

SR1/I95 Interchange Update



Project Status

- Background Information
- Work completed 2011 & 2012
- Work completed 2013
- Remaining work 2014
- Discussion of Construction elements

Cherry Hill Construction



- Subsidiary of Tudor-Perini Corporation (Ranked #9 in USA)
- Publically Traded Company
- Workforce mainly Union Operators and Labor
 - I-95 General Purpose and Express Toll Lanes from I-895 Split to Chesaco Avenue Baltimore, MD
 - MD Route 5 Relocation Hughesville, MD
 - 9th Street over AMTRAK and CSX Washington, DC



Construction Staffing

- DelDOT - Project Resident and 3 Inspectors
- AECOM – 17 Inspectors 
- Century Engineering – 2 Inspectors and 2 Surveyors 
- WR&A – 1 Inspector 
- URS – 1 Inspector 
- AB Consultant – 1 Office staff 
- RK&K – 1 Onsite Design Engineer 

Support Staffing

- DelDOT Traffic/Safety Section
- E & S Section
- M & R Section
- Public Relations



Start of Construction

- Starting date – September 19, 2011
- Awarded Number of days - 747
- Special Bidding A+B
- Traffic
- Neighbors:
 - Delaware Park
 - Christiana Mall
 - Christiana Hospital
 - DelTech Stanton Campus
 - Cavalier Apartments and Townhouses
 - Hotels, Restaurants, etc.
- Christiana Mall Bridge –Advance contract

• SR-1 Phase 1



I-95 Phase 1 Temporary Ramp A and Ramp A SB I-95 Ramp to SR -1 SB



SR-1 Phase 2

SR7 NB and Temporary Ramp C

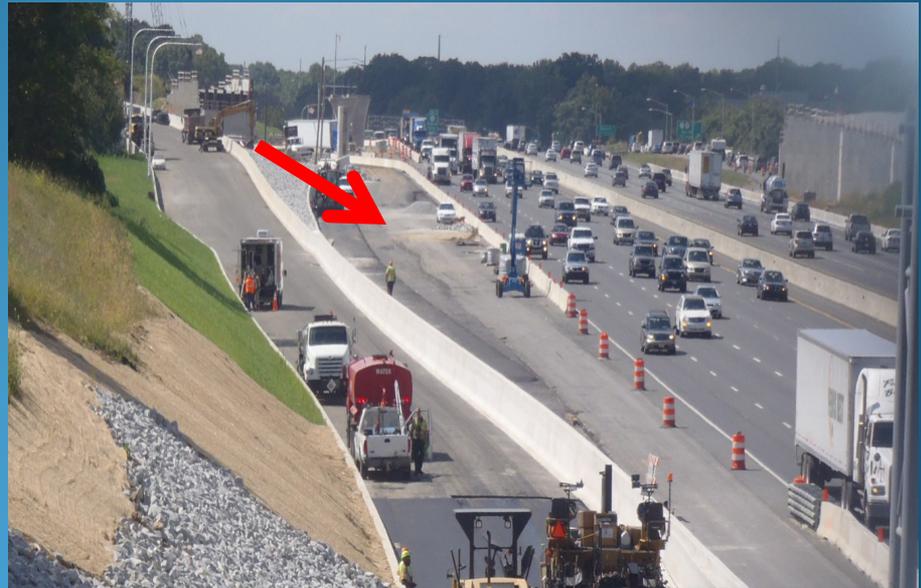


SR-1 Phase 2



I-95 Phase 2

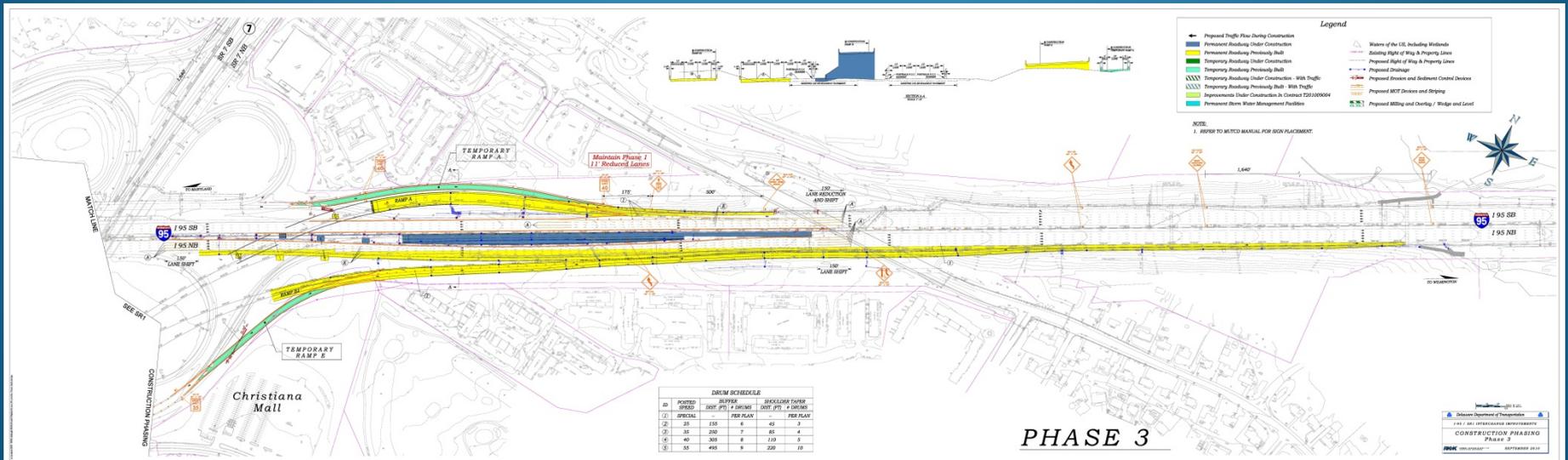
MSE for I-95 SB to SR-1 SB (Ramp A behind Toys”R”Us) And I-95 NB Widening



Ramp C-1 and Ramp G-1



I-95 Phase 3 (Partially completed as of last winter workshop)





Structure S1 & S6 Piers

SR-1 Phase 4



SR-1 Phase 5



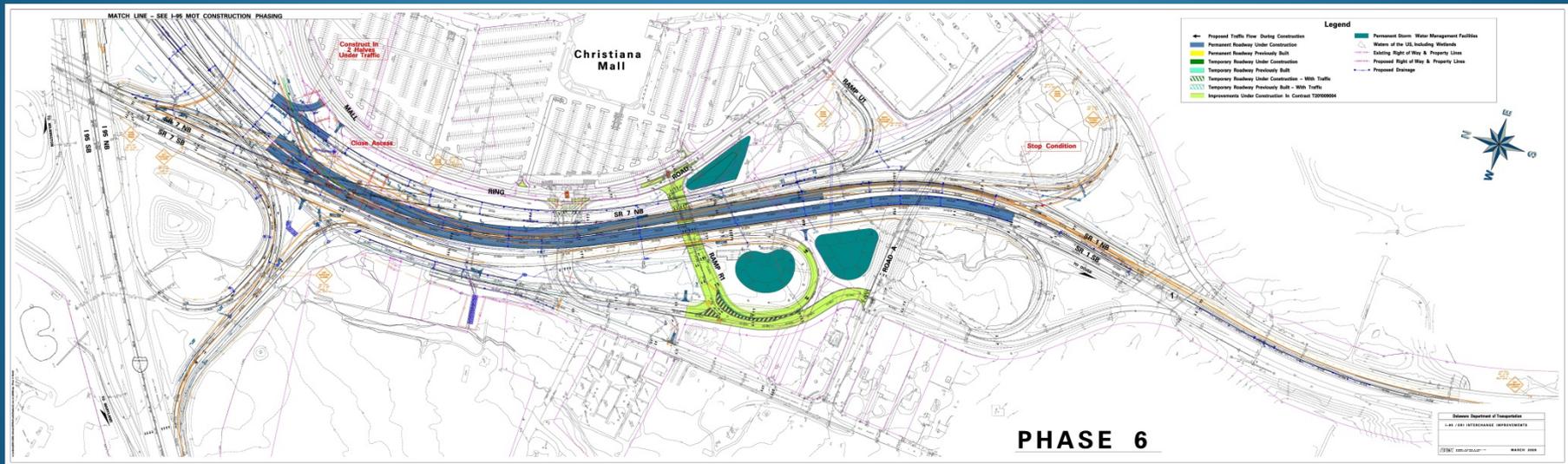
Where we left off last winter workshop



2013

Open the
Flyover Ramps

SR-1 Phase 6 – Work to be completed in 2013



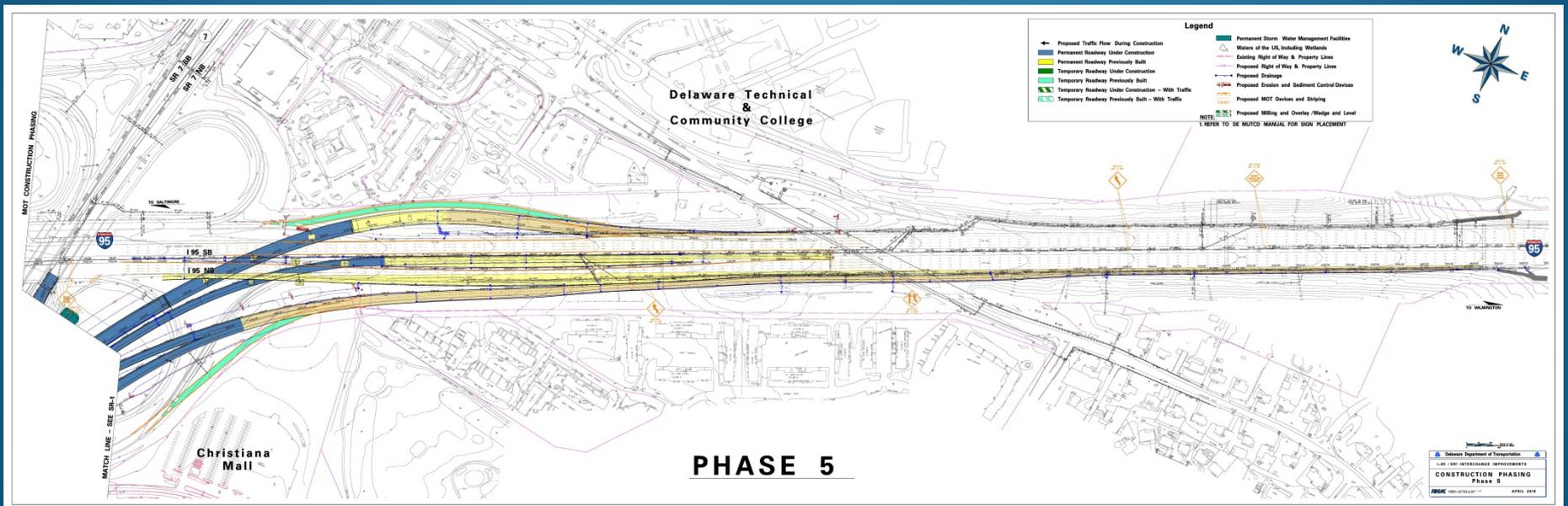
Ramps A and B



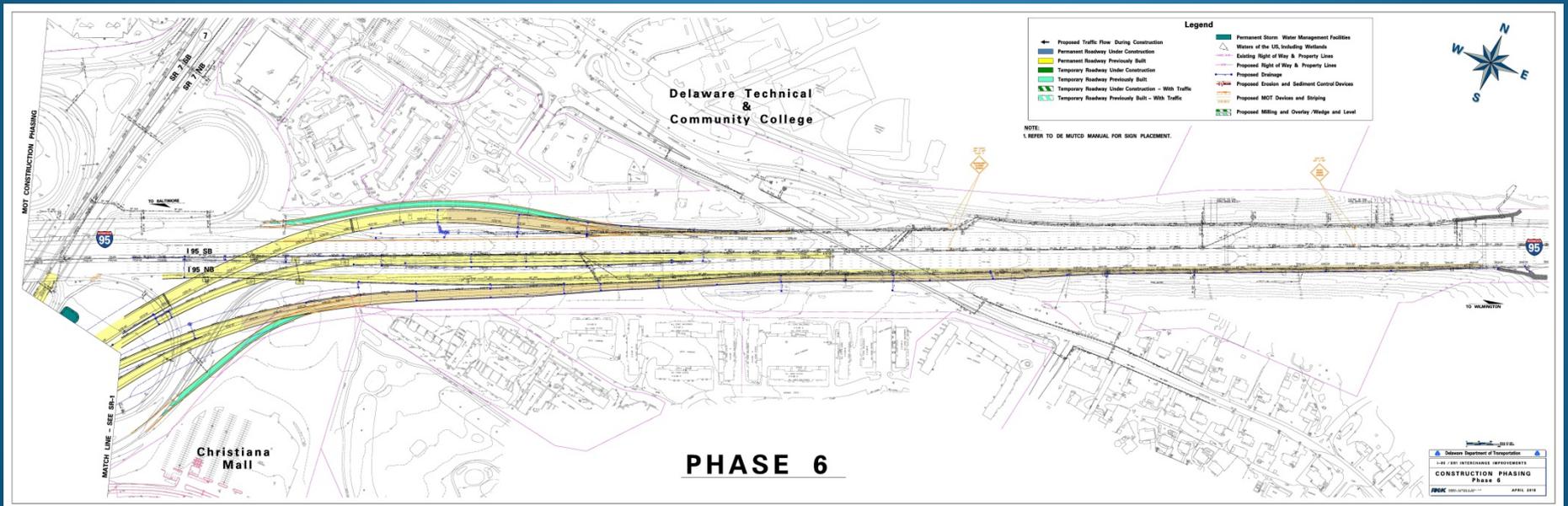
Ramps A and B Flyover Bridges



I-95 Phase 5



I-95 Phase 6



I-95 Phase 4 – Triangle Embankment and Flyover Bridges



Ramp B and B1 Construction



Looking North toward Cabellas



Opened Ramp A – Aug. 27, 2013

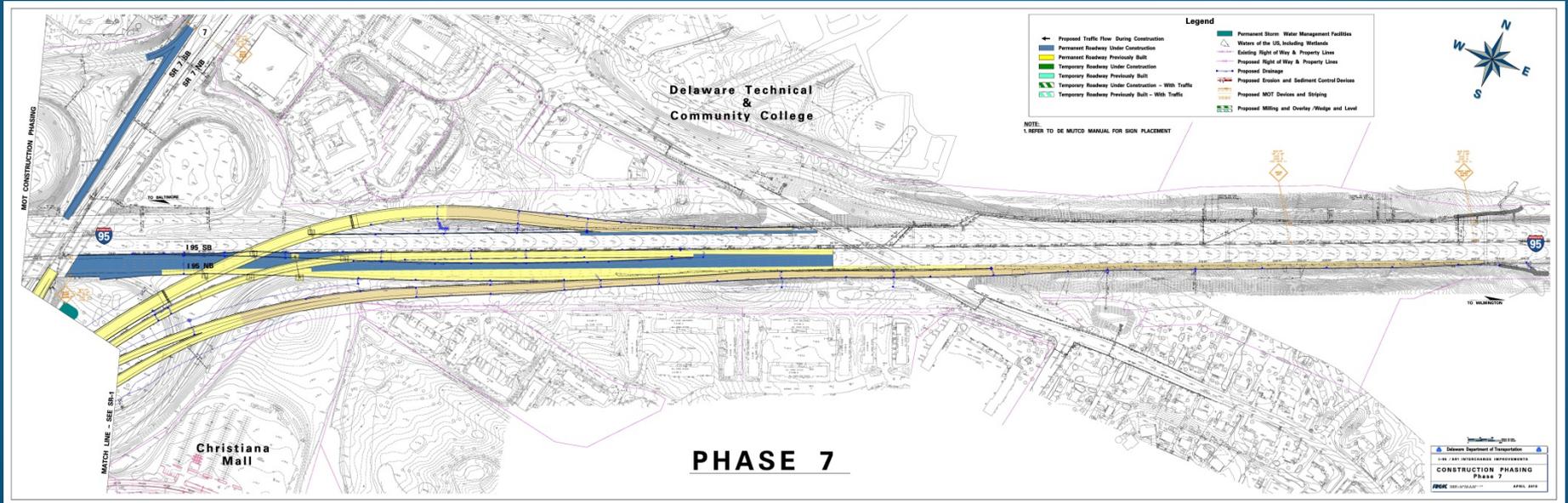
Opened Ramp B₁ - Oct. 17, 2013

Opened Ramp B – Oct. 17, 2013



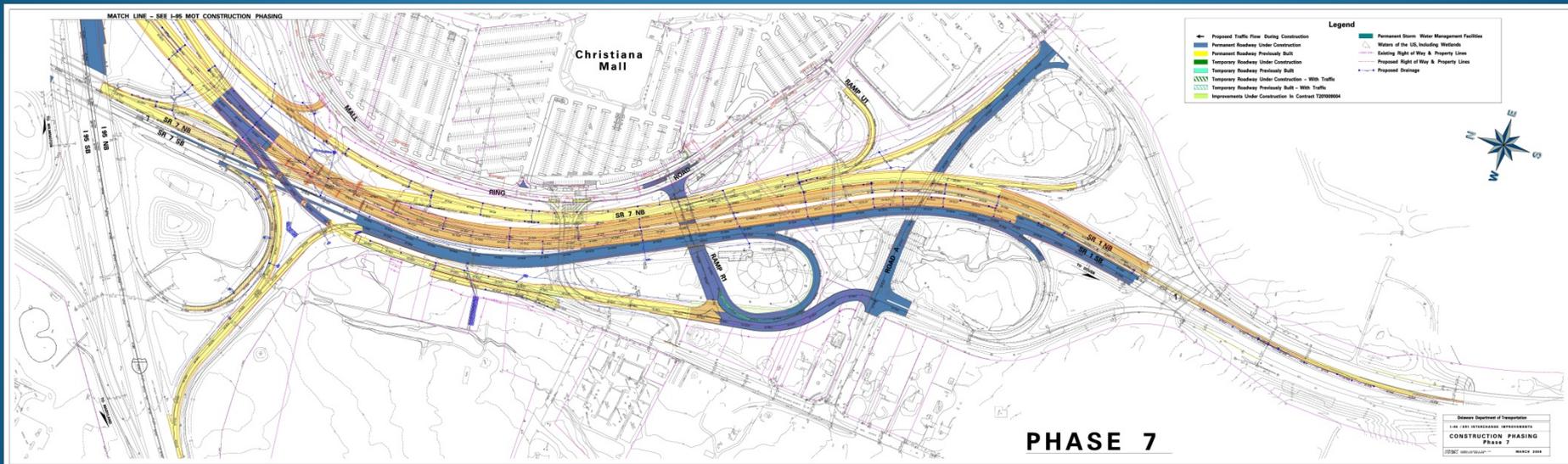
2014

I-95 Phase 7



2014

SR-1 Phase 7



Construction Elements

Bifurcated Walls

Bridges

Foundation/Piers

MSE Wall

Post Tensioning

Steel Erection

Sign Foundation and Structures

Bifurcate Walls



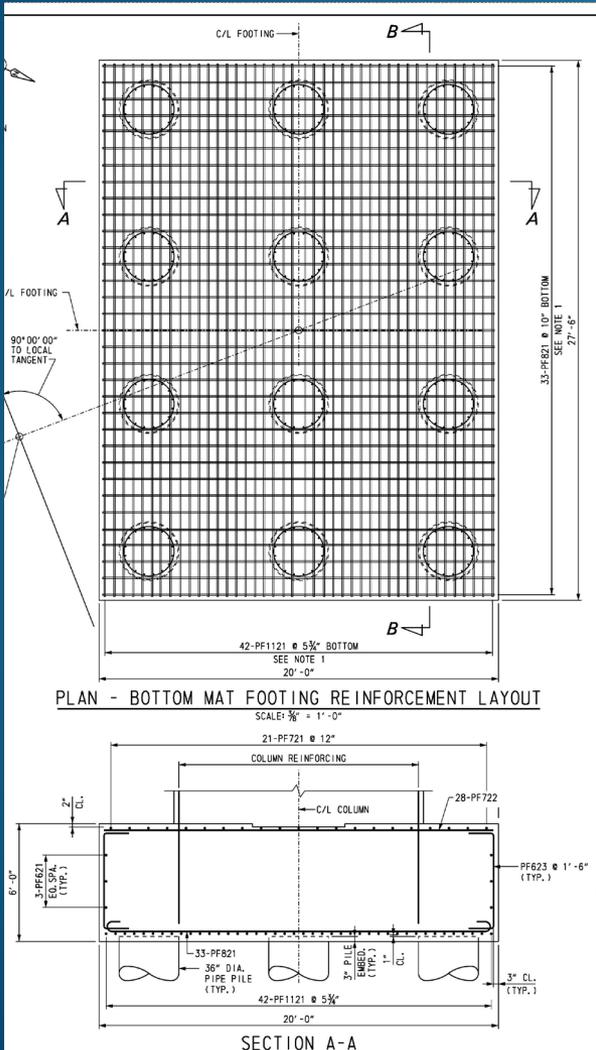
Bifurcated Walls



Bifurcated Walls



Bridges – Foundation/Piers



MSE Wall – Paraweb Strap



MSE Wall Backfill

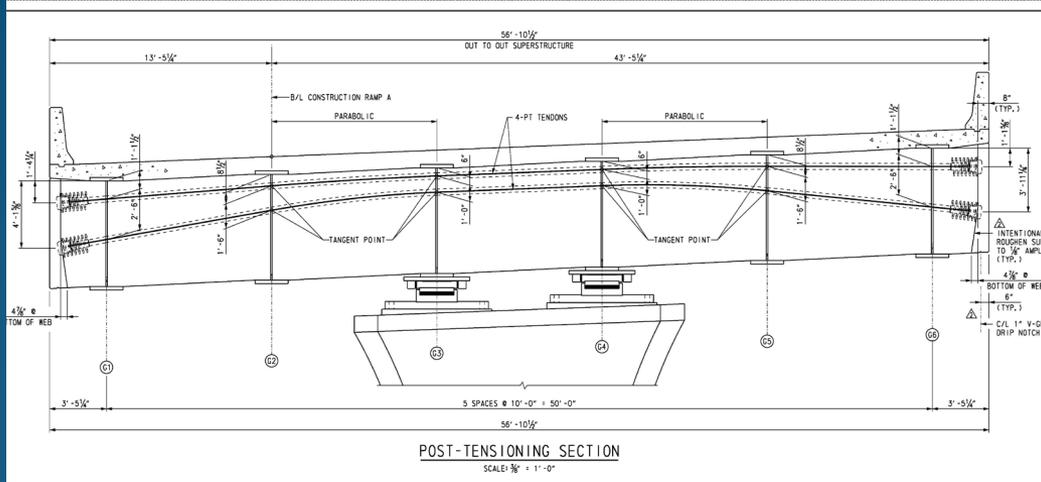
Stone

Lightweight Backfill

Select Borrow



Straddle Bent Cross Girder - Post Tensioning



Post Tensioning



Post Tensioning



Post Tensioning



Bridges – Placement of Steel



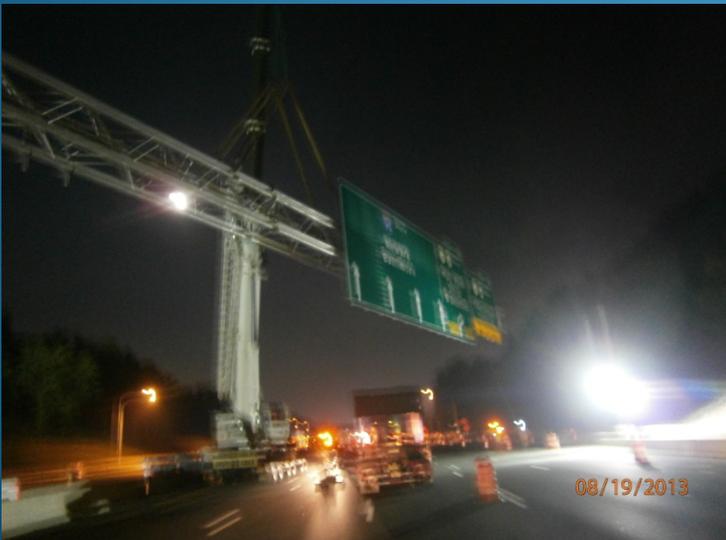
Bridges – Placement of Steel



Sign Structures - Foundations



Sign Structures – Placement of Structures







Thank You!