

US 27 (Clinton Street) Bridge over St. Mary's River

Presented by:
David Ross, City Engineer

December 2, 2009

US 27 (Clinton Street) Bridge

- Study completed in 2006
- Steel Truss Type selected as preferred design



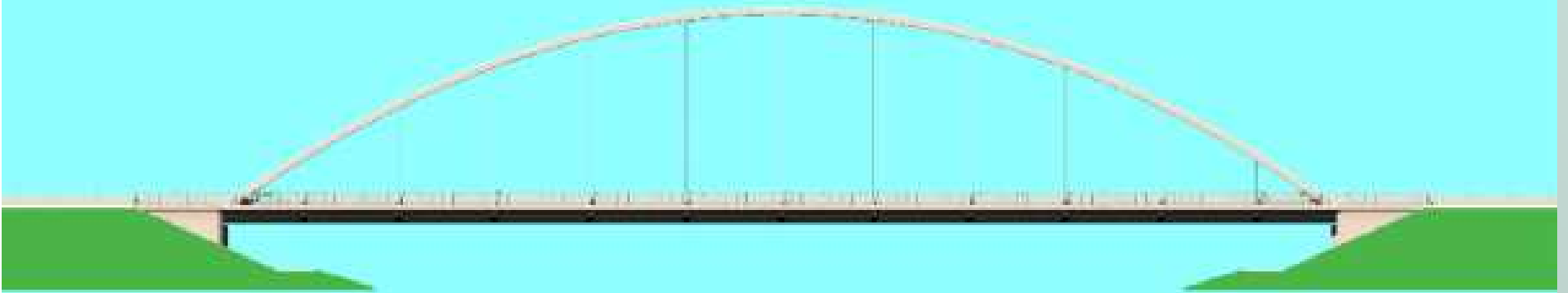
Consulting Firm

- DLZ Indiana, LLC; local consulting firm contracted to develop design
- City Council approves expenditure of funds
- Project stays within budget
- Traffic will be maintained during construction

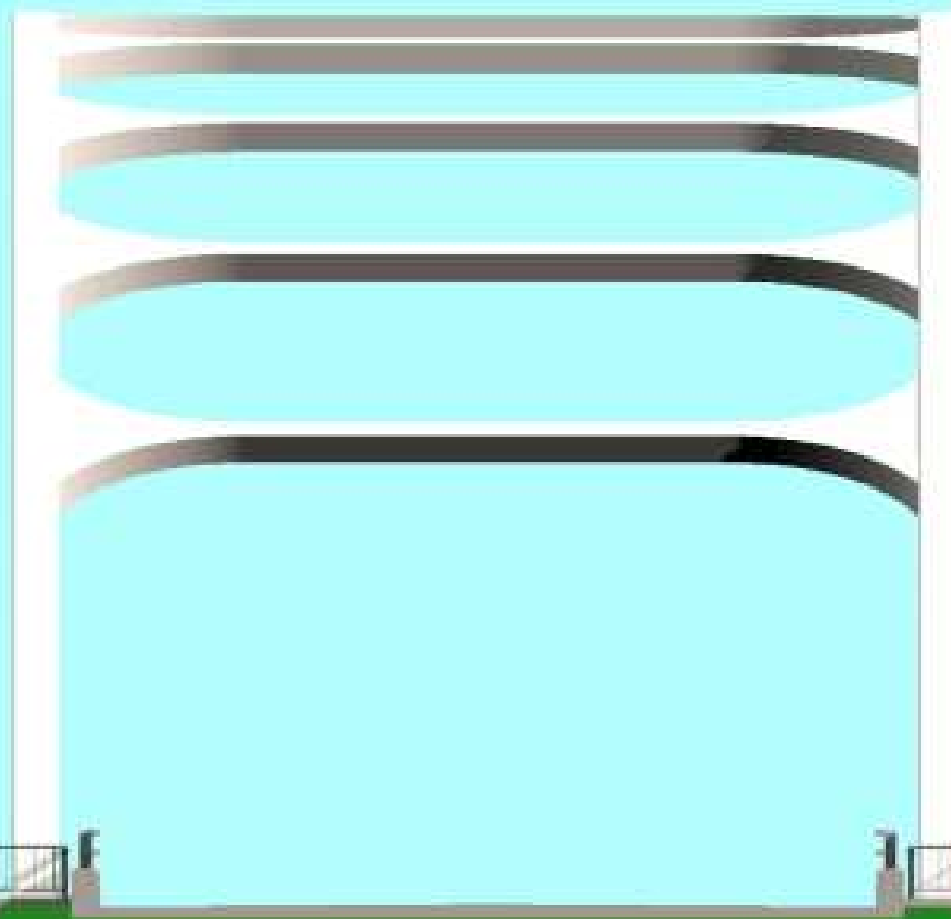
Stage I Design



Stage I Design



Stage I Design



Stage I Design



Stage I Design



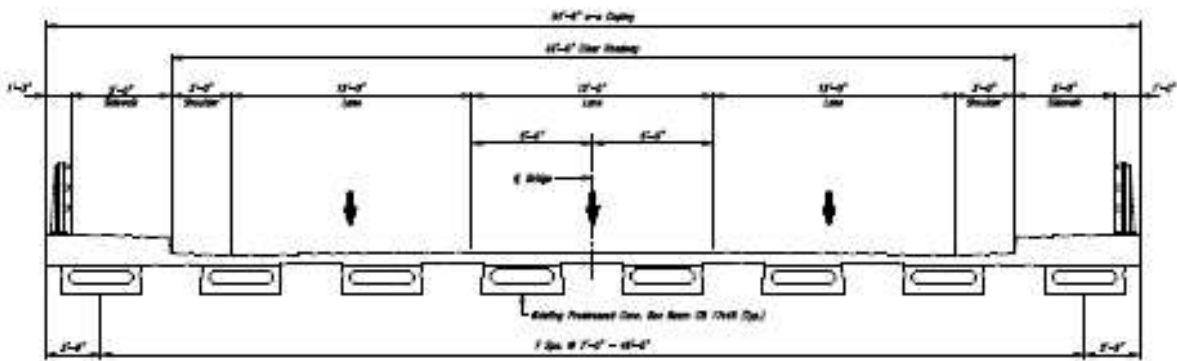
Stage I Design



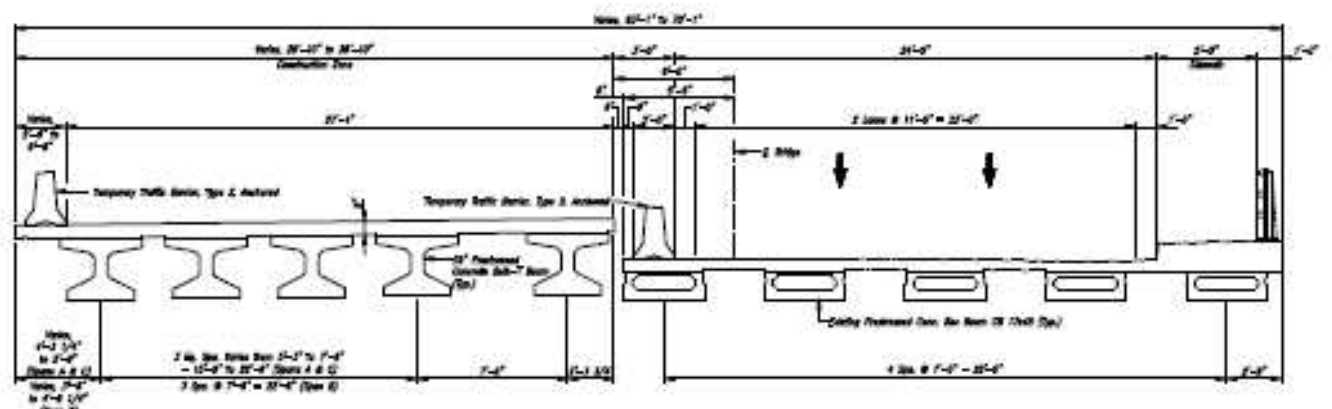
Structure Concept Study

- The Structure Concept study resulted in concrete bridge deck to be constructed in stages or part-wide phases.

Staging Details



EXISTING CONDITION
Scale: 3/8" = 1'-0"

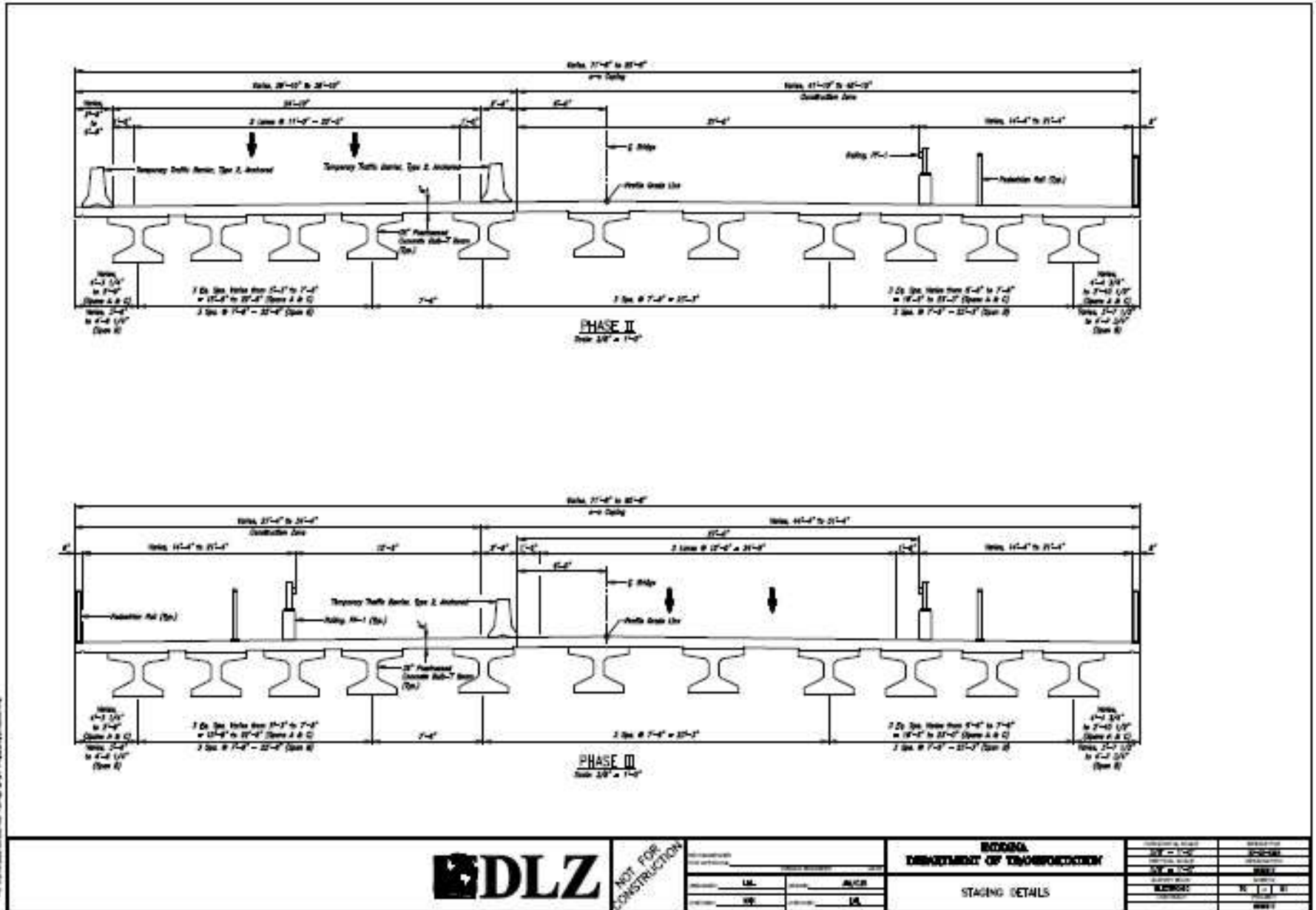


PHASE I
Scale: 3/8" = 1'-0"

10/23/2013 10:56:43 AM by [redacted]

	NOT FOR CONSTRUCTION	<small>APPROVED FOR CONSTRUCTION</small> _____ <small>DATE</small> _____	INDIANA DEPARTMENT OF TRANSPORTATION INDOT		<small>DESIGNED BY</small> _____ <small>CHECKED BY</small> _____ <small>DATE</small> _____
		<small>PROJECT NO.</small> _____ <small>CONTRACT NO.</small> _____	STAGING DETAILS		<small>SCALE</small> _____
		<small>DATE</small> _____ <small>BY</small> _____ <small>DATE</small> _____	<small>REVISED BY</small> _____ <small>DATE</small> _____		<small>DATE</small> _____ <small>BY</small> _____

Staging Details



DLZ

NOT FOR CONSTRUCTION

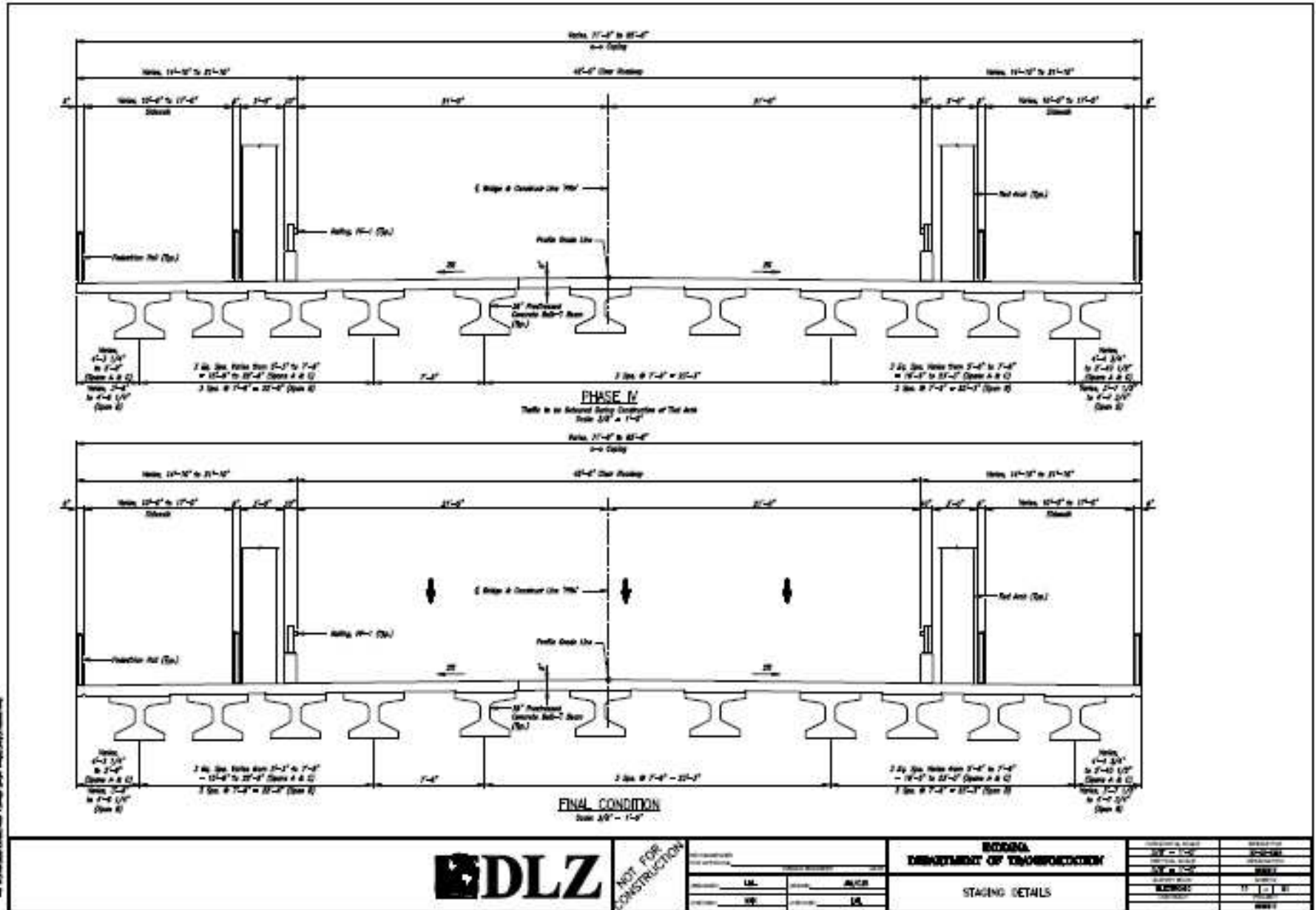
DATE	BY	CHKD
11/11/11	DL	DL
11/11/11	DL	DL

INDIANA DEPARTMENT OF TRANSPORTATION

STAGING DETAILS

PROJECT NO.	11-1-11
SECTION NO.	11-1-11
DATE	11-1-11
BY	DL
CHKD	DL
APP'D	DL

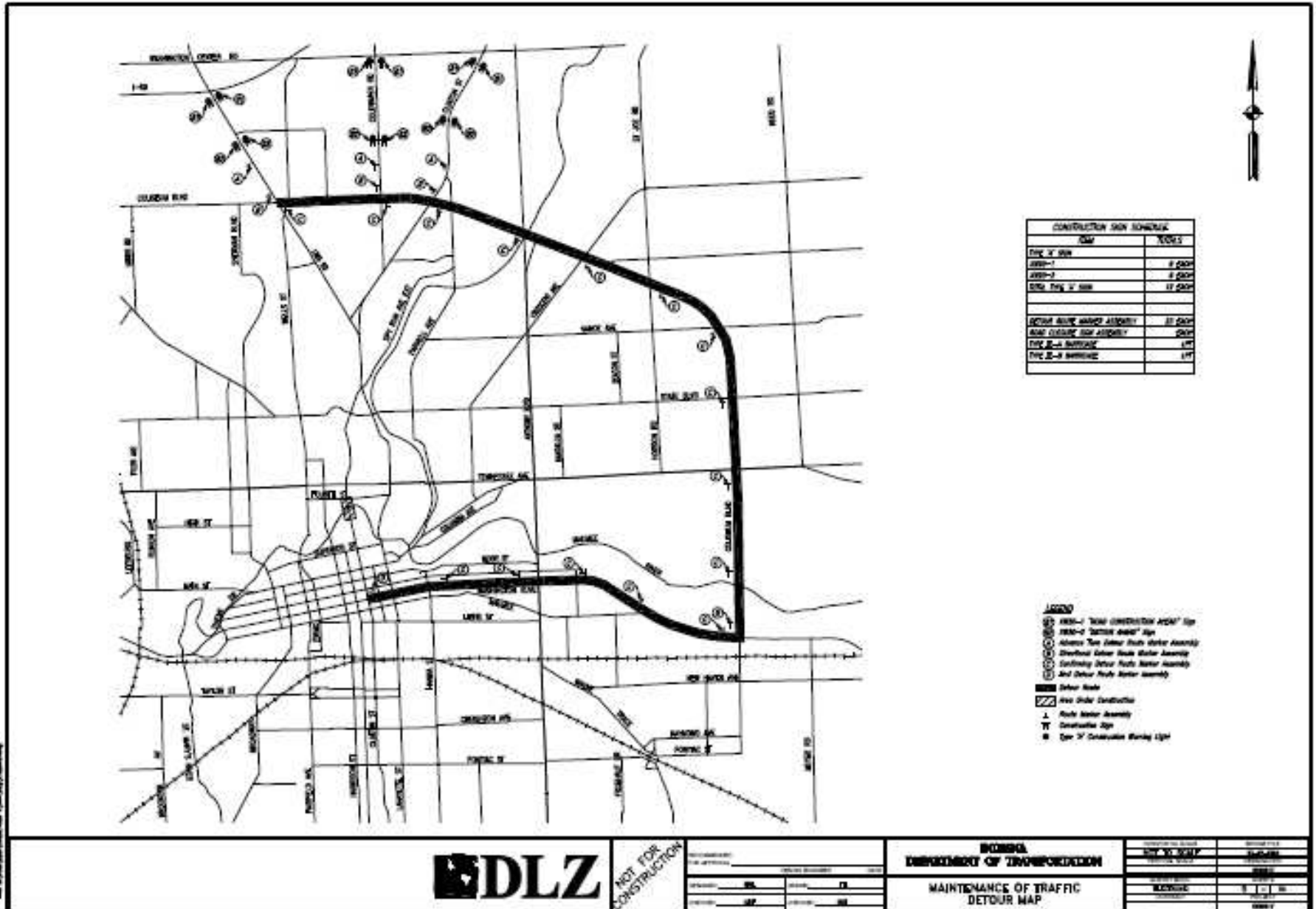
Staging Details



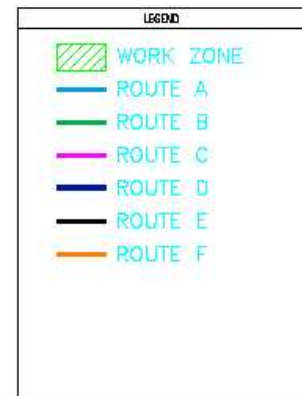
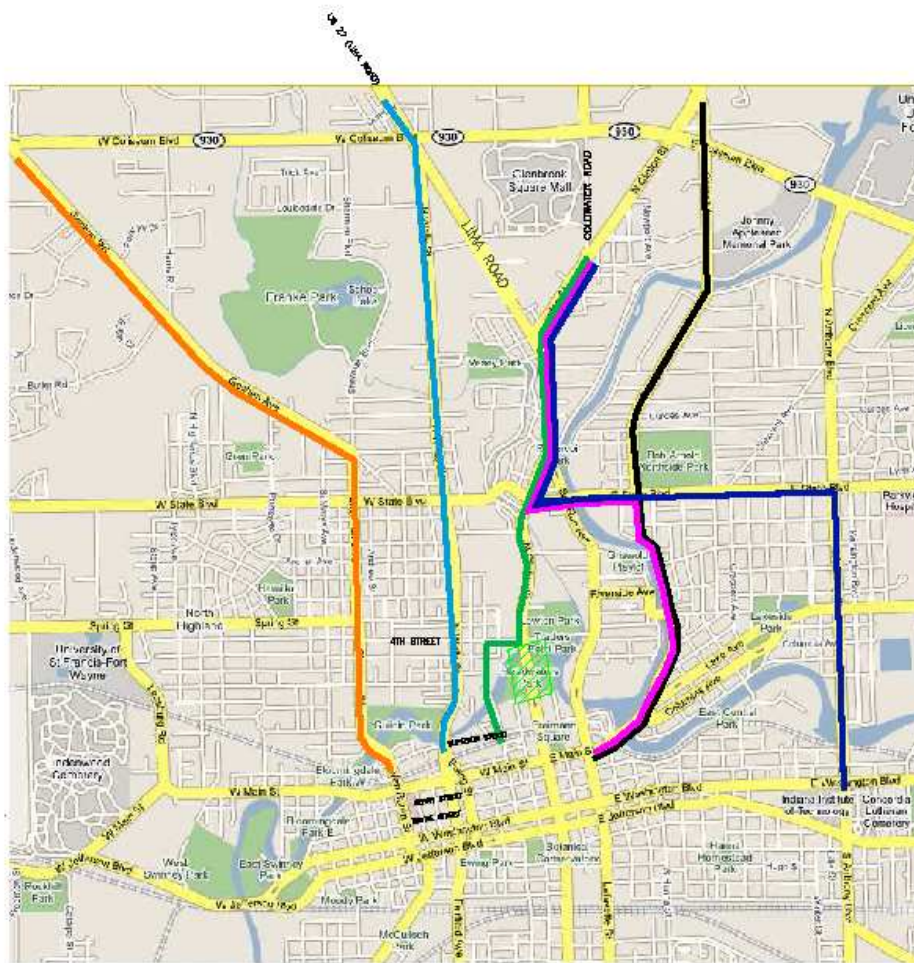
Traffic Study

- Identification of official detour for commercial and thru traffic using US route.
- An analysis of City's major streets with bridge crossing that will be used by commuters and local traffic as the official detour.

Official Detour Map



Unofficial Detour Map



DATE: 04.15.2024, 1:50:00 PM, USER: DLZ, PROJECT: US 27 BRIDGE OVER ST. MARY'S RIVER, LOCATION: FORT WAYNE, INDIANA, SCALE: 1:10,000, DRAWN BY: DLZ, CHECKED BY: DLZ, APPROVED BY: DLZ



CITY OF FORT WAYNE TRAFFIC IMPACT STUDY
TEMPORARY CLOSURE OF CLINTON STREET (US 27)
BRIDGE OVER ST. MARY'S RIVER

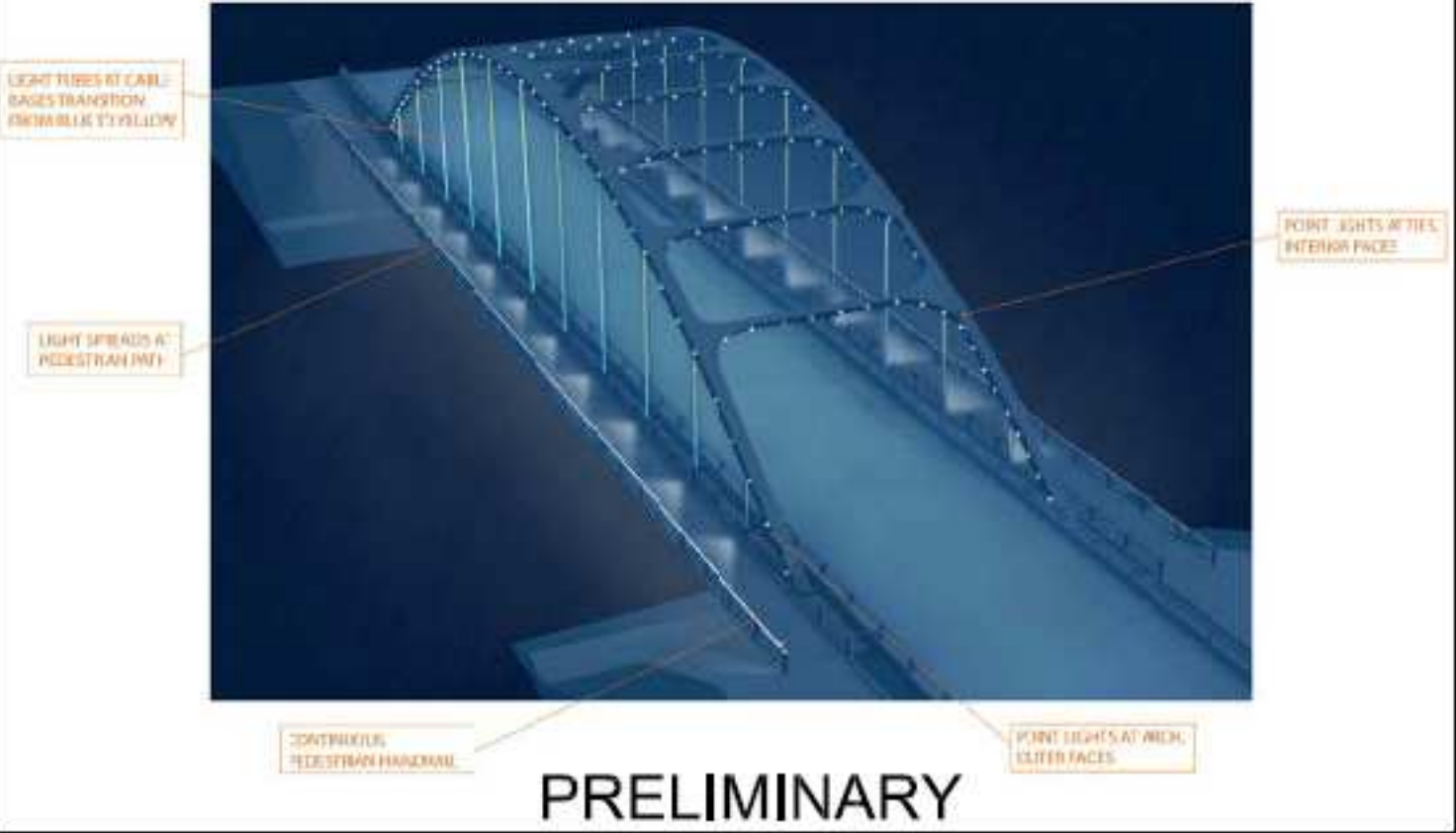
FIGURE 1.5
POTENTIAL DETOUR
ROUTES

Traffic Study (cont)

- The city transportation system will support traffic loads redirected by construction without incurring \$1.1M plus cost or damage to Headwaters Park that would be caused by a temporary bridge.

Bridge Lighting

OPTION 1 – ARCH AND TIE NECKLACE LIGHTS / COLOR-CHANGING CABLES



ILLUMINATIONARTS

ILLUMINATION ARTS LLC
www.illuminationarts.com | 650 Moorfield Ave., Suite #101 | Newark, NJ 07102 | T 973.771.1234 | F 973.954.6883

REVISIONS		
REV	DESCRIPTION	DATE

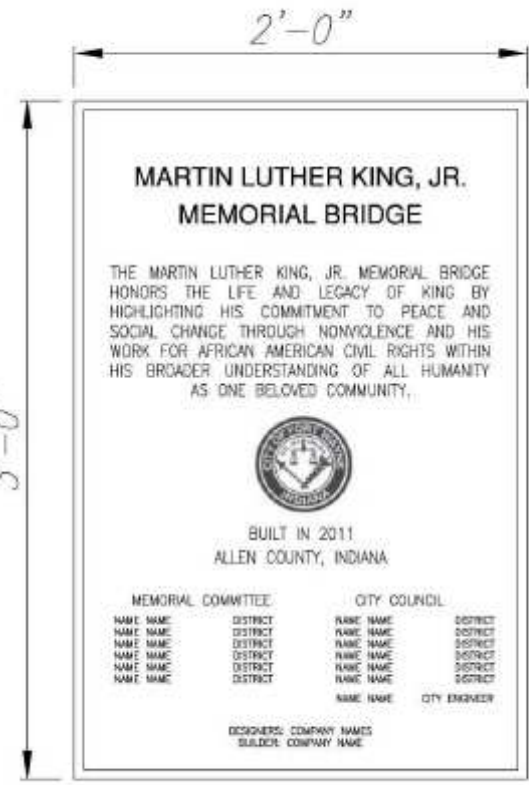
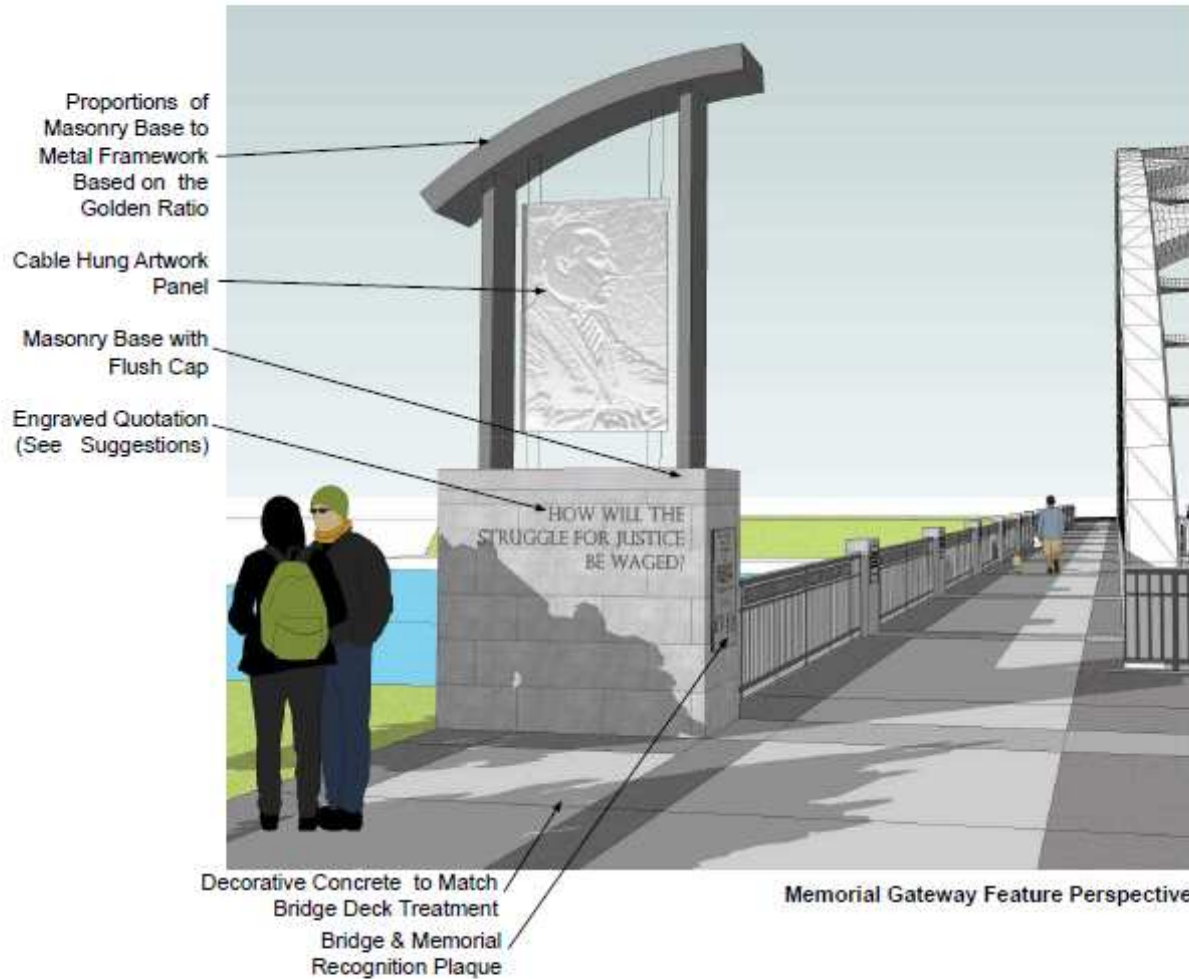
Clinton St, Bridge

DATE: 11/11/09	DWG NO. SK-1
BY: YW/KD	SCALE: NTS SHEET 1 OF 3

Martin Luther King Dr. Memorial

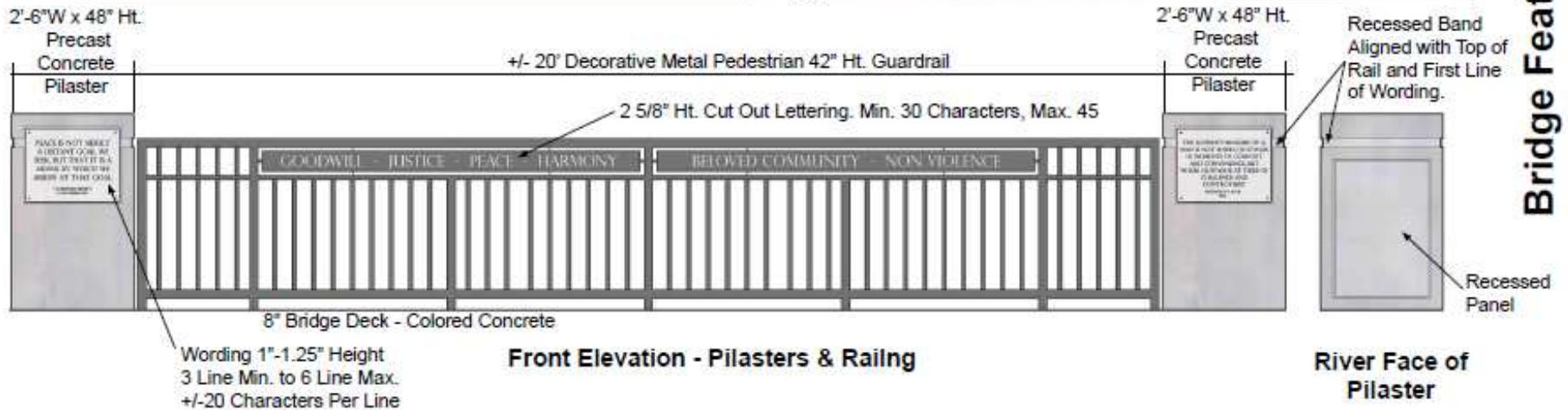
- Three (3) committee meetings chaired by Zenovia Pearson resulting in many great ideas and concepts expected to be finalized in December.

Martin Luther King Dr. Memorial Concepts



North End: Refinement of Memorial Gateway Features

Martin Luther King Dr. Memorial Concepts

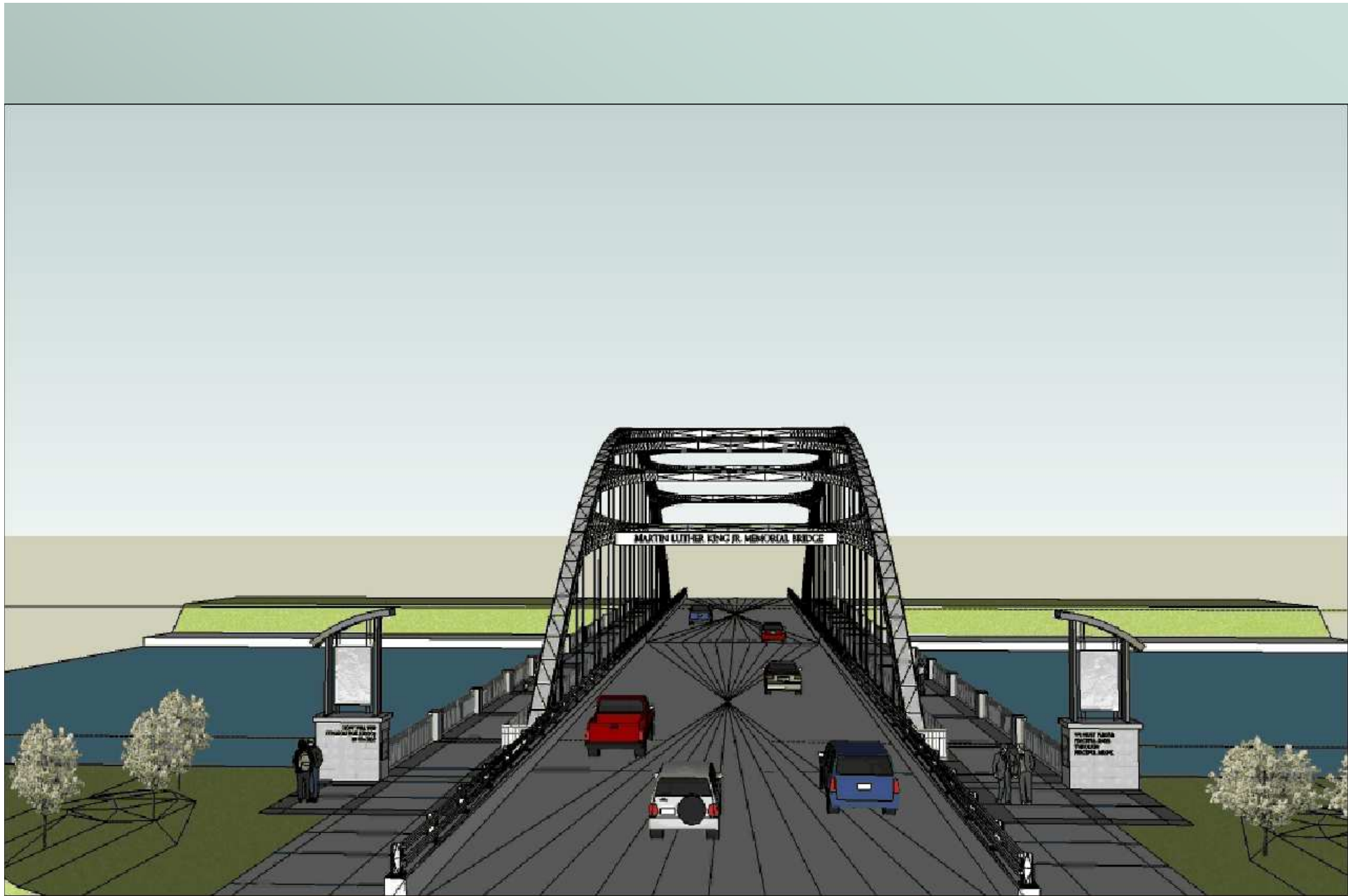


Design Items Submitted to INDOT

- Hydraulic Analysis
- Landscape Architect Plans/Cross Sections
- Stage 1 (Preliminary) Engineering Plans
- Abbreviated Engineering Assessment
- Environmental Compliance Certification
- Permit Application Certification
- Estimate of Probable Construction Costs

Schedule

- Stage 3 (Final) Plans submitted 12/22/09
- Bid Letting by INDOT 5/11/10
- Construction thru 2010 and 2011



North End-Animation

Q & A