



Downtown Tunnel/Midtown Tunnel/MLK Extension Project

Presented to:

**Transportation Technical Advisory Committee,  
January 4, 2012**

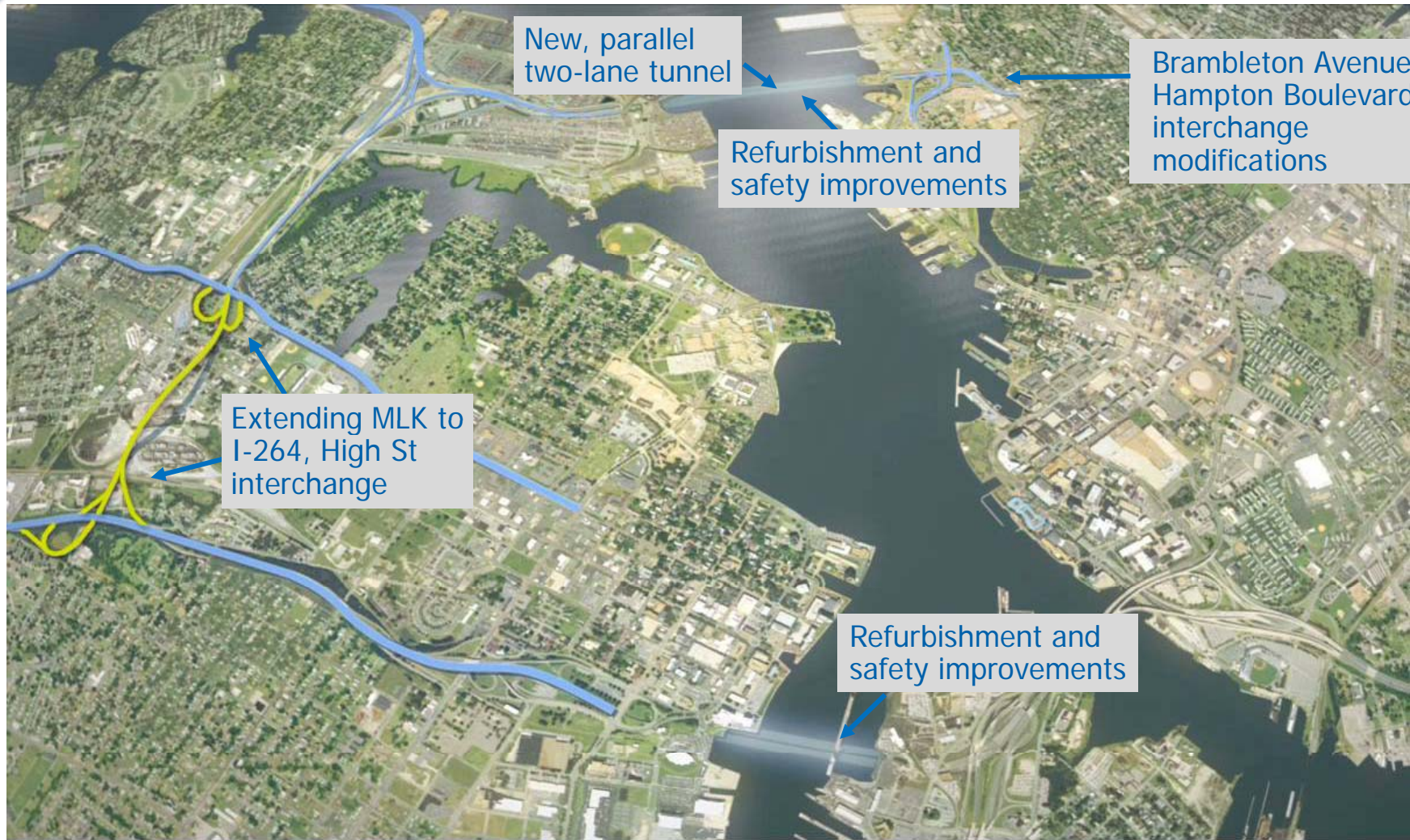
Presented by:

**Frank Fabian, P.E., Senior Project Manager,  
Virginia Department of Transportation**

# 1

## PROJECT OVERVIEW

# Project Overview



# The Midtown Team



**Owner** – Virginia Department of Transportation (VDOT)

**Stakeholders** – Federal Highway Administration (FHWA)

Cities of Portsmouth and Norfolk

Virginia Port Authority

Businesses and Citizens of the Commonwealth

**Consultant** – Southeastern Transportation Partners (STP)

JV: Parsons Transportation Group (PTG) and  
Rummel, Klepper & Kahl (RK&K)

Subs: Athavale Lystad & Assoc.

Capita Symonds

GET Solutions

HBA Arch

Kimley-Horn

NXL

Business Transf Group

Continental Field Services,

GZA Geo Env

Keville Ent

MBP

Seventh Point

# The Midtown Team



## Developer – Elizabeth River Crossings (ERC)

- JV of Skanska ID and Macquarie Capital

## Design/Builder – a JV between:

- Skanska SE (45%)
- Kiewit (40%)
- Weeks (15%)

## Design Team – Parsons Brinckerhoff (Tunnel)

Volkert (MLK Civil/Structural)

Schnabel (MLK Geotech)

PMI (Survey)

- Seven Subconsultants

# Value Beyond Traffic Improvements



## Direct Economic Stimulus

- Over \$1 billion in construction works
- Built by local companies
- Built by local labor
- Utilizes local suppliers and contractors



## Promotes Economic Development

- \$170 to \$254 million increase in regional productivity<sup>1</sup>
- Long-term economic development
- Access to 2,000 more jobs<sup>2</sup>
- Local projects can be prioritized



## Local Job Creation

- Over 500 construction jobs directly created
- Over 1000 jobs indirectly created
- 200 facilities maintenance and operations jobs
- Small, women, minority owned business involvement
- Apprenticeship Programs

# Key Business Terms



## Investment

- Value of Comprehensive Agreement is \$2.1 billion
- ERC to finance, design, build, operate and maintain facilities
- ERC to provide \$1.7 billion investment
- Commonwealth providing contribution of \$362 million to specifically lower toll



## EZ Pass Tolls

- Tunnels  
Auto off-peak: \$1.59; Peak: \$1.84  
Truck off-peak: \$4.77; Peak: \$7.36
- MLK Extension  
\$0.50 for tunnel users  
\$1.00 for non-tunnel users



## Terms

- 58 Years

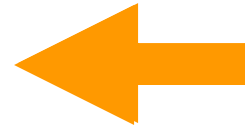
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## PROJECT DEVELOPMENT AND CONSTRUCTION

# Project Development Timeline

## Timetable

Call for Conceptual Proposals	May 2008
Conceptual Proposal Submittal	September 2008
Public Hearings – Independent Review Panel	March to June 2009
Positive CTB Recommendation	July 2009
Key Business Points Presented to CTB	October 2009
Signature of Interim Agreement	January 2010
Comprehensive Agreement Negotiations Begin	January 2011
Key Business Terms Agreed	July 2011
Comprehensive Agreement	December 2011
Financial Close	1Q 2012
Construction Starts	Q3/Q4 2012
Tolling Commences	Q3 2012
Construction Final Acceptance	Q2 2018



# CONSTRUCTION WORK STREAMS

1



NEW TUNNEL

- Dredging
- Fabrication
- Delivery
- Immersion
- Fill
- M & E/Safety
- Communications/Security
- Finishes

2



TUNNEL APPROACHES

- SOE
- Piling
- Construct/Cast-in-Place
- Fill
- Access/Roadway
- Finishes

3



MLK EXTENSION

- Site Prep
- Excavation & Piling
- Foundations
- Substructures
- Superstructure
- Finishes

4



EXIST TUNNEL REHAB

- Structural
- Mechanical
- Electrical
- NFPA 502
- Communications/Security

Work Streams

1. New Tunnel

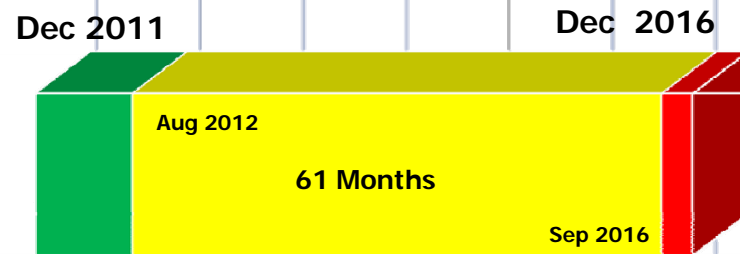


2. Approaches

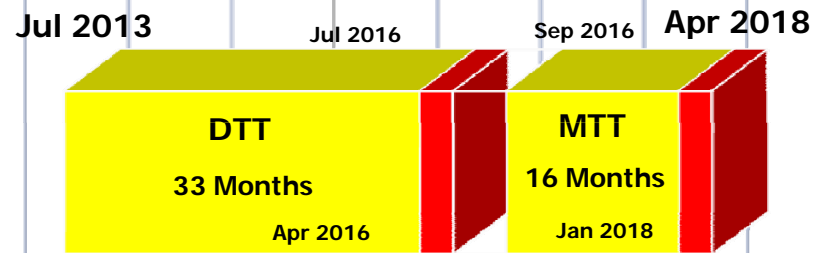


\* Per Initial BL Schedule

3. MLK



4. Tunnel Rehab



2011 2012 2013 2014 2015 2016 2017 2018 2019

# Next Steps – 12 Month Forecast

- Mobilization
  - Central Construction Location (PMT)
    - Equipment Staging
    - Construction Worker Site
    - Construction Survey & Stakeout
  
- Project Command Center
  
- Design/Engineering
  
- Channel Utility Relocations
  
- Tunnel Section Fabrication
  
- Electronic Tolling Gantries
  - Installation
  - Operations

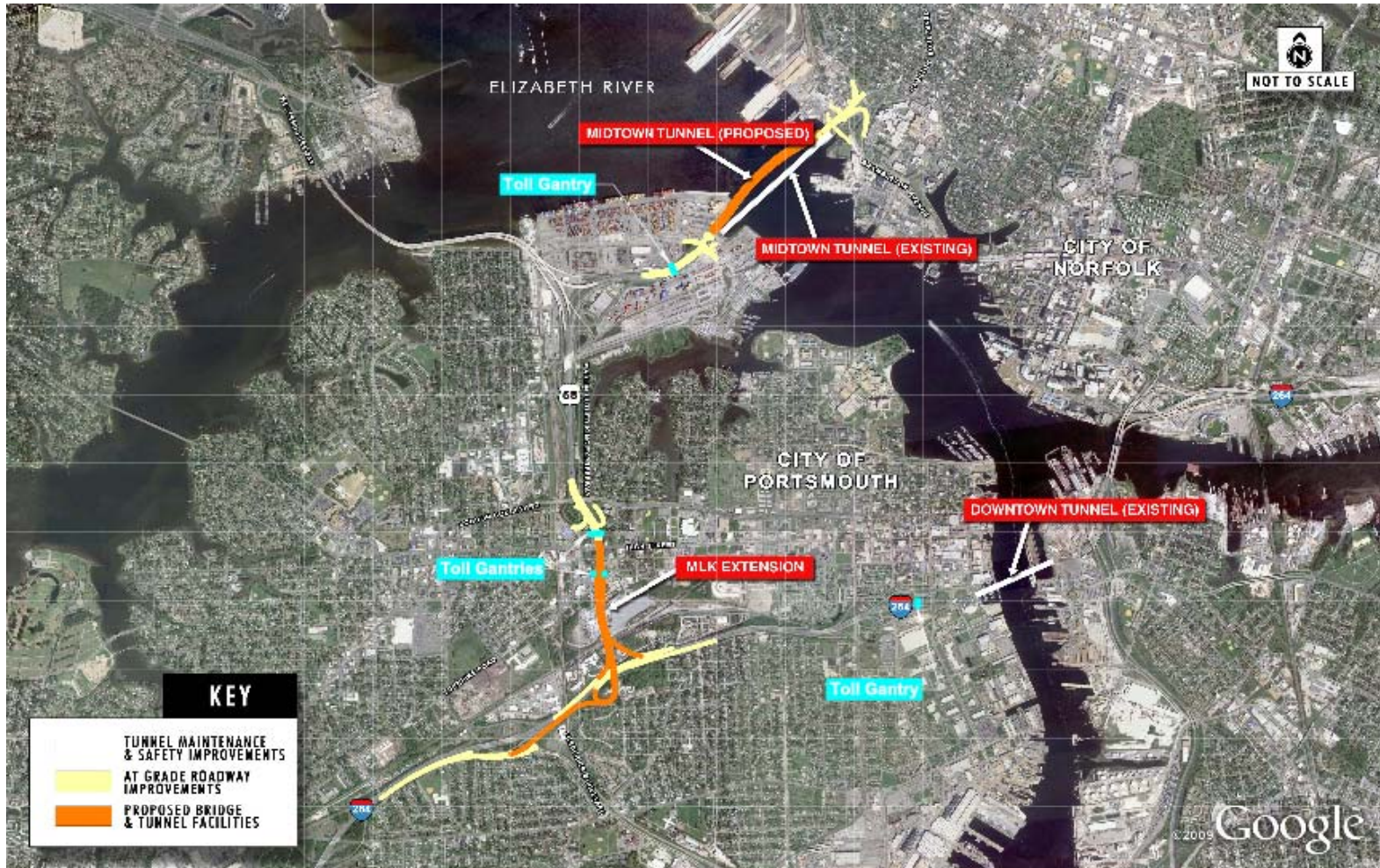


# 3

## ELECTRONIC TOLLING

# Project Overview

## Gantry Locations

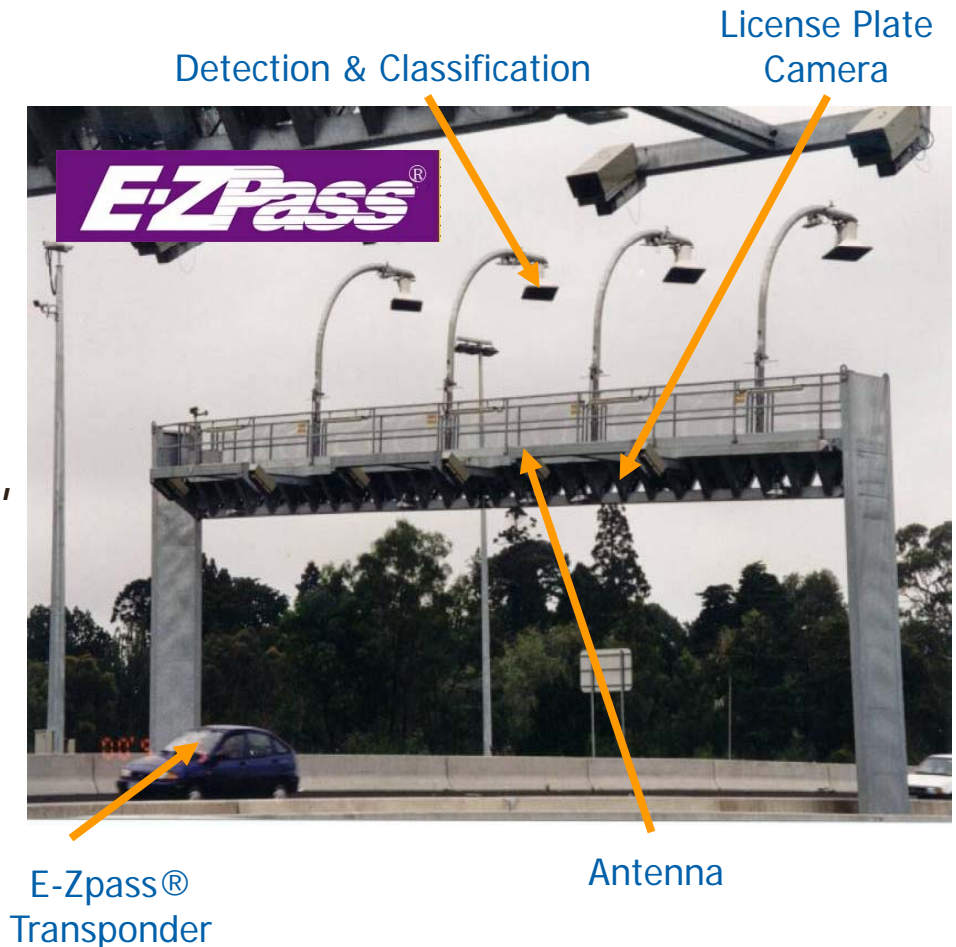


# How will tolls be collected?

- **All Electronic Tolling**
- **Tolls can be paid via E-ZPass® or by invoice**
  - E-ZPass® is an automatic, electronic toll collection system that efficiently moves traffic through toll facilities and is used in 14 states, including Virginia
- **If a driver does not have E-ZPass®, an invoice will be mailed to them**
  - Invoiced customers will be charged for cost recovery, which by Virginia law is capped at two times base toll rate.
  - Payment can be made by mail, online or telephone

[www.ezpassva.com](http://www.ezpassva.com)

## An All Electronic Toll Gantry Example



# 4

## Q & A



# Where to get more Information

Find out more about the project:  
[www.MidtownTunnel.org](http://www.MidtownTunnel.org)

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CROSSINGS