Gary Valentine, P.E.
Executive Advisor
State Highway Engineer’s Office
The Real Story!

INTERSTATE
69

THE UNFINISHED HISTORY
OF THE LAST GREAT
AMERICAN HIGHWAY

MATT DELLINGER
Planning our Program

FINAL REPORT
OVERVIEW of EXISTING CONDITIONS
along the Wendell H. Ford and Edward T. Breathitt Parkways as part of the Strategic Corridor Planning Study for I-69 Eddyville to Henderson, Kentucky
ITEM NO. 2-69.10
March 2005

I-69 Corridor Master Plan
Eddyville to Henderson, Kentucky
KYTC Item 2-69.10

Final Draft
March 2008
EXECUTIVE SUMMARY

I-69 Strategic Planning Corridor Study
Overview of Existing Conditions
Julian M. Carroll Purchase Parkway and Interstate 24
Fulton to Eddyville, Kentucky

December 2011
Key Finding

Our Parkway system adequately meets AASHTO guidelines for most design elements. Most deficiencies are minor and will be accepted as design exceptions through agreements with FHWA.
Exceptions and Variances

- Substandard Inside Paved Shoulder Widths
- Substandard Bridge Widths
- Cross Slope/Superelevation
- Ditch Width/Foreslopes
- Interchange Spacing
- Interchange at I24/WKP
Necessary Upgrades

- Modernization of Toll Booth Interchanges
- 16ft vertical clearances over driving lanes
- Modernization of ramp tapers
- Interstate Route Continuity
- Modernization of guardrail and end treatments
- Appropriate median pier protection
- Modernization of bridge rails
- Modernization of signs
- Protection of Access Control at cross roads
55 Miles of I-69
KY’s First 55 Miles

- Corridor Modernization Designed by HMB
- Corridor Built by Westate Construction
- Interchange Upgrade Designed by GRW
- Interchange Upgrade being built by Road Builders and Parkway Construction

New Terrain Interstate Estimates in rural areas are roughly $10 million/mile +/- in level to rolling terrain.

$20,500,000
2012 Six Year Plan

I-69 Corridor Phases
Kentucky's FY 2012-2018 Highway Plan

District 1

District 2

JULY 2012
Interstate 69

I-69 Route Continuity
Item #2-225.00

D - $500k – 2012
C - $10m – 2014
Pennyrile Parkway Modernization
Parkway Modernization

Pennyrite Parkway from I69 to Henderson

Item #2-232/235
C - $16M - 2014
KY813 Morton’s Gap Interchange Reconstruction
Interchange Reconstruction

Morton’s Gap KY813/Pennyrile Parkway Interchange

Item #2-8633

R-$1.45M-2013
U-$800K- 2013
C-$8.0M -2015
Interchange Reconstruction

KY56/Pennyrile Parkway Interchange in Sebree

Item #2-8637

R - $1M - 2014
U - $500k - 2014
C - $8M - 2015
Interchange Completion

KY416/Pennyrile Parkway Interchange

Item #2-8304

R - $730k – 2012
U - $400k – 2012
C - $4.68m - 2012
Item #2-69.02

D - $1m - 2012

NON 6YP

Estimate - $1.4B

Henderson, KY to Evansville, IN
Interstate Continuity

Interstate 69

I-24 / I-69
Interstate Major Fork
I-24/I-69 at Calvert City

Item #1-800

D - $2.5m – 2012
R - $3.1m – 2015
U - $1.6m – 2015
C - $16m – 2016
C - $8.0m - 2017
Parkway Modernization

Interstate 69

Purchase Parkway Modernization
Parkway Modernization

Purchase Parkway from Mayfield to Calvert City

Item #1-234

D - $500k – 2014
C - $7M - 2015
Interchange Reconstruction

KY348 in Benton Interchange Reconstruction
Item #1-8101

R - $2.21m - 2012
U - $1.88m - 2012
C - $16.32m - 2013

KY348/Purchase Parkway in Benton
I-69 Route Continuity at Mayfield
KY45/Purchase Parkway in Mayfield

Item #1-193

D - $2M - 2012
R - $5M - 2015
U - $2.5M - 2015
C - $25M - 2018
Parkway Modernization

Purchase Parkway Modernization
Parkway Modernization

Purchase Parkway Exit 1 to Mayfield

NON 6YP

Estimate - $2.75m
KY339 Wingo Interchange Reconstruction
Interchange Reconstruction

KY339/Purchase Parkway in Wingo, KY

NON 6YP

Estimate - $10m
TDOT Coordination

Purchase Parkway at KY/TN State Line
Pennyrile Pkwy Interchange
Pennyrile Pkwy Interchange

- Palmer Selection – Oct 2012
- Notice to Proceed – March 2013
- Proof of Concept – May 2013
- Conversion to Design Build
- PL&G – July 2013
- Request for Proposals – Sept 2013
- Bids Submitted – Nov 2013
- Contractor Selection – Dec 2013
Pennyrile Pkwy Interchange

Interstate Design Criteria

- Design Speed – 70 mph
- 4 lane Facility
- Lane Width – 12 feet
- Shoulder Width – 10 feet Paved (outside)
  4 feet Paved (inside)
- Median Width – 36 feet Pennyriple Parkway
  30 feet Western Ky Parkway
Alternative 2
EXISTING INTERCHANGE IMPROVEMENTS
Pennyrile Pkwy Interchange

Safety Analysis

Western Kentucky Parkway
CRF - 0.858

Pennyrile Parkway
CRF - 0.779

0 Fatal Crashes
7 Injury Crashes
## COST ESTIMATE

### HOPKINS COUNTY

#### I-69 AND PENNYRILE PARKWAY INTERCHANGE

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Owners Representative

- Develop RFP
- Assist with Plan Review
- Not part of scoring committee
- Utility Coordination
- Preliminary Line and Grade Plans
- Geometric Layout Sheet/ Design Executive Summary
- Right of Way Plans
Pennyrile Pkwy Interchange

SURVEY

- Horizontal & Vertical Control
- Edges of Pavement
- Drainage data
- Geotechnical Staking
- Right of Way Staking
- Property Lines
- Utility Coordination
Pennyrile Pkwy Interchange

ENVIRONMENTAL

- CE Level III Reevaluation
  - Archaeology (UK)
  - Noise & Air Analysis
  - Haz-Mat / UST
  - Document Preparation

- Document Approved
  - August 8, 2013
Pennyrile Pkwy Interchange

Right of Way Plans

- No Relocations
- Relocation of Cates Rd
  - Acquisition of Barn
- 6 Parcels
  - Mostly Farmland
Utility Coordination

- Meeting with Utility Companies
  - On site and Office

- Relocation Timing
  - Electric relocation in fall or spring
  - Gas relocation in fall or spring
  - Water relocation by contractor
Pennyrile Pkwy Interchange

Utility Coordination

- Electric Transmission Line
  - Relocation Required

- Gas Transmission Lines
  - Atmos (8in line)
  - Orbit (6 in line) (Future 16in line)
  - Survey of Line Elevations
  - Relocation of Vent Pipes
  - Avoided Relocating Lines
Pennyrile Pkwy Interchange

Utility Coordination

- Waterline Relocation
  - Relocation Plans included in RFP
  - Developed Conceptual Plans
  - Coordination with Utility Company

- AT&T
  - Abandon Line (No Relocation)

- No Cell Tower or Oil Tank Impacts
ALTERNATIVE 2
### Pennyrile Pkwy Interchange

#### COST ESTIMATE

**HOPKINS COUNTY**  
**I-69 AND PENNYRILE PARKWAY INTERCHANGE**

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FUTURE STEPS

- DRAFT RFP RELEASED – SEPTEMBER 5, 2013
- FINAL RFP RELEASED – OCTOBER 1, 2013
- TECHNICAL PROPOSAL - NOVEMBER 15, 2013
- PRICE PROPOSAL - DECEMBER 6, 2013
- AWARD CONTRACT - DECEMBER 13, 2013
- CONSTRUCTION COMPLETION - OCTOBER 2015
Questions

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