

# Innerbelt Bridge Design/Construction Overview



**WALSH HNTB HDR**

*THE DELTA ADVANTAGE*

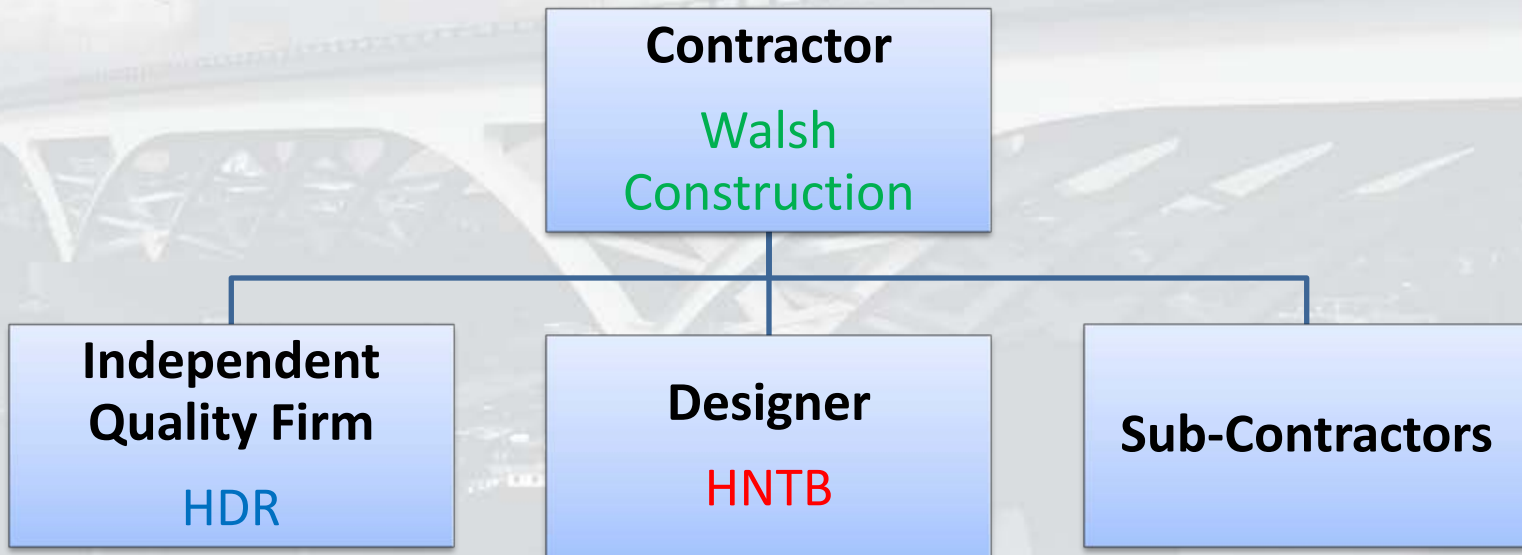


# Topics

- Project Team
- Project Overview
- Schedule
- Construction Staging/Maintenance of Traffic
- Aesthetic Enhancements
- Sustainability
- Viaduct Structure
- Q&A



# Project Team



# Our Team's Process

- Our Team formed in Mid-2009
- Walsh/HNTB conducted interviews to select IQF
- Project planning began around draft RFPs
- Design began during proposal phase
- Construction estimate/bid based on 30% design
- Construction begins while design continues
- Design complete in less than one year
- Construction complete in three years



# Project Overview



# Project Schedule

Phase	2010		2011				2012				2013			
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Pre	[Bar]													
1				[Bar]			Start Viaduct and East End							
2							[Bar]		West Bank Work					
3									[Bar]		Build Tremont Area			
4							Complete Abbey Avenue			[Bar]				
5									Complete Viaduct		[Bar]			
6											Finish Gateway Area/Project			[Bar]



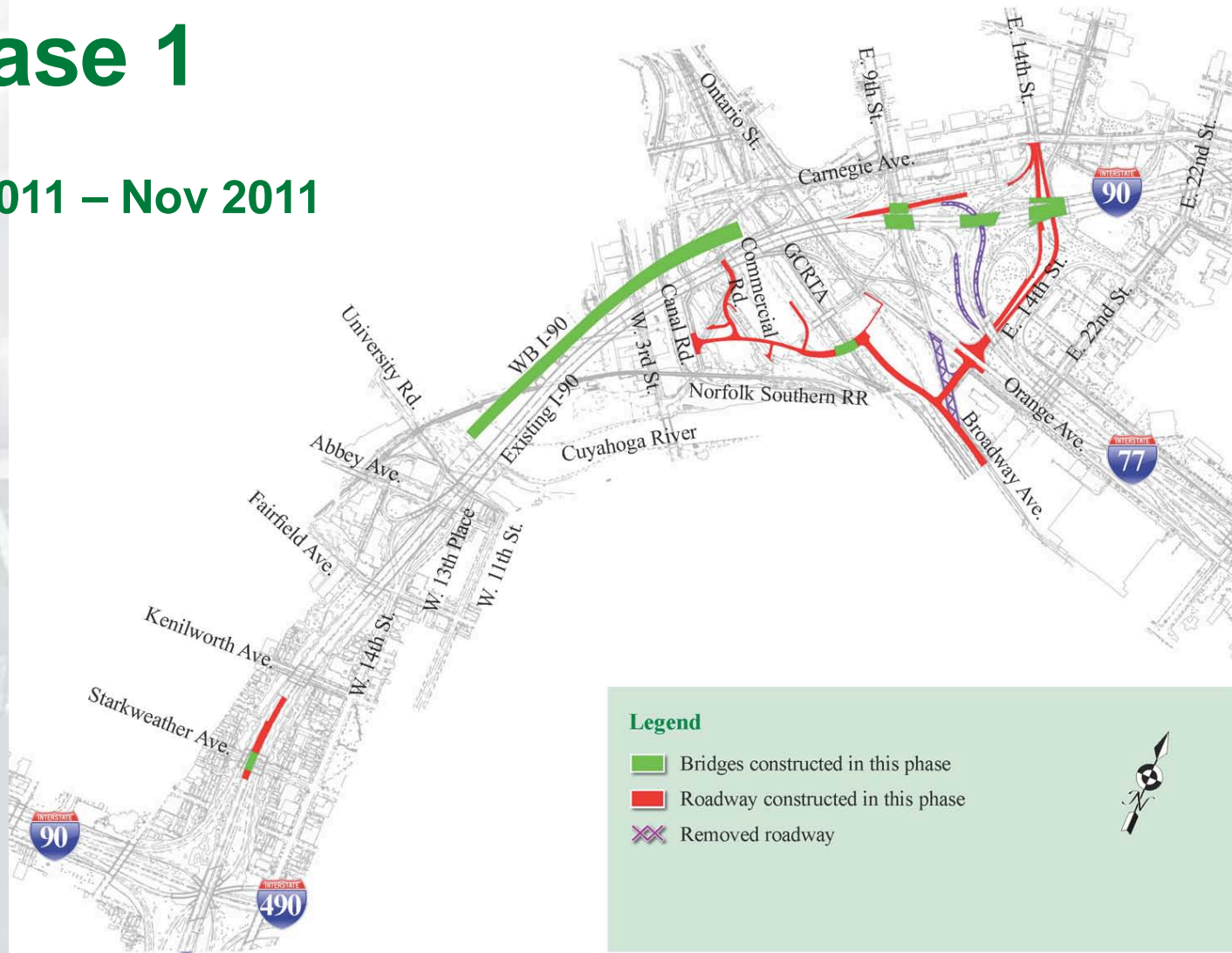
# Early Demolition Activities

- Demolition begins in December 2010
- Activities limited to properties owned by ODOT
- Cold Storage Building – Summer 2011



# Phase 1

Apr 2011 – Nov 2011



# Phase 2

Dec 2011 – Apr 2012



# Phase 3

May 2012 – Aug 2012



# Phase 4

Sep 2012 – Dec 2012



# Phase 5

Jan 2013 – Aug 2013

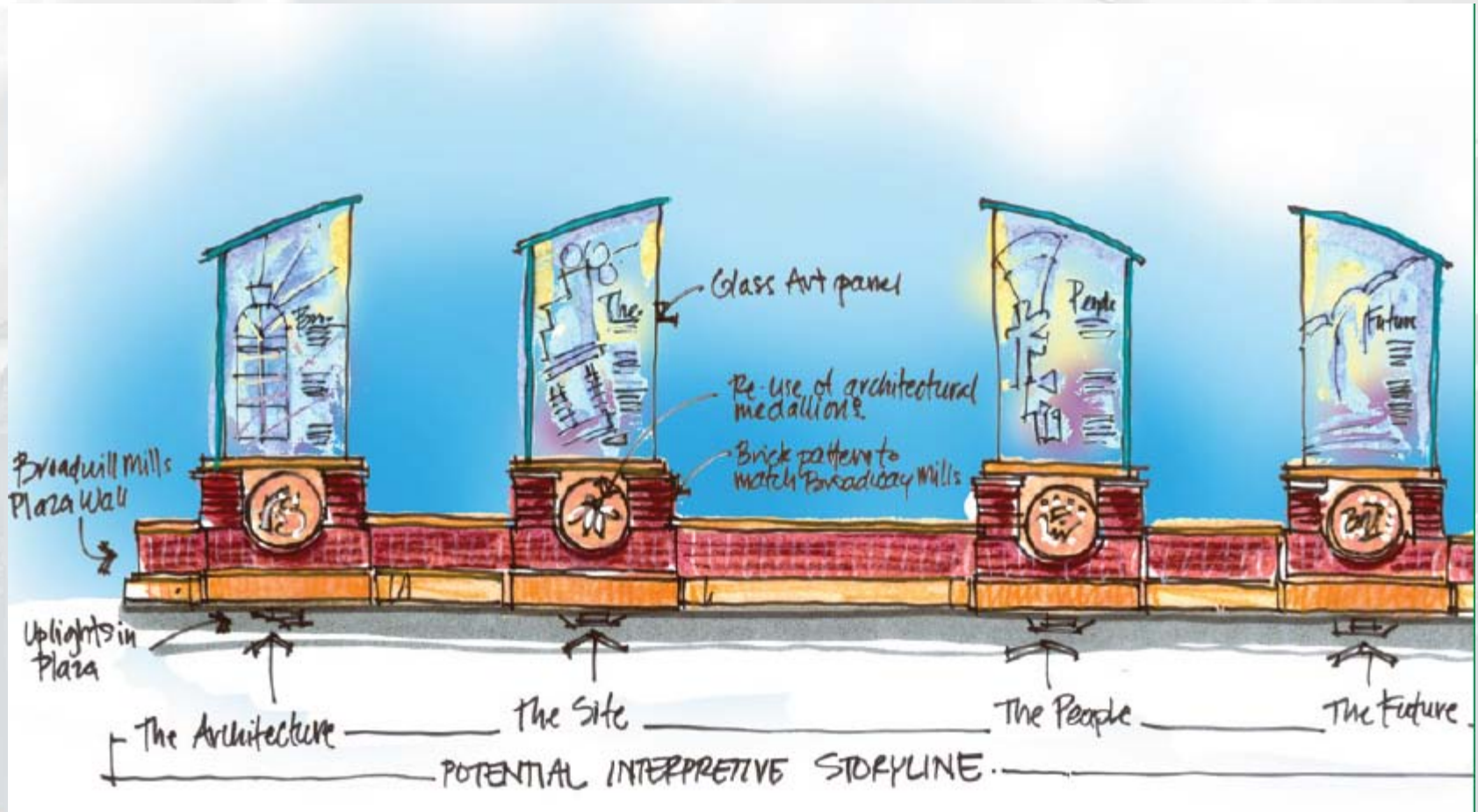


# Phase 6

Sep 2013



# Aesthetic Enhancements



# Aesthetic Enhancements



# Aesthetic Enhancements



# Aesthetic Enhancements



# Aesthetic Enhancements



# Sustainability

- LED Lighting
  - Landscape Architecture
  - Parking Lots
  - Pedestrian Facilities
  - Bridge Lighting
- Reducing Earthwork
  - Fill Section at Ontario Street
  - More Fills Along Rights-of Way
  - Change in Grading at Abbey Ramp



# Sustainability

- On-Site Recycling Separation
- Repurpose Construction Materials Onsite
- Reuse 3000 – 5000 CY of Brick and Concrete from Demolished Buildings for Fill at Underground Detention
- Use 100% Recycled Paper and Double-side Printing Whenever Possible
- Use of Video/Audio Conferencing and SMARTBoard™ Technology to Minimize Travel
- Mandate Environmental Awareness



# Sustainability

- Use Non-potable Water for Dust Control, Concrete Curing and Other Applications Where Treated Water is Not Necessary
- Develop a Vehicle Idling Policy and Provide Driver Training in Idling Protocol
- Develop a Project-Specific Sustainability Manual



# Viaduct Structure



# Viaduct Structure



# Viaduct Structure

