Maryland Inspection Report

U.S. Department of Transportation
Federal Highway Administration

DIVISION	REPORT NO.	DATE OF INSPECTION	DATE OF REPORT	STATE #	BA4625280
Maryland	1	5/19/15	5/27/15	FEDERAL #	AC-NHPP-G-695-6(371)N

DATE CONTRACT STARTED	COMPLETION DATE	OWNER ACCEPTANCE DATE	COUNTY
11/4/2013	6/1/2016	N/A	Baltimore
CONTRACT TIME 940 CD	TIME EXTENSIONS N/A	TIME ELAPSED 561 CD	TIME ELAPSED 59.36%
		DBE GOAL	TRAINING POSITIONS 0
CONTRACT AMOUNT $22,422,000.00	FUNDS EXPENDED 45.66%	NO. OF CHANGE ORDERS 5	AMOUNT OF CHANGE ORDERS $88,830.77

PROJECT TITLE AND LOCATION
I-695 bridge replacement over Milford Mill Road

FHWA INSPECTOR(S)	IN COMPANY WITH
Blair Jones, Area Engineer-FHWA	Sumalka Wegodapola- SHA RCE, District 4
PROJECT ENGINEER/MANAGER Kirit Patel-Project Engineer, SHA	CONTRACTOR American Infrastructure-MD Inc. (Allan Myers)
PROGRESS OF WORK Unsatisfactory☐ Satisfactory X	QUALITY OF WORK Unsatisfactory☐ Satisfactory X

☐Process Review/Product Evaluation ☐ Inspection In-Depth X Progress ☐Final ☐Final Acceptance

Project Scope:

The I-695 bridge replacement over Milford Mill Road is a project that includes total replacement of the Inner Loop and Outer Loop bridges that carry I-695 over Milford Mill Road. The project also includes road widening, drainage upgrades, retaining walls, noise barriers, curb& gutter and sidewalks, sign structures, milling and overlay, lighting, safety enhancements, and beautification. The project will improve ride quality, increase roadway capacity and safety, enhance sidewalk areas including ADA compliance, and add landscaping features.

Purpose of Inspection:

The purpose of this visit was to assess the overall progress of work.

Project Status:

- **Recent Work Completed:**
  - Retaining walls for stage 2 IL bridge approaches
  - Concrete deck for stage 2 IL bridge
- **Work in Progress/Construction Activities Observed:**
  - Retaining walls and backfill for stage 2 OL bridge approaches
  - Noise barrier caisson drilling and reinforced concrete backfill
  - Drainage work
  - Preparations for stage 2 OL deck pour

- **Upcoming Work:**
    - Excavation, embankment, grading for stage 2 OL approaches
    - Stage 2 OL bridge deck and parapet pours
    - Drainage work
- **Work Zone Safety**: No issues found. All drop-offs and other hazards were located behind temporary barricades inside the work zones.
- **Maintenance of Traffic**: No major issues found. Some of the delineators on the temporary barricades need to be replaced.

Inspection Observations:

1. The following documentation was reviewed at the day of the inspection:
    a. OJT documentation
    b. E&S reports
    c. Job permits
    d. Latest CPM update
    e. MOT reports
    f. Liability insurance policy
2. MMS material clearance is currently 100%.
3. Some of the E&S controls seem to need cleaning or repairing. Kirit has already directed the Contractor to do so as soon as possible.
4. Several of the delineators on the temporary barriers were missing. Kirit informed me that vandalism has been an ongoing issue with these and other project items.
5. Many of the required jobsite posters were missing.

Photos/Figures:

I-695 stage 2 IL bridge looking South

Caissons for IL Noise Barrier looking North

I-695 stage 2 OL approach looking South

Underneath I-695 stage 2 IL bridge looking North

Findings and Recommendations:

Overall, the project progress appears to be in accordance with the Contract Plans and Specifications. The work that has been completed looks acceptable and the work is progressing as scheduled.

MOT looked good today; continue to stay on Contractor about following TCP as it is best for everyone's safety.

E&S controls looked mostly adequate, with some repair or cleaning needed for a few areas. Continue to monitor the controls and notify the Contractor when repairs are needed.

Please replace missing delineators on the temporary barricade when possible.

Have the contractor display all required job posters as soon as possible.

As this is a Project of Division Interest (PoDI) in which FHWA indicated its involvement in all project actions, Change Orders will require FHWA approval per 23 CFR 635.120. Letting FHWA know about any issues that may lead to a change order in advance will decrease the amount of time necessary to review and approve the COs.

cc:

Bruce Cain – SHA Area Engineer, District 4
Sumalka Wegodapola – SHA RCE
Jitesh Parikh - FHWA Project Delivery Team Leader
Lourdes Castaneda – FHWA Project Delivery Acting Team Leader

FHWA Maryland Division - Construction Inspection Checklist

FPN(s): AC-NHPP-G-695-6(371)N / BA 4625280
County: Baltimore
Type of construction: Bridge Replacement
Scope of the project: bridge replacement, road widening, drainage upgrades, retaining walls, noise barriers, curb+gutter, sidewalks, sign structures, mill + overlay, lighting, landscaping

NTP	11/4/13
Date of Inspection	5/19/15
Preconstruction Meeting	9/30/13
Schedule Approved	1/6/14
Updated Schedule	#17 5/13/15
% Complete	45.66 %
Completion date	6/1/16
% Time Expired	59.36 %
Award Amount	$22,422,000.00
Current Contract Estimate	#18 $10,256,886.46

SHA Employee: Name Kirit Patel Title PE

FHWA Employee: Name Blair Jones Title Area Engineer

Name _____ Title _____

Section/ Area	CONSTRUCTION ACTIVITIES/ QUESTIONS that can be observed may include the following:
1	**Work Zone Traffic Control**
	A *Traffic Control Plan (TCP)*
	Traffic control devices installed in accordance with Traffic Control Plan? Yes
	Traffic control devices are clean and well maintained? Yes
	Is the overall traffic control set up effective? Was an issue with right lane IL queues but Dist 4 traffic proposed a correction that was implemented and has alleviated the issue
	Are drivers provided adequate information? Yes, with the correction in place
	Travel way is well delineated? Yes
	If changes have been made, are they appropriate and have they been approved by SHA? Change was suggested by Dist 4 traffic; Contractor requested exception for barrier on IL that was approved
	Are changes to the TCP documented? Yes
	B *Speed Reduction*
	Is advance notice of speed reduction effective? N/A
	Is traveling speed higher or lower than work zone speed limit? Much higher? No, but a speed camera is onsite to enforce posted speed limit
	C *Lane Closure*
	Is advance notice of lane closure effective? Yes
	Are long queues or delays experienced in work zone? Issue in IL right lane now resolved, no other delays
	D *Temporary Concrete Barrier*
	Are temporary concrete barrier segments properly pinned? Yes
	Are end treatment installed or 'clear zone established'? Yes

	Are delineators properly placed on barrier for channelization (color, spacing)? Few are missing - Kirit said vandalism is ongoing issue
	E *Construction Signing (Must followed TCP, used standard type, etc.)*
	Are advance construction zone signs in place? Yes
	Are conflicting permanent signs properly treated (masked, turned and/or removed)? Yes
	Have temporary signs been removed or covered when not needed? Yes
	Are construction signs and devices visible day and night? Yes
	Satisfactory condition (clean, readable, no wear/tear/wrinkling/bowing) Yes
	F *Traffic Control Devices (Must use standard devices, adequate sight distance, correct indication/display, etc.)*
	Are arrowboards properly located? Yes
	Are changeable message signs properly placed and do they give a clear message? Yes
	Use of temporary impact attenuation devices (properly installed/located)? Yes
	G *Pavement Marking (Look for proper alignment, correct skip size/space, standard markings, etc.)*
	Are all old conflicting pavement markings properly removed? Yes
	H *Roadside (Pavement drop-off must be in compliance with standards or special provisions.)*
	Are vertical drop-offs properly marked? N/A
	Could existing drop-offs be eliminated or mitigated? N/A
	I *MOT Ratings*
	Maintenance of traffic is reviewed daily by project personnel? Yes Follow-ups on findings are made? Field corrections documented? Yes, immediate; corrections in IDR MOT Rating: B

2	**CPM (Baseline, Updates)**
	Has the baseline schedule been approved and/or updated? Yes and yes
3	**Contract Change Orders (CO's)**
	To date, how many CO's have been issued for this project? What are the related issues? 5 change orders: 1st was to add missing items, 2nd added vibration monitoring due to resident complaints, 3rd added end treatment repair and grinding, 4th was E+S penalty, 5th was storm drain cleaning + landscaping plantings
	Were there any CO's that might cause an environmental issue? Yes, but fell into scope of existing permits and was within LOD
	Were all CO's within the intent of the original scope of the work? Yes
	Did any CO's include work outside the project limits? No
	Was a proprietary item added? No
	Did any CO's include non-eligible work (e.g.: routine maintenance)? If yes, how were the items funded? Yes - storm drain cleaning + storm event cleanup shown as 90% NHPP funded in CO 13 - follow up with Lourdes, then Jim O
4	**Job Site Posters**
	Are the Federal posters posted for every worker to see at, or near, the contractor's office at the construction site, or at the contractors' central gathering point for workers?
	Poster(s) to observe: ☑ Equal Opportunity is the Law (OF CCR 1420)
	☑ Contractor's EEO policy statement
	☑ Letter appointing contractor's EEO officer for project
	☑ Notice - Federal Aid Projects (FHWA 1022)

→	☐ Wage Rate Information (FHWA 1495)
	☑ Notice to Employees (WH 1321)
→	☐ Actual wage rates
→	☐ Job Safety & Health Protection (OSHA 3165)
→	☐ Emergency phone numbers
→	☐ Your Rights - Federal Minimum Wage (WH 1088)
→	☐ Notice to Workers with Disabilities Paid at Special Minimum Wages (WH 1284)
	☑ Your Rights under the Family and Medical Leave Act of 1993 (WH 1420)
	☑ Notice: Employee Polygraph Protection Act (WH 1462)
	☑ Water quality related information (Example: NPDES Notice of Intent)
5	**Federal Training Requirements**
	Are training requirements included in the contract? Yes
	What was the contract OJT goal? 4 What is the contract's OJT goal? 4 Is there documentation to show that the contractor and/or subcontractors are meeting the apprenticeship (training) goal? 2 are finished, 2 in progress; yes it is documented
6	**Prompt Payment**
	Are the subcontractor prompt payment requirements in the contract? Are they being followed? Yes and yes
	Are there complaints by DBE or subcontractors? No
7	**Safety**
	Is there any injury/fatal/non-fatal accidents reported within the construction zone? Yes, early 2014 there was a right shoulder closure on IL for temporary mulching and a passing truck with a plow hit the temporary barrier which then struck and killed a laborer; Aug '14, 2 accidents by Contractor with injuries, 1 at bridge and 1 at retaining wall

8	**Environmental Commitments**
	Are there environmental commitments on the project? Only TOY restrictions
	If there are environmental commitments on the project, is there an action plan to work with the Contractor to commit to these requirements? Contractor has abided by TOY restrictions
	Is the construction project adhering to the mitigation requirements in the environmental document? How? Contractor requested and was granted an extension for TOY, finished before extension expired
	Are water quality control, erosion control, dust control, pollution controls on material sites, batch plants and equipment being addressed? Yes
9	**Permits**
	Are permits approved? MDE 10/3/13 NPDES 10/23/13 revised 1/1/15 SWM 6/24/13 Water Reappropriation 8/27/14 Wetland 6/24/13 E+S Control 6/24/13
10	**Erosion and Sediment Control Plan**
	Is the E&S plans approved? Date? Yes but original approved/stamped plans not in the field office - follow up on this Was it before construction started? Yes
	How are the E&S plans being monitored? Weekly inspections, any changes submitted/approved by MDE via OOC-62 form
	Are Erosion & Sediment Control weekly reports on file? E&S Rating: A Yes (got F grade + MDE shutdown but corrections were made)
	Erosion and sediment control devices are installed properly and are well maintained? Yes, mostly - few problem areas
	Contract specific environmental requirements are in compliance? Yes
	Environmental permits are available onsite? Yes

11	**Utility/ROW**
	Are there any current utility/ROW delay(s)? No Are relocations adequate? Yes
12	**Public Notification**
	Have news release notices been sent out notifying the public of construction activities taking place? Yes, VMS onsite and District + HQ PR gets 1 week notice for planned activities
13	**Liability Insurance**
	Is the company insured? Coverage dates? Yes, 9/12/13 - present What does it includes? General Liability, Auto, Umbrella, Worker's Comp

Progress of Work:

See attached report from PE

Reviewed:

- ☐ Plans & Specifications
- ☑ OJT
- ☐ Accident Reports
- ☑ Change Orders
- ☑ Erosion and Sediment Control
- ☐ _____
- ☐ _____
- ☐ _____
- ☑ Permits
- ☐ Project Schedule
- ☐ Project Diary/Inspector's Daily reports
- ☑ MOT
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

14	**Notes**
	Meet at Milford Mill Gwynns Falls Trail on Milford Mill Rd right next to bridge for 5/20/15 visit Progress mtgs are last Thursday of each month - asked Kirit to forward mtg invite
15	**Follow-up**
	I need to provide PE with materials for job posters Discussion with district and OOC personnel needed for E+S plans on this and other projects Keep on Contractor for MOT and E+S controls maintenance

BA4625280

Replacement of Bridge on I-695 at Milfrod Mill Rd. in Baltimore County

General summary:

A) - Contract Value: $ 22,422,000.00

B) - Contractor: American Infrastructure-MD Inc.

C) - Advertised: June 25, 2013

D) - Bid Opening: Aug. 08, 2013

E) - Notice of Award: Sept. 05, 2013

F) - Pre. Con. Meeting: Sept. 30, 2013

G) - Notice To Proceed: On or before Nov. 04, 2013 (Issued on Dt: 09/30/2013)

H) – Original Time: Date: June 01, 2016 (940 days)

I) - MDE permit# 11-SF-0368 (Sept. 27, 2013)

J) - Red Line #1: 11/04/'13; RL#2: 06/20/'14; RL#3: 11/07/'14.

K) - Change Order: $ 88,830.77

L) - Current Contract cost: $ 22,465,830.77

M) - DBE Goal: 16.0 %

N) - Trainee: 4 (four)

O) - % ge Time Complete: 59.36 %

P) - % ge Work Complete: 45.66 %

(Q)- Partnering Average Rating: 2.7

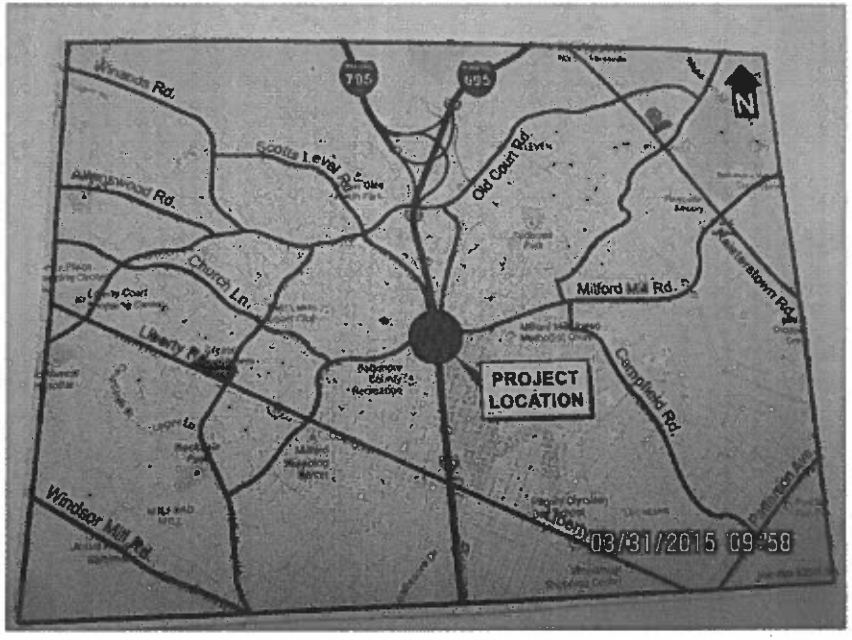
PROJECT TITLE:	Replacement of Bridge at I-695 over Milford Mill Rd.		
PROJECT NO.:	**BA 4625280**	CONTRCR:	**AMERICAN INFRASTRUCTURE**
DESIGN/BID/BUILD	X	PROJECT ENG.:	**KIRIT PATEL (443-334-5123)**
DESIGN/BUILD		DATE:	**05/18/2015**

PLC	X	DATE OF LAST PLC UPDATE :	05-18-2015

	TOTAL BID COST ($)	TOTAL CHANGE ORDERS ($)	* CONTRACT AMOUNT REMAINING ($)
LAST REVIEW	**$22,422,366.26**	**$45,366.26**	**$13,290,928.07**
CURRENT	**$22,465,830.77**	**$88,830.77**	**$12,208,944.31**

ISSUES / COMMUNITY CONCERNS

	CURRENT GRADE
MOT	**B**
E&S	**A**



VICINITY MAP

MILESTONE DATES	LAST REVIEW	CURRENT REVIEW
AD DATE	**06/25/2013**	**06/25/2013**
NTP	**11/04/2013**	**11/04/2013**
EST. OPEN TO TRAFFIC	**N/A**	**N/A**
COMPLETION	**05/16/2016**	**06/14/2016**
TOT. # OF CONTRACT DAYS	**940**	**940**
CONTRACT DAYS EXPENDED	**512**	**558**
** % WORK COMPLETE	**40.72%**	**45.66%**

* Current contract amount less installed work paid to date.

** Installed work to date divided by current contract amount.

CURRENT PROGRESS:	**Stage-2** •Retaining Wall S-2 on OL setting panels and backfill #57 stone • S-6 Noise Barrier Caisson drilling and Brackets • 90" pipe at wall S-5 collar need to pour • Deck pour preparation for I-695 OL, stage-2
PLANNED ACTIVITIES FOR THE NEXT 3 MONTHS:	**Stage-2** • Class-I excavation, embankment & grading GAB on I-695 OL (S/E & NE) • Deck and Parapet pour for OL (stage-2) • Retaining Wall S-2 OL panels, coping and Fence. • Caisson drilling for S-6 Noise barrier, Brackets and precast panels • fence at top of wall-S3 • Storm drain on I-695 IL north

CONSTRUCTION PHOTOS

Insurance file
ISA 4625260.

AMERINF-01 REED

ACORD CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 9/12/2013

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER (215) 567-6300 The Graham Company The Graham Building 1 Penn Square West Philadelphia, PA 19102	CONTACT NAME: James H. Bonner PHONE (A/C, No, Ext): (215) 567-6300 5294 FAX (A/C, No): 215-525-0234 E-MAIL ADDRESS: BONNER_Unit@grahamco.com
INSURED American Infrastructure - MD, Inc. d/b/a American Infrastructure 2011 Belair Road Fallston, MD 21047-	INSURER(S) AFFORDING COVERAGE — NAIC # INSURER A: Liberty Mutual Fire Insurance Company — 23035 INSURER B: Starr Indemnity & Liability Company — 38318 INSURER C: Liberty Insurance Corporation — 42404 INSURER D: — INSURER E: — INSURER F: —

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY [X] COMMERCIAL GENERAL LIABILITY [ ] CLAIMS-MADE [X] OCCUR [X] XCU Coverage GEN'L AGGREGATE LIMIT APPLIES PER: [ ] POLICY [X] PRO-JECT [ ] LOC			TB2631510067022	12/31/2012	12/31/2013	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 2,000,000 $ 300,000 $ 10,000 $ 2,000,000 $ 4,000,000 $ 4,000,000
A	AUTOMOBILE LIABILITY [X] ANY AUTO [ ] ALL OWNED AUTOS [ ] SCHEDULED AUTOS [ ] HIRED AUTOS [ ] NON-OWNED AUTOS			AS2631510067032	12/31/2012	12/31/2013	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (PER ACCIDENT)	$ 2,000,000 $ $ $
B	[ ] UMBRELLA LIAB [X] OCCUR [X] EXCESS LIAB [ ] CLAIMS-MADE [ ] DED [ ] RETENTION $			SISCCCL01694312	12/31/2012	12/31/2013	EACH OCCURRENCE AGGREGATE	$ 10,000,000 $ 10,000,000
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N [ ] If yes, describe under DESCRIPTION OF OPERATIONS below	N/A		WA763D510067012	12/31/2012	12/31/2013	[X] WC STATU-TORY LIMITS [ ] OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ 1,000,000 $ 1,000,000 $ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

AI-MD Job #1325152

RE: Replacement of Bridge No. 031400 on I-695 over Milford Mill Road in Baltimore Co., MD

State Highway Administration is added as an Additional Insured on the General Liability Policy if required by written contract with respect to work performed by the Named Insured.

CERTIFICATE HOLDER

State Highway Administration
7450 Traffic Drive
Hanover, MD 21076-

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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On 12-11-13 informed Mr. Joe H. & Mr. Mike W. of the

STATE HIGHWAY ADMINISTRATION

SUBJECT: CONTRACT NO. **BA4625280** DATE: **September 26, 2013**

Attached is a Certificate of Insurance provided by the Contractor in connection with the subject contract.

CONTRACTOR

American Infrastructure-MD, Inc.
D/B/A American Infrastructure

CONTRACT DURATION

05/31/2016

INSURANCE COMPANY

Liberty Mutual Fire Insurance Co.
Starr Indemnity & Liability Company
Liberty Insurance Corporation

INSURANCE AGENT

The Graham Company
James Bonner & William Graham IV
215-567-6300 x5294

RESPONSE

Please be advised that the named insurance carrier (V) is ( ) is not licensed to do business in the State of Maryland. Unless otherwise noted, the Certificate of Insurance appears to be satisfactory.

COMMENT OR IRREGULARITY

Teresa VanKirk

Teresa VanKirk, Chief
Contracts Award Team

Cc: Jesse Free
File

AMERINF-01 REED

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 12/30/2014

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A	AUTOMOBILE LIABILITY X ANY AUTO ALL OWNED AUTOS SCHEDULED AUTOS HIRED AUTOS NON-OWNED AUTOS			AS2631510067034	12/31/2014	12/31/2015	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (PER ACCIDENT)	$ 2,000,000 $ $ $
B	UMBRELLA LIAB X OCCUR X EXCESS LIAB CLAIMS-MADE DED RETENTION $			1000021455	12/31/2014	12/31/2015	EACH OCCURRENCE AGGREGATE	$ 10,000,000 $ 10,000,000
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? Y / N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	N / A		WA763D510067014	12/31/2014	12/31/2015	X WC STATU-TORY LIMITS OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ 1,000,000 $ 1,000,000 $ 1,000,000

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State Highway Administration
7450 Traffic Drive
Hanover, MD 21076-

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AUTHORIZED REPRESENTATIVE

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STANDARD INSPECTION FORM FOR MARYLAND DEPARTMENT OF THE ENVIRONMENT GENERAL PERMIT FOR STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITY

General Information			
Project Name	I-695 OVER MILFORD MILL		
Permittee	SHA DIST 4		
Permit Number	11-SF-0368	**Date of Inspection**	5-14-15
Start Time	10:00 Am	**End Time**	11:00 Am.
Inspector's Name(s)			
Responsible Personnel Certification # (required under Part IV.C.1)	4900 / Justin Smith		
Inspector's Contact Information	410 404 1626		
Date Earth Disturbance Began			
Describe present phase of construction	☐ Clearing/Grubbing ☐ Rough Grading ☐ Infrastructure ☐ Demolition ☑ Building Construction ☐ Final Grading ☐ Final Stabilization Notes:		
Type of Inspection (check all that apply): ☑ Weekly routine ☐ Pre-storm event ☐ During storm event ☐ Post-storm event ☐ Due to a discharge of significant amounts of sediment ☐ Monthly for stabilized areas; list phases/lots stabilized:			
Has there been a storm event since the last inspection? ☐ Yes ☑ No **If yes, provide:** Storm Start Date & Time: Storm Duration (hrs): Approximate Amount of Precipitation (in):			

Permit Coverage and Plans				
	Subject	**Status**	**Corrective Action Needed and Notes**	**Date Corrected**
1	Was an NOI submitted for all disturbed acres?	☑Yes ☐No		
2	Is the permittee listed above still in control of permitted activities at the site? (If no, submit a Transfer of Authorization form to MDE via ePermits)	☑Yes ☐No		
3	Do the approved plans reflect current site conditions?	☑Yes ☐No		
4	Are the approved E&S and SWM plans maintained at the site?	☑Yes ☐No		
5	Have the E&S or SWM plan approvals expired?	☐Yes ☑No		
5	Are the NOI, permit documents, and all inspection reports and enforcement actions on file at the site, and a notice of permit coverage posted?	☑Yes ☐No		
6	Is the site permanently stabilized, temporary erosion and sediment controls are removed or set to be removed, and stormwater discharges from construction activity are eliminated?	☐Yes ☑No		

Permit Coverage and Plans				
	Subject	**Status**	**Corrective Action Needed and Notes**	**Date Corrected**
7	If #6 is Yes, has a Notice of Termination been submitted to MDE?	❑Yes ☑No		
8	Are all discharges composed entirely of stormwater or as authorized by the permit?	❑Yes ❑No		

Discharge of significant amounts of sediment			
Subject		**Status**	**Notes**
Is there evidence of the discharge of significant amounts of sediment to surface waters, or conveyance systems leading to surface waters?		❑Yes ❑No	
If "yes" is checked above, have all applicable notification requirements in Part IV.B of the General Permit been met?		❑Yes ❑No	
A discharge of significant amounts of sediment may be indicated by (but is not limited to) observations of the following. Note whether any are observed during this inspection:			
1	Earth slides or mud flows	❑Yes ❑No	
2	Concentrated flows of stormwater such as rills, rivulets or channels that cause erosion when such flows are not filtered, settled or otherwise treated to remove sediment	❑Yes ❑No	
3	Turbid flows of stormwater that are not filtered, settled or otherwise treated to reduce turbidity	❑Yes ❑No	
4	Deposits of sediment at the construction site in areas that drain to unprotected stormwater inlets or catch basins that discharge directly to surface waters	❑Yes ❑No	
5	Deposits of sediment from the construction site on public or private streets outside of the permitted construction activity	❑Yes ❑No	
6	Deposits of sediment from the construction site on any adjacent property outside of the permitted construction activity	❑Yes ❑No	
7	Discharges from the construction site to municipal conveyances, curbs and gutters, or streams running through or along the site where visual observations show that the discharges differ from ambient conditions in terms of turbidity so as to indicate significant amounts of sediment present in them	❑Yes ❑No	

BMPs						
	BMP/activity (some recommended items to check included below)	**Installed/Implemented?**	**Maintenance Required?**	**Location**	**Corrective Action Needed and Notes (note any BMPs required by plans but not yet installed)**	**Date Correction Completed**
1	Temporary stabilization - in accordance with 26.17.01.07(B)(6)(f)	☐Yes ☑No	☑Yes ☐No	N.E Quad I-695 I/L rt MH-5 to MH-6	Other Areas Near this location.	
2	Permanent stabilization - in accordance with 26.17.01.07(B)(6)(f)	☐Yes ☑No	☐Yes ☑No			
3	Stockpile protection - check for stabilization, silt fence or other controls	☑Yes ☐No ☐Not Used	☐Yes ☑No			
4	Are natural resource areas (e.g., streams, wetlands, mature trees, etc.) protected with barriers or similar BMPs?	☑Yes ☐No	☐Yes ☑No			
5	Silt fence - check for proper installation including toeing in, stakes and supports, gaps and tears, and sediment buildup	☑Yes ☐No ☐Not Used	☑Yes ☐No	Site wide	Fix Holes, Post's, Tension Wires.	
6	Check dams, dikes, and diversion ditches	☑Yes ☐No ☐Not Used	☐Yes ☑No			
7	Storm drain inlet protection - check for gaps, tears, sediment buildup	☑Yes ☐No ☐Not Used	☑Yes ☐No	Scotts Hill rd	replace Clogged gutter gaurds.	
8	Construction entrance - check for trackout, soil buildup on entrance	☑Yes ☐No	☑Yes ☐No		~~Rehab SCE~~ / Fix SCE @ Scotts Hill and Scotts level.	

BMPs						
	BMP/activity (some recommended items to check included below)	**Installed/Implemented?**	**Maintenance Required?**	**Location**	**Corrective Action Needed and Notes (note any BMPs required by plans but not yet installed)**	**Date Correction Completed**
9	Sediment basins/traps - check for sediment buildup, erosion, proper outlet structures	☑Yes ☐No ☐Not Used	☐Yes ☑No			
10	Outfall protection - check for erosion, sediment	☑Yes ☐No ☐Not Used	☐Yes ☑No			
11	Is trash/litter from work areas contained to prevent discharge to surface waters?	☑Yes ☐No	☑Yes ☐No		Pick up Trash and Put in Dumpster.	
12	Are washout facilities (e.g., paint, stucco, concrete) available, clearly marked, and maintained?	☑Yes ☐No	☑Yes ☐No		Fix Concrete Washout to be per Ets Detail.	
13	Are vehicle and equipment fueling, cleaning, and maintenance areas free of spills, leaks, or any other deleterious material?	☑Yes ☐No	☐Yes ☑No			
14	Are materials that are potential stormwater contaminants stored inside or under cover?	☑Yes ☐No	☐Yes ☑No			
15	Are non-stormwater discharges (e.g., wash water, dewatering) properly controlled?	☑Yes ☐No	☐Yes ☑No		Clean up Sediment @ the S-3 Dewatering area	
16	(Other)	☐Yes ☐No	☐Yes ☐No			

STATE HIGHWAY ADMINISTRATION
EROSION AND SEDIMENT CONTROL FIELD INVESTIGATION REPORT

DISTRICT: 4 COUNTY: Baltimore CONTRACT NO: BA4625280
DATE & TIME OF INSPECTION: May 14 2015
PROJECT DESCRIPTION: I-695 I/L + O/L ct.
CONTRACTOR: American Infrastructure / Allan Myers.
NOI/PERMIT # 11-SF-0368
INSPECTORS NAME AND GC CERTIFICATION # 49001 Justin Smith

SITE STATUS: ☑ CURRENTLY ACTIVE ☐ CURRENTLY INACTIVE
PHASE OF CONSTRUCTION ☐ CLEAR & GRUB ☐ GRADING ☐ FINAL STABILIZATION
☐ AS-BUILTS SUBMITED ☐ NOT SUBMITED
SITE CONDITION: ☐ COMPLIANCE ☑ NEEDS CORRECTIONS ☐ NON-COMPLIANCE
REASON FOR INSPECTION: ☑ WEEKLY INVESTIGATION ☐ PRE-STORM ☐ POST-STORM ☐ OTHER
STORM EVENT SINCE LAST REPORT ☐ YES ☐ NO
DATE & TIME _____ DURATION _____ AMOUNT _____

1. IS PROJECT IN SCOPE? * If No, Project is automatically in non-compliance.	Y	N	N/A
* 1.1 Have all appropriate permits and approvals been obtained (SHA/Contractor)?	☑	☐	
* 1.2 Are specified LOD, wetlands, buffers, jurisdictional waters, floodplains and/or tree protection areas demarcated and disturbed areas contained within the LOD (active work areas)?	☑	☐	
* 1.3 Is the project in conformance with the E&S plan, schedules and contract documents?	☑	☐	
1.3.1 Are sediment controls in place prior to disturbing areas of intended control?	☑	☐	☐
1.3.2 Are controls removed with MDE approval? None have been removed.	☐	☐	☑
1.4 Have all changes been approved to date including stream crossings/diversions?	☑	☐	☐
1.5 Have approved changes been implemented?	☑	☐	☐
1.6 Are the ESCM duties in compliance with specification 308.03.03	☐	☑	☐
1.7 Are stockpiles/staging/waste areas approved?	☐	☐	☐
1.8 Is grading limited to maximum grading unit?	☑	☐	☐
1.9 Are roadways clear of sediment?	☐	☑	☐
NPDES - The following question are also applicable when the project has 1 acre or more of disturbance			
1.10 Is trash collected and placed in a covered dumpster?	☐	☑	☐
1.11 Are washout facilities (concrete, paint, etc.) clearly marked, maintained and wash water properly contained?	☐	☑	☐
1.12 Are fuel containers and vehicle maintenance areas free of spills, leaks or any other deleterious material?	☑	☐	☐
1.13 Are materials that are potential stormwater contaminants stored inside or under cover?	☑	☐	☐
1.14 Is there evidence of the discharge of significant amounts of sediment (See definitions below) to surface waters, or conveyance systems leading to surface waters?	☐	☐	☐
1.15 Have required notifications (to MDE) been complied with? (Triggering Event, Upset, Bypass)	☐	☐	☐

Definition of significant amount of sediment *A discharge of significant amounts of sediment may be indicated by (but is not limited to) observations of the following. Note whether any are observed during this inspection:*

1. Earth slides or mud flows
2. Concentrated flows of stormwater such as rills, rivulets or channels that cause erosion when such flows are not filtered, settled or otherwise treated to remove sediment
3. Turbid flows of stormwater that are not filtered, settled or otherwise treated to reduce turbidity
4. Deposits of sediment at the construction site in areas that drain to unprotected stormwater inlets or catch basins that discharge directly to surface waters
5. Deposits of sediment from the construction site on public or private streets outside of the permitted construction activity
6. Deposits of sediment from the construction site on any adjacent property outside of the permitted construction activity
7. Discharges from the construction site to municipal conveyances, curbs and gutters, or streams running through or along the site where visual observations show that the discharges differ from ambient conditions in terms of turbidity so as to indicate significant amounts of sediment present in them

Project Engineer / Inspector: _____ DATE: 5-14-15

ORIGINAL: Project Engineer cc: District Engineer Contractor

2. ARE CONTROLS PROPERLY INSTALLED?					3. ARE CONTROLS PROPERLY MAINTAINED?			
Y	N	N/A	2.1	**Water handling**	3.1	Y	N	N/A
☑	☐	☐	2.1.1.	Earth Dikes	3.1.1.	☑	☐	☐
☑	☐	☐	2.1.2.	Temporary Swales	3.1.2.	☑	☐	☐
☑	☐	☐	2.1.3.	Perimeter Dike/Swales	3.1.3.	☑	☐	☐
☑	☐	☐	2.1.4.	Diversion Fence	3.1.4.	☑	☐	☐
☐	☐	☑	2.1.5.	Asphalt Berm	3.1.5.	☐	☐	☐
			2.2	**Grade Stabilization Structures**	**3.2**			
☑	☐	☐	2.2.1.	Pipe Slope Drains	3.2.1.	☑	☐	☐
☑	☐	☐	2.2.2.	Rip-rap Inflow Protection	3.2.2.	☐	☐	☐
☑	☐	☐	2.2.3.	Gabion Inflow Protection	3.2.3.	☐	☐	☐
☑	☐	☐	2.2.4.	Stone Check Dams	3.2.4.	☐	☐	☐
			2.3	**Sediment Trapping Devices**	**3.3**			
☑	☐	☐	2.3.1.	Sediment Traps	3.3.1.	☐	☐	☐
☑	☐	☐	2.3.2.	Sediment Basins	3.3.2.	☐	☐	☐
☑	☐	☐	2.3.3.	Stone Outlet Structures	3.3.3.	☐	☐	☐
☑	☐	☐	2.3.4	Gabion Outlet Structure	3.3.4	☐	☐	☐
			2.4	**Dewatering Practices**	**3.4**			
☐	☐	☐	2.4.1.	Removable Pumping Station	3.4.1.	☐	☐	☐
☐	☐	☐	2.4.2.	Sump Pits	3.4.2.	☐	☐	☐
☑	☐	☐	2.4.3.	Portable Sediment Tanks	3.4.3.	☐	☑	☐
☑	☐	☐	2.4.4.	Dewatering Bags	3.4.4.	☐	☑	☐
			2.5	**Filtering Practices**	**3.5**			
☑	☐	☐	2.5.1.	Silt Fence	3.5.1.	☐	☐	☐
☑	☐	☐	2.5.2.	Super Silt Fence	3.5.2.	☐	☐	☐
☑	☐	☐	2.5.3.	Inlet Protection	3.5.3.	☐	☐	☐
☑	☐	☐	2.5.4.	Straw Bale Dike	3.5.4.	☐	☐	☐
☑	☐	☐	2.5.5.	Filter Log	3.5.5.	☐	☐	☐
☐	☐	☑	2.5.6.	Filter Berm	3.5.6.	☐	☐	☐
			2.6	**Land Grading and Structural Stabilization**	**3.6**			
☑	☐	☐	2.6.1.	Stabilized Construction Entrance	3.6.1.	☐	☐	☐
☑	☐	☐	2.6.2.	Rock Outlet Protection	3.6.2.	☐	☐	☐
			2.7	**Miscellaneous Practices**	**3.7**			
☐	☐	☑	2.7.1.	Temp. Access Waterway Crossing	3.7.1.	☐	☐	☐
☐	☑	☐	2.7.2.	Dust Control	3.7.2.	☐	☑	☐
☐	☑	☐	2.7.3.	Onsite Concrete Washout Area	3.7.3.	☐	☑	☐
☑	☐	☐	2.7.4.	Maintenance of Stream Flow	3.7.4.	☐	☐	☐
			2.8	**Special Features**	**3.8**			
☐	☐	☐	2.8.1.		3.8.1.	☐	☐	☐
☐	☐	☐	2.8.2.		3.8.2.	☐	☐	☐
☐	☐	☐	2.8.3.		3.8.3.	☐	☐	☐
☐	☐	☐	2.8.4.		3.8.4.	☐	☐	☐

4. IS STABILIZATION PROVIDED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS?	Y	N	N/A
4.1 Is stabilization provided as specified?			
4.1.1. Temporary mulch	☑	☐	☐
4.1.2. Temporary seed	☑	☐	☐
4.1.3. Permanent seed	☐	☑	☐
4.1.4. Stabilization matting	☑	☐	☐
4.1.5. Sod	☐	☐	☑
4.1.6. Stone	☐	☐	☑
4.1.7. Other	☐	☐	☑
4.2 Is stabilization provided in the specified time frame?			
4.2.1 Same day stabilization	☑	☐	☐
4.2.2. 24 hour stabilization	☑	☐	☐
4.2.3. 72 hours stabilization	☐	☑	☐
4.2.4 7-14 day stabilization	☐	☑	☐
4.2.5 Other	☐	☐	☐
4.3 Is incremental stabilization provided during construction?	☐	☑	☐
4.4 Is the stabilization performing as specified?	☑	☐	☐
4.5 Is vegetation being established?	☑	☐	☐

5-14-15

Item No.	Corrective action needed and notes:	Date Correction Completed:
	N.E. Quad I-695 I/L rt.	
	Clean Curband gutter Scotts Hill, Scotts level and Milford Mill rd.	
	Change Clogged gutter gaurd on Scotts Hill rd.	
	Pick up All trash and place in Dumpster.	
	Replace Temp 15" Pipe@ End of EA. Day Near Caisson #103/102.	
	Concrete Wash out Not per Detail.	
	SSF Along S-5 + S-6 Needs to be Maintained-(Holes post etc.)	
	Sediment deposit behind S-5 wall From S-6 Caisson Dewatering.	
	Recomend use of a Sump pit For dewatering/pump intake.	
	Clean up Sediment From At Dirt bags S-3	
	Remove old Dirt bags. • Maintain OCF @ ROW @ Scotts Hill + S-5	
	Clean out PST.	
	SCE @ Scotts level and Scotts Hill Need to be fixed.	
	Remove trash and Debri @ 96" Pipe (S-7)	
	S.E. Quad. I-695 I/L rt. -	
	Sediment @ EW-3 and ES-1 there is Sediment build up in Rip Rap.	
	Fix rilling and fix rivulets From MH S-1 to MH-6	
	Re Stabilize those Areas.	
	S.W. Quad I-695 O/L rt	
	Clean Curb and gutter Along Scotts level rd.	
	Fix SSF Along S-2 and Scotts level rd	

Item No.	Corrective action needed and notes:	Date Correction Completed: