



THE NEW FREDERICK DOUGLASS MEMORIAL BRIDGE



Frederick Douglass Memorial Bridge Public Meeting
Ward 6
October 28, 2019

AGENDA

- Introductions
- Project Update
 - Ongoing work
 - Upcoming work
- Project Opportunities
- Question & Answers



INTRODUCTIONS

DDOT Team

- Joseph Dorsey – DDOT Program Manager
- Errol Williams – DDOT Project Engineer
- Jon Whitney, PE – HNTB Project Manager
- Navin Jain, PE – HNTB Project Manager
- Cherie Gibson – HNTB Regional Strategic Communications
- Alberta Paul – DDOT Community/Communications
- Kimberly Manning – Project Communications

Design-Build Team

South Capitol Bridgebuilders

A Joint Venture between

Archer Western

Granite Construction

- Dan Horvath – Deputy Project Manager
- Adam Hollon – Bridge Project Manager
- Sean Moore – Community Outreach



PROJECT PURPOSE & NEED

- Improve safety
- Improve multimodal mobility and accessibility along the corridor
- Support economic development within the project area
- Replace the aging Frederick Douglass Memorial Bridge with a signature bridge
- Transform the existing corridor into an urban gateway
- Reconstruct I-295 and Suitland Parkway interchange
- Improve pedestrian, bicyclist and vehicular safety
- Provide landscaping and stormwater improvements to enhance the environment

EXISTING CONDITIONS

Existing Frederick Douglass Memorial Bridge

- 70-Year-Old Structure
- Functionally Obsolete and Structurally Deficient
- 5 Lanes (3 Inbound, 2 Outbound)
- Substandard Sidewalks
- Urban Freeway Characteristics
- Requires Regular, Costly Maintenance and Repairs

I-295 and Suitland Parkway Interchange

- Existing bridges are structurally deficient and functionally obsolete
 - *Firth Sterling Avenue*
 - *Suitland Parkway*
 - *Howard Road*
- Interstate does not meet current design standards
- Partial interchanges at Howard Road, SE and Suitland Parkway, put commuter traffic on local streets



**Existing Frederick Douglass
Memorial Bridge**



**I-295 Corridor from Firth Sterling
Avenue, SE to Howard Road, SE**

PHASE I PROJECT ELEMENTS

- A. Replace existing bridge with a new six lane signature bridge
- B. Construct new east traffic oval
- C. Construct new west traffic oval
- D. Reconstruct I-295 from Firth Sterling Avenue, SE to Howard Road, SE and the I-295/Suitland Parkway Interchange
- E. Enhance bicycle and pedestrian facilities
- F. Improve landscaping, drainage and stormwater management



PROJECT MILESTONES

- FDMB Bridge Open to Traffic – September 10, 2021
- Completion of the East Oval – March 31, 2022
- Completion of West Oval – March 26, 2022
- Completion of I-295 Corridor – December 31, 2021
- Final Completion – May 1, 2022

Note: Dates are subject to change based on weather, utility work and other factors.



PROJECT UPDATE – ONGOING WORK

West Oval Area



West Abutment



PROJECT UPDATE – ONGOING WORK



V - Pier 1

PROJECT UPDATE – ONGOING WORK

Bridge Construction Activities



Arch span temporary support



PROJECT UPDATE – ONGOING WORK



V - Pier 2 – Form Work and Reinforcing Steel Installation

PROJECT UPDATE – ONGOING WORK

East Oval Area



East Abutment

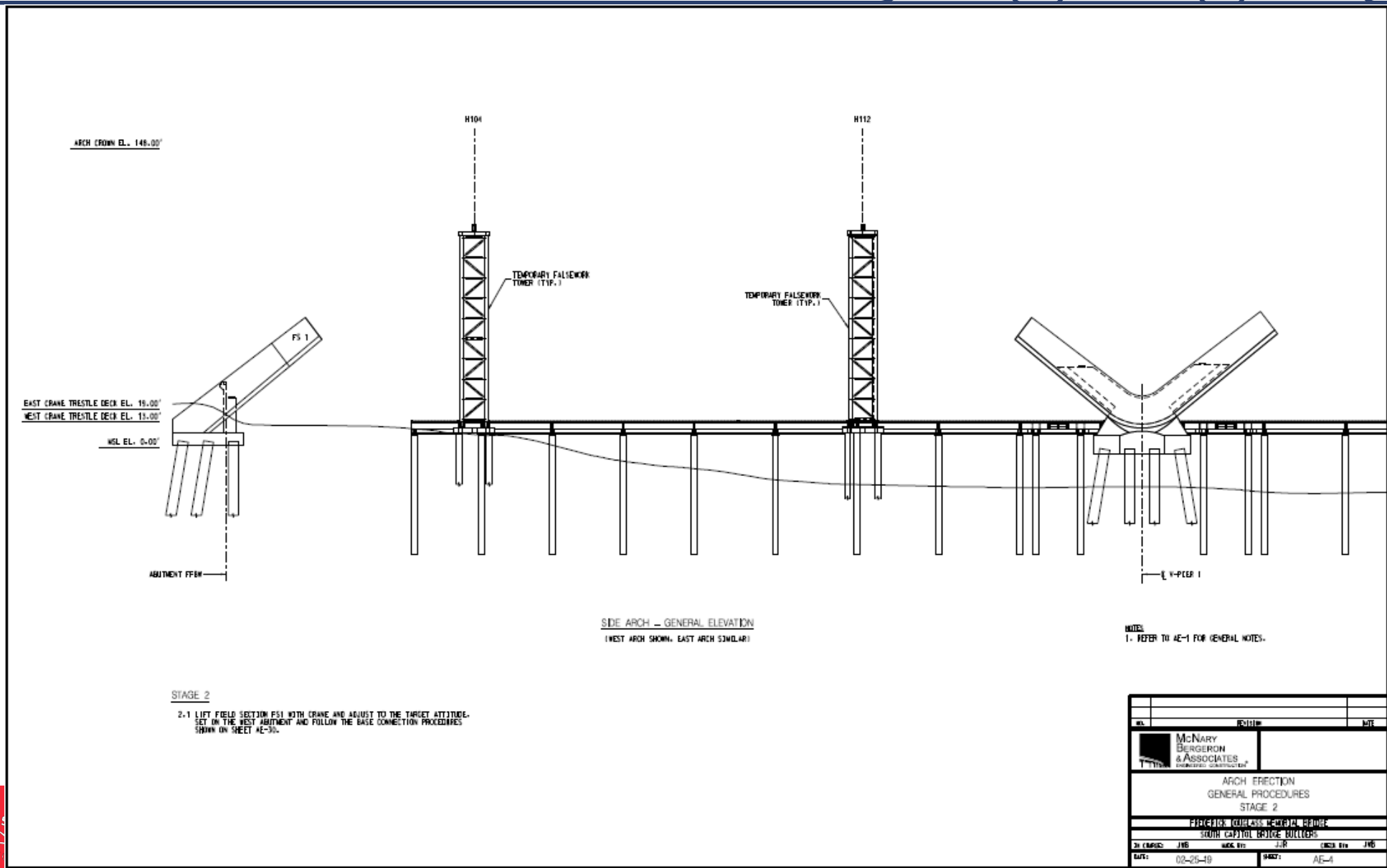
PROJECT UPDATE – ONGOING WORK

FDMB ARCH FABRICATION



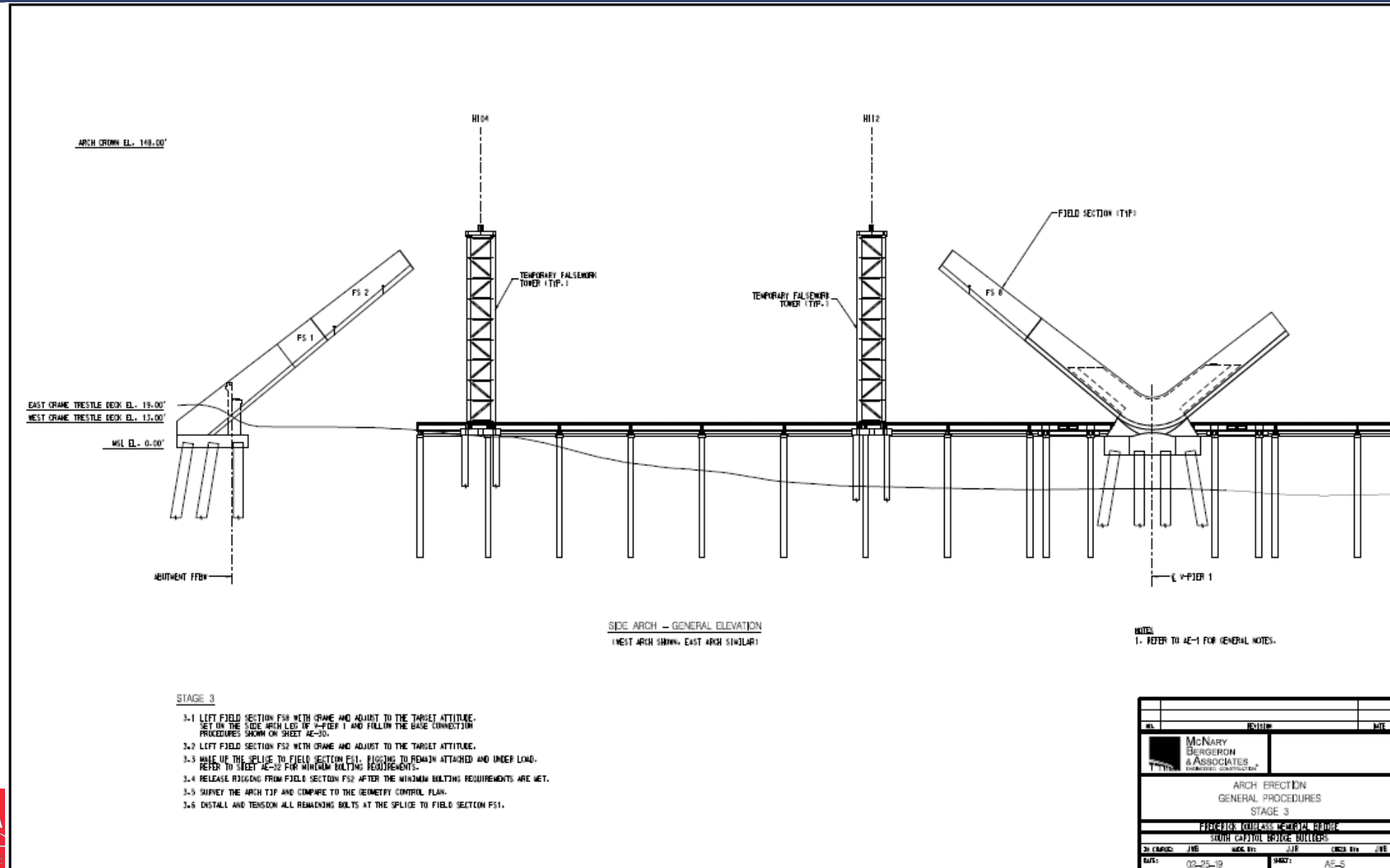
PROJECT UPDATE – UPCOMING WORK

FDMB ARCH ERECTION



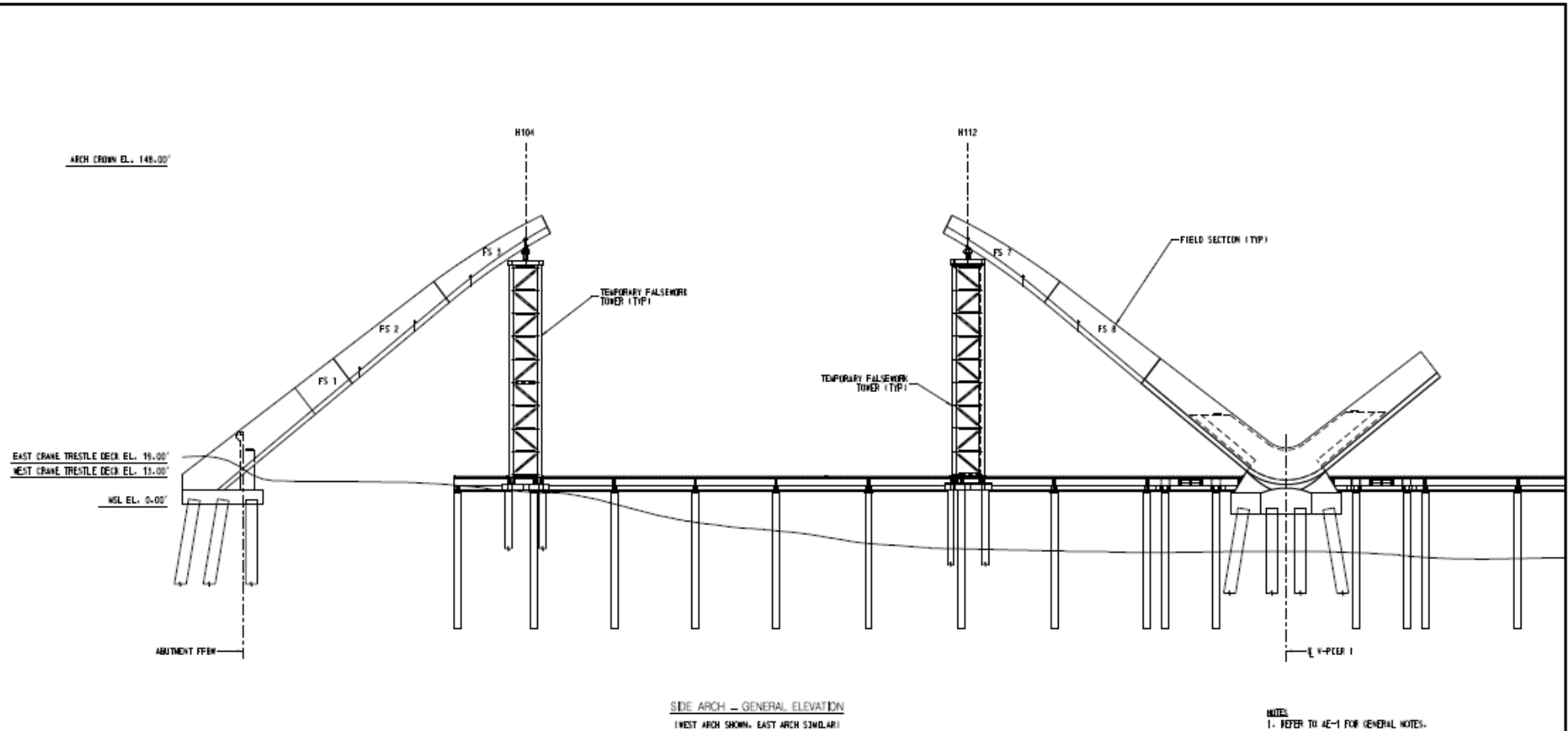
PROJECT UPDATE – UPCOMING WORK

FDMB ARCH ERECTION



PROJECT UPDATE – UPCOMING WORK

FDMB ARCH ERECTION



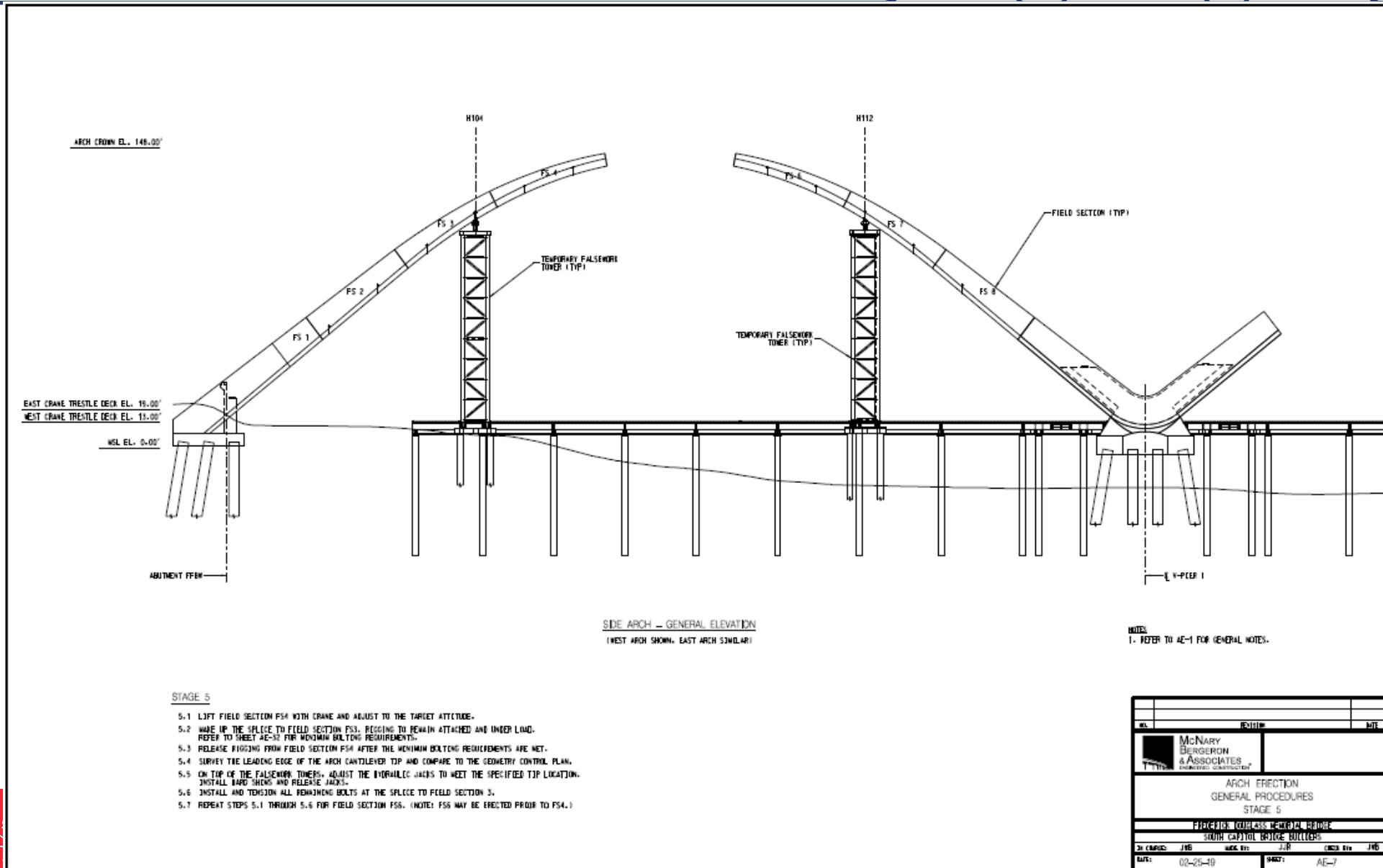
STAGE 4

- 4.1 BOLT THE ARCH SUPPORT BEAM TO THE BOTTOM FLANGE OF FIELD SECTION FS3. REFER TO TEMPORARY WORKS SUBMITTAL FOR FALSEWORK DETAILS.
- 4.2 LIFT FIELD SECTION FS3 WITH CRANE AND ADJUST TO THE TARGET ATTITUDE.
- 4.3 MAKE UP THE SPLICE TO FIELD SECTION FS2, BEGING TO REMAIN ATTACHED AND UNDER LOAD. REFER TO SHEET AE-37 FOR MINIMUM BOLTING REQUIREMENTS.
- 4.4 SLIDE THE FALSEWORK CAP BEAM INTO THE CORRECT POSITION BELOW THE ARCH SUPPORT BEAM. INSTALL JACKS BELOW THE ARCH SUPPORT BEAMS.
- 4.5 EXTEND THE JACKS UNTIL THE ARCH CANTILEVER TIP IS SUPPORTED BY THE JACKS. INSTALL ALL NECESSARY HARD SHIMS AND RELEASE THE JACKS.
- 4.6 RELEASE THE JOISTING FROM FIELD SECTION FS3 AFTER MINIMUM BOLTING REQUIREMENTS ARE MET AND ARCH SUPPORTED BY FALSEWORK TOWER.
- 4.7 SURVEY THE LEADING EDGE OF THE ARCH CANTILEVER TIP AND COMPARE TO THE GEOMETRY CONTROL PLAN.
- 4.8 JACK AND SHIM AT FALSEWORK TOWERS AS NECESSARY TO ACQUIRE THE NECESSARY TIP LOCATION.
- 4.9 INSTALL AND TENSION ALL REMAINING BOLTS AT THE SPLICE TO FIELD SECTION FS2.
- 4.10 REPEAT STEPS 4.1 THROUGH 4.9 FOR FIELD SECTION FS1. (NOTE: FS1 MAY BE ERECTED PRIOR TO FS3.)

REV.	REVISION	DATE
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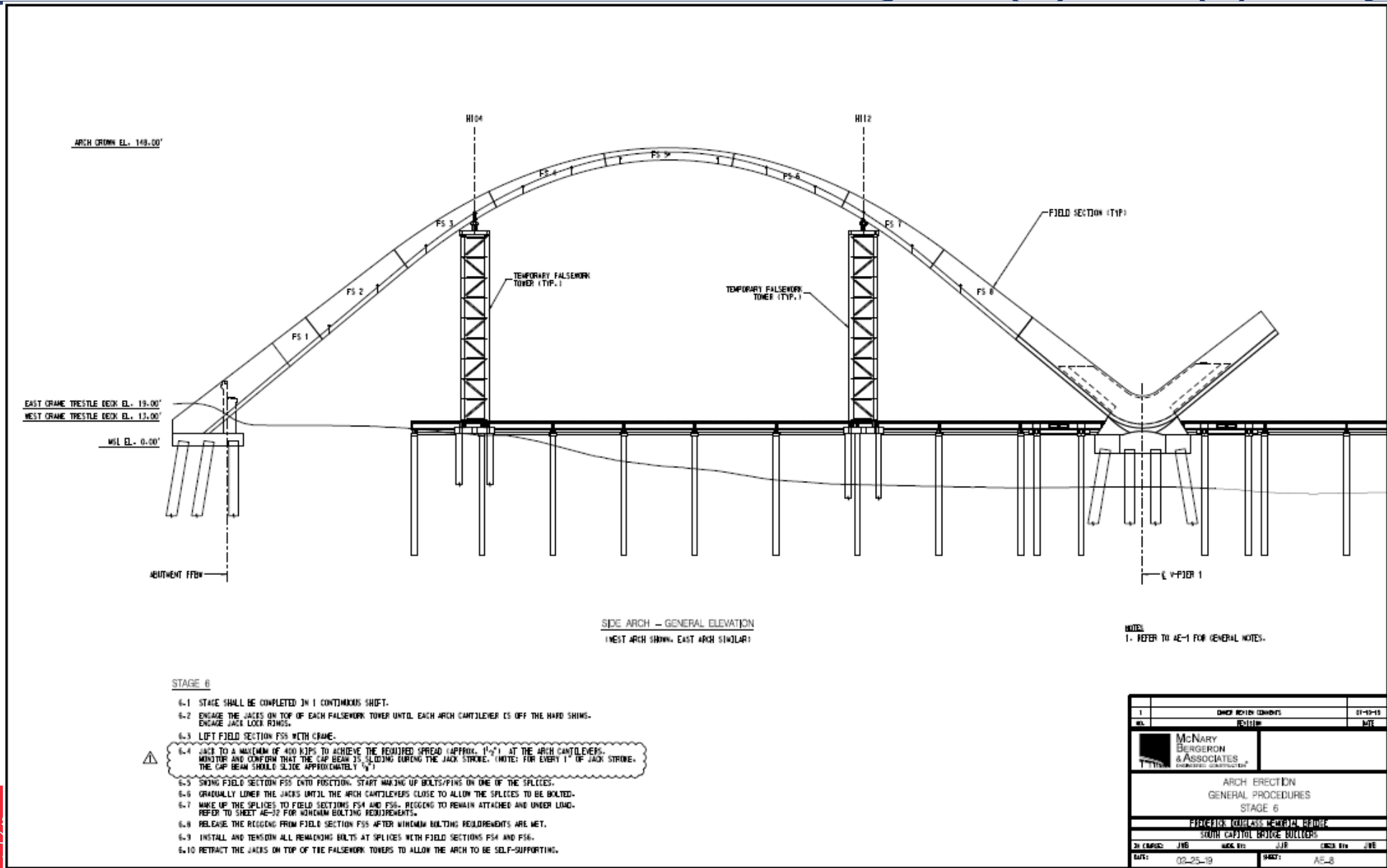
PROJECT UPDATE – UPCOMING WORK

FDMB ARCH ERECTION



PROJECT UPDATE – UPCOMING WORK

FDMB ARCH ERECTION



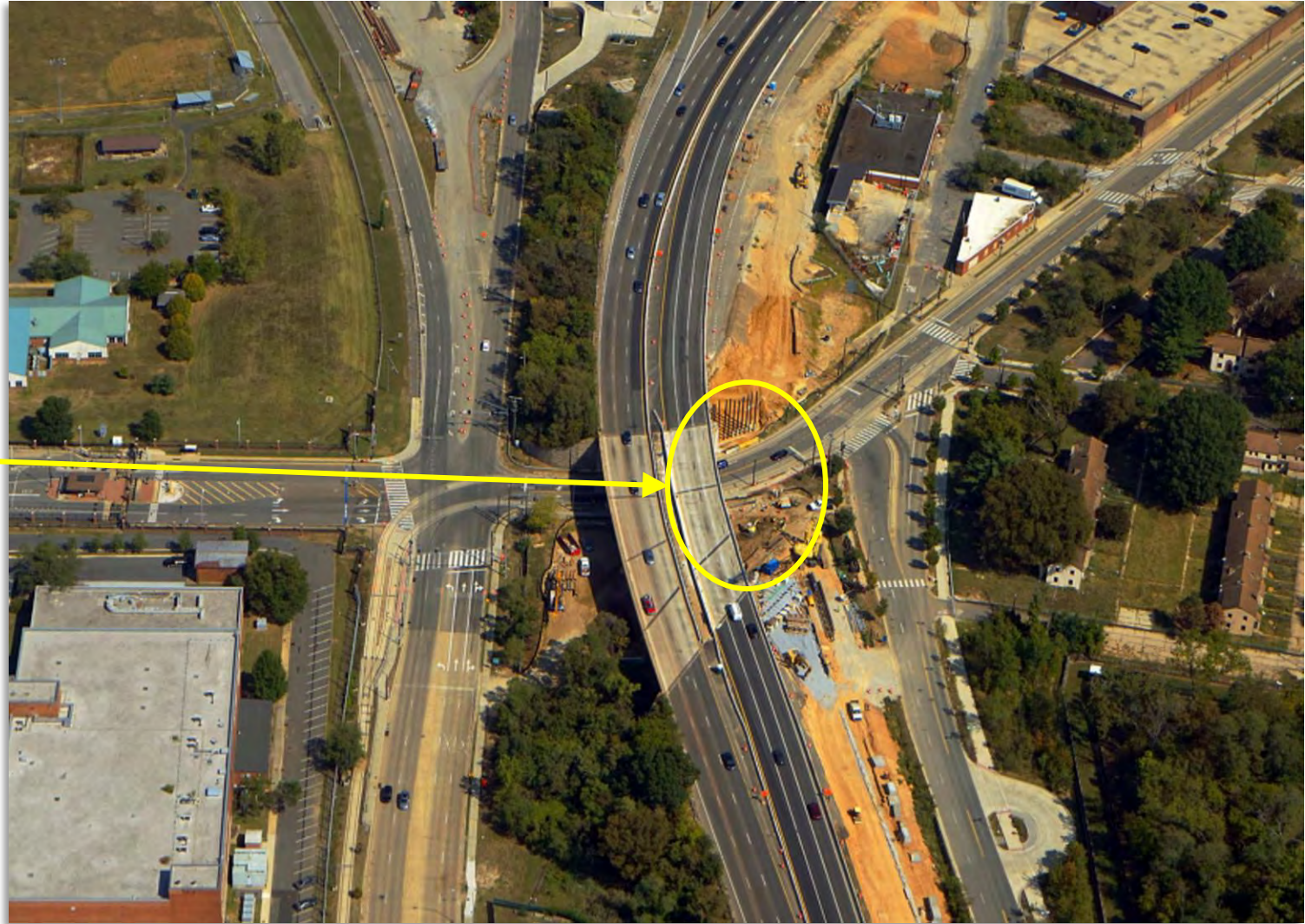
PROJECT UPDATE – ONGOING WORK

East Side Construction Activities



PROJECT UPDATE – ONGOING WORK

East Side and I-295/Firth Sterling Avenue



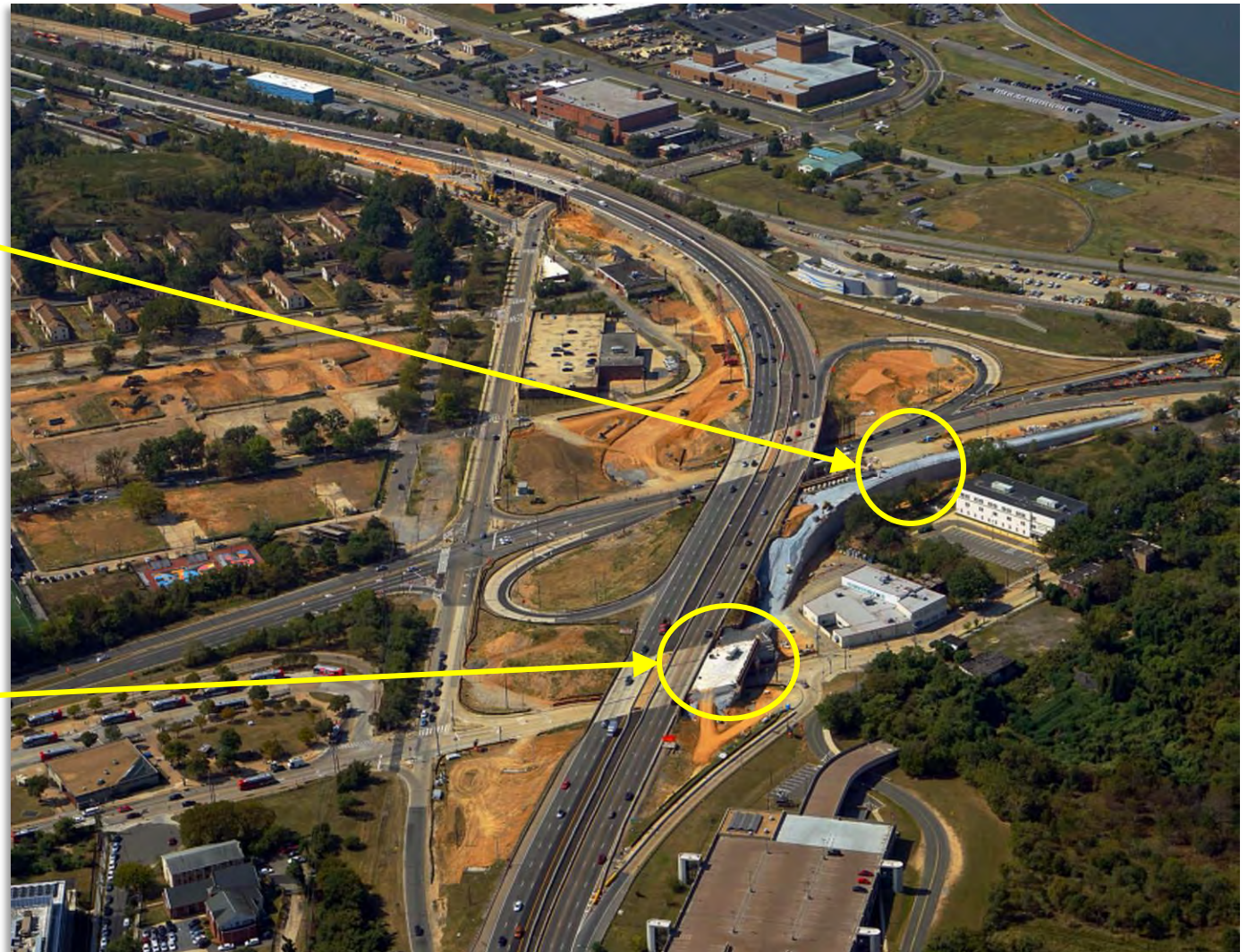
PROJECT UPDATE – ONGOING WORK

I-295/Suitland Parkway Interchange



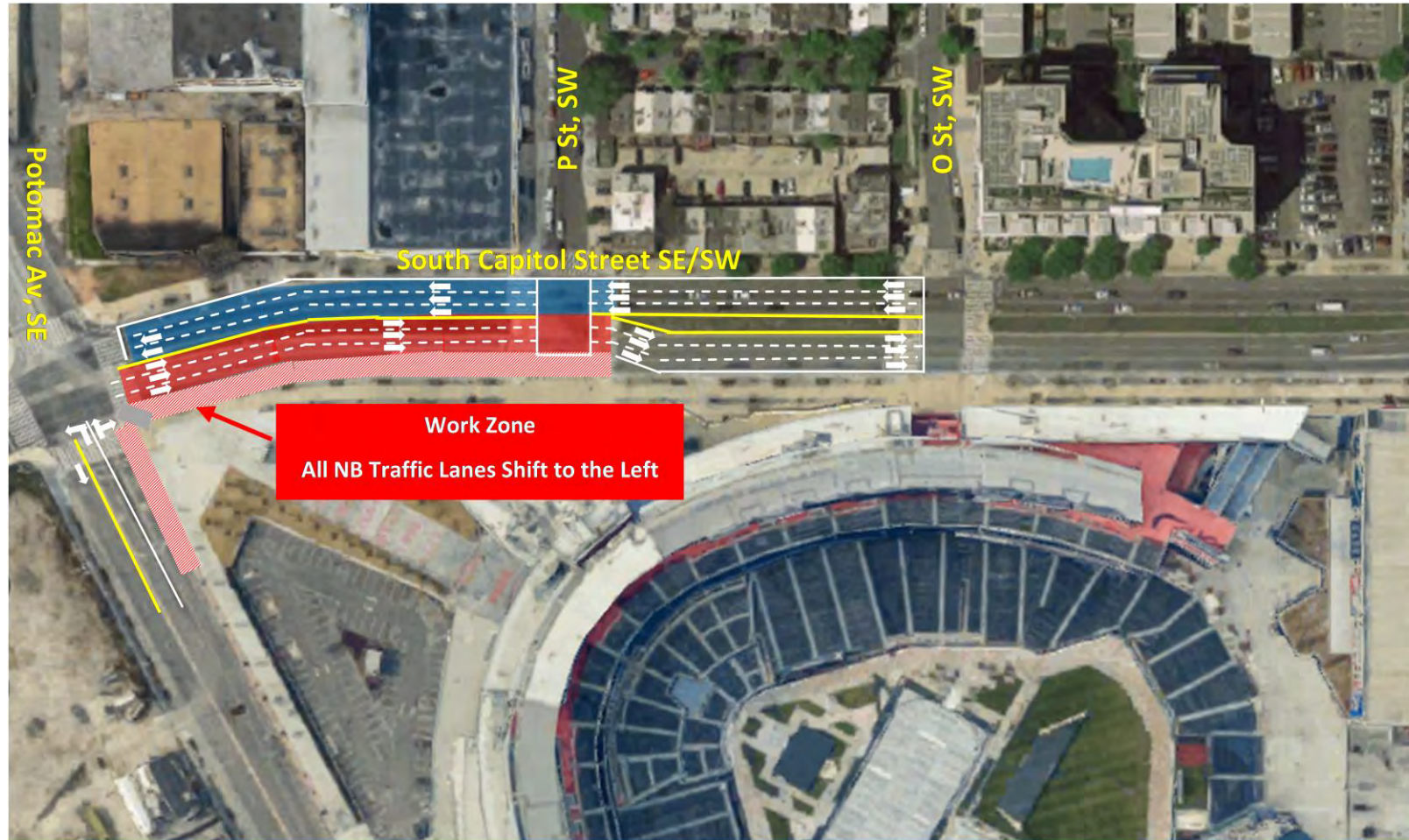
PROJECT UPDATE – ONGOING WORK

I-295/Howard Road/Ramp B



PROJECT UPDATE – UPCOMING WORK

South Capitol Street SE/SW Lane Shift – Nov 2019



PROJECT UPDATE – UPCOMING WORK

New Ramp B to
Replace Howard
Rd Exit

Q1 2020



PROJECT UPDATE – UPCOMING WORK



Temporary
Ramp One
Q1 2020



PROJECT OPPORTUNITIES UPDATE

DBE Contracting Outreach and Awards

- SCB continues to host monthly DBE outreach events
- Awarded contracts to 50 DBE firms
 - Design Phase: \$11,384,531 – 11 firms
 - Construction Phase: \$49,959,428 – 42 firms
 - \$61M DBE contract dollars awarded or pending
- 97.4% DBE Goal for Design Phase (\$11.6M) exceeded
- 66% of Goal for Construction Phase (\$76.2M) Awarded
- Upcoming Events:
 - DDOT DBE Summit 11/12/19
 - MWMCA DBE Event 11/21/19



LOCAL BUSINESSES

Total of 50 DBE Firms contracted Washington DC DBE firms on project

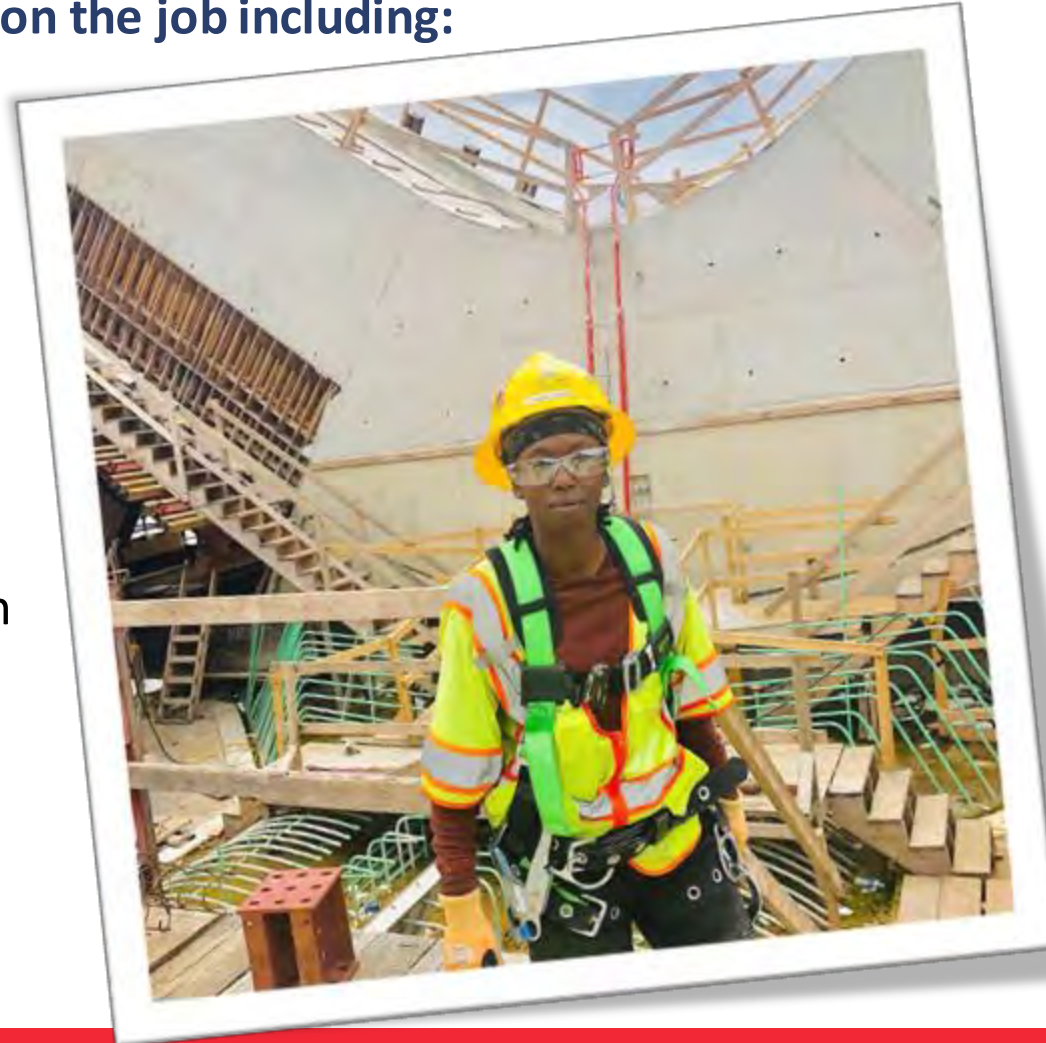
- Capitol Development Design, Inc
- Capitol Services Management, Inc
- Hayat Brown, LLC
- HSA, Inc
- Milani Construction, LLC
- Monumental Concrete, LLC
- Soil and Land Use Technology, Inc
- Gap Consulting, LLC
- AJK Enterprises, LLC
- Holland Enterprises, LLC
- Stefron, LLC
- Omega Supply Services
- Justice and Sustainability Associates
- Aridai



LOCAL HIRING

126 DC residents hired on the job including:

- Ward 1 - Three
- Ward 2 - Two
- Ward 3 – Nine
- Ward 4 - Nine
- Ward 5 - Sixteen
- Ward 6 - Eleven
- Ward 7 – Thirty-seven
- Ward 8 – Thirty-nine



Pauline Headley, a recent participant in the OJT Program from Congress Heights in Ward 8 stated, " In the OJT Program every day I'm learning something new, I am getting mentoring and taking coursework that will help me forward my career in the construction industry. This project is tremendous for DC and it's a great opportunity for me to have this experience working on this historic bridge honoring Frederick Douglass."

PROJECT OPPORTUNITIES UPDATE

On-the-Job Training Opportunities

Design Positions

- 11 Design Trainees currently working on or graduated from the project
- 5 are District Residents
- AECOM is seeking High School to college aged individuals for Design Technician Trainees

Construction Positions

- 15 Trainees currently working on or graduated from the project
- 12 are District residents

Construction Positions (24 available)

- Concrete Technician
- Drainage/Utility Inspector
- Electrical Technician
- Materials Inspector
- Pipe Layer
- Quality Control Technician
- Rodman/GPS Operator
- Bridge Constructor (Laborer)
- Cement Mason
- Equipment Maintenance Tech
- Foreman Trainee
- Ironworker
- Landscape Worker

- Power Tool Operator
- Flaggers
- Superintendent Trainee
- Traffic Control Coordinator

PROJECT OPPORTUNITIES UPDATE

Upcoming Training and Employment Events

- FAQ Handout
- Quarterly Project Opportunities Outreach
- Other Employment Outreach
 - ANC and community meetings
 - Social media
 - www.southcapbridgeproject.com
 - www.bdcbt.org
- Upcoming Event:
 - SCB Job Fair – December 12, 2019



COMMUNITY OUTREACH ACTIVITIES

- ANC and community meeting attendance
 - Community Meetings in Ward 6 and 8
 - Email notification subscriptions
- Project Website:
 - www.newfrederickdouglassbridge.com
- Project Hotline Number:
 - 202-299-2189
- Project Social Media:
 - Twitter, Facebook and Instagram
 - @newfdmb
- Upcoming Events –
 - Ward 6 Community Meeting – 10/23/19
 - SWNA Presentation 10/28/19
 - ACC Presentation 10/29/19
 -



Ward 8 Community Day



Cardozo TransSTEM Academy Student Project Tour

"Building More than a Bridge"

Giving Back

- Ward 8 backpack donation
- Garfield Heights Toy Drive
- Thanksgiving Drive for Food Bank
- Cedar Tree Academy playground build



NEW FREDERICK DOUGLASS MEMORIAL BRIDGE



For up to date traffic
alerts and more
information, follow us
on social media at
@newfdmb on
Facebook, Twitter and
Instagram.

QUESTIONS?

FOR MORE INFORMATION

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