

Wisconsin Department of Transportation
Hill Farms State Office Bldg.
4802 Sheboygan Ave.
Madison, WI 53702

To Whom It May Concern:

We hereby certify that all materials and workmanship pertaining to the project below, complies with the State of Wisconsin Department of Transportation's current specifications.

MATERIALS: $1\frac{1}{4}$ " x 18" baskets ✓

All materials used in fabrication were melted and made in the United States of America to comply with current Wisconsin Department of Transportation specifications as well as epoxy coating applied in the United States of America.

ATTACHMENTS: Mill & Epoxy Certs for $1\frac{1}{4}$ " dowel bar

PROJECT: [REDACTED]

GENERAL CONTRACTOR: [REDACTED]

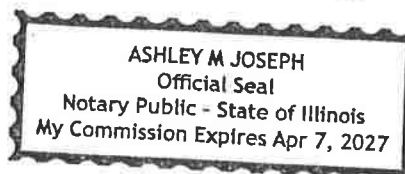
HEAT #: 7040574, ✓ 7040573, ✓ 245173 ✓

✓ AMERICAN HIGHWAY
A Simplex Company

✓ 
Shipping Coordinator

Subscribed and sworn before me this 3 day of May, 2024.


Notary Public



Customer:	 AMERICAN HIGHWAY A Simplex Company		Kankakee, IL		RCL
Epoxy Coating Reinforcing Steel Test Record					
Order #	3449590		Date:	4-30-24	
Steel Mill:	AST / CMC		Bar Size:	11/4 x 452	
Grade:	60		Code:	35612	
Epoxy:	SHOWIN WILLIAMS		Epoxy Lot:	CH0154NC ✓	
Total Pieces:	540		Total Weight:	101,865	
Inspected By:	Jeth Vance		Thickness:	8-12	

Bundle #:	1	2	3	4	5	6	7	8	9	10
Holidays:	pass/fail	pass/fail	pass/fail	pass/fail	pass/fail	pass/fail	pass/fail	pass/fail	pass/fail	pass/fail
Bend Test:	pass/fail	pass/fail	pass/fail	pass/fail	pass/fail	pass/fail	pass/fail	pass/fail	pass/fail	pass/fail
Heat #:	245172	245172	245172	245172	245171	245173	245173	245173	240574	240573
# of Pieces:	54	54	54	54	54	54	54	54	54	54

Reading 1:	101	90	101	91	102	88	90	88	91	88
Reading 2:	112	99	100	87	113	102	96	91	102	91
Reading 3:	121	103	96	86	110	113	87	103	104	103
Reading 4:	122	100	94	102	108	101	92	110	116	110
Reading 5:	119	101	88	89	105	103	104	112	110	109
Reading 6:	101	116	85	99	99	96	109	110	121	104
Reading 7:	100	112	91	91	94	90	104	105	120	112
Reading 8:	96	120	102	93	104	87	114	99	98	120
Reading 9:	90	121	113	104	103	86	112	94	101	120
Reading 10:	90	110	101	113	111	92	121	90	88	114
Reading 11:	87	103	114	112	110	114	120	88	101	110
Reading 12:	86	99	98	99	110	121	115	87	94	100
Reading 13:	91	94	87	91	105	120	102	96	102	105
Reading 14:	104	103	82	87	112	114	114	104	114	105
Reading 15:	113	112	94	86	120	110	110	91	112	93
Reading 16:	102	99	119	109	121	103	121	90	96	91
Reading 17:	114	91	121	101	113	109	120	80	91	94
Reading 18:	112	88	123	99	110	96	122	87	102	104
Reading 19:	109	89	114	99	100	92	119	92	113	113
Reading 20:	112	102	112	98	103	90	116	104	121	102
Reading 21:	112	113	121	87	121	88	105	114	120	100
Reading 22:	110	102	120	86	120	88	99	112	111	100
Reading 23:	121	91	114	101	122	94	98	109	110	88
Reading 24:	121	98	112	113	114	103	87	104	108	87
Reading 25:	101	87	109	109	112	106	102	121	105	91
Reading 26:	100	91	112	112	113	101	113	122	99	90
Reading 27:	99	101	96	113	109	120	91	114	94	87
Reading 28:	100	112	91	91	100	120	94	112	101	99
Reading 29:	93	120	88	87	105	118	103	114	112	101
Reading 30:	102	121	91	92	113	115	116	91	109	110

SPECIAL TEST RESULTS																						
	ASTM E-45 Method A								ASTM E-45 Method C			SAE J422		ASTM E-381			Charpy		Hardness			CE
Heat #	TA	TB	TC	TD	HA	HB	HC	HD	S	O	S	O	S	R	C		RC	RB	BHN	BHN2		
234971																			185	0.5024		
234972																			190	0.5013		
245171																			185	0.4925		
245172																			185	0.4963		
245173 ✓																			190	0.4972		
245174																			180	0.4921		



CERTIFIED MILL TEST REPORT

Exhibit 1

Alton Steel Test Lab
#5 Cut Street
Alton, IL, 62002-9011
(618) 463-4490 Ext 2486
(618) 463-4491 (Fax)

245175
245176
245177
245178

190	0.4973
180	0.4735
190	0.4797
190	0.4797

ADDITIONAL COMMENTS

No mercury, lead, radium, of alpha containing material or equipment is used or deliberately added in the production of this steel. No weld or weld repairs were performed on this material. This Steel is 100% Electric Arc Furnace Melted and Rolled in the U.S.A. Material qualifies as USMCA origination.

Subscribed and sworn to before me, a Notary Public, in and for the county of Madison, State of Illinois

this _____ Day of _____
My commission expires _____

(Notary Public)

Alteration or reproduction of this report, except in full, is not allowed without written approval by a representative of Alton Steel Incorporated.

I hereby certify that the above tests are correct as contained in the records of ALTON STEEL INCORPORATED

✓ Quality Leader: Josh Levi



CMC STEEL TENNESSEE
1919 Tennessee Avenue
Knoxville TN 37921-2686

CERTIFIED MILL TEST REPORT
For additional copies call
865-202-5972/888-870-0766

We hereby certify that the test results presented here
are accurate and conform to the reported grade specification

Jim Hall

Quality Assurance Manager

HEAT NO.: 7040574 SECTION: ROUND 1-1/4X45'2" A615/A706-Gr60; M227Gr80 GRADE: A615/A706-Gr60; M227 Gr80 ROLL DATE: 02/16/2024 MELT DATE: 02/15/2024 Cert. No.: 85776254 / 040574L316	S O L D T O	American Highway 190 RESOURCE DR FERNLEY NV US 89408-8921 7759002758 9093731785	S H I P T O	American Highway 2150 S Route 45 52 Kankakee IL US 60901-7200 8159363300	Delivery#: 85776254 BOL#: 75925139 CUST PO#: 118138 CUST P/N: DLVRY LBS / HEAT: 44136.000 LB DLVRY PCS / HEAT: 234 EA
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Characteristic	Value	Characteristic	Value	Characteristic	Value
C	0.26%	Bend Test 1	Passed	The Following is true of the material represented by this MTR: *Material is fully killed and is Hot Rolled Steel *100% melted, rolled, and manufactured in the USA *EN10204:2004 3.1 compliant *Contains no weld repair *Contains no Mercury contamination *Manufactured in accordance with the latest version of the plant quality manual *Meets the "Buy America" requirements of 23 CFR635.410, 49 CFR 661 *Warning: This product can expose you to chemicals which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov	
Mn	0.72%	Yield Strength test 2	73.1ksi		
P	0.012%	Yield Strength test 2 (metric)	504.20MPa		
S	0.020%	Tensile Strength test 2	93.8ksi		
Si	0.19%	Tensile Strength 2 (metric)	646.90MPa		
Cu	0.40%	Tensile to Yield ratio test2	1.28		
Cr	0.15%	Elongation test 2	19%		
Ni	0.12%	Elongation Gage Lgth test 2	8IN		
Mo	0.038%	Uniform Elongation test 1	12.8%		
V	0.002%	Bend Test 2	Passed		
Sn	0.009%				
Carbon Eq A706	0.41%				
Yield Strength test 1	72.8ksi				
Yield Strength test 1 (metric)	502MPa				
Tensile Strength test 1	93.5ksi				
Tensile Strength 1 (metric)	645MPa				
Elongation test 1	19%				
Elongation Gage Lgth test 1	8IN				
Tensile to Yield ratio test1	1.28				

REMARKS :



CMC STEEL TENNESSEE
1919 Tennessee Avenue
Knoxville TN 37921-2686

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We hereby certify that the test results presented here
are accurate and conform to the reported grade specification

Jim Hall
Quality Assurance Manager

HEAT NO.: 7040573
SECTION: ROUND
1-1/4x45'2" A615/A706-Gr60; M227Gr80
GRADE: A615/A706-Gr60/Gr40; M227 Gr80
ROLL DATE: 02/16/2024
MELT DATE: 02/15/2024
Cert. No.: 85774823 / 040573L316

S American Highway
O
L 190 RESOURCE DR
D FERNLEY NV
US 89408-8921
T 7759002758
O 9093731785

S American Highway
H
I 2150 S Route 45 52
P Kankakee IL
US 60901-7200
T 8159363300
O

Delivery#: 85774823
BOL#: 75923019
CUST PO#: 118138
CUST P/N:
DLVRY LBS / HEAT: 36780.000 LB
DLVRY PCS / HEAT: 195 EA

Characteristic Value

C 0.28%
Mn 0.68%
P 0.008%
S 0.011%
Si 0.21%
Cu 0.41%
Cr 0.13%
Ni 0.12%
Mo 0.039%
V 0.001%
Sn 0.009%
Carbon Eq A706 0.42%

Yield Strength test 1 72.2ksi
Yield Strength test 1 (metric) 498MPa
Tensile Strength test 1 94.4ksi
Tensile Strength 1 (metric) 651MPa
Elongation test 1 19%
Elongation Gage Lgth test 1 8IN
Tensile to Yield ratio test1 1.31

Characteristic Value

Bend Test 1 Passed
Yield Strength test 2 71.8ksi
Yield Strength test 2 (metric) 495.00MPa
Tensile Strength test 2 94.0ksi
Tensile Strength 2 (metric) 648.30MPa
Tensile to Yield ratio test2 1.31
Elongation test 2 20%
Elongation Gage Lgth test 2 8IN
Uniform Elongation test 1 12.8%
Bend Test 2 Passed

Characteristic Value

The Following is true of the material represented by this MTR:
*Material is fully killed and is Hot Rolled Steel
*100% melted, rolled, and manufactured in the USA
*EN10204:2004 3.1 compliant
*Contains no weld repair
*Contains no Mercury contamination
*Manufactured in accordance with the latest version
of the plant quality manual
*Meets the "Buy America" requirements of 23 CFR635.410, 49 CFR 661
*Warning: This product can expose you to chemicals which are
known to the State of California to cause cancer, birth defects
or other reproductive harm. For more information go
to www.P65Warnings.ca.gov

REMARKS :



Sherwin Williams

CERTIFICATION of COMPLIANCE

Date: 04/02/2024

Specification: ASTM A775, ASTM A1078, ASTM A884, AASHTO M284, AASHTO M254

SHERWIN WILLIAMS dba Valspar Product Code: 720A009 (Epoxy Powder for Coating)

Batch Number: CH0154NC

Production Date: 02/02/2024 (Expiration is 6 months post-production date)

Batch Size: 41,400 lbs.

I hereby certify that the above lot of material was manufactured to formulation, meeting all the requirements of the above specifications and that this material is chemically the same material that was tested by Valley Forge Laboratories of Devon, PA. or Wiss, Janney, Elstner Associates of Northbrook, IL. The individual signing below has the legal authority to bind Sherwin Williams to the material.

LaDawnya C Turner, PQM
Name and Title
[Signature]
Signature
04/03/2024
Date

10300 Claude Freeman Drive
Charlotte, NC 28262
Phone: (704) 548-2820
Fax: (704) 547-0634

State/Commonwealth NC County of Mecklenburg
On this the 3rd Day of April, 2024, before me Malika L. Nelson
Day Month Year Name of Notary Public

The undersigned Notary Public, personally appeared LaDawnya C Turner ☐ personally known to me
Name(s) of Signer(s)



To be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he/she/they executed the same for the purposes therein stated.

Witness my hand and official seal
Malika L. Nelson
Signature of Notary Public

Other Required Information (Printed Name of Notary, Residence, etc.)

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