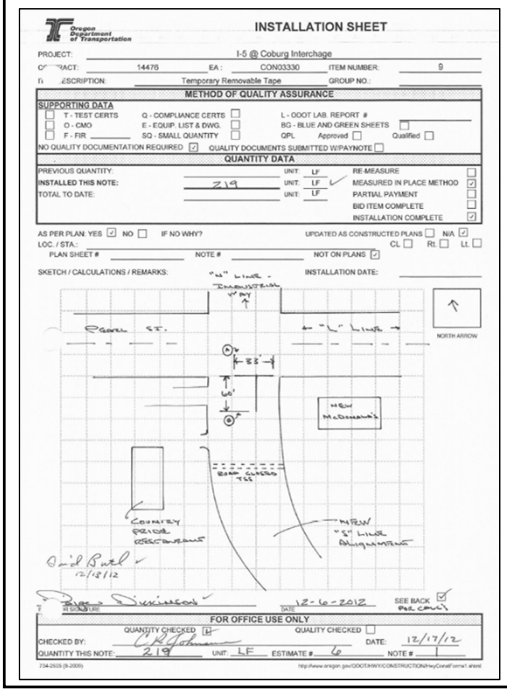
Nuclear Compaction Test Report for HMAC

Source Document Examples

- Field notes
- Calculations
- Invoices
- Reports



ODOT MATERIALS & INSPECTION



INSTALLATION SHEET

Oregon Department of Transportation

PROJECT: I-5 @ Coburg Interchage

CONTRACT: 14476 EA: CON03330 ITEM NUMBER: 9

DESCRIPTION: Temporary Removable Tape GROUP NO.:

METHOD OF QUALITY ASSURANCE

SUPPORTING DATA

T - TEST CERTS Q - COMPLIANCE CERTS L - ODOT LAB. REPORT #

O - CMO E - EQUIP. LIST & DWG. BG - BLUE AND GREEN SHEETS

F - FIR SQ - SMALL QUANTITY QPL Approved Qualified

NO QUALITY DOCUMENTATION REQUIRED ☑ QUALITY DOCUMENTS SUBMITTED W/PAYNOTE

QUANTITY DATA

PREVIOUS QUANTITY: UNIT: LF RE-MEASURE

INSTALLED THIS NOTE: 219 UNIT: LF MEASURED IN PLACE METHOD ☑

TOTAL TO DATE: UNIT: LF PARTIAL PAYMENT

BID ITEM COMPLETE

INSTALLATION COMPLETE ☑

AS PER PLAN: YES ☑ NO ☐ IF NO WHY? UPDATED AS CONSTRUCTED PLANS ☐ N/A ☑

LOC. / STA.: CL ☐ Rt. ☐ Lt. ☐

PLAN SHEET # NOTE # NOT ON PLANS ☑

SKETCH / CALCULATIONS / REMARKS: INSTALLATION DATE:

SIGNATURE DATE 12-6-2012 SEE BACK ☑ FOR CALCS

FOR OFFICE USE ONLY

QUANTITY CHECKED ☑ QUALITY CHECKED ☐

CHECKED BY: C.R. Johnson DATE: 12/17/12

QUANTITY THIS NOTE: 219 UNIT: LF ESTIMATE # 6 NOTE # 1

734-2605 (9-2005) http://www.oregon.gov/ODOT/HWY/CONSTRUCTION/HwyGeneForms1.xlsm

Installation Sheet or "Paynotes"

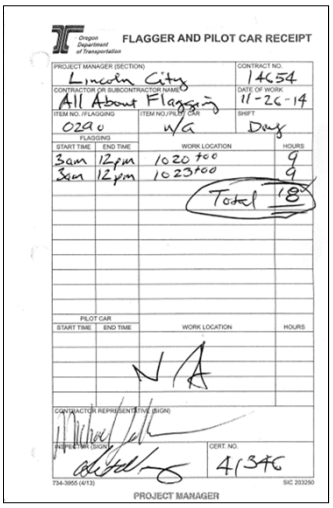
Form 734-2605

Must include the following:

- Project identification
- Pay Item identification
- Validation statement
- Specific location of installation
- Dates (installed / checked)
- Signatures (inspector/ checker)

Flagging Ticket

- Form 734-3955 (triplicate)
- Daily record hours
- Signature shows agreement



Oregon Department of Transportation

FLAGGER AND PILOT CAR RECEIPT

PROJECT MANAGER (SECTION)	CONTRACT NO.
Lincoln City	14654
CONTRACTOR OR SUBCONTRACTOR NAME	DATE OF WORK
All About Flagging	11-26-14
ITEM NO. / FLAGGING	ITEM NO. / PILOT CAR	SHIFT
0290	N/A	Day

FLAGGING

START TIME	END TIME	WORK LOCATION	HOURS
3am	12pm	1020 too	9
3am	12pm	1023 too	9
		Total	18

PILOT CAR

START TIME	END TIME	WORK LOCATION	HOURS
		N/A	

CONTRACTOR REPRESENTATIVE (SIGN)

INSPECTOR (SIGN) CERT. NO. 41346

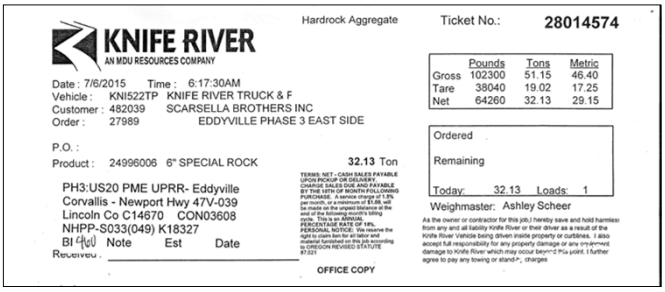
734-3955 (4/13) SIC 203250

PROJECT MANAGER

ODOT MATERIALS & INSPECTION

Weigh Memo (Truck Tickets)

- Certified scales with passing check weights
- Meet requirements of 190.20(f)(3)



KNIFE RIVER
AN MDU RESOURCES COMPANY

Hardrock Aggregate

Ticket No.: 28014574

Date : 7/6/2015 Time : 6:17:30AM
Vehicle : KNI522TP KNIFE RIVER TRUCK & F
Customer : 482039 SCARSELLA BROTHERS INC
Order : 27989 EDDYVILLE PHASE 3 EAST SIDE

P.O. :
Product : 24996006 6" SPECIAL ROCK 32.13 Ton

PH3:US20 PME UPRR- Eddyville
Corvallis - Newport Hwy 47V-039
Lincoln Co C14670 CON03608
NHPP-S033(049) K18327
BI 4400 Note Est Date
Received :

	Pounds	Tons	Metric
Gross	102300	51.15	46.40
Tare	38040	19.02	17.25
Net	64260	32.13	29.15

Ordered
Remaining
Today: 32.13 Loads: 1

Weighmaster: Ashley Scheer

TERMS: NET - CASH SALES PAYABLE UPON PICKUP OR DELIVERY. CHARGE SALES DUE AND PAYABLE BY THE 10TH OF MONTH FOLLOWING PURCHASE. A service charge of 1.5% per month, or a minimum of $1.00, will be made on the unpaid balance at the end of the following month's billing cycle. This is an ANNUAL PERCENTAGE RATE OF 18%. PERSONAL NOTICE: We reserve the right to claim lien for all labor and material furnished on this job according to OREGON REVISED STATUTE 87.021

As the owner or contractor for this job,I hereby save and hold harmless from any and all liability Knife River or their driver as a result of the Knife River Vehicle being driven inside property or curtilines. I also accept full responsibility for any property damage or any [illegible] damage to Knife River which may occur beyond this point. I further agree to pay any towing or standby charges

OFFICE COPY

ODOT MATERIALS & INSPECTION

Remember!

Quantity Documentation

- Prepare documents at the time and place of delivery
- Line out changes – no erasing or white out
- Computer generated formulas must be shown
- Use accurate and easy to follow measurements
- DO NOT make payment without:
  - Proper quality documentation
  - Quantity calculations

Construction Manual Section 12-D-2

Key Inspection Points

- Make accurate and timely measurements
- Clear and concise paynotes
- Document when Bid Item is complete
- Pay attention to quantities for overruns
- Timely quality documentation
- Match quality documentation to materials being delivered
- Accurate and detailed FIR

Unit 14 Review:

- ✓Quality Documents
- ✓Quantity Documents
- ✓Quality and Quantity sheet
- ✓Field Inspection Reports (FIR)
- ✓Installation Sheets (Paynotes)
- ✓Weigh Memos