



# PENNSYLVANIA DEPARTMENT OF TRANSPORTATION ENGINEERING DISTRICT 11-0

## ECMS NO. 69070 - SR2085-A05 BIRMINGHAM BRIDGE COMPLEX PRESERVATION PROJECT

public stakeholders meeting

# project overview

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# project team

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- ❑ **OWNER:** PENNDOT Engineering District 11-0
  - ❑ City of Pittsburgh
- ❑ **Design Consultant:** SAI Consulting Engineers
  - ❑ KTA-Tator
- ❑ **Constructor:** Joseph B. Fay
- ❑ **Construction Manager:** Michael Baker
- ❑ **Construction Inspection:** M.A. Beech Corporation
- ❑ **Public Outreach:** OTMA

# work components

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- ❑ Lighting & Sign Replacements
- ❑ Sewer Line at Second Avenue
- ❑ Guiderail Replacement
- ❑ Bridge Deck Rehabilitation
- ❑ Superstructure Repairs
- ❑ Substructure Repairs
- ❑ Superstructure Painting

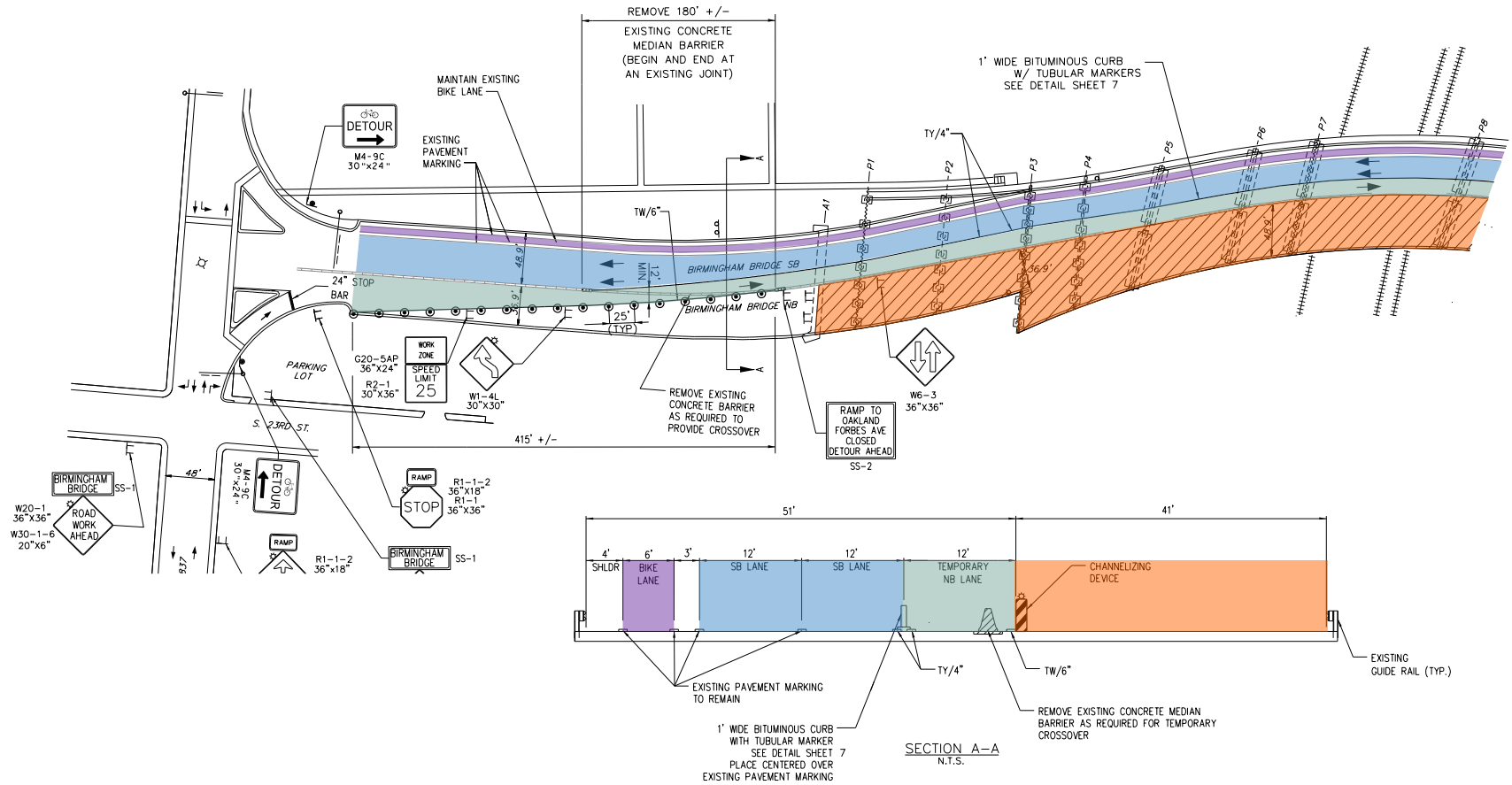
# maintenance & protection of traffic

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- On Bridge Structure Traffic Control
  - ▣ Two (2) Phases
  - ▣ Ramp F Detour (2015)
  - ▣ Ramp E Detour (2016)
  - ▣ Re-open to traffic November through Mar. each year

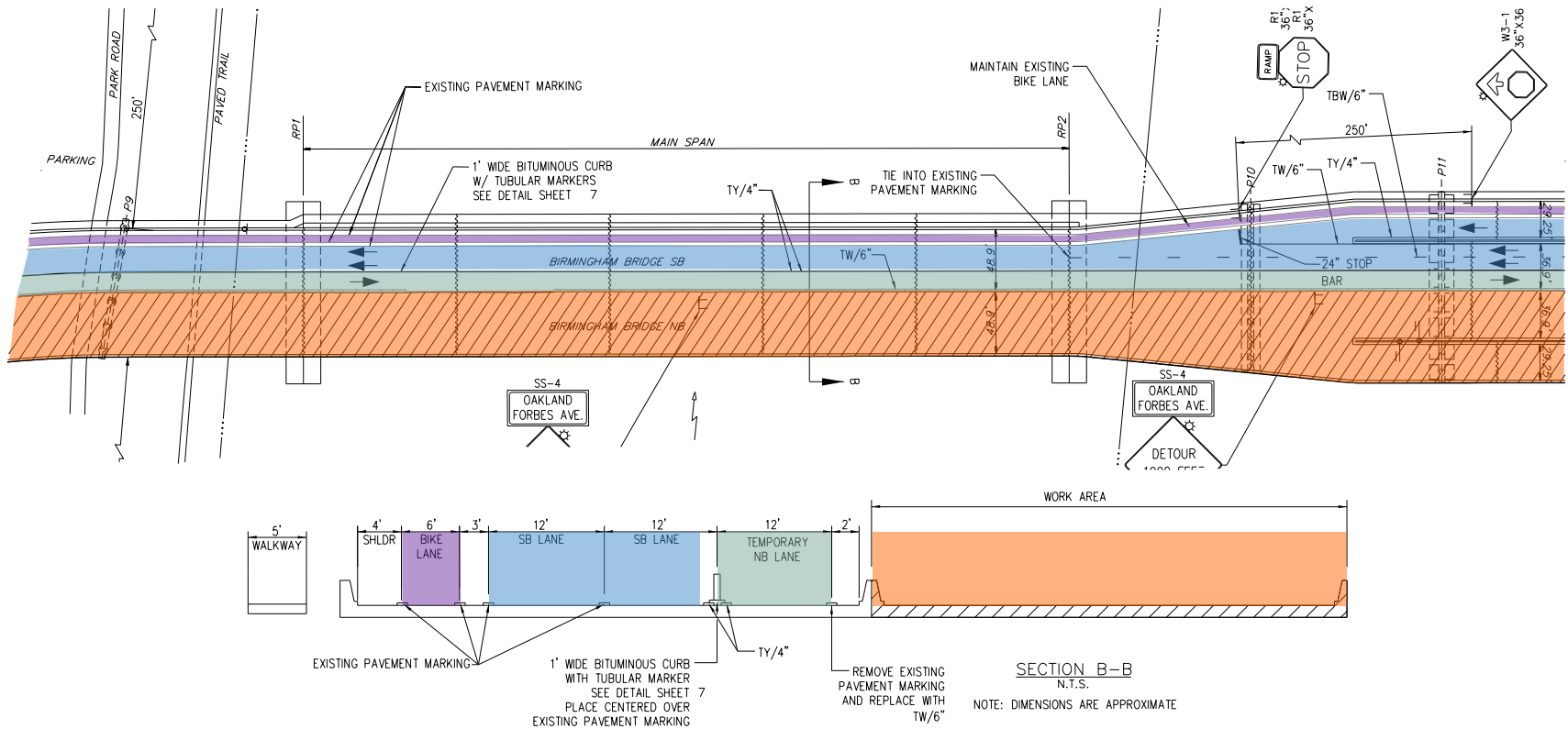
# phase 1

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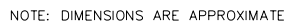
# phase 1

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## 7

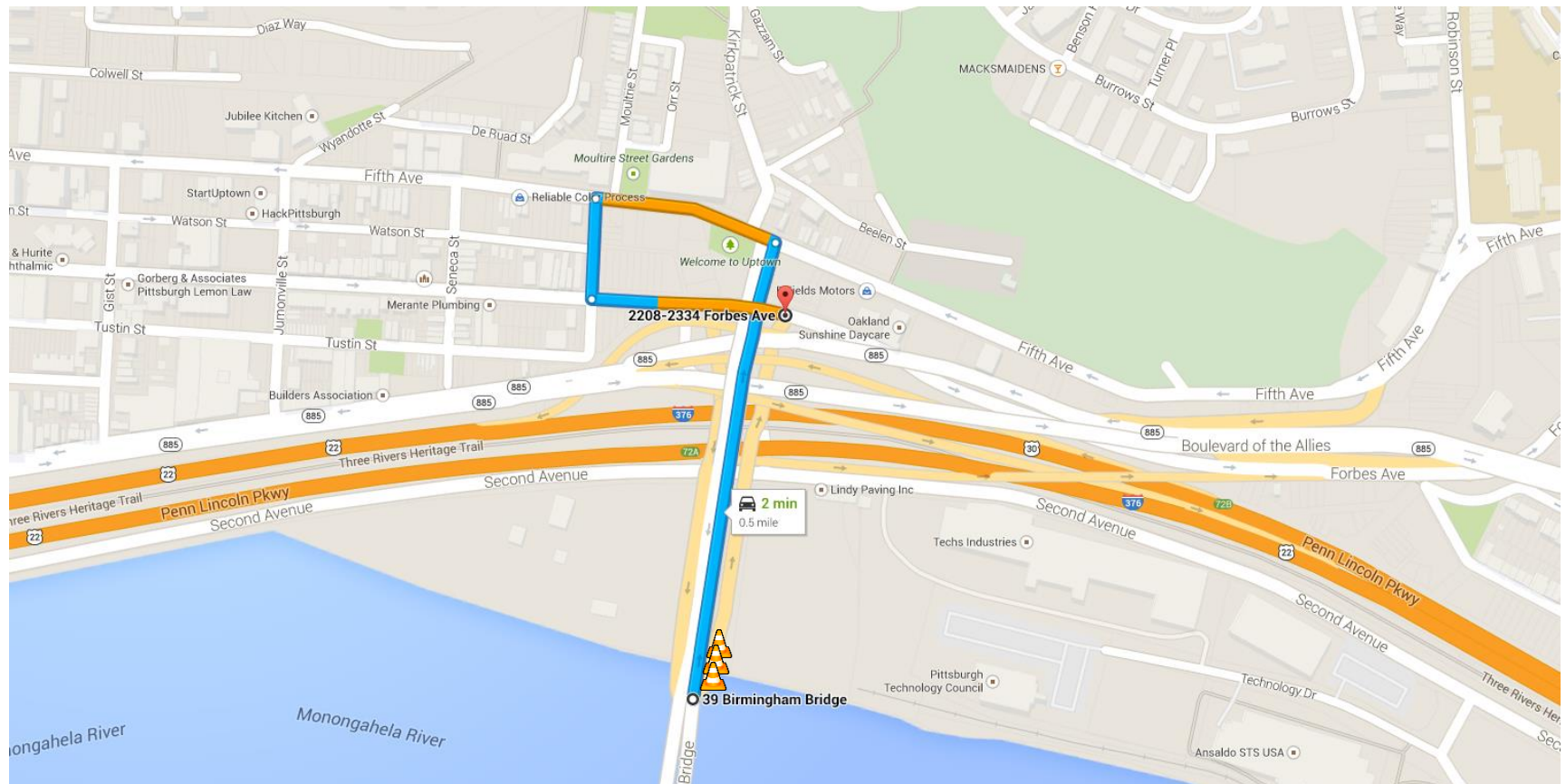




# ramp f detour

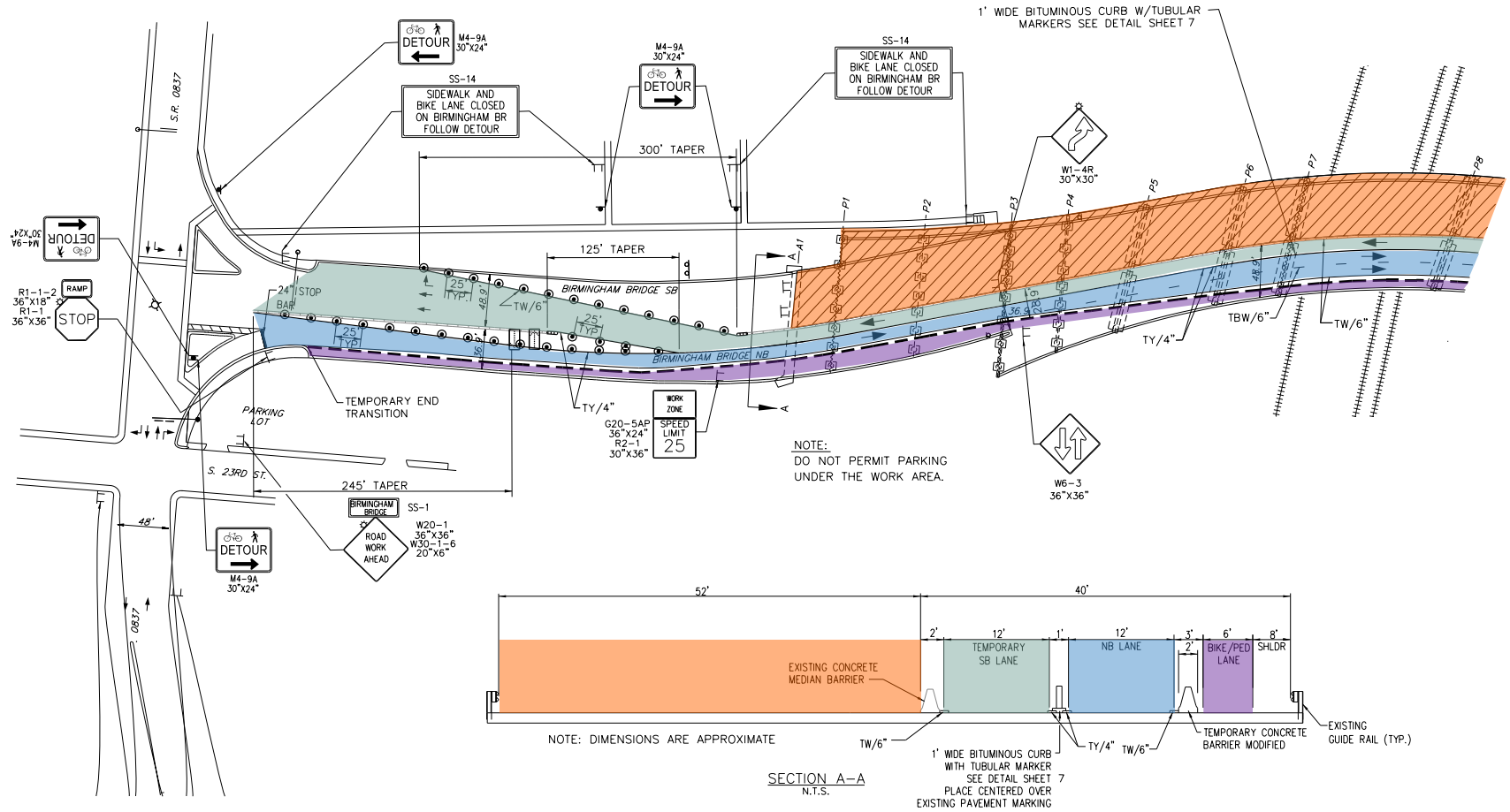
8

For motorists traveling north across the Birmingham Bridge toward Forbes Ave.



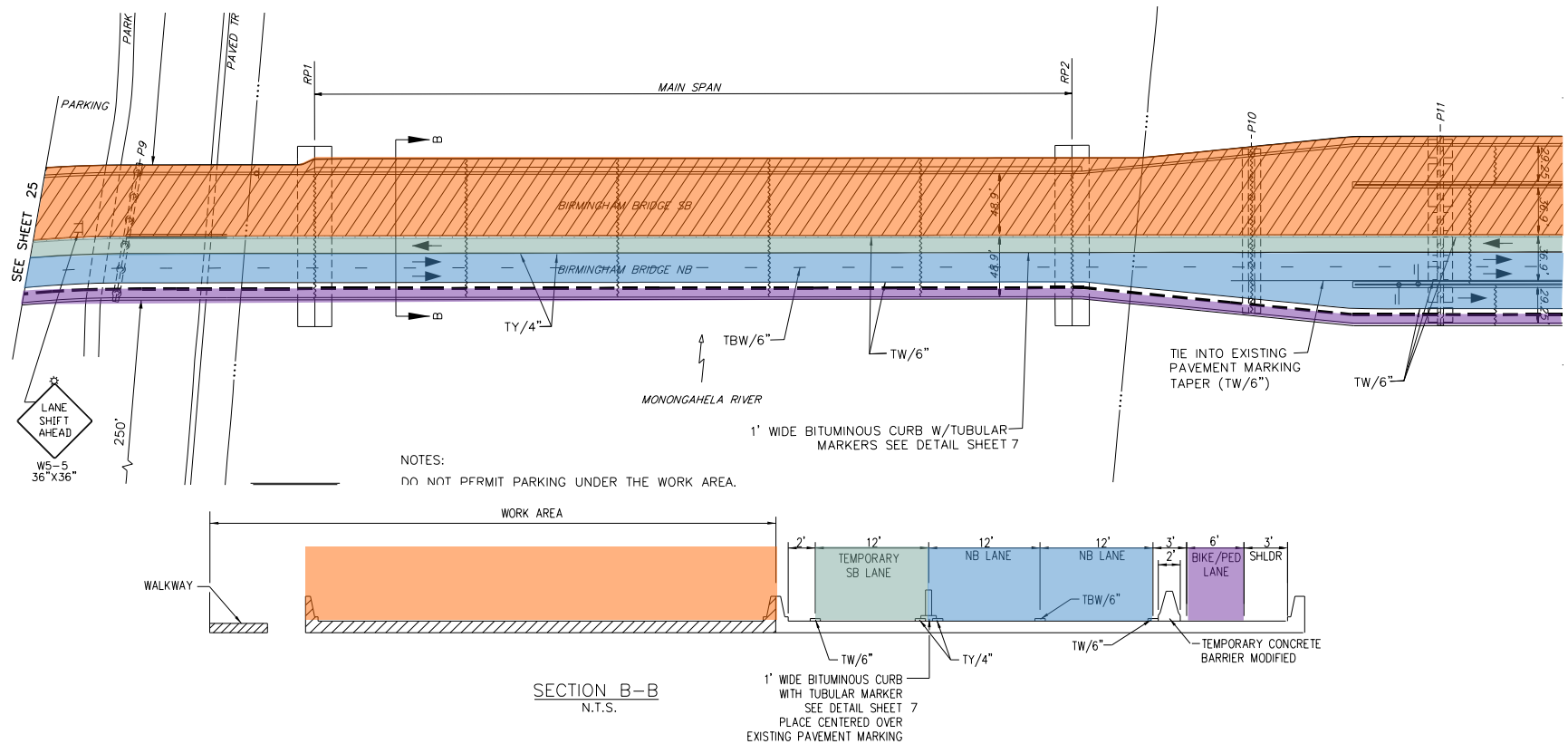
# phase 2

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# phase 2

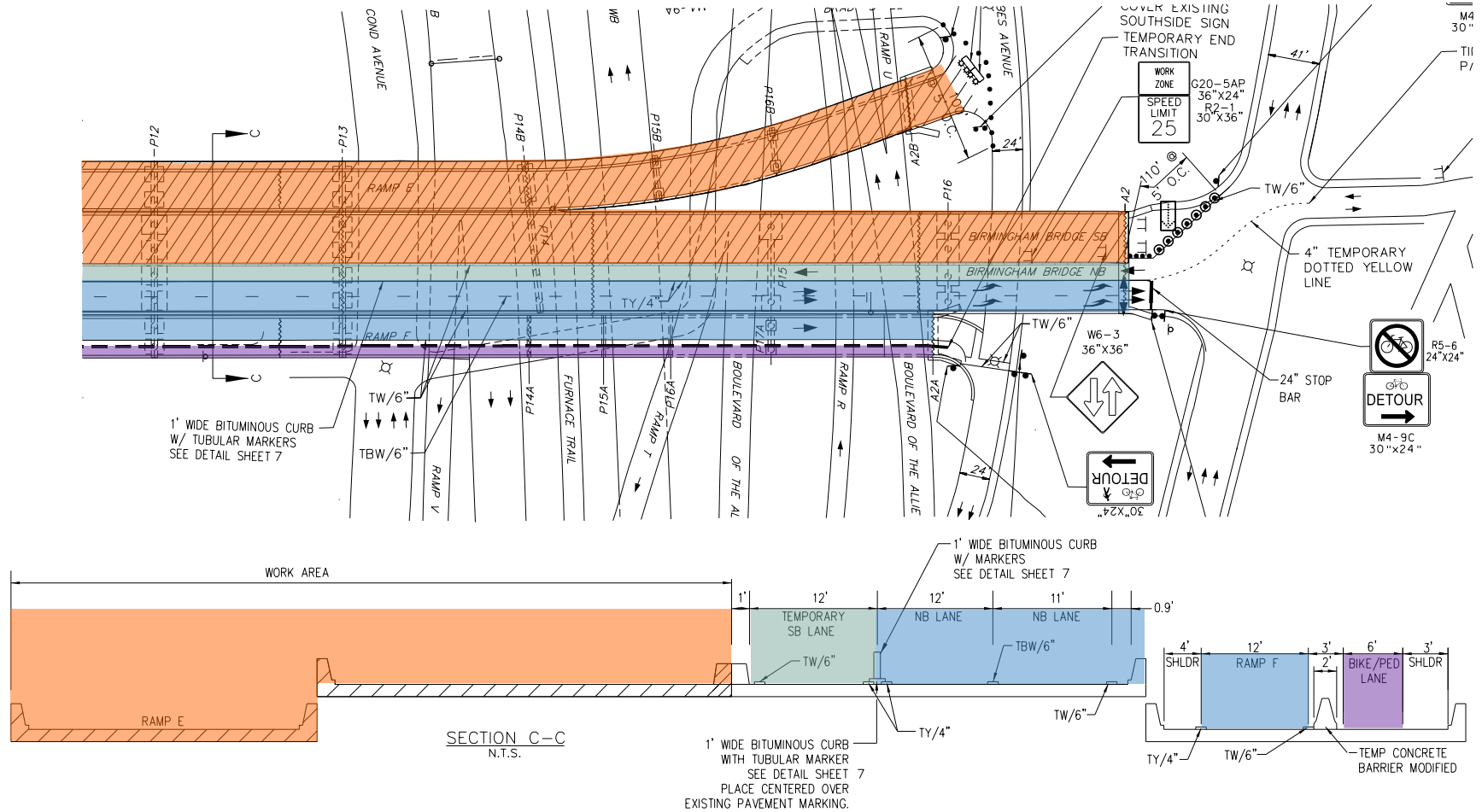
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# phase 2

11

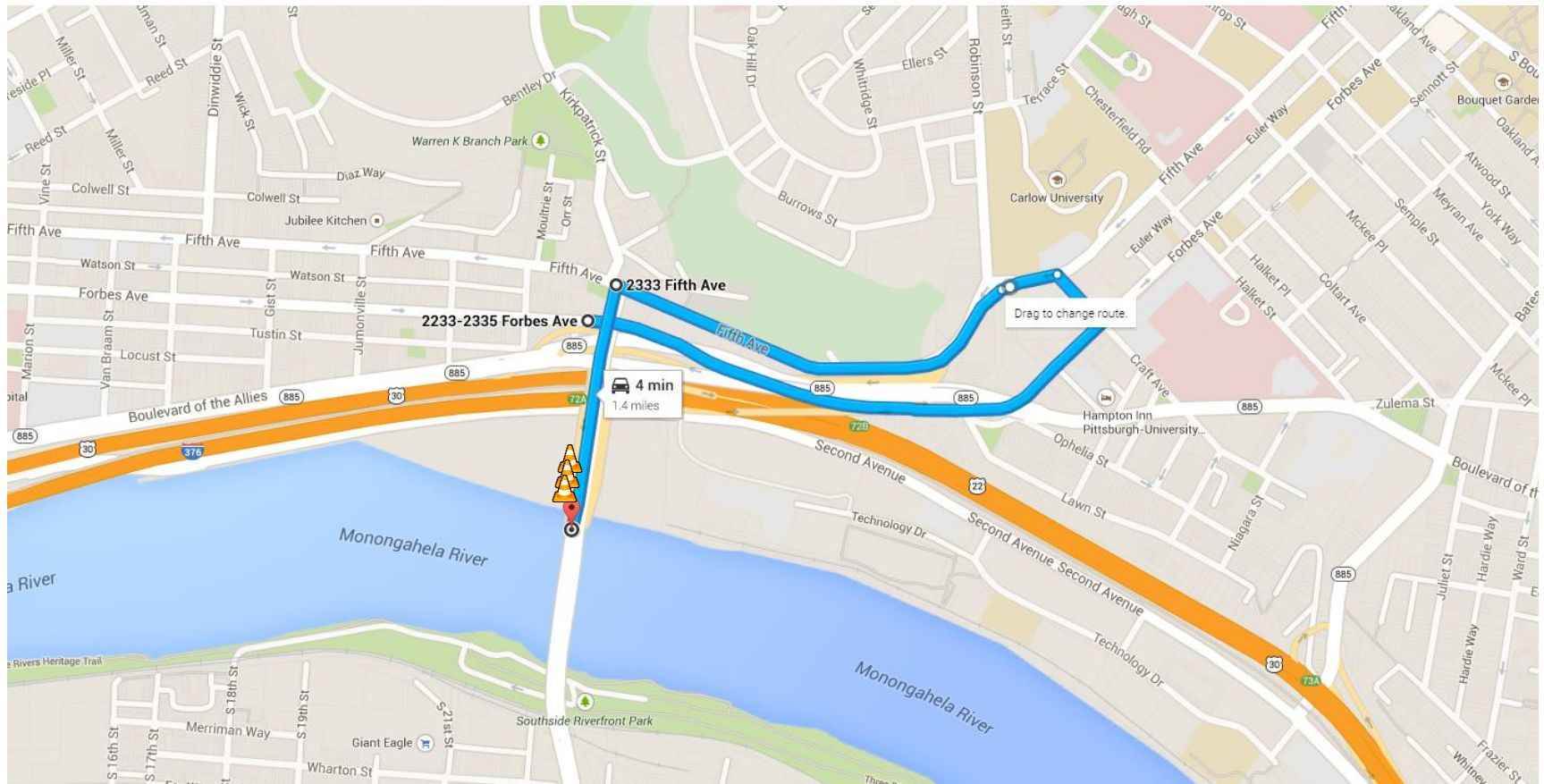




# ramp e detour

12

For motorists traveling from Forbes Ave to cross the Birmingham.



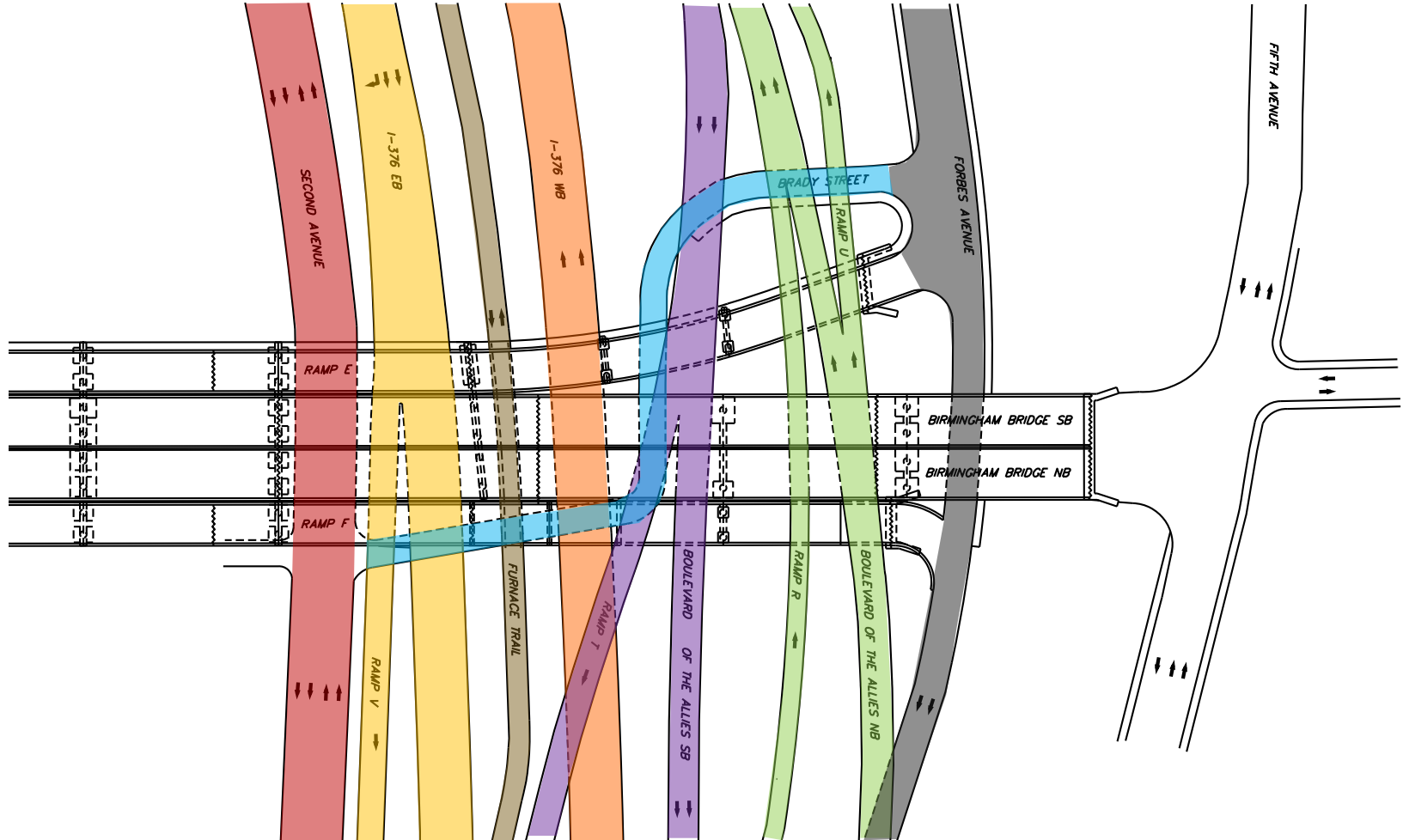
# maintenance & protection of traffic

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- Under Bridge Structure Traffic Control
  - ▣ Restrictions on SR376 Parkway East & West
  - ▣ Boulevard of the Allies
  - ▣ Adjacent ramp closures
  - ▣ City streets

# under bridge restrictions

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# construction schedule

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## □ Important Schedule Dates

### ▣ Mobilization - Currently

- Short term lane restrictions on the bridge 2014 – 2015
- No full closures of the structures until 2015

### ▣ No Traffic Restriction Periods (Single lane restrictions allowed)

- 11NOV15 – 13MAR16
- 13NOV16 – 12MAR17

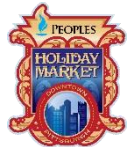
### ▣ Substantial Completion – 08NOV16

### ▣ Final Completion – 30MAY17

# coordination

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## □ Special Events/Holidays



- Coordination with other construction projects.
- Regular meetings with District 11-0 Traffic Unit prior to implementing traffic restrictions or detours.

# construction sequence

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## □ 2014 Construction Season

- ▣ Setup Containment and Begin Blasting/Prime Painting
- ▣ Begin Steel Repairs

## □ 2015 Construction Season

- ▣ Painting, Steel Repairs, Structural Repairs, Latex Overlay
- ▣ Open Bridge to Unrestricted Traffic

## □ 2016 Construction Season

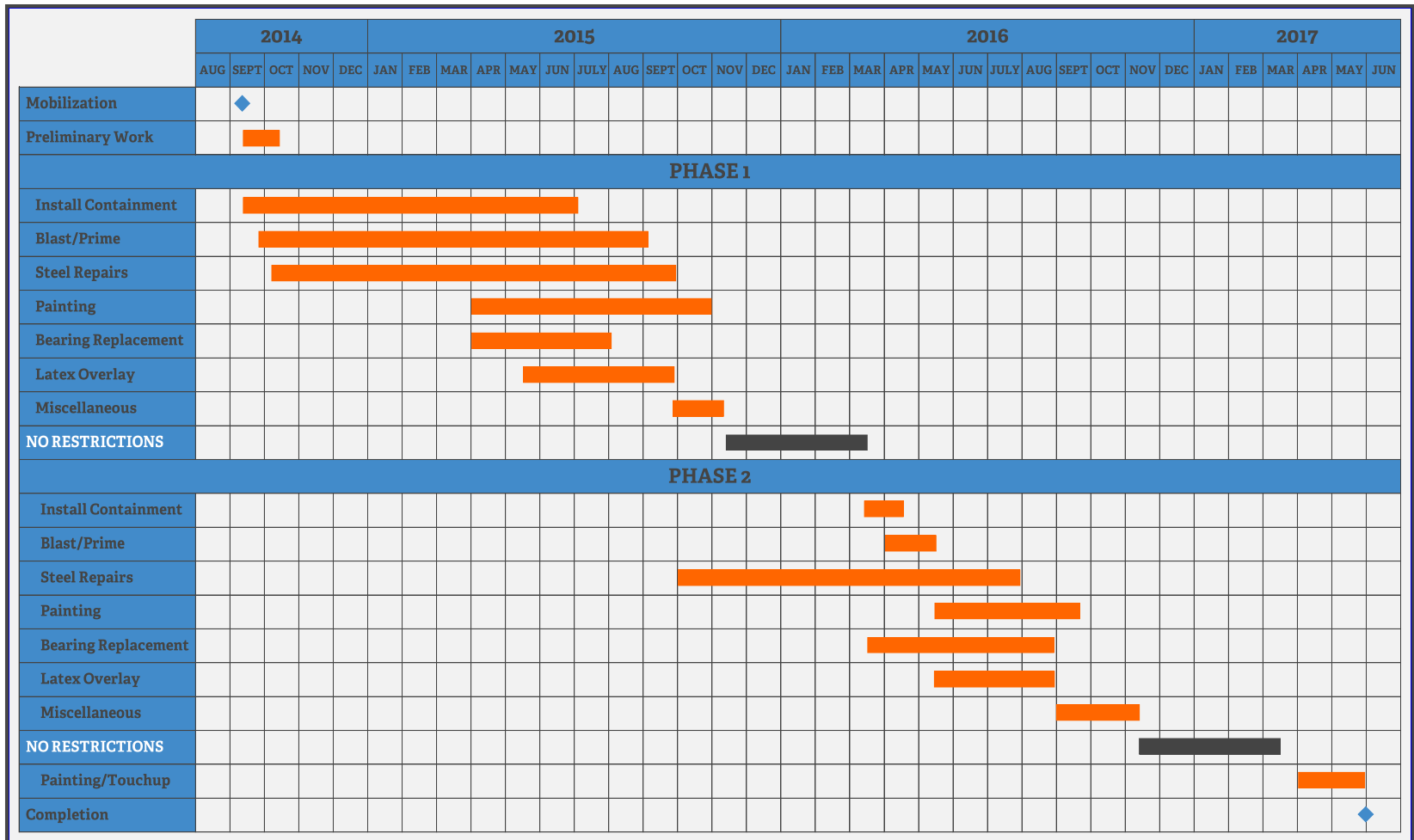
- ▣ Painting, Steel Repairs, Structural Repairs, Latex Overlay
- ▣ Open Bridge to Unrestricted Traffic

## □ 2017 Construction Season

- ▣ Painting & Touchup, Punch-list Activities
- ▣ Project Completion

# construction sequence

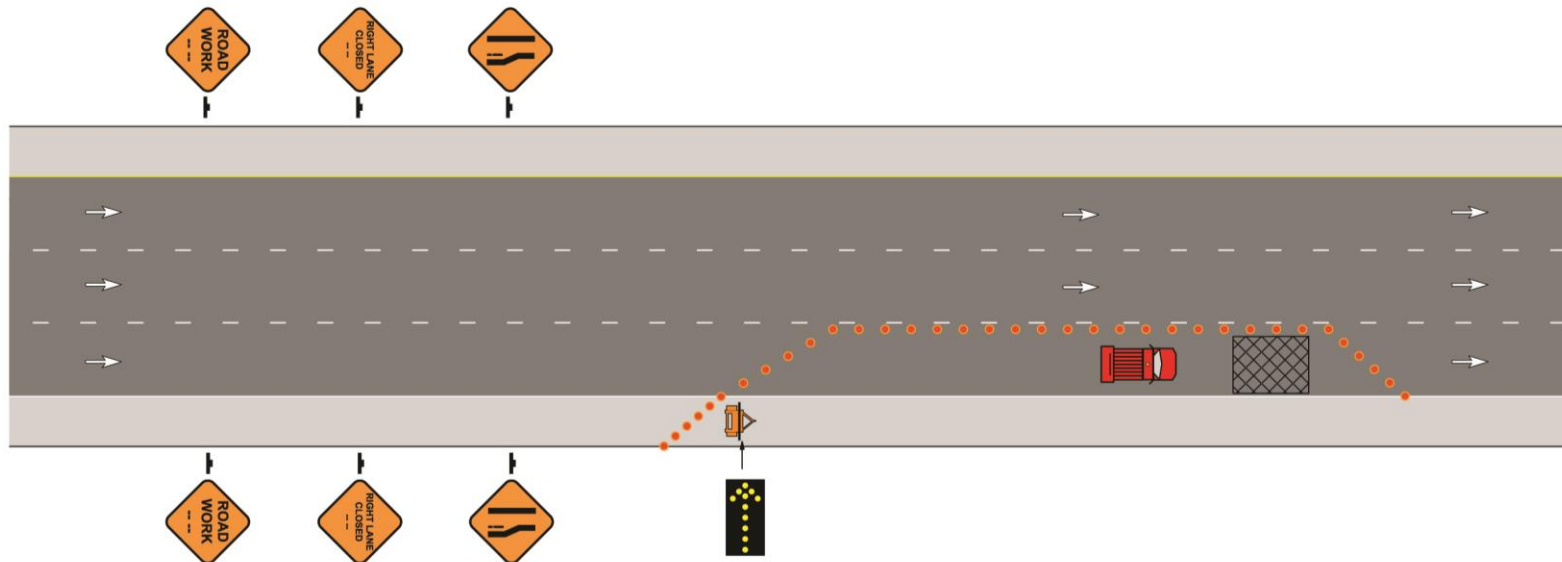
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# current/future operations

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- **Blast and Prime Spans 1 thru 5** (Sept. 22, 2014 - Oct. 31, 2014)
- **Steel Repairs to Spans 1 thru 5** (Oct. 6, 2014 – Dec. 31, 2014)
- **Steel Repairs for Spans 6 thru 19, Ramp “F,” and Ramp “E”** (Nov. 1, 2014 – Mar. 2015)
- **Verify Bearing Dimensions** (Oct. 6, 2014 – Mar. 2015)
- **Single Lane Closures for Safe Span Install - 9:00 a.m. – 3:00 p.m.** (Oct. 6, 2014 – Mar. 2015)



# contact info

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- **OTMA** (Public Coordination)
  - ▣ **Telephone Hotline:** (412) 687-4505
  - ▣ **Project Website:** <http://birmingham.otmapgh.org/>
  
- **PENNDOT**
  - ▣ **ACE:** Douglas Thompson, P.E. - (412) 429-5060
  - ▣ **IIC:** Steve Halligan - (412) 738-0564
  - ▣ **Press Officer:** Steve Cowan - (412) 429-5010
  - ▣ **Customer Care Center:**  
<http://www.dot.state.pa.us/pennndot/districts/district11/d11ccc.nsf>

# questions

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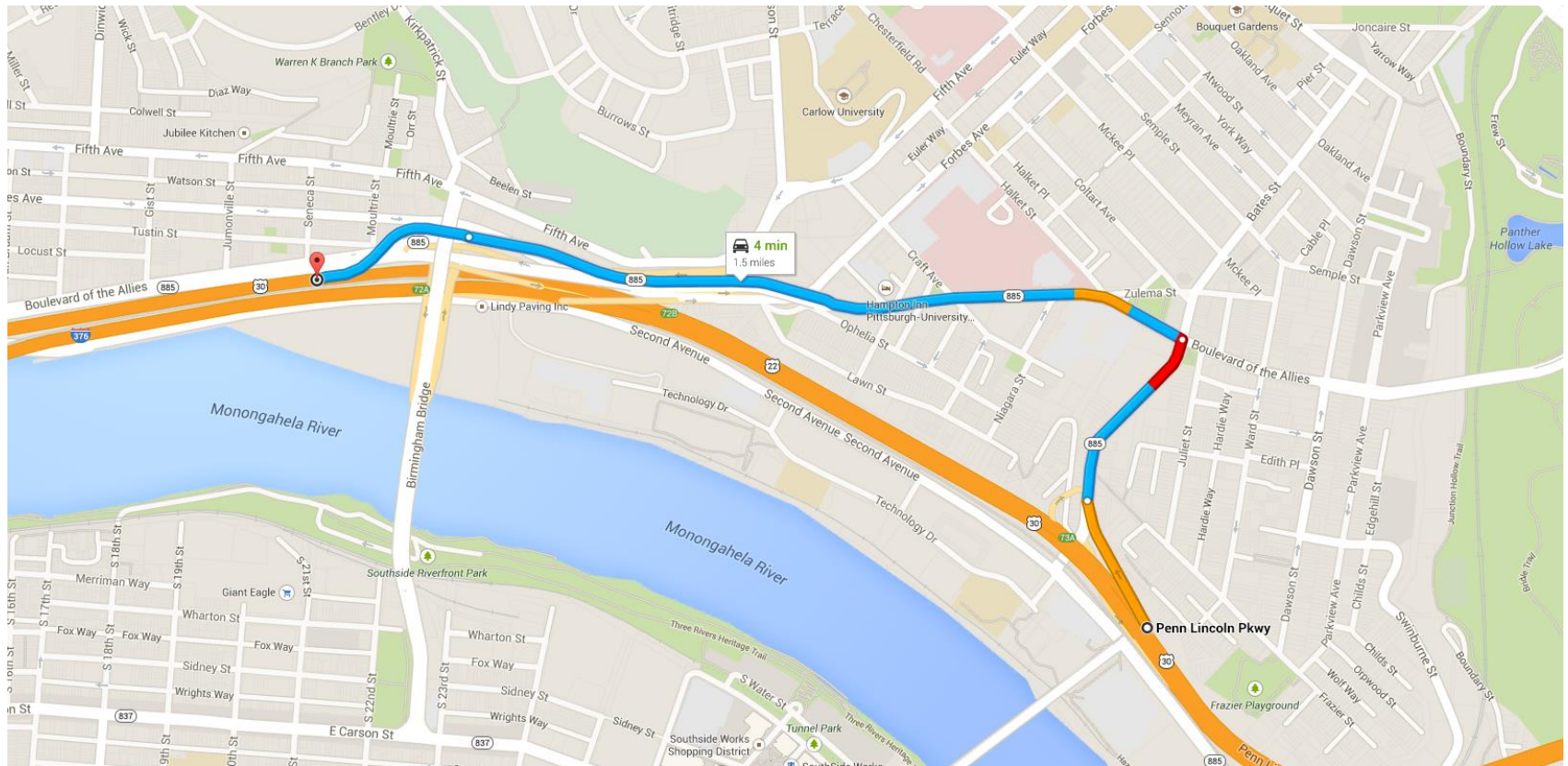




# sr 0376 wb

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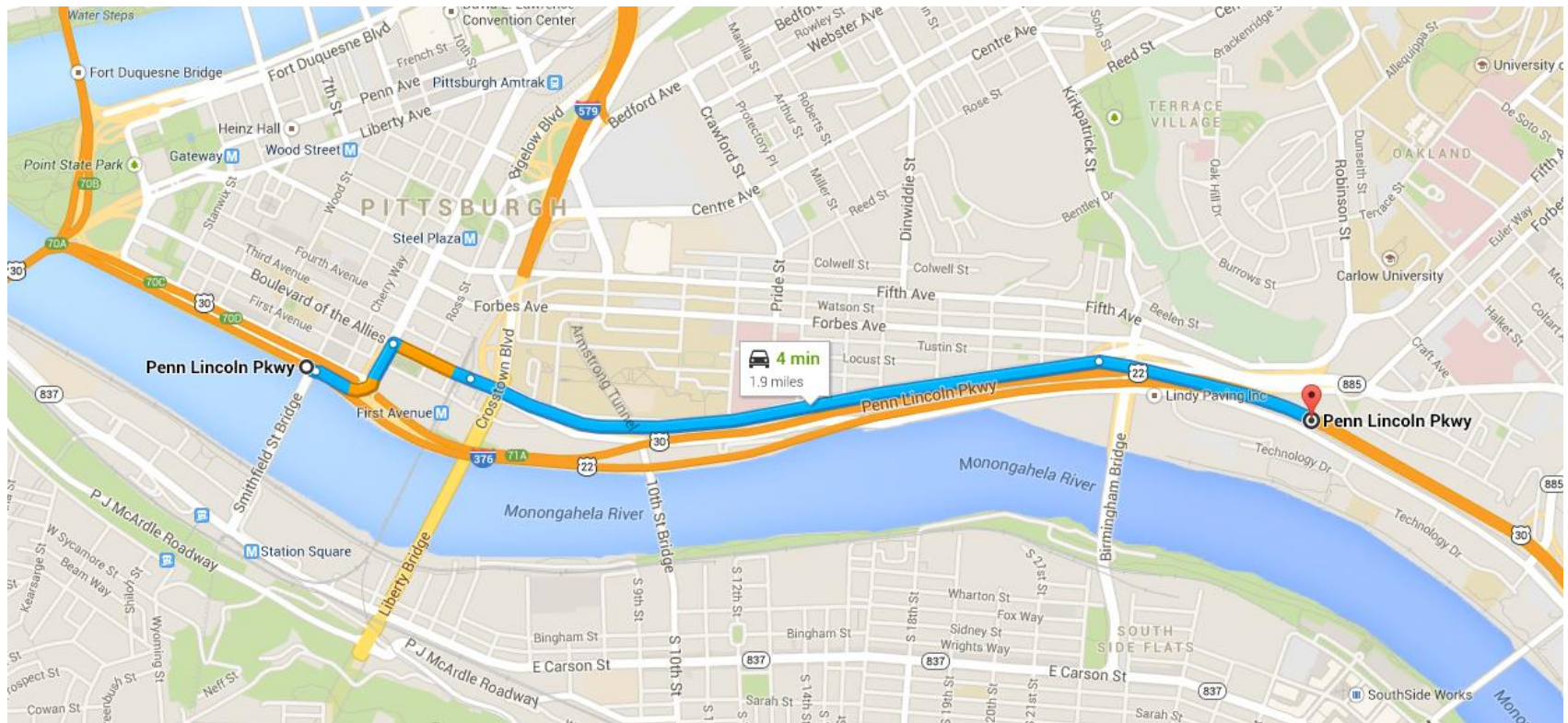
DESIGN/BUILD: Exit (73B) to SR 0885 (Bates Street) to SR 0885 (Boulevard of the Allies) to SR 8004 (Ramp U).



# sr 0376 eb with sr 8004 (ramp v)

23

DESIGN/BUILD: Exit (71A) to Grant Street to SR 0885 (Boulevard of the Allies) to SR 8004 (Ramp T). This will end the detour for SR 0376 Eastbound. Ramp V traffic will continue on SR 0885 (Boulevard of the Allies) to Craft Avenue to Forbes Avenue.

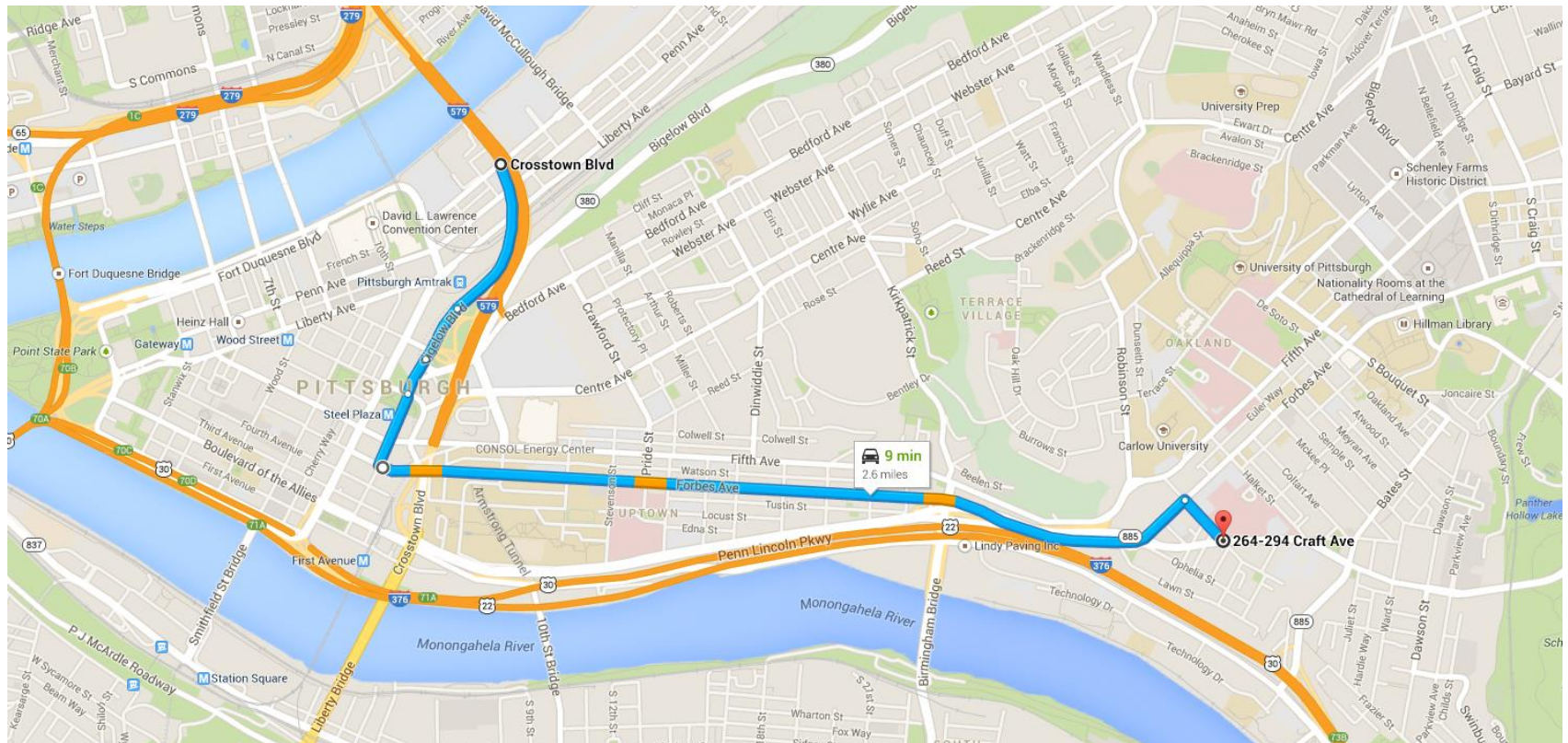




# sr 0885 sb (boulevard of the allies)

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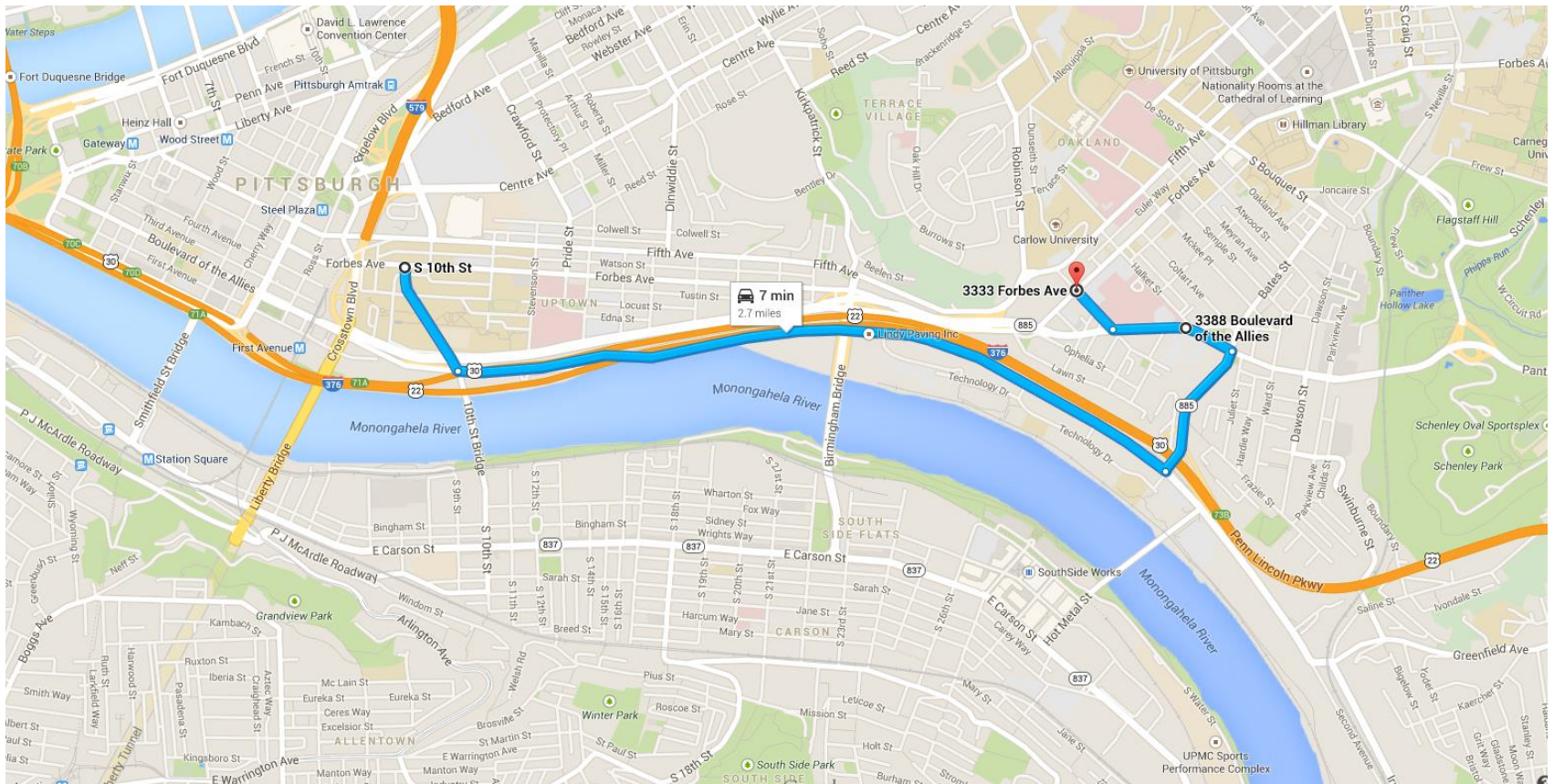
DESIGN/BUILD: From SR 0579 (Crosstown Boulevard) to 6th/7th Avenue Exit to 6th Avenue Exit to SR 0380 (Bigelow Boulevard) to Bigelow Square to Ross Street to Forbes Avenue to Craft Avenue. Also, from Liberty Bridge to Forbes Avenue to Craft Avenue.



# forbes avenue

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DESIGN/BUILD: Armstrong Tunnel to Second Avenue to SR 0885 (Bates Street) to SR 0885 (Boulevard of the Allies) to Craft Avenue.

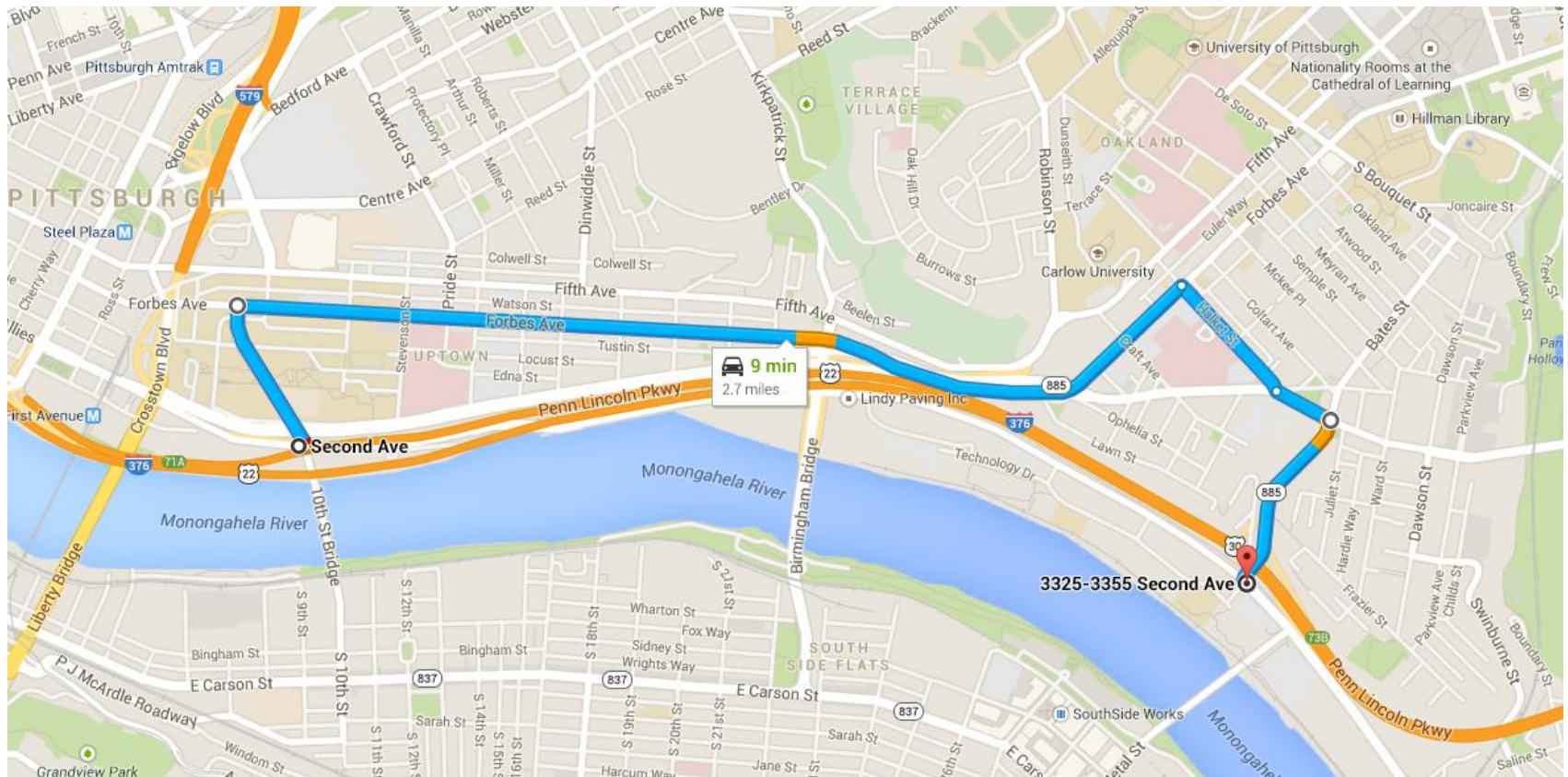




# second avenue sb

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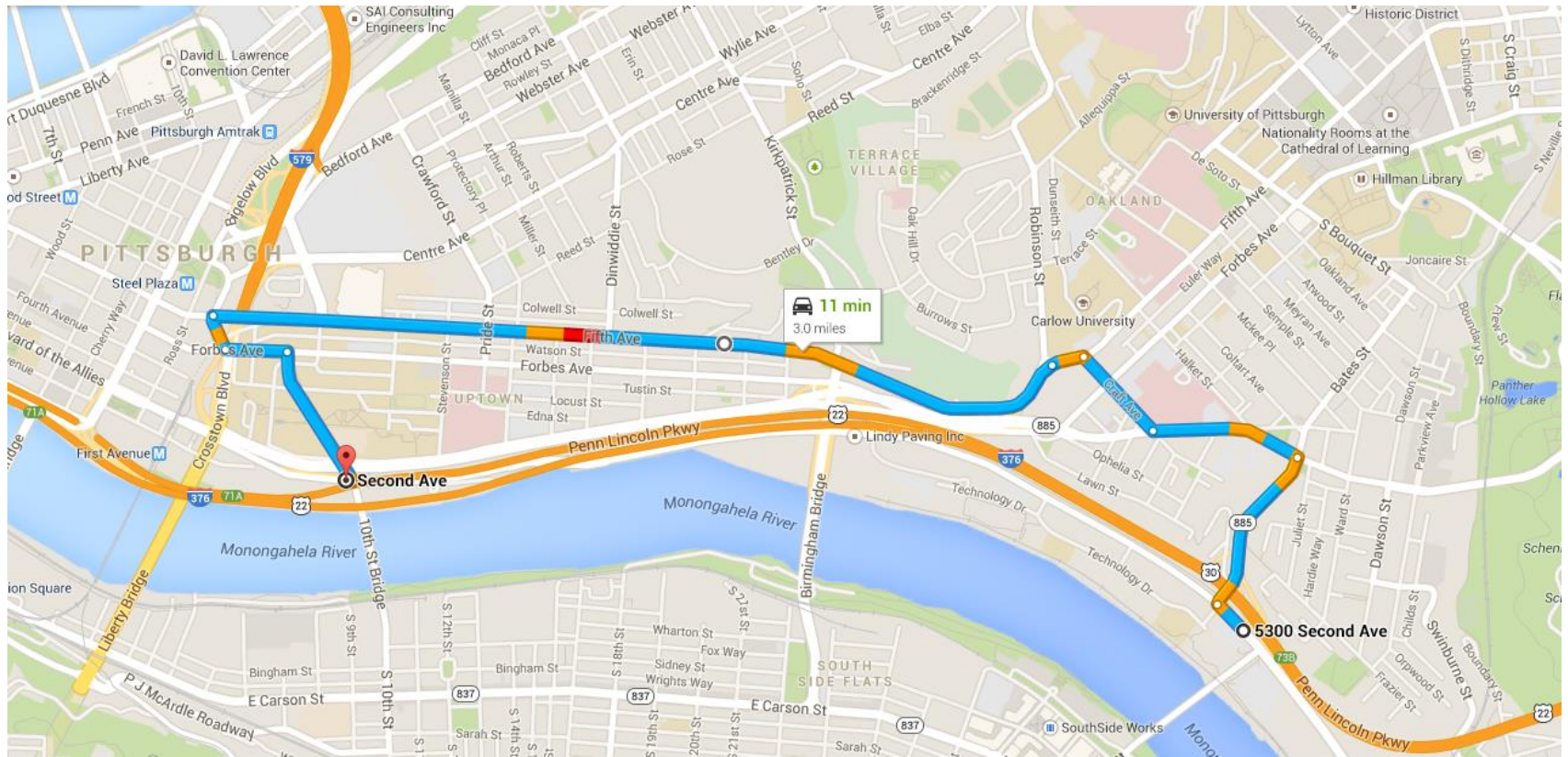
DESIGN/BUILD: Armstrong Tunnels to Forbes Avenue to Craft Avenue to SR 0885 (Boulevard of the Allies) to SR 0885 (Bates Street).



# second avenue nb

27

DESIGN/BUILD: SR 0885 (Bates Street) to SR 0885 (Boulevard of the Allies) to Craft Avenue to Fifth Avenue to Sixth Avenue to Forbes Avenue to Armstrong Tunnels.



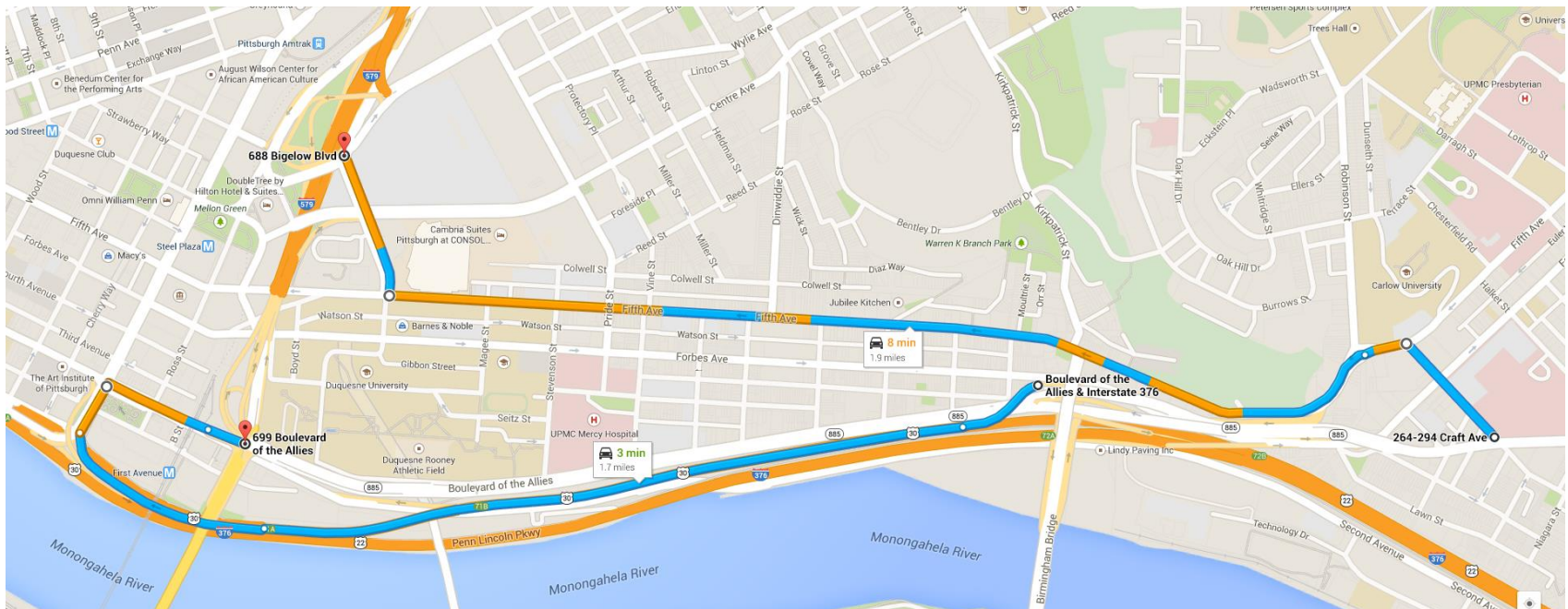


# sr 885 nb

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For traffic from SR 0885 NB to SR 0579 NB. From SR 0885 (Boulevard of the Allies) Northbound to Craft Avenue to Forbes Avenue to Washington Place.

For traffic from SR 0885 NB to downtown. From SR 0885 (Boulevard of the Allies) Northbound to SR 0376 Westbound to Exit (71A) to Grant Street to SR 0885 (Boulevard of the Allies).



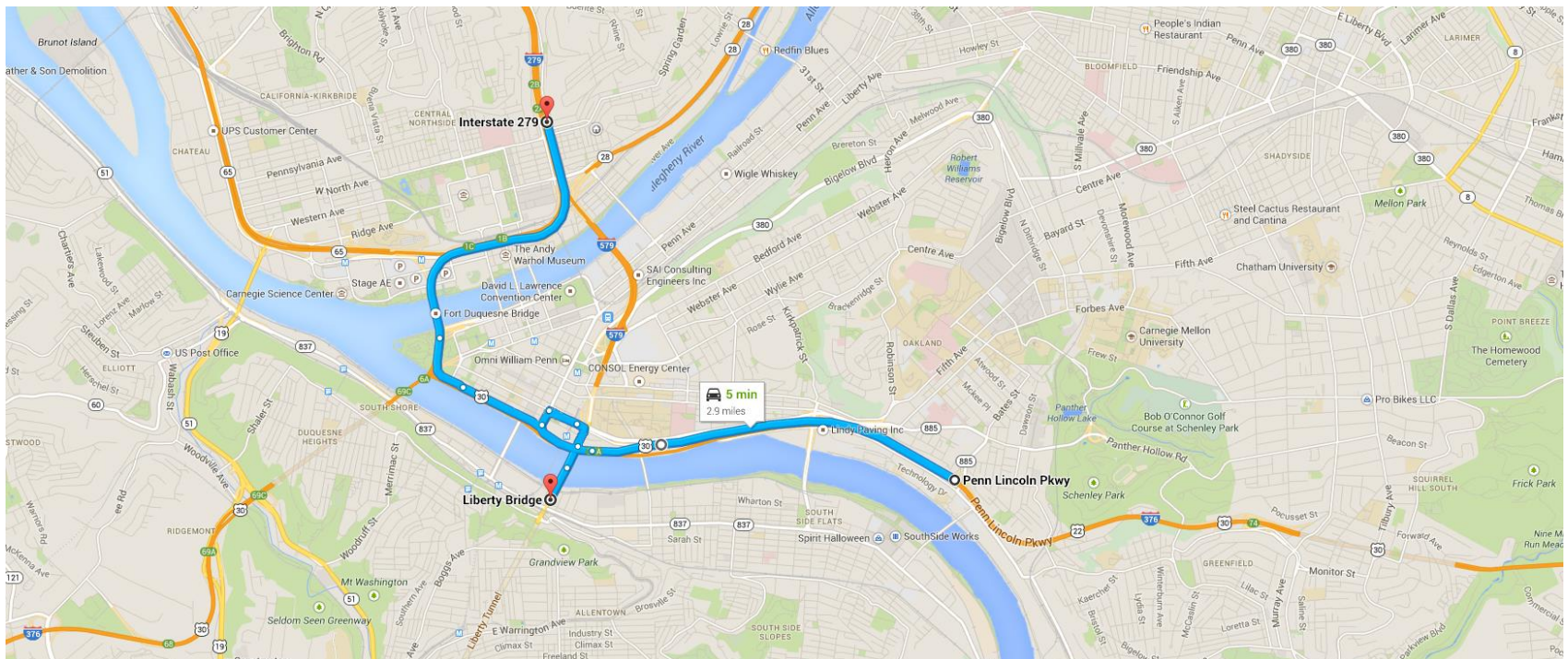


# ramp r

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For traffic on SR 0376 Westbound to SR 0279. Continue on SR 0376 Westbound to Exit (70C) to SR 0279 NB.

For traffic on SR 0376 Westbound to Liberty Bridge. Continue on SR 0376 Westbound to Exit (71A) to Grant Street to SR 0885 SB (Boulevard of the Allies) to US 0019 (Liberty Bridge).

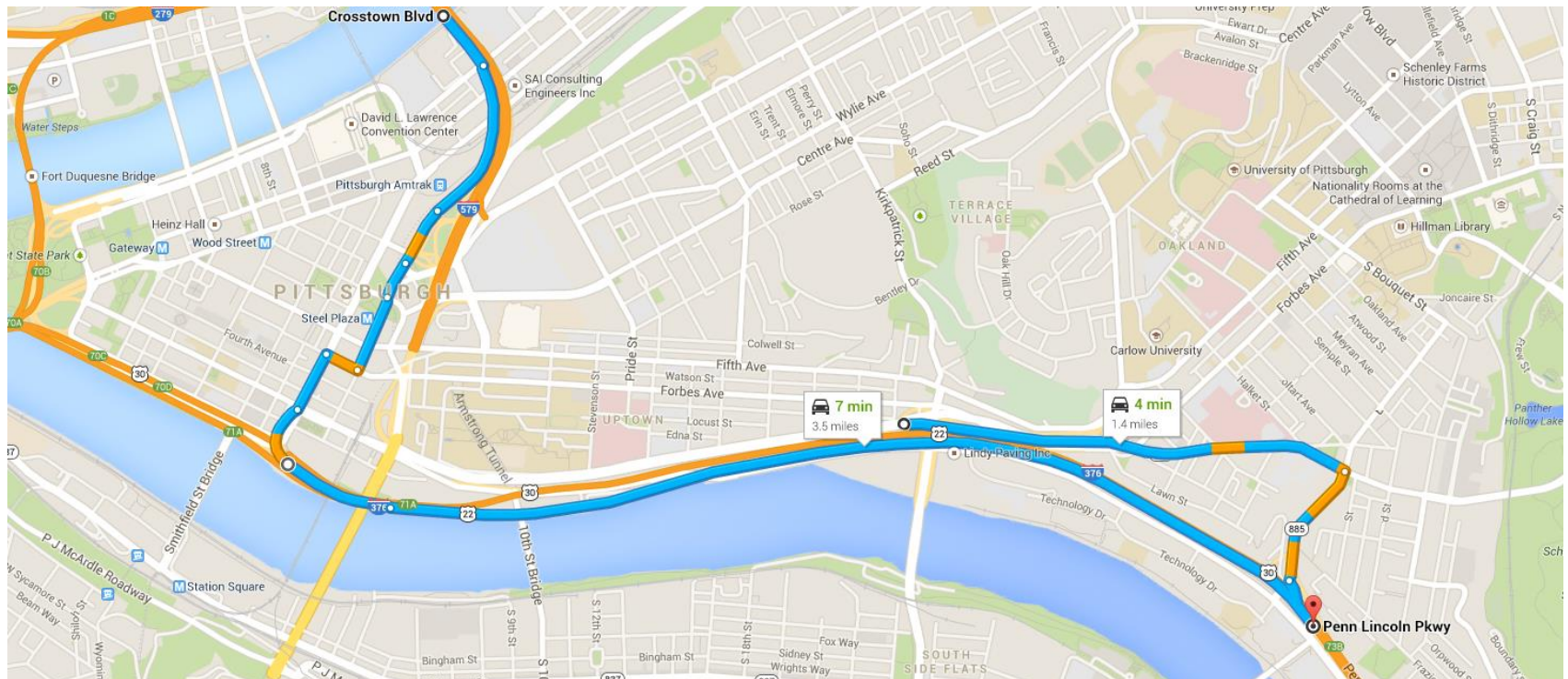


# ramp t

30

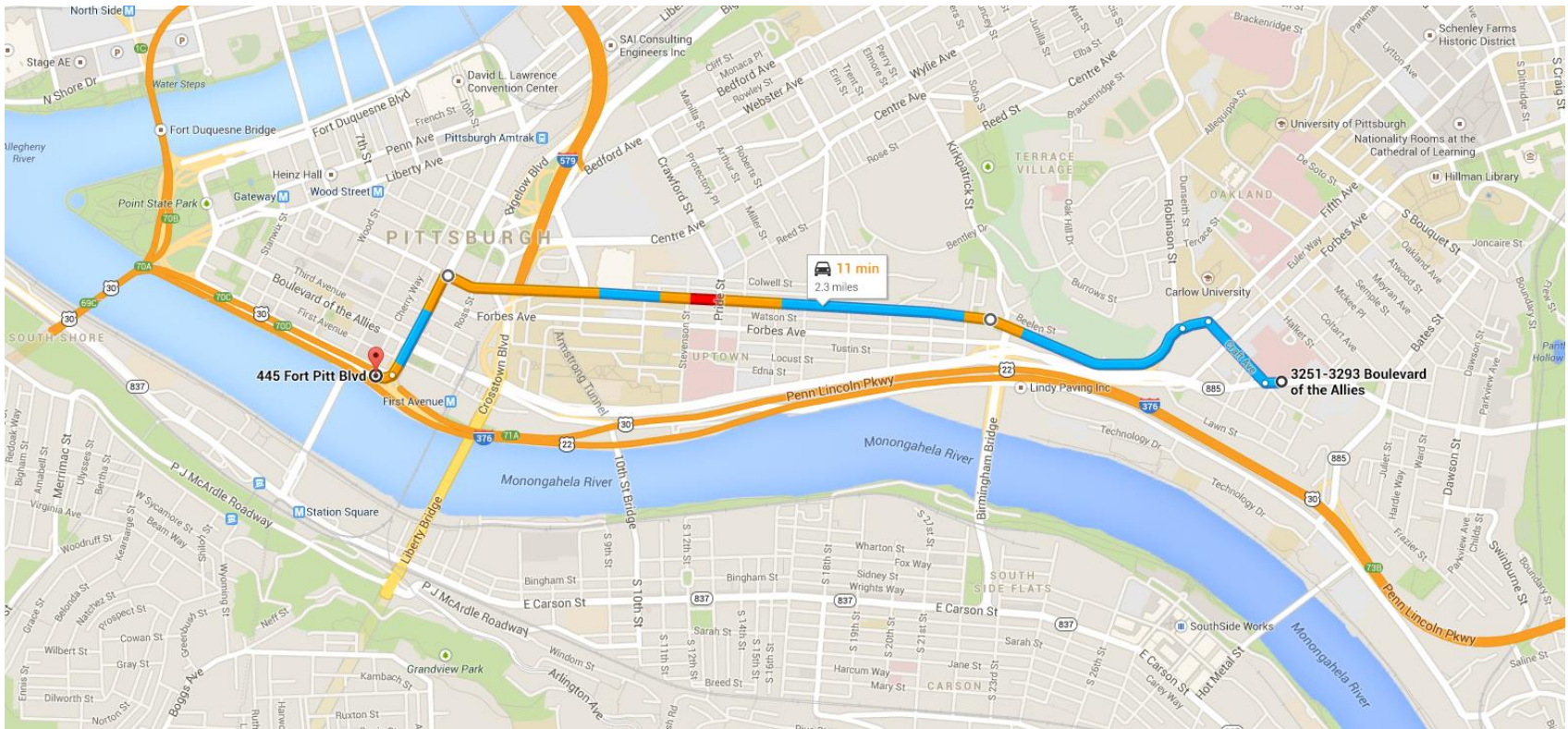
For traffic on SR 0885 (Boulevard of the Allies SB) to SR 0376 Eastbound. Continue on SR 0885 Southbound to Bates St to SR 376 Eastbound.

For traffic on SR 579 Southbound to SR 0376 Eastbound. Exit onto Seventh Avenue, to Grant Street to SR 376 Eastbound.





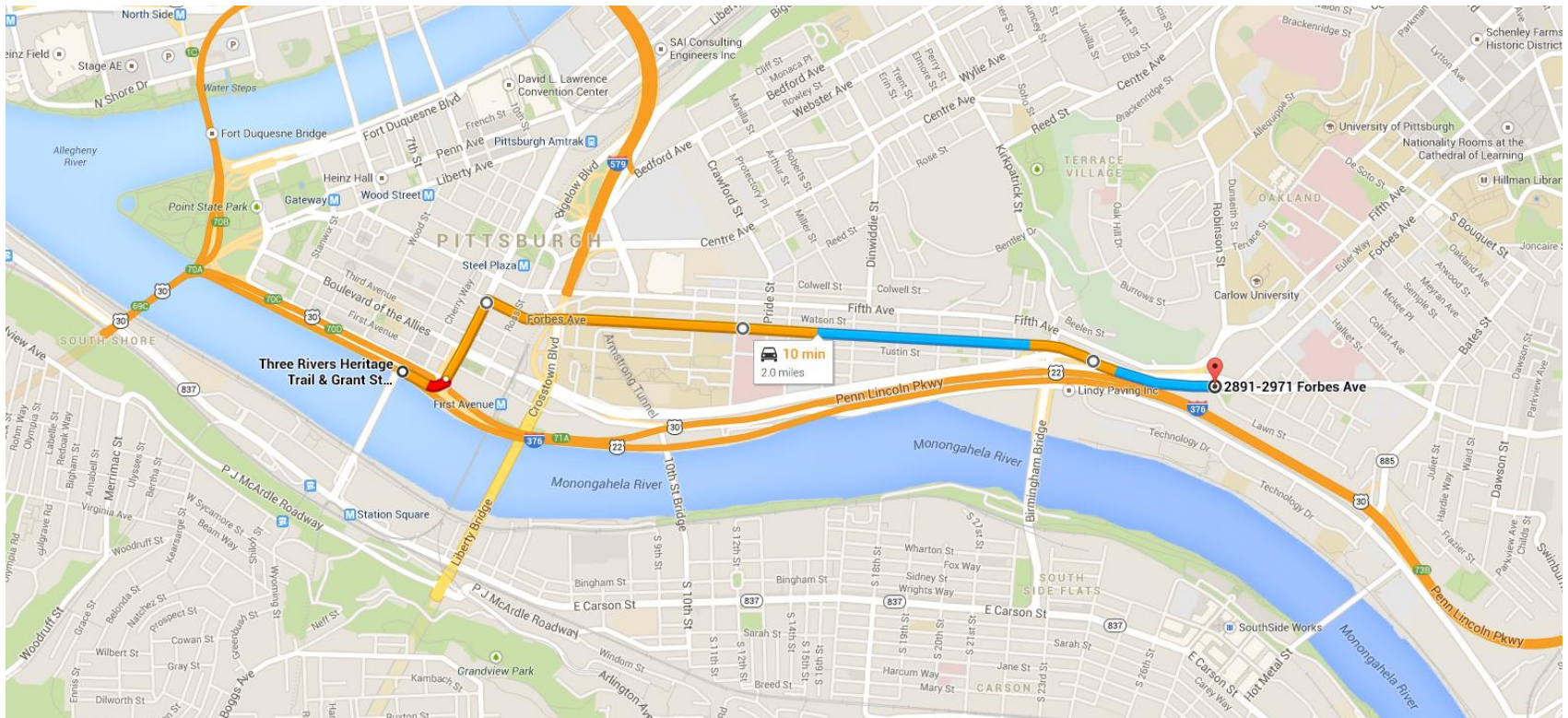
For traffic on SR 0885 (Boulevard of the Allies) Northbound to SR 0376 Westbound. From SR 0885 SB to Craft Avenue to Fifth Avenue to Grant Street to SR 0376 Westbound.



# ramp v

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For traffic on SR 0376 Eastbound to Forbes Avenue. Exit (71A) to Grant Street to Forbes Avenue.





# brady st

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For traffic on Forbes Avenue to Second Ave. From Forbes Avenue to Moultrie St to Fifth Avenue to Sixth Avenue to Forbes Avenue to South 10<sup>th</sup> Street (Armstrong Tunnel) to Second Avenue.

