

MATERIALS
Chad Hines, CE Advanced

What is necessary for Materials Log?

- E-Guide
- Diary Spreadsheet
- Certifications
- Test Reports
- DT1310

How do I start my documentation?

- Before a construction project begins:
 - CMM 8.45 & 8.50
 - E-Guide
 - Diary Spreadsheet
 - Source of Materials

Diary Spreadsheet

PROJECT: 0075-00-72 Elsworth - Baldwin Rd 374 29 East - 34 UG# 63				Project Leader: Inspected By: Kelly Corrie Reviewed By: Date Reviewed:	
SI Cross and Plans Counties					
Date of Inspection	Item # & Description of Material	(Brand Name, Type, Size, etc.)	Name and Address of Manufacturer and Supplier	Proportion Established as Basis of Acceptance and Referenced Test Report Number	Final Quantity
	215 1700 Block Structure	Kussell PE, Baldwin, WI		Test Sample Required	
	305 0110 Base Aggregate Course - 3/4" - inch	El Paso Quarry		One Test Sample And Set of Certification. Minimum Test Samples required. Test Report	
	305 0120 Base Aggregate Course - 1 1/4" - inch	Dues and El Paso Quarries		One Test Sample For set of certification. Minimum test samples required. Test Report	
	402 4410.5 Incurite #0 Rule			Test Report Required	
	505 0000 Bar Steel Reinforcing Coated Bridge		Tensate, Inc. 1242 East Rock Road St. Paul MN 55118	Test Report Required. Test Report Number: 2010-10-20	
	515 0000 Multilayer Membrane Waterproofing			Diary Entry Required. On approved List	
	605 0200 Ramp Medium	El Paso Quarry	The Kiewit Company	Diary Entry Required	
	625 1004 Sill Fence			Test Report Required	
	634 0018 Post Wood 4x4-inch x 16 ft	Woody Run Forest Products		Test Report Required	
	SPV 0000 ST - Special Concrete Curb			Verify on approved List	

Diary Spreadsheet

PROJECT: 0075-00-72 Elsworth - Baldwin Rd 374 29 East - 34 UG# 63				Project Leader: Inspected By: Kelly Corrie Reviewed By: Date Reviewed:	
SI Cross and Plans Counties					
Date of Inspection	Item # & Description of Material	(Brand Name, Type, Size, etc.)	Name and Address of Manufacturer and Supplier	Proportion Established as Basis of Acceptance and Referenced Test Report Number	Final Quantity
	215 1700 Block Structure	Kussell PE, Baldwin, WI	Placed by Mathison Contractors	Test # 6-217-0015-2009	1150 CY
	305 0110 Base Aggregate Course - 3/4" - inch	El Paso Quarry	The Kiewit Company	6-217-0098-2009 6-217-0094-2009 6-439-105-2010	10,667.6 TON
	305 0120 Base Aggregate Course - 1 1/4" - inch	Dues and El Paso Quarries	The Kiewit Company	6-217-0015-2009 6-217-0045-2009 6-439-105-2010	4195.33 TON
	402 4410.5 Incurite #0 Rule	Marathon Paving 83096 - Rapid Paving	AGRI Construction Co. 820 100 Ave SW PO Box 100 Minnetonka, MN Tensate, Inc.	6-458-105-4-2010	14,177.98 SCL
	505 0000 Bar Steel Reinforcing Coated Bridge	Garlick North Star South Kille 413, Minnetonka Mining and Manufacturing	Tensate, Inc. 1242 East Rock Road St. Paul MN 55118	Test Report # 640007-10-14-0000 See Test # 101-6007-2008 464-212-001-001-2009	54045 LB
	515 0000 Multilayer Membrane Waterproofing	CCR Midsouth	CCR Minerals, TX	On approved list	53 SF
	605 0200 Ramp Medium	El Paso Quarry	The Kiewit Company	Placed by Mathison Contractors Visual Inspection	36.1 CY
	625 1004 Sill Fence	Winch Size 1210	Wilcochouche Industrial Fabrics	Test # 412-900-0002-2009	1423 LF
	634 0018 Post Wood 4x4-inch x 16 ft	Woody Run Forest Products	Mathison Contractors Minnetonka, WI	Certification on File # 439-900-0002-2010	70 EACW
	SPV 0000 ST - Special Concrete Curb	W. R. Woodson 1852 16th Buck # 8000CT	Chippewa Concrete Services	On approved List	485 LF

Materials Acceptance & Documentation

- Inspect all products prior to installation
 - > Includes all approved list, certified source and pre-qualified products
 - > Record relevant inspection information
 - > Verify product matches certification
- Review all Certifications of Compliance and Certified Reports of Test and Analysis per instructions in CMM 8.45.2.7
 - Sign and date all certifications you accept
- Reference all Certifications, Shop Inspection Reports and other external documents using the MTS/MIT prefix 900 report

Materials Acceptance & Documentation

- Diary entries shall include:
 - ✓ Description- Brand, model , type, dimensions, lot , heat etc.
 - ✓ Quantity
 - ✓ Manufacturer, source and vendor
 - ✓ Evaluation and basis for acceptance- visual inspection remarks, product condition, compliance to specifications, etc.
- Reference the diary as an external document to list on the Test Report Index. (900 Reports)

MITs Test Data to be Included in Materials Log

- 155 –QMP testing, QC testing, Non-conforming materials
- 217 – Aggregates
- 162 – Concrete aggregates
- 262 – Nuclear Density
- 900 – Reference Report

Finishing up Materials Log

Printed from MTS by Region Personnel

TEST REPORT REVIEW									
PROJECT #10101-02 (2) - BRIDGE - BRIDGE/ROADS/RES.									
#	Test Report	Test Type	Manufacturer	Material	Manufacturer	Quantity	Material	Area	Location
1	4-101-02-000	Verification	Steel Deck for concrete reinforcement	REBAR	YEA	27100000	07100000		Northwest Station
2	4-101-02-000	Verification	Steel Deck for concrete reinforcement	REBAR	YEA	68800000	08100000		Northwest Station
3	4-101-02-000	Verification	Gravelled steel deck for pavement/concrete (20% FINE) STRUCK	BASECOURSE	YEA	10000000	10000000		BRIDGE
4	4-101-02-000	Verification	Gravelled steel deck for pavement/concrete (20% FINE) STRUCK	BASECOURSE	YEA	10000000	10000000		BRIDGE
5	4-101-02-000	Verification	Gravelled steel deck for pavement/concrete (20% FINE) STRUCK	BASECOURSE	YEA	10000000	10000000		BRIDGE
6	4-101-02-000	Verification	Gravelled steel deck for pavement/concrete (20% FINE) STRUCK	BASECOURSE	YEA	10000000	10000000		BRIDGE
7	4-101-02-000	Verification	Gravelled steel deck for pavement/concrete (20% FINE) STRUCK	BASECOURSE	YEA	10000000	10000000		BRIDGE
8	4-101-02-000	Verification	Gravelled steel deck for pavement/concrete (20% FINE) STRUCK	BASECOURSE	YEA	10000000	10000000		BRIDGE
9	4-101-02-000	Verification	Form	FORMWORK	YEA	80000000	08000000		BRIDGE
10	4-101-02-000	Verification	Concrete Cylinders	CONCRETE	YEA	80000000	08000000		BRIDGE
11	4-101-02-000	Completion Checklist	Concrete Cylinders	CONCRETE	YEA	80000000	08000000		BRIDGE
12	4-101-02-000	Verification	Concrete Cylinders	CONCRETE	YEA	10000000	10000000		BRIDGE
13	4-101-02-000	Verification	Form	FORMWORK	YEA	80000000	08000000		BRIDGE
14	4-101-02-000	Verification	Form	FORMWORK	YEA	80000000	08000000		BRIDGE
15	4-101-02-000	Verification	Form	FORMWORK	YEA	80000000	08000000		BRIDGE
16	4-101-02-000	Verification	Form	FORMWORK	YEA	80000000	08000000		BRIDGE
17	4-101-02-000	Verification	Form	FORMWORK	YEA	80000000	08000000		BRIDGE

Finishing up Materials Log

- Should always be bound.
- DT1310 – Always the first sheet
- Index
- Diary Spreadsheet
- Test reports
- Certifications

Contract Requirements

- 2011 NW Region Special Provisions
 - Consultant-Led Projects
 - Enter materials information into MIT
 - Entered before bi-weekly pay estimates
 - Department-Led Projects
 - Enter materials information into MIT
 - Entered before bi-weekly pay estimates
 - Project managers periodically check materials documentation for compliance.

Questions?

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- Cheryl Lowney – Superior
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