



# MLK PROJECT

# Update

PORTSMOUTH

**February 19, 2013**  
Council Briefing

# Briefing Purpose

To discuss the proposed Downtown and Midtown Tunnel Projects and the Martin Luther King Boulevard Extension project.

These projects will have a major impact to the City of Portsmouth, both during and after construction is complete.

# Introduction

**Presentation will contain 6 major topics**

1. History
2. General Information
3. Economic Development
4. Traffic
5. Parcel Acquisition
6. Next Steps

# 1. History

**Project initially began in 1990, halted in 2000 and restarted in 2006.**

**Briefings for City Council provided**

Briefing July 8, 2008

Briefing March 9, 2009

**One of the largest construction projects in the United States.**

\$2.1 Billion



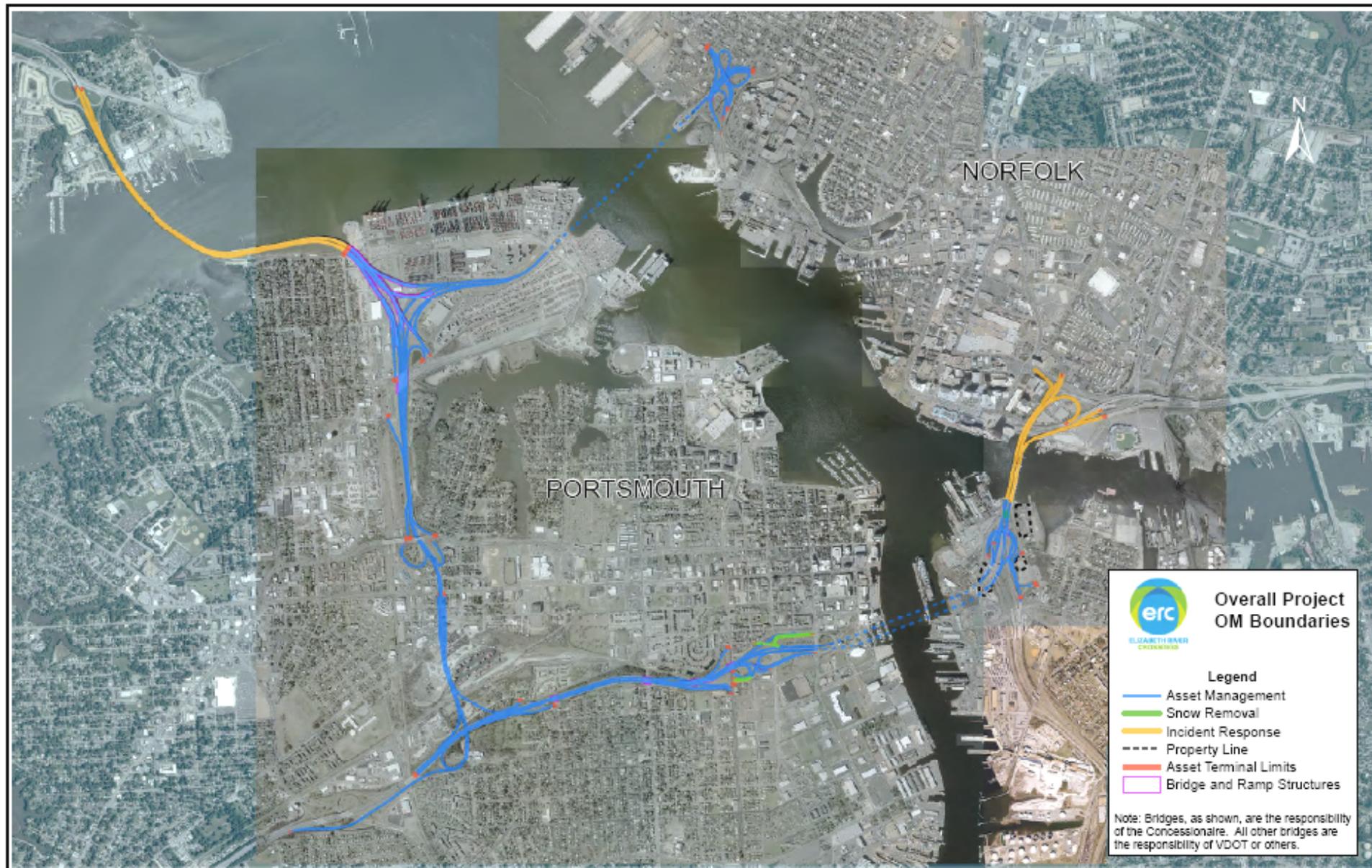
## 2. General Information

- Boundaries
- Project Timeline
- Other Construction Information
- Capital Investment
- Project Funding
- Tolls
- MLK Design
- Pedestrian Bridge

# Boundaries

- Overall
- Tunnels
- MLK Extension

# Overall Map



# Project Area





# Existing MLK Expressway





Yellow highlighted road denotes the area of the MLK Extension

# Construction Timeline

- Overall
- New Tunnel Construction
- MLK Extension
- Old Tunnel Rehabilitation
  - Downtown Tunnel
  - Midtown Tunnel

# CONSTRUCTION TIMELINE

2012                      2013                      2014                      2015                      2016                      2017                      2018

New Midtown Tunnel Construction: November 2012 - September 2016

Dredging 2013-2014  
 Portsmouth Approach (Feb 2013 - June 2015)  
 Tunnel Placement 2014-2015  
 Tunnel Complete: Sept 2016

MLK Extension Construction: October 2012 - March 2016

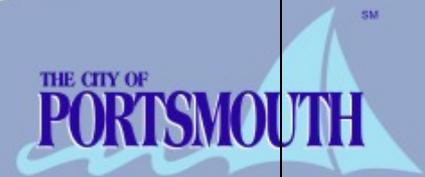
Phase I  
 Phase II  
 Phase III  
 I-264 widening (eastbound)  
 I-264 widening (westbound)

Tunnel Rehabilitation: October 2013 - August 2018

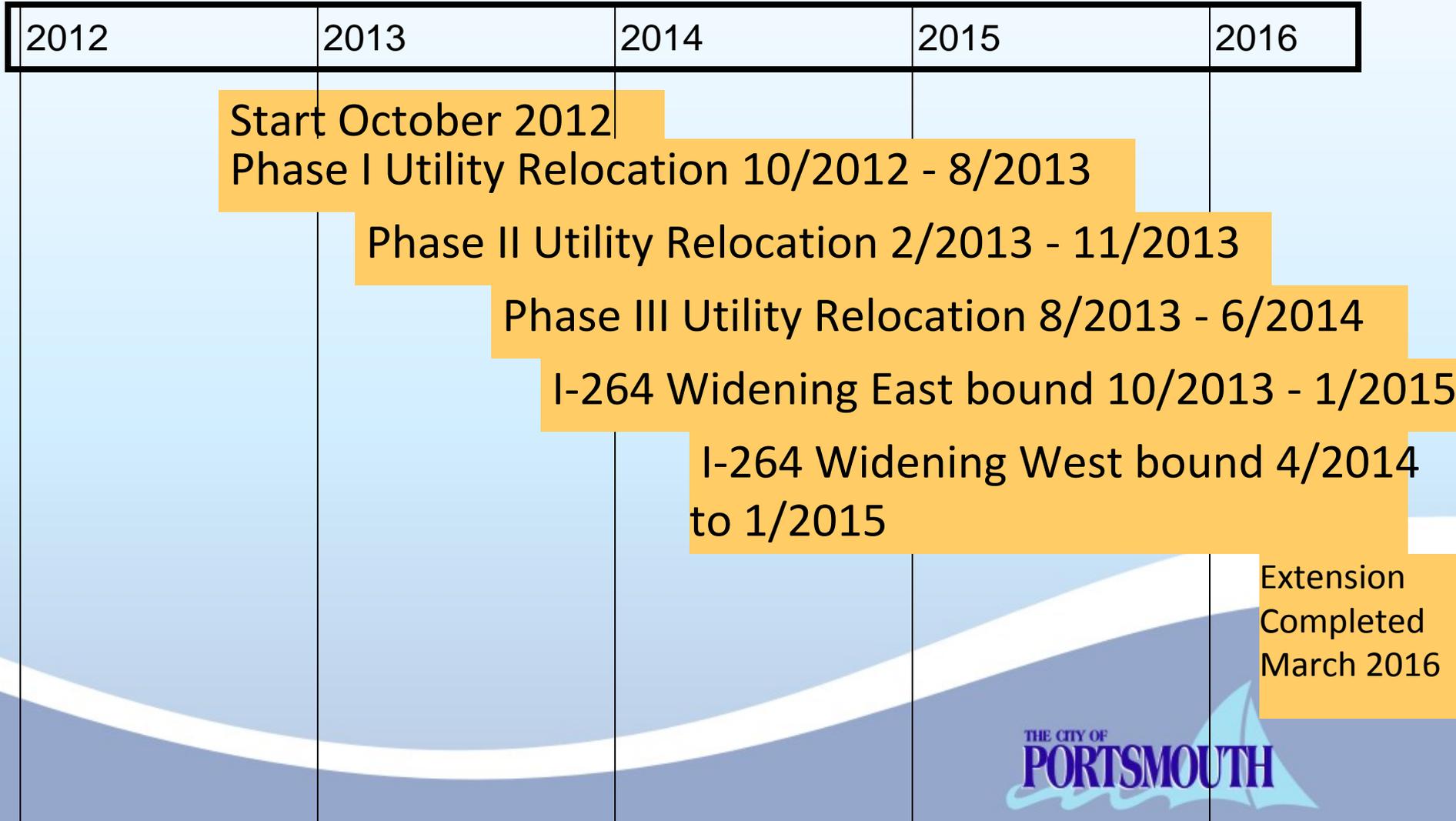
Downtown Tunnel (Westbound)  
 Downtown Tunnel (Eastbound)  
 Midtown Tunnel



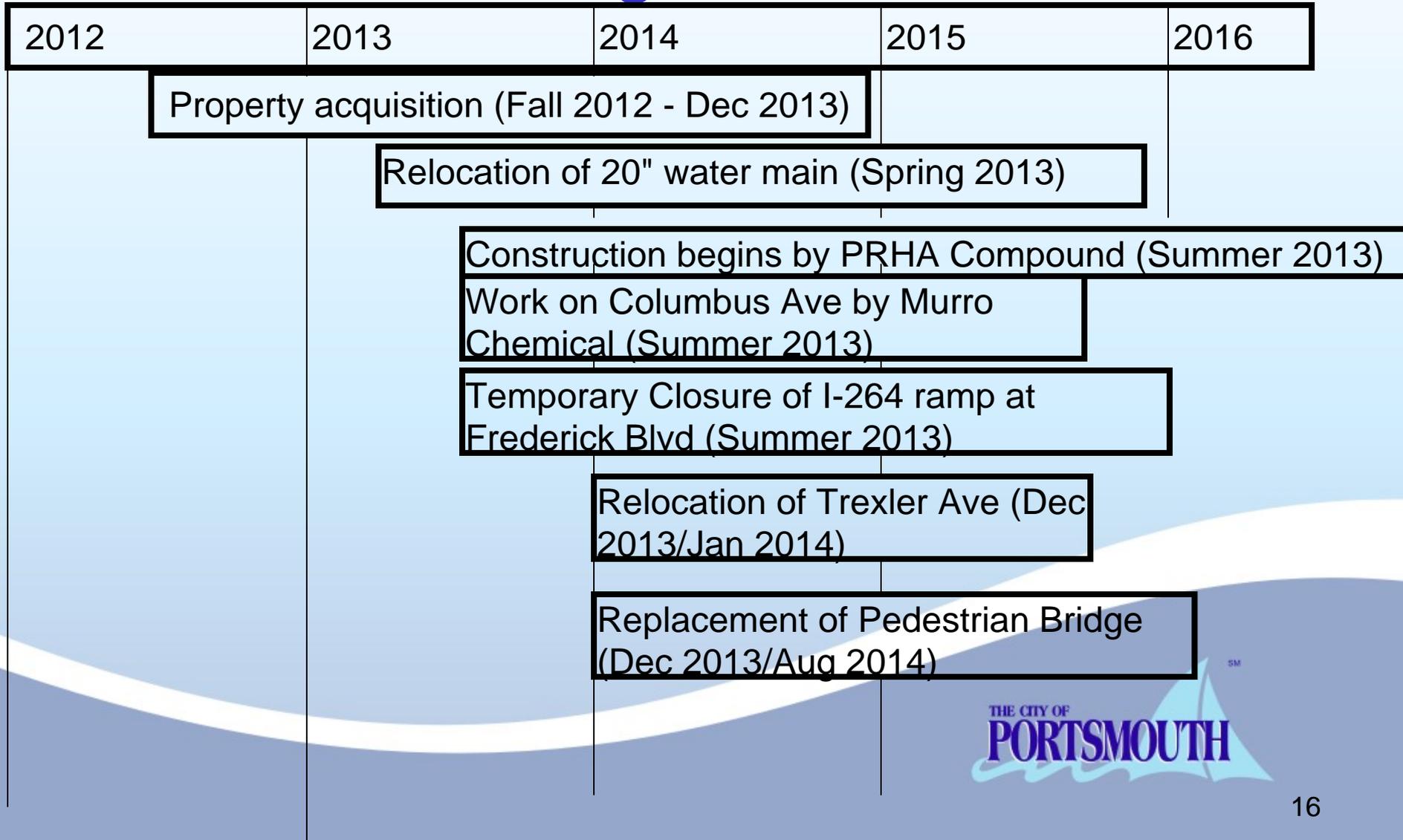
# New Midtown Tunnel Construction



# MLK Extension Construction



# MLK Extension – Timeline for Key Segments

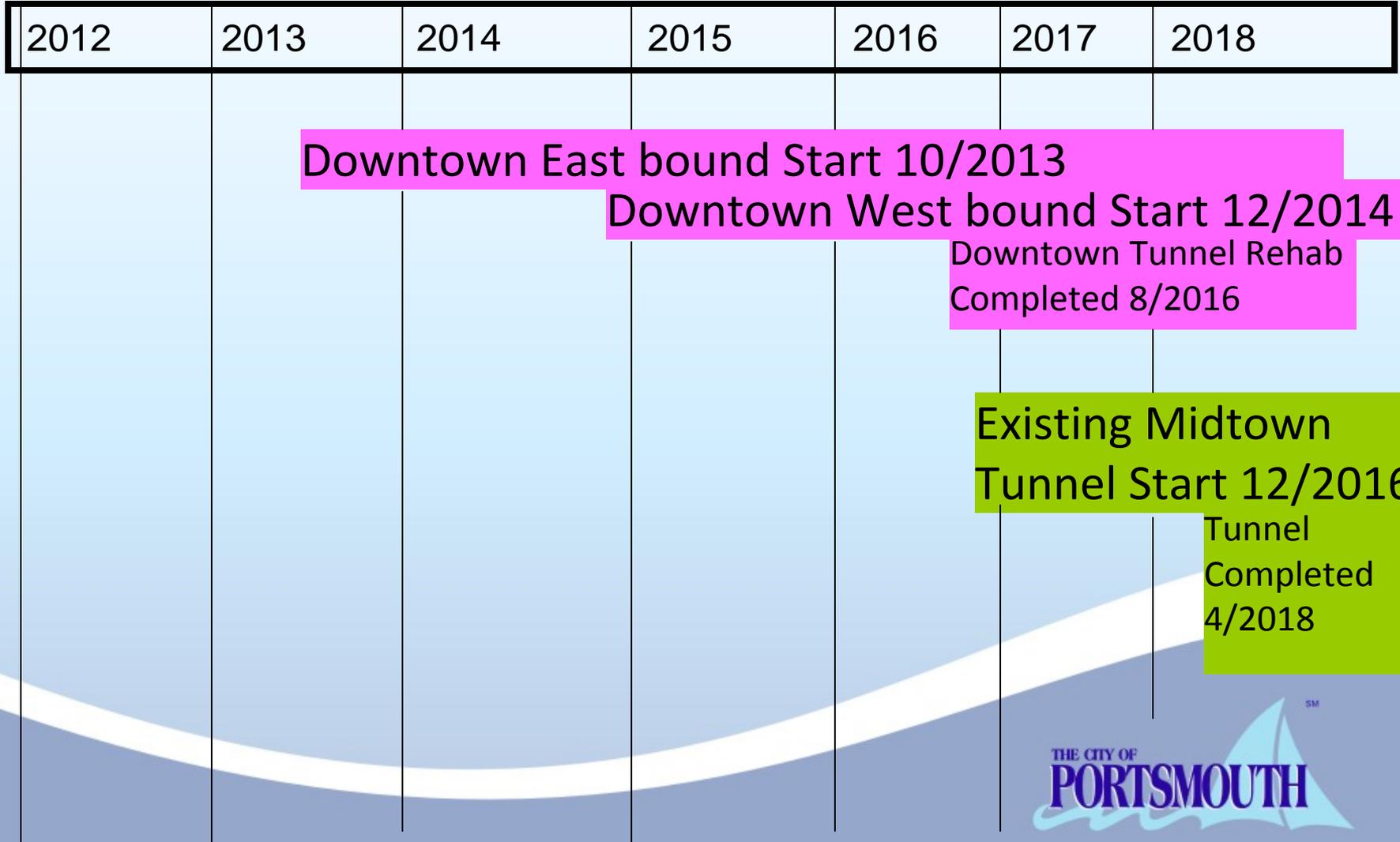


# MLK Extension – Timeline for Key Segments (continued)

2012	2013	2014	2015	2016
	Replacement of Waterline on Harper Ave (Spring 2013)			
		Closure of Harbor Dr from Queen St to London Blvd and London Blvd Ramps (May 2014)		
		Closure of Harbor Dr from Queen St to Turnpike Rd (July 2014)		
		Opening of London Blvd Ramps (Nov 2014)		
		Closure of I-264 Ramps at Des Moines Ave and South St		



# Old Tunnels Rehab



# Tunnel Rehabilitation – Traffic Impacts

	Proposed Start Date	Proposed Finish Date	Planned Full Weekend Closures	Planned Single Lanes Closures
Downtown Tunnel Rehab WB	Oct 2013	Sept 2015	25	280
Downtown Tunnel Rehab EB	Dec 2014	Aug 2016	42	290
Existing Midtown Tunnel Rehab	Dec 2016	April 2018	37	315

# Other Construction Information

- Work Zone
  - Access and Emergencies
- Traffic Impacts
  - During: detours, truck routes, increased coordination
  - After: King St and County St, City travel, Commute to Norfolk

# Capital Investment

- “Bricks and Mortar”- overall project construction costs (design and construction); \$1.45 billion
- Major Maintenance; \$1.3 billion in 2011 dollars (capitalized for the entire period of the contract)
- Pinnars Point Facility; \$4 million

# Project Funding

- Private Equity
- Commonwealth Contributions
- FHWA
- TIFIA
- Debt

Project Value:

# \$2.01 Billion

**\$251 million** in project revenue during construction

**\$421.1 million** in contributions from VDOT to reduce tolls

**\$272 million** in equity commitments from Skanska & Macquarie (50/50)

**\$463 million** in a Federal Highway Administration TIFIA loan (including accrued interest)

**\$675 million** in Private Activity Bonds



# Tolls

- Toll Amounts
- Payment Options
  - E-ZPass
  - Pay by Plate
- Violations for not paying

# Toll Amounts

- Toll rates for each the **Downtown & Midtown Tunnel:**

	Peak	Off-Peak
Auto	\$1.84	\$1.59
Truck	\$7.36	\$6

- **Peak times** are: Monday-Friday 5:30-9 am & 2:30-7 pm
- **MLK Extension** toll: \$0.50 if combined with a tunnel toll; \$1.00 if not combined

# Payment Option #1: E-ZPass

- **E-ZPass** is a toll payment system whereby a transponder is mounted inside a vehicle and when passing through a toll gantry, fees are electronically collected.
- Must pre-pay \$35 in tolls to open E-ZPass account online or at Service Center
- \$0.50 monthly Account Maintenance Fee

# Payment Option #2: PAY by PLATE

## Regular rate:

Auto	Peak:	\$1.84;
	Off-Peak:	\$1.59
Truck	Peak:	\$7.36;
	Off-Peak:	\$4.77

**PLUS** processing fee of two times the toll.

Example “auto during peak without E-zpass”:

$$\text{\$1.84} + (2 \times \text{\$1.84}) = \text{\$5.52}$$



# Penalty for not paying

- If the matter proceeds to court,
- **First** offense, \$50;
- **Second** offense within one year from the first offense, \$100;
- **Third** offense within two years from the second offense, \$250;
- **Fourth** and any subsequent offense within three years from the second offense, \$500

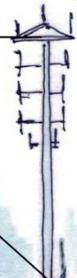
# Additional Penalty for Not Paying

- If a person has two or more unpaid tolls and fails to pay the required penalties, the court shall notify DMV, which shall refuse to issue or renew any vehicle registration certificate or the license plate issued for the vehicle driven in the commission of the offense.



# MLK Design Areas

EX. CELL TOWER



EVERGREEN BUFFER TO VISUALLY REDUCE THE SCALE OF EX. CELL TOWER



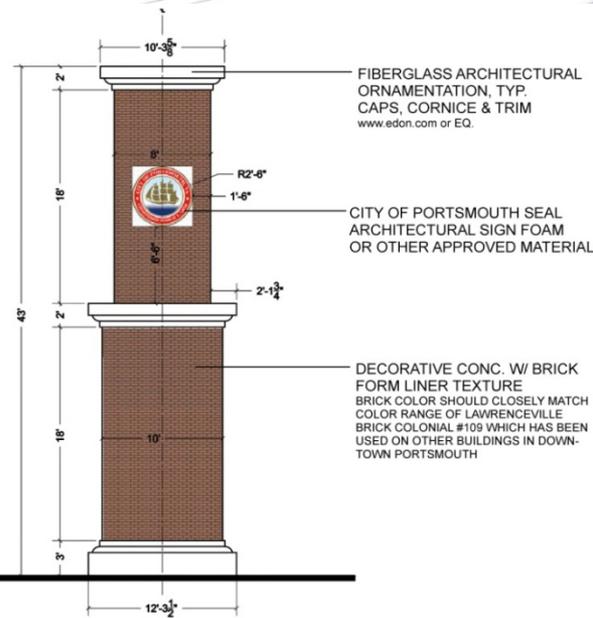
EXISTING LONDON BOULEVARD OVERPASS AND BRIDGE



GATEWAY FEATURES



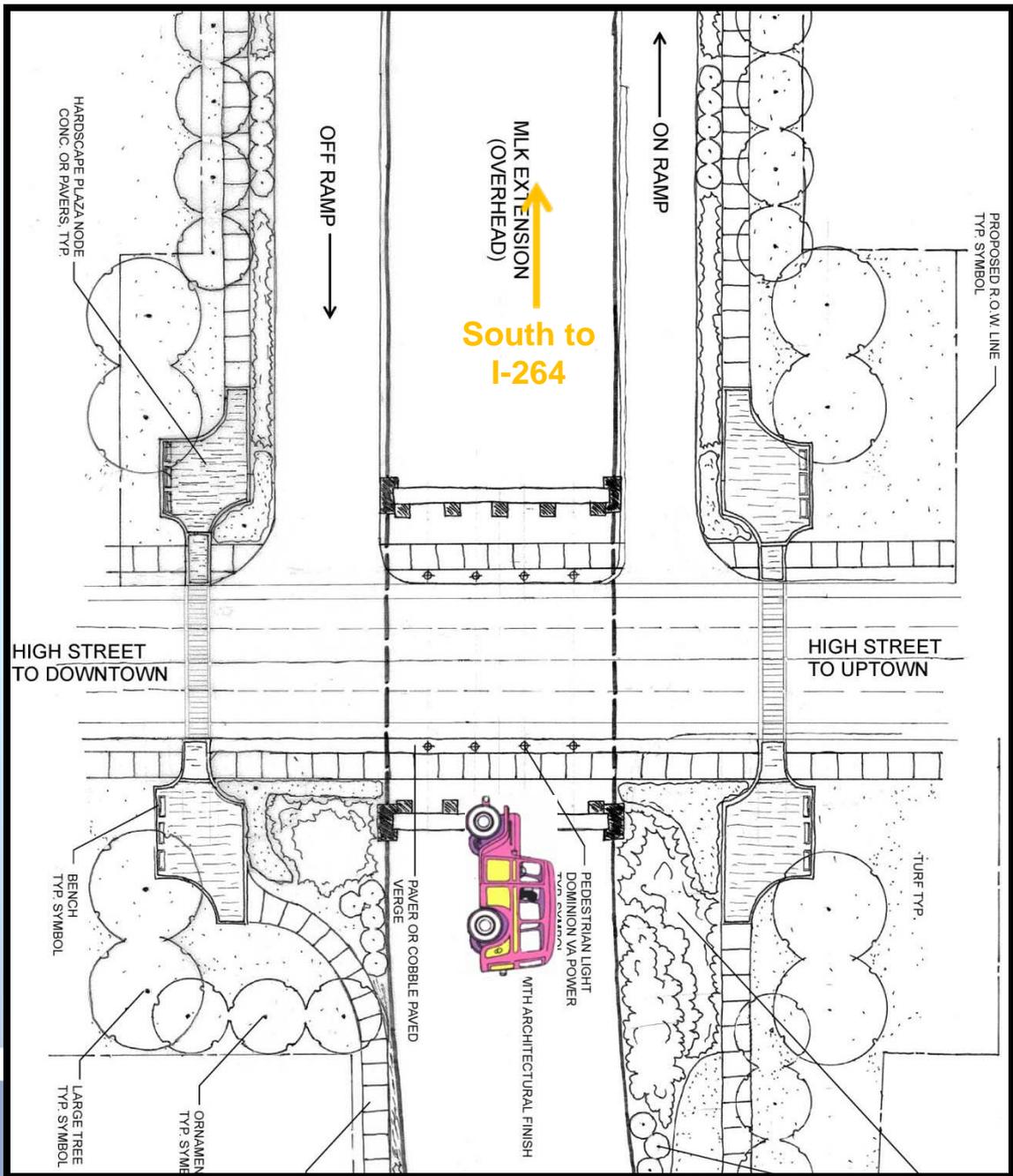
PLANTING ENHANCEMENTS AT ALL FOUR CORNERS OF INTERSECTION TO CONSIST OF:  
1. CANOPY AND ORNAMENTAL TREES  
2. VARIOUS SIZE SHRUBS  
3. PERENNIALS AND GROUNDCOVERS



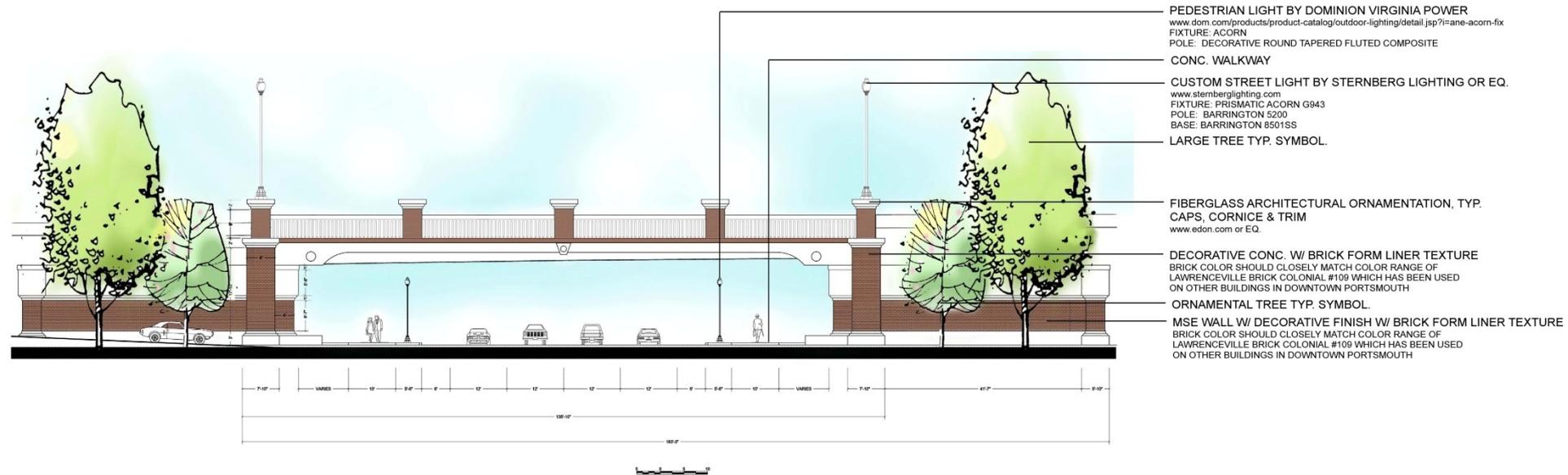
# London Blvd. Bridge Gateway Feature



# High Street Bridge

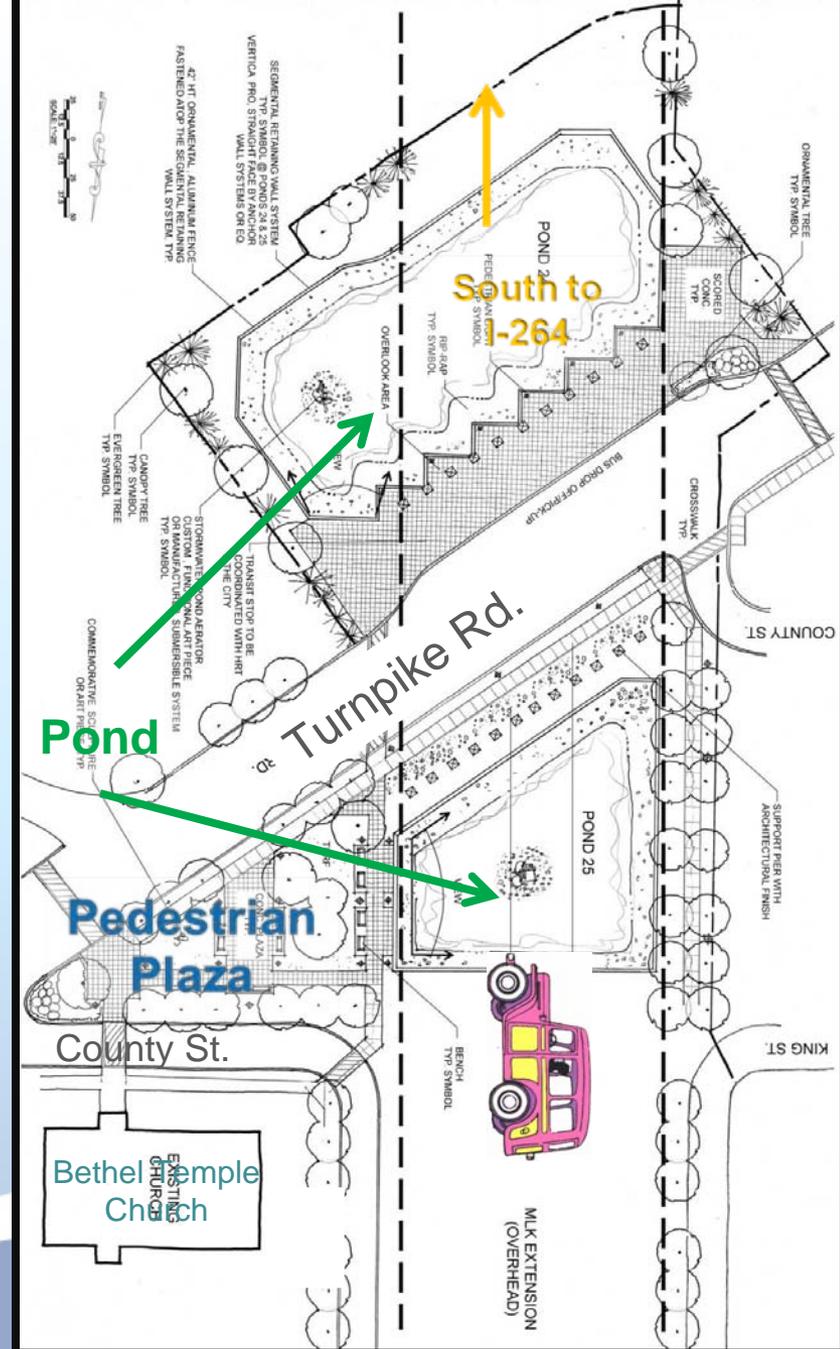


# High Street Bridge

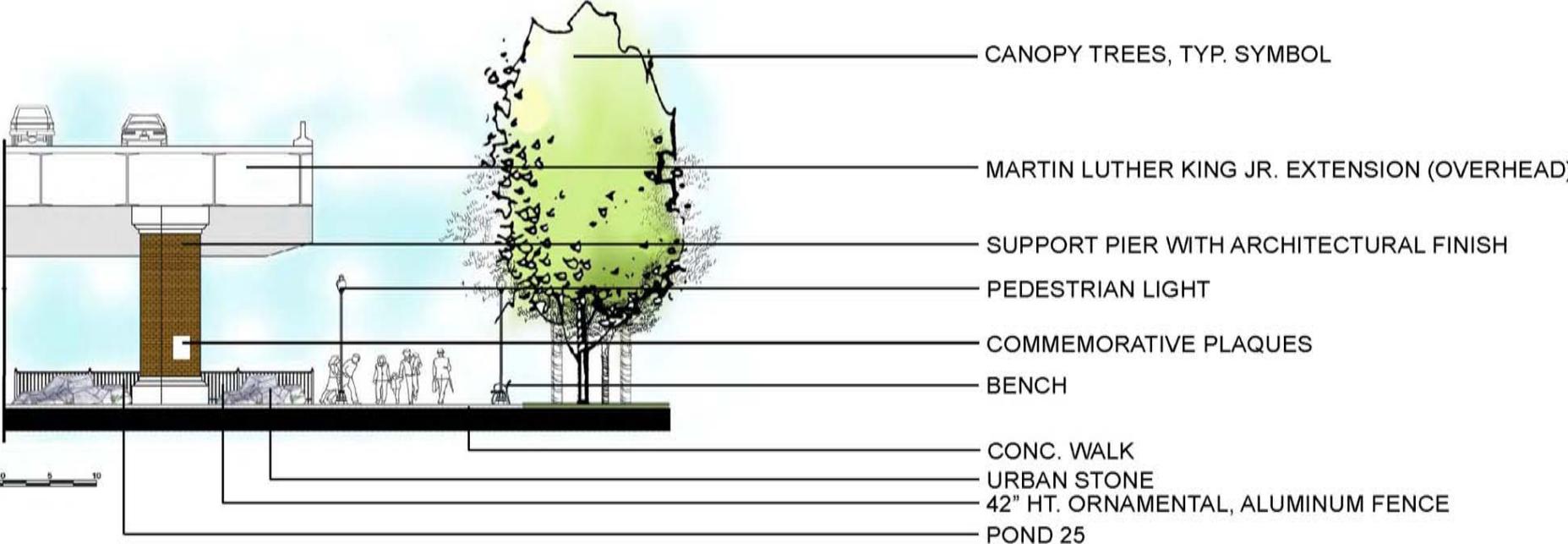




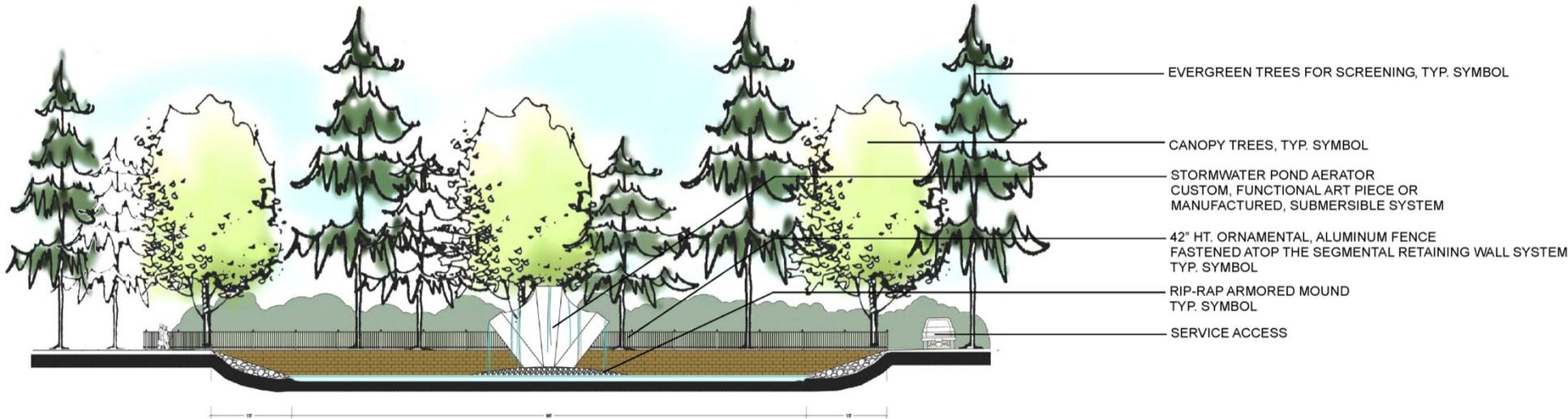
# Turnpike Road Area



# Turnpike Road Area



# Turnpike Road Area



# Aesthetic Treatments



BOTH FENCE STYLES AVAILABLE FROM:  
 1. MASTER HALCO [www.masterhalco.com](http://www.masterhalco.com)  
 2. MERCHANTS METALS [www.merchantsmetals.com](http://www.merchantsmetals.com)



## Site Furnishings - Fencing Options



LANDSCAPE FORMS:  
[www.landscapeforms.com](http://www.landscapeforms.com)  
 PLAINWELL BENCH



VICTOR STANLEY:  
[www.victorstanley.com](http://www.victorstanley.com)  
 STEELSITES BENCH RB-28

## Site Furnishings - Bench Options



VICTOR STANLEY:  
[www.victorstanley.com](http://www.victorstanley.com)  
 PRODUCTION SERIES PRS-38



VICTOR STANLEY:  
[www.victorstanley.com](http://www.victorstanley.com)  
 T-SERIES T-32

## Site Furnishings - Trash Receptacle Options

**Dominion Pole - Decorative Round Tapered Fluted Composite**  
 Fluted round tapered poles constructed of heavy duty fiberglass reinforced pigmented polyester plastic resin with a decorative base for pole top luminaires.

- Poles available directly embedded or base mounted for use with underground in-ground conductors only.
- Single pole top luminaires only.
- Available for use with:  
 Decorative Colonial Luminaires  
 Acorn Luminaires  
 Carlysle Acorn Luminaires  
 Decorative Acorn Luminaires
- Anchor base poles require customer provided grade foundation and anchor bolts.

**Pole Specifications:**

Pole Type	Base Diameter	Pole Height	Flange Diameter	Flange Depth	Luminaire Mounting Height	Flange Size	Flange Color	ANSI D12 Inventory	Pole Day Stock #
15	16.5	30.0	6.0	3.0	15.0	3.7" O.D. x 3.31"	Black (RAL 9005)	PPF15	5048800
16	16.5	30.0	6.0	3.0	12.0	3.7" O.D. x 3.31"	Black (RAL 9005)	PPF16	5048800
16	16.5	30.0	6.0	3.0	12.0	3.7" O.D. x 3.31"	Dark Green (RAL 6005)	PPF16DK	4350214
16	16.5	30.0	6.0	4.0	14.0	3.7" O.D. x 3.31"	Black (RAL 9005)	PPF16	5048800
16	16.5	30.0	6.0	4.0	14.0	3.7" O.D. x 3.31"	Dark Green (RAL 6005)	PPF16DK	4350214
12	16.5	30.0	6.4	A.B.	15.0	3.7" O.D. x 3.31"	Black (RAL 9005)	PPF12AB	5048700
12	16.5	30.0	6.4	A.B.	12.0	3.7" O.D. x 3.31"	Black (RAL 9005)	PPF12AB	5048800
12	16.5	30.0	6.4	A.B.	12.0	3.7" O.D. x 3.31"	Dark Green (RAL 6005)	PPF12ABDK	4350214
14	16.5	30.0	6.4	A.B.	14.0	3.7" O.D. x 3.31"	Black (RAL 9005)	PPF14AB	5048800
14	16.5	30.0	6.4	A.B.	14.0	3.7" O.D. x 3.31"	Dark Green (RAL 6005)	PPF14ABDK	4350214

Many locations have restrictions on light distribution and placement of outdoor lighting equipment. Consult with your local government before selecting outdoor lighting equipment.

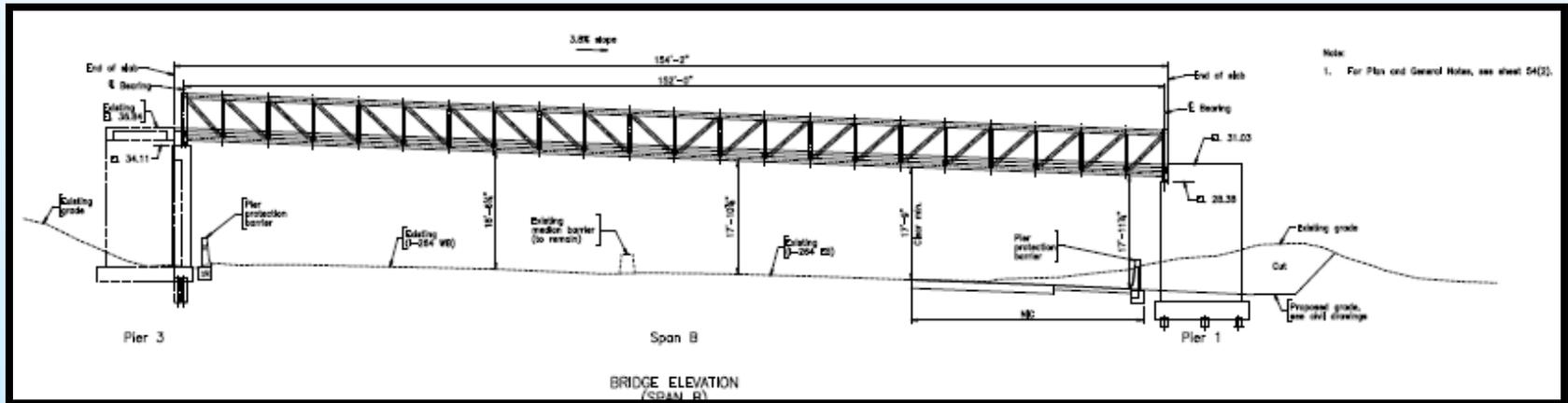
PEDESTRIAN LIGHT BY DOMINION VIRGINIA POWER  
[www.dom.com/products/product-catalog/outdoor-lighting/detail.jsp?name=acorn-fix](http://www.dom.com/products/product-catalog/outdoor-lighting/detail.jsp?name=acorn-fix)  
 FIXTURE: ACORN  
 POLE: DECORATIVE ROUND TAPERED FLUTED COMPOSITE

CUSTOM STREET LIGHT BY STERNBERG LIGHTING OR EQ  
[www.sternberglighting.com](http://www.sternberglighting.com)  
 FIXTURE: PRISMATIC ACORN G943  
 POLE: BARRINGTON 5200  
 BASE: BARRINGTON 8501SS

## Site Furnishings - Light Fixture & Pole

# Pedestrian Bridge

## I - 264



# 3. Economic Development

- Impact on Existing Businesses
  
- Construction Benefits

# 4. Traffic

- Significant Project Traffic Impacts
- Other Impacts
- HRT Improvements

# Significant Project Traffic Impacts

- Permanent closure of interstate ramps at Des Moines and South Street
- Raised interstate through the Midtown area from High St. to Frederick Blvd.
- King and County Streets will be “cut off” by elevated structure
- Relocation of Trexler Ave. from Arcadia to Downes
- Frequent tunnel closures during construction

# Significant Project Impacts (continued)

- Closure of portion of the interstate during construction
- Closure of the Frederick Blvd ramp during construction
- Detours of local traffic during construction
- Service interruptions for relocation of water lines
- Multiple State owned Storm facilities

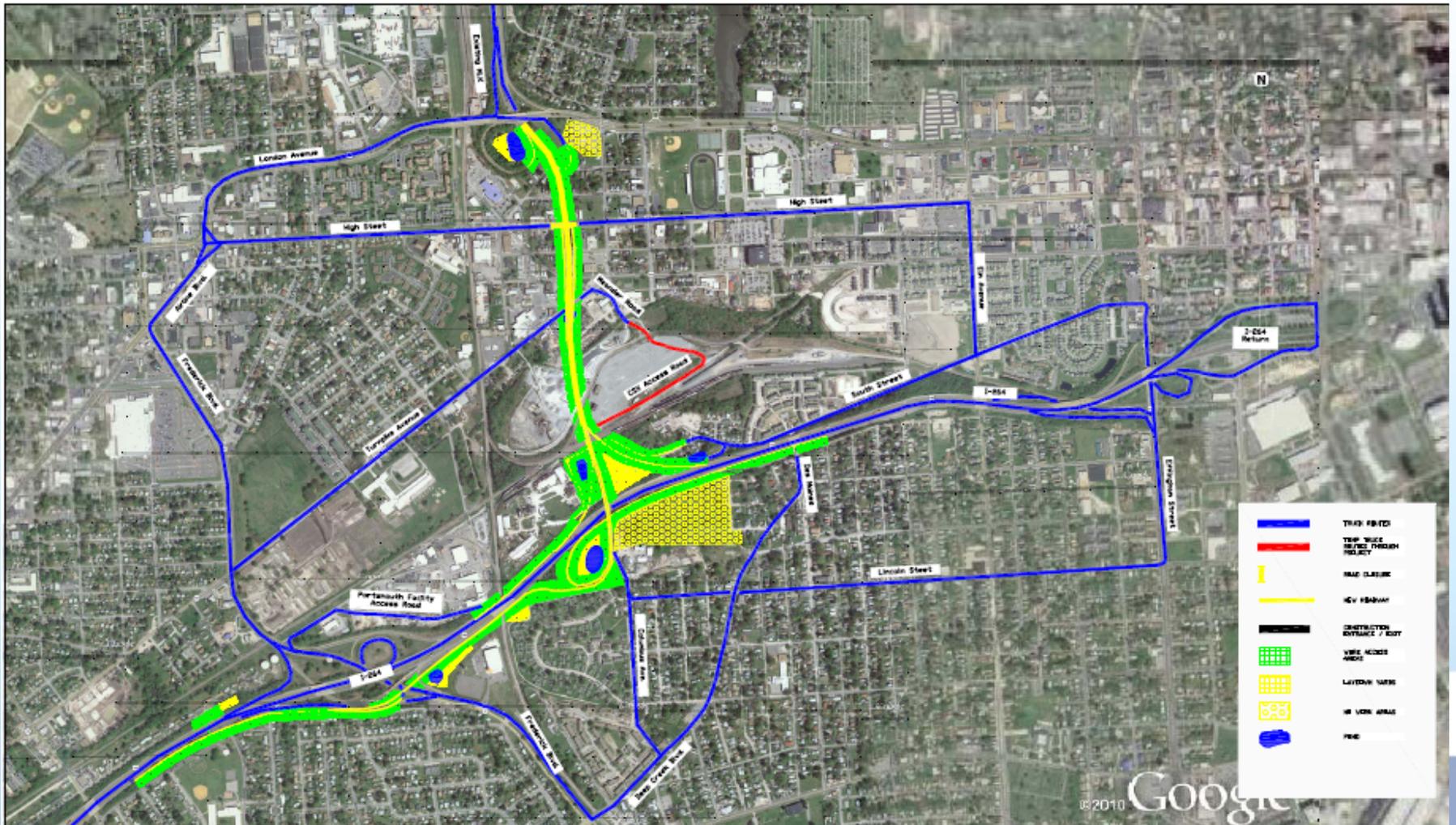
# Other Impacts

## *Impact on Local Traffic During Construction*

- Interruptions for the movement of pilings and similar large or extended length materials
- Interruptions be due to material deliveries and stockpiling?

## *Impact on Local Traffic Upon Completion*

- Upon completion will these activities reduce traffic congestion at the Midtown and Downtown Tunnels
- Individual street impacts



# HRT Improvements

**Route 44:** - Extend service to 10PM Monday thru Saturday  
- Add Sunday service

**Route 45:** - Provide 15 minute service during peak times:  
6 AM to 9 AM and 4PM to 7PM

**Route 47:** - Provide 15 minute service during peak times:  
6 AM to 9 AM and 4PM to 7PM  
- Extend service to 10PM Monday thru Saturday  
- Add Sunday Service

**Elizabeth River Ferry:** Service begins at 6 AM instead of  
7 AM



# 5. Parcel Acquisition

- **Non-Taxable Properties**
  - 5 City-owned Parcels
  - 2 PRHA-owned Parcels
  - 7 Church-owned Parcels
  
- **Taxable Properties – Assessed Values**
  - 27 Commercial Parcels Valued @ \$4,518,960
  - 26 Residential Parcels Valued @ \$2,144,440

# Impact on Tax Revenue

*Assessed Value*

• 43 Total Takes	-	\$3,748,670
• 10 Partial Takes	-	\$ 175,750
• 5 Easements	-	<i>Nominal Impact</i>
Total Value	-	\$3,924,420
Lost Revenue	-	\$49,840.13 (Annual)

(Assuming Tax Rate of \$1.27/100)





# VDOT Valuations

## City Owned Parcels

Parcel 5	City Operations Center Frederick Blvd.	12,299 SF
Parcel 7	2.40 Ac Columbus Ave	104,413 SF
Parcel 10	.153 Ac Columbus Ave	6,678 SF
Parcel 65	.010 Ac 434 MacArthur Av	229 SF
Parcel 66	.129 Ac 430 MacArthur Av	6,495 SF

# 6. Next Steps

- **Transfer** City Property to Commonwealth of VA
- **Create** links on the City Website to project information
- **Broadcast** briefing
- **Continue** meeting with various stakeholder groups
- **Coordinate** major events with construction activities

# Q&A