Appendix M:

INITIAL ALTERNATIVE DEVELOPMENT
MEMORANDUM AND ASSOCIATED FILES
TO: Tom Hall, PE
Judi Hickerson
Mikael Pelfrey, PE
Project Manager(s), KYTC
FROM: Shawn Dikes, AICP
Project Manager, Parsons Brinckerhoff
DATE: February 25, 2014
Revised March 4, 2014
SUBJECT: I-265 Programming Study
Item No. N/A
Explanation of Freeway Alternatives and Analysis Methodology

Project Background and Study Area

The purpose of this memorandum is to document the freeway alternatives that will be analyzed, as well as the analysis methodology that will be performed, as part of the I-265 Programming Study that is currently being performed by Parsons Brinckerhoff. A total of six alternatives will be evaluated using the FREEVAL analysis tool. These include:

1. Existing Baseline Condition: I-265 as it operates today (complete).
2. 2020 No Build: This includes identified 2012 Six-Year Highway Plan and TIP projects to aid operations / safety and/or increase capacity that would be in place by 2020.
3. 2020 Build: This includes all projects that are identified to be in place by 2020 (all projects from Alternative 2 and other small projects to address any identified ‘hot spots’).
4. 2040 No Build: This includes all projects in place by 2040. This will include projects assumed in the modeling effort, most notably an extra lane in each direction from I-65 to I-71.
5. 2040 + Collector-Distributor (C-D) Road: This includes all projects from Alternative 4, plus a C-D Road beginning just north of Old Henry Road and running through US 60 and I-64, and terminating between I-64 and the KY 155 interchange.
6. 2040 + 2 Capacity Lanes: This includes everything from Alternative 4, plus an additional capacity lane from I-65 to I-71 for a total of two additional lanes per direction.

The projects that are referenced above included in the 2012 Six-Year Highway Plan and TIP are discussed below and reference which alternative they are included in.

- Item No. 5-700.00: East End Bridge – currently under construction and will be completed before 2020, and will be included in Alternatives 2, 3, 4, 5 and 6.
- Item No. 5-264.10: US 31E and I-265 interchange improvements to provide turn lanes and new access – currently under construction and will be completed before 2020, and will be included in Alternatives 2, 3, 4, 5 and 6.
- Item No. 5-474.00 & 5-367.00: KY 3084 and I-265 interchange improvements and construction of new 4-lane route from I-265 to KY 22 – included in 2012 Six-Year Highway Plan, and assumed to be completed by 2020. Will be included in Alternatives 2, 3, 4, 5 and 6.
- Widening of I-265 from I-65 to I-71 – part of KYTC’s long range plan and will be included in Alternatives 4, 5 and 6.

It should be noted that there has been discussion about whether or not a new interchange will be constructed at Rehl Road. At this point, it is being assumed that the interchange will not be built; therefore it is not included in any of the alternatives.

As mentioned previously, FREEVAL will be used to analyze each of these scenarios. Freeway geometrics like acceleration / deceleration lengths, auxiliary lanes and number of lanes can be modified relatively easily for each scenario. If these modifications do not improve operations at an interchange or certain area within the study area, then a recommendation can be made for improvements / redesign for that particular area. Also, when evaluating specific projects in the 2020 or 2040 scenarios, the scenario can be evaluated with and without the improvement, to help gauge the impacts of a specific project or improvement, thus helping to prioritize projects.

In response to this memorandum, it is requested that KYTC either approve the alternatives or provide guidance on revising them. It is also requested that KYTC confirm the projects that are to be included in the alternatives, and provide any feedback on the specifics of their design, or advise if any projects are missing.

Widening of I-265 from I-65 to I-71 – part of KYTC’s long range plan and will be included in Alternatives 4, 5 and 6.
Hi All,

I wanted to share the attached memorandum with the subject project team to see if you had any comments.

The only comment I have is I do not see any ITS or “parallel corridor” evaluations in the memo. Originally I believe we had discussions on including existing and proposed. Maybe those will be evaluated as a subset of the lane additions. I am working with Jason Richardson on getting plans for the tunnel area but they are not yet available. Jason please add any thoughts.

Thanks.

Judi

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From: Dikes, Shawn P. [mailto:Dikes@pbworld.com]
Sent: Tuesday, March 04, 2014 3:51 PM
To: Pelfrey, Mikael (KYTC); Hall, Tom (KYTC-D05); Hickerson, Judi (KYTC-D05)
Cc: Walker, Scott; Walker, Lindsay A.; Witt, Thomas (KYTC)
Subject: RE: I-265 Programming Study - Freeway Alternatives

All - See the revised memo.  We have indicated that this is indeed referencing the 2012 Six Year Plan projects. We have also identified the projects of significance by their Six Year Plan # that are relevant to each alternative. The typo about KY 305 is fixed. And the reference to Alt. 6 has been corrected as well.

Please let me know if there are any other comments, and if not we can agree on these alternatives and the methodology and more forward with our analysis.

Thanks

Shawn

From: Pelfrey, Mikael (KYTC) [mailto:Mikael.Pelfrey@ky.gov]
Sent: Thursday, February 27, 2014 9:18 AM
To: Dikes, Shawn P.; Hall, Tom (KYTC-D05); Hickerson, Judi (KYTC-D05)
Cc: Walker, Scott; Walker, Lindsay A.; Witt, Thomas (KYTC)
Subject: RE: I-265 Programming Study - Freeway Alternatives
Shawn,

Thomas Witt and I reviewed and have some general comments:

1. Include 2012 before the Six-Year Plan reference to eliminate confusion as we currently have a 2014 recommended plan.
2. Instead of stating blanket statements such as “all projects that are identified to be in place by 2020” or “all projects in place by 2040” could the projects be listed so we wouldn’t have to reference other documents?
3. The second to last bullet mentions KY 305, but there is not a KY 305 in Louisville. Assume this is a typo.

Thanks.

Mikael Pelfrey, P.E.
Transportation Engineering Specialist
Kentucky Transportation Cabinet
Division of Planning

From: Dikes, Shawn P. [mailto:Dikes@pbworld.com]
Sent: Wednesday, February 26, 2014 8:36 AM
To: Hall, Tom (KYTC-D05); Hickerson, Judi (KYTC-D05); Pelfrey, Mikael (KYTC)
Cc: Walker, Scott; Walker, Lindsay A.; Dikes, Shawn P.
Subject: I-265 Programming Study - Freeway Alternatives

Judi, Tom and Mikael -

Attached is a memorandum that outlines the freeway alternatives that we are proposing to analyze for the I-265 Programming Study. We would like to get you and other KYTC staff to provide feedback on these before we begin the in-depth analysis.

Feel free to email or call to discuss this document.

Thanks

Shawn