

Rail Construction Update

Presented to: Planning &
Development Committee
May 12, 2015

Rail Construction Update

- Stations
- Track
- Power/Signal
- Bridges

Rail Infrastructure - Stations

- New Little Italy-University Circle Station
 - 85% complete
- New Lee-Van Aken Station
 - 60% complete
- Brookpark Station NTP 5-11-15
 - Open for RNC
- E. 34th Station Design RFP
 - Award recommendation to July Board

Little Italy - University Circle Station

- New rail station on old street-level entrance
- EB GCRTA track bridge relocation complete
- Track relocation for center platform complete
- ADA elevator to rail platform 95% complete
- Installation ongoing:
 - Stairs, terrazzo floors, platform light poles, headhouse and platform canopy roofs

Little Italy - University Circle Station



Little Italy-University Circle Station



Little Italy-University Circle Station



Lee - Van Aken Station



Lee - Van Aken Station

- ADA compliant with EB and WB elevators
- During nine-day shutdown
 - Precast building panels and platform installed
 - Track replacement with concrete ties and new timbers with plates installed under crossover
 - Approximately 20% of total construction value



Greater Cleveland Regional Transit Authority





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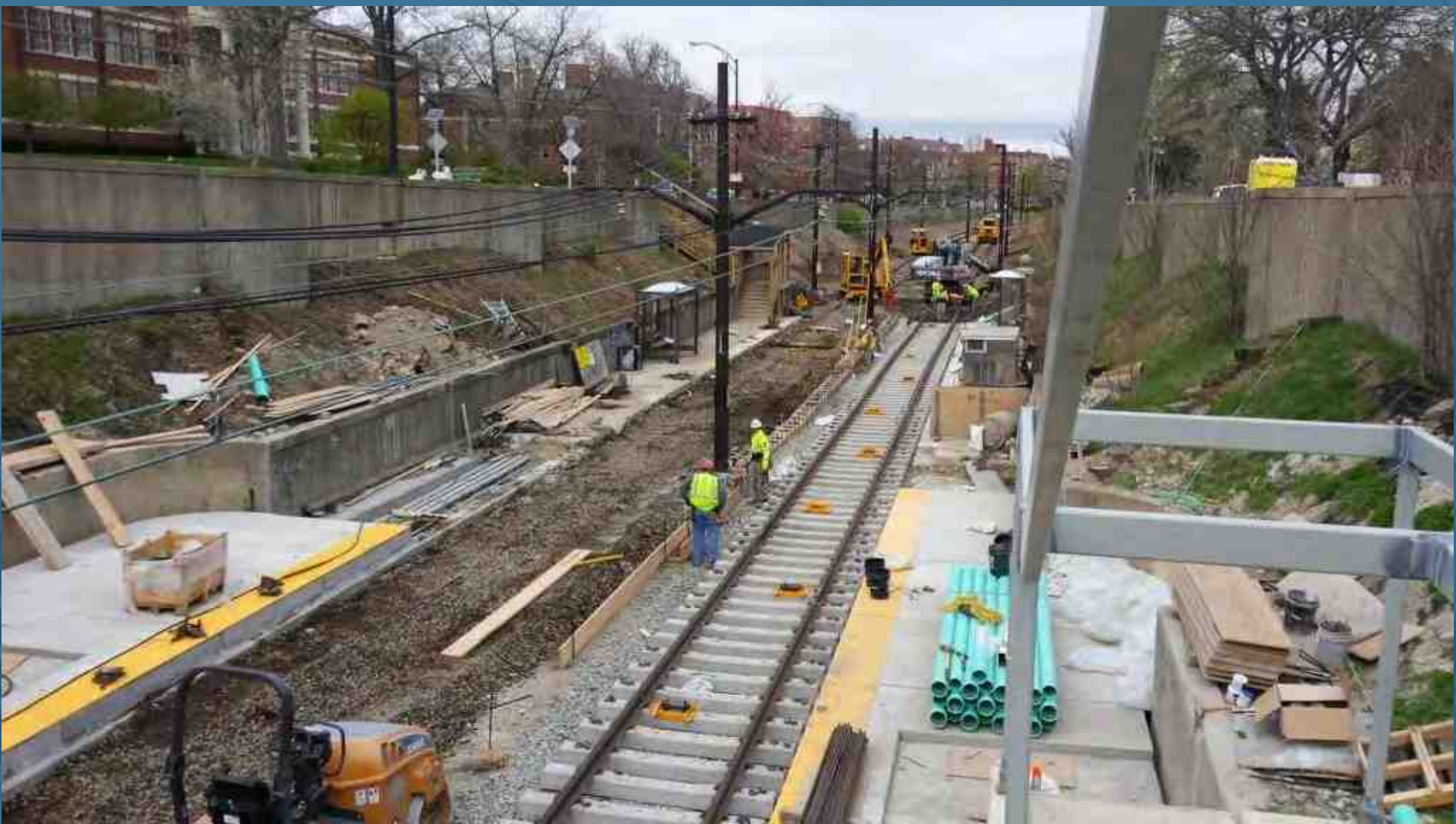




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Brookpark Station

- Demolition of existing bus station, rail station and walls/floor of pedestrian tunnel
- Construction of new ADA-compliant entrance buildings on both sides of the station
- “Shotcrete” lining of existing tunnel
- Reconstruction of head house
- Complete east parking lot reconstruction

Brookpark Scope of Work (cont.)

- New pre-cast concrete platform and ADA-compliant elevator from tunnel
- New concrete ties and ballast
- Anticipated milestones:
 - Summer for demolition
 - Fall for elevator tower from tunnel to platform
 - Spring 2016 for platform

Brookpark Station



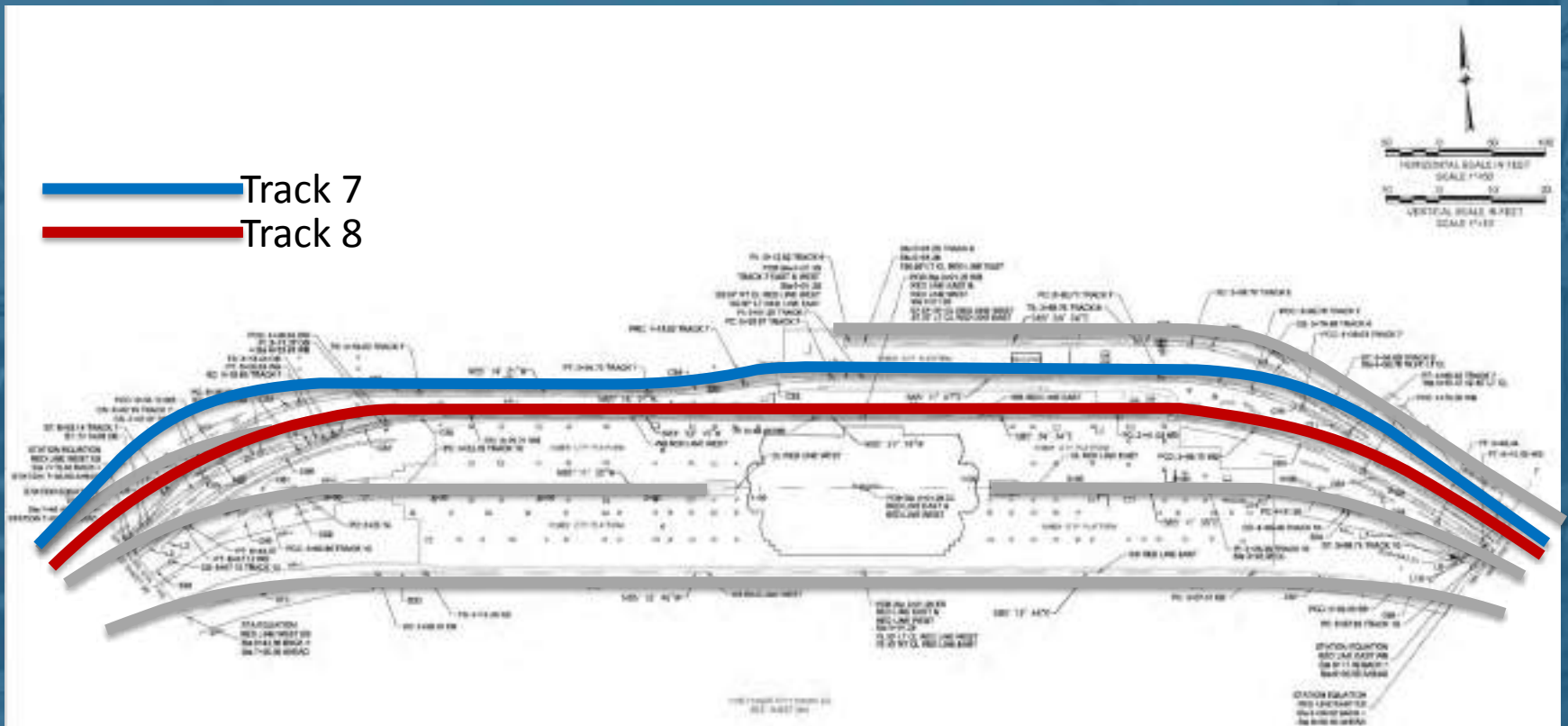
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2015 Rail Capital Projects - Track

- Rehabilitation of Shaker Junction - 98%
- Red Line West Track from S-Curve – W. 117th
 - Anticipated for fall construction
- Three grade crossings to be replaced
 - South Park on Green Line – July
 - Settler's Landing and Flats East Bank on WTFL
 - 14 day construction on WTFL late summer – early fall

Tower City Track 7/8



Reconstruction of Track 7 Auxiliary Platform and Track 8 at Tower City

- Preliminary report 5-11-15
- For both 7/8 construction budget \$6.2 million
- IFB for Track 7/platform by August 2015
- IFB for Track 8 by November 2015 after RNC
- Applying for \$12 million TIGER Grant for balance of Track 7/8/10/13 work

Shaker Junction & Shaker Square

- Contract Value: \$ 2,619,952
- Notice to Proceed: April 2014
- Substantial Completion: 4-26-15
 - All track, turnouts and crossing complete
- New junction interlocking signal installed
- Punchlist work underway

Shaker Junction Track Replacement

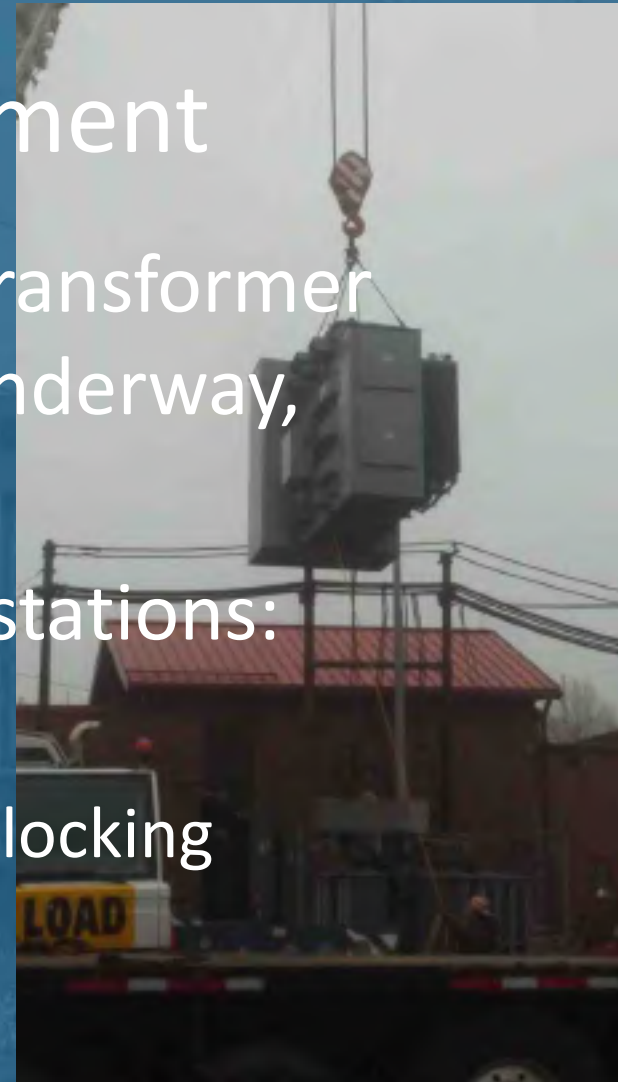


Shaker Junction Track Replacement



Substation Replacement

- Buckeye/Woodhill Substation Transformer Rectifier installed and testing underway, expect to be online May 2015
- Design project for modular substations:
 - Warrensville-Van Aken
 - W. 65th – relocate to W. 74th Interlocking
 - Puritas



Modular Substation

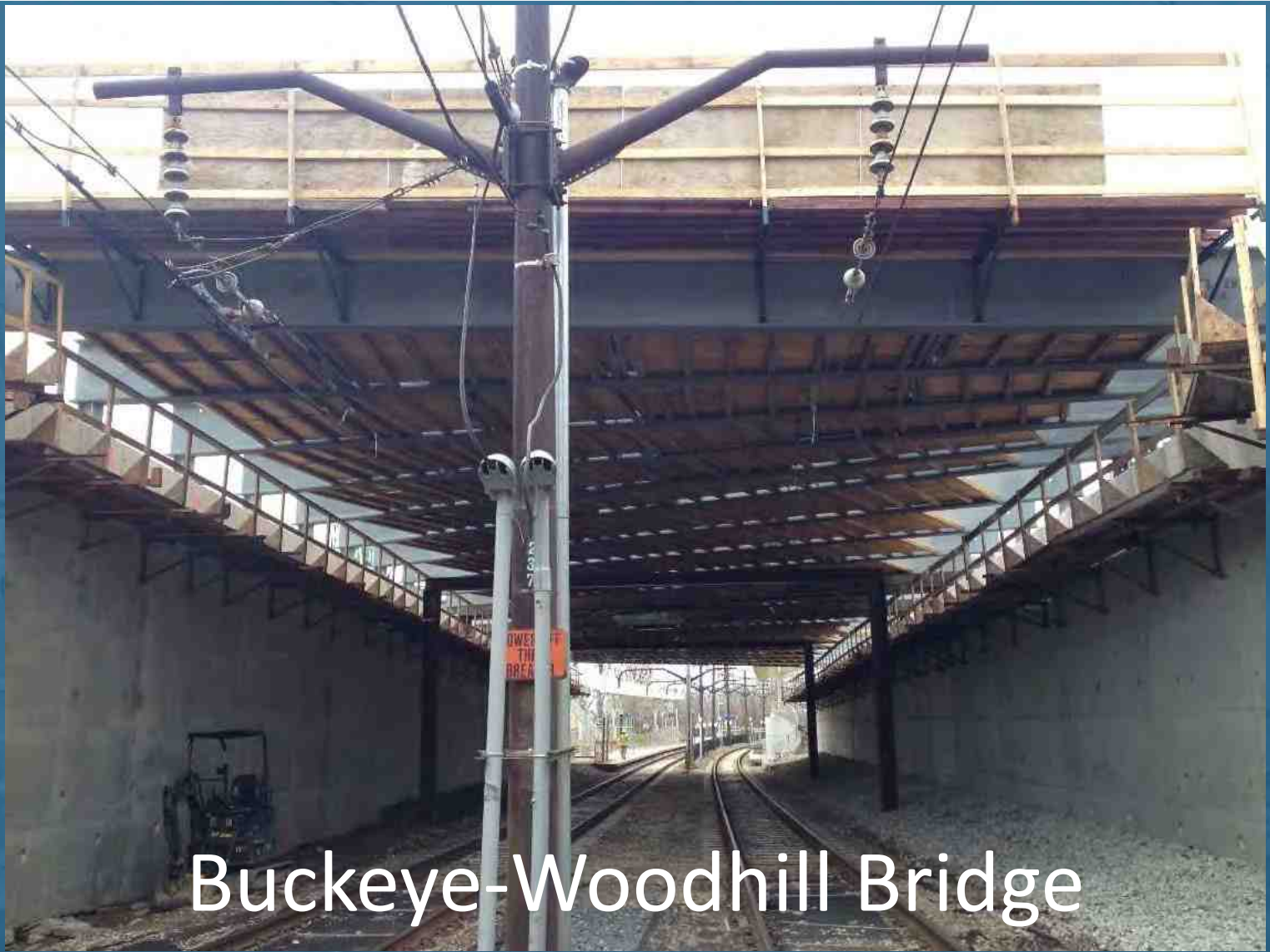


Rail Signal Projects

- Warrensville VanAken Indicator – Signal for track occupancy at end-of-line station
 - NTP 3-18-15, work underway
- Windermere Signal System Repairs – from The Illuminating Company high-voltage cable fall
 - NTP 4-15-15, work underway

ODOT Bridge Projects

- Innerbelt bridges
 - Finish painting on westbound bridge May 30-31
 - Fall installation of painting containment for eastbound bridge
- Buckeye-Woodhill Bridge
 - Summer cleanup as bridge nears completion
- E. 79th Red Line Bridge Replacement
 - Demolition and new station stair construction



Buckeye-Woodhill Bridge

GCRTA Bridge Projects

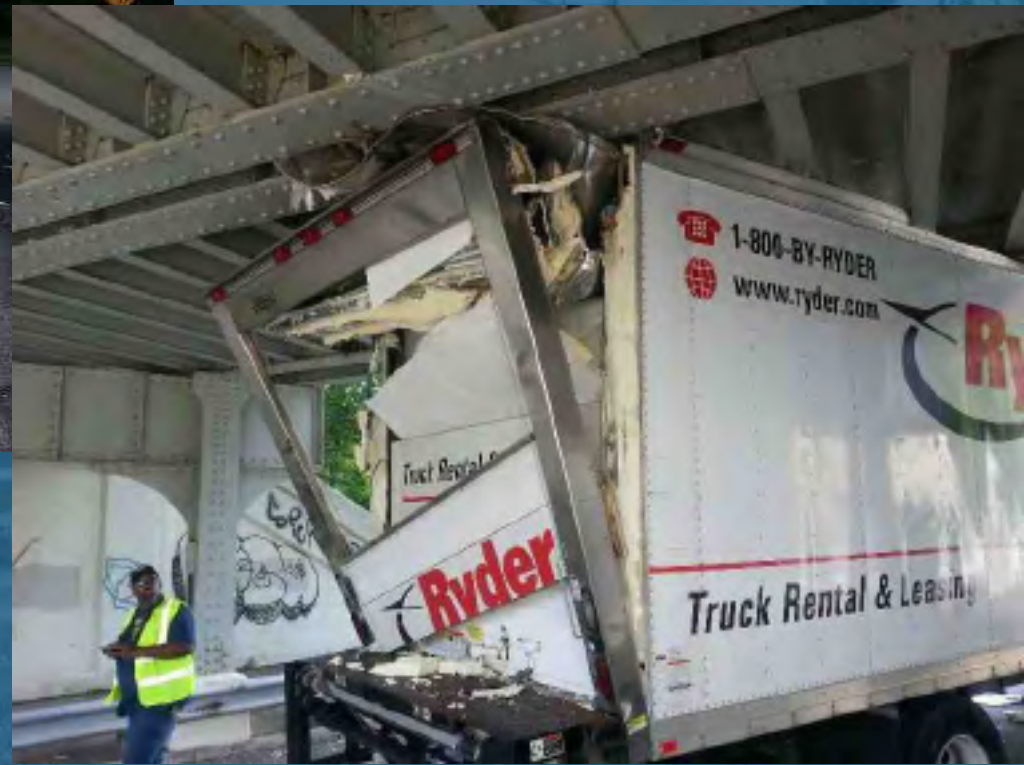
- Cuyahoga Viaduct Bridge Drainage & Concrete Repairs
 - Netting being placed under deck to hold concrete
 - IFB anticipated for additional work July Board
- Ambler Track Bridge Rehabilitation from truck impact damage

Cuyahoga Viaduct





Ambler Bridge Damage



GCRTA Bridge Projects

- East 81st & East 83rd Bridge Rehabilitations
 - Rehabilitate decks – concrete and waterproofing
 - Replacing railings
 - Replacing drainage and porous backfill
 - Abutment patching
 - Steel painting
 - Sidewalk replacement

E. 81st Street Bridge



E. 83rd Street Bridge

