

# Interstate 12 / Northshore Boulevard / Airport Road

Stage 0 Feasibility Study and Environmental Inventory

## Public Information Meeting #2 Thursday, February 28, 2008

6:30 – 8:00 p.m.

Parish Council Chambers - St. Tammany Parish  
Government



State Project No. 700-52-0139  
Federal Aid Project No. IMD-3602 (516)

# Project Sponsors

## Regional Planning Commission

- Walter Brooks, Executive Director
- Jeff Roesel, AICP, Principal Planner

## St. Tammany Parish Government Department of Engineering

- Joe Shoemaker, PE, Supervising Engineer
- Eddie Williams, PE, Project Engineer
- Rebecca Lala, PE, Traffic Engineer



# Project Team



## Planning & Engineering Tasks

- Ed E. Elam, AICP, Project Manager
- Henry Picard, PE, PLS, Project Engineer

## Tamplan, LLC

## Engineering Tasks, Public Participation, Land Use and Data Collection

- Allan Cartier, Principal
- Roy Cartier, Engineering

# Project Overview

...to develop interchange and roadway improvements to alleviate traffic congestion at the Interstate 12 exit ramps and Northshore Boulevard/Airport Road...



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# Traffic Operations

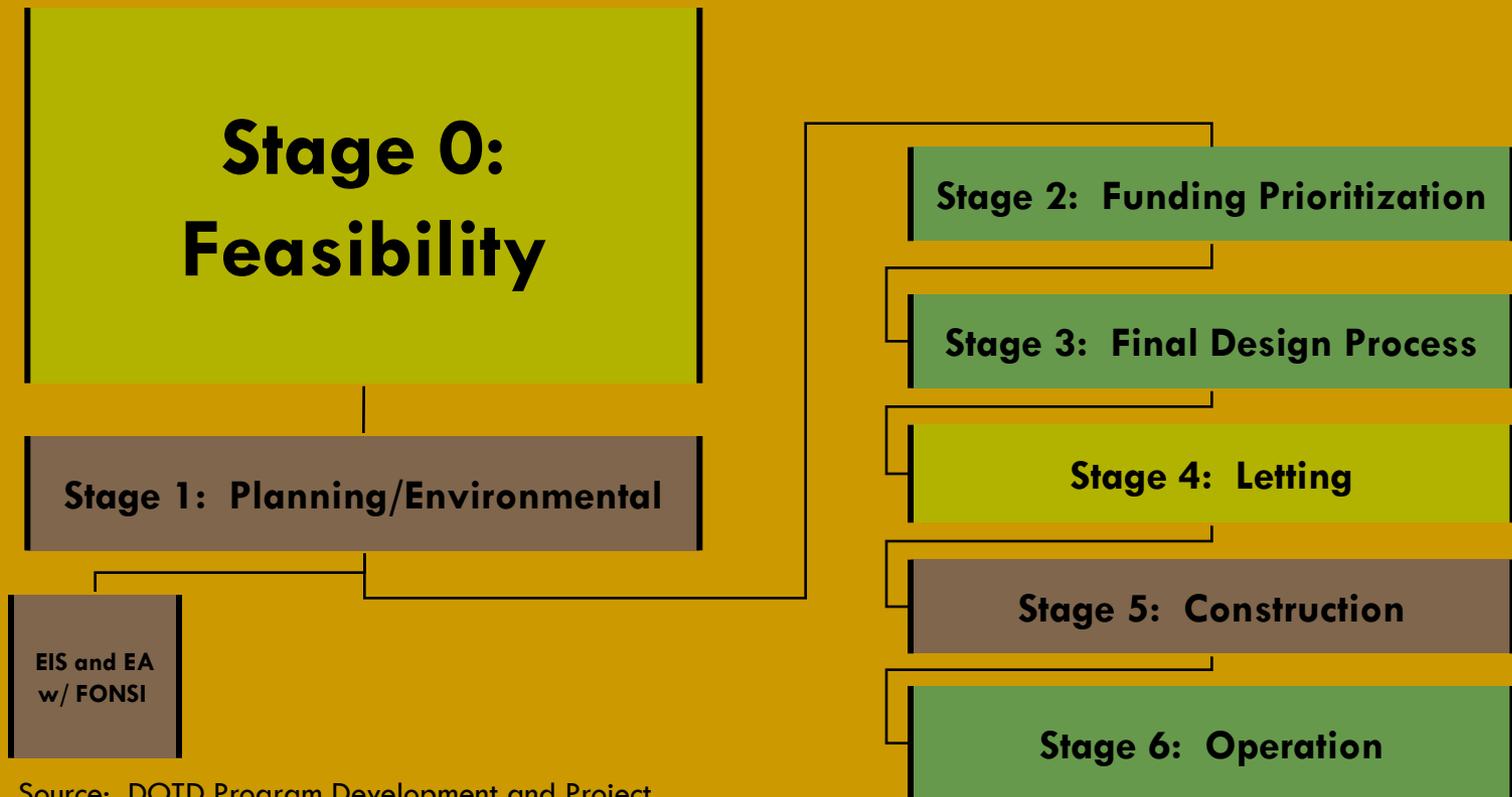
- All intersections at LOS E/F during PM peak periods
- Extended queues of slow or stopped traffic common during PM peak
- ADT (2006): 26,100\*

\* Daily volume between the I-12 ramps



# Stage 0 Review:

## The Program Development and Project Delivery System



Source: DOTD Program Development and Project Delivery System Manual, 2003.



# Preliminary Purpose & Need

## Project Purpose:

- To add roadway capacity within the interchange to accomplish the following objectives:
  - Provide travel time savings
  - Reduce congestion and improve intersection capacity
  - Identify viable alternatives to maximize available right-of-way
  - Support long-term general thoroughfare development in area

## Project Need:

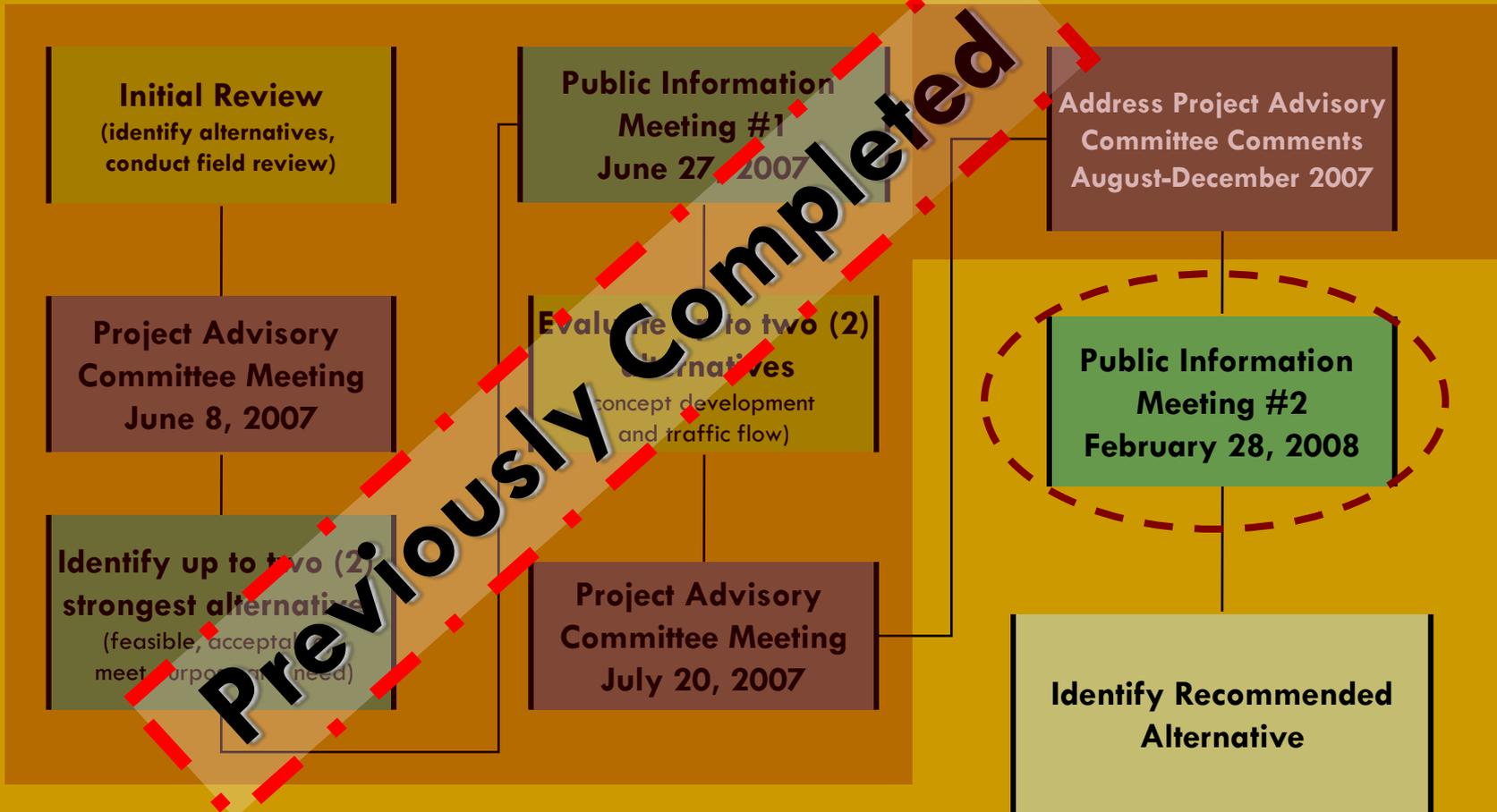
- Inadequate roadway capacity
  - Most intersections at LOS E/F during PM Peak
- Increase in traffic demand forecast
  - Residential/Commercial infill development
  - New planned developments in vicinity
- Support local capital improvement programs
  - 10-Year Capital Improvement Program, St. Tammany Parish
- Improve general traffic operations







# Concept Evaluation



# Public Information Meeting #1

- June 28, 2007
- Project introduction
  - Review planning process
    - LADOTD project development process
  - Identify project concepts
  - Discuss analysis
- Collect comments
- Receive questions





**Meeting Agenda**  
I-12 at Northshore Boulevard / Airport Road  
Stage 0 Feasibility Study and Environmental Inventory  
State Project No. 700-52-0139 • F&E Project No. IMD-3602 (516)

Public Information Meeting  
Thursday, June 28, 2007, 6:30 – 8:00 p.m.  
Parish Council Chambers, St. Tammany Parish, 21490 Koop Drive, Mandeville, LA

**Welcome**

**I. Project Introduction**  
Members of the public will receive an overview of the project. This discussion will include information on the project work plan and timeline and status of work completed to date. Included within this discussion will be a review of the Stage 0 Feasibility Project process.

**II. Review of Conceptual Alternatives**  
Members of the public will be presented with information on the project conceptual alternatives identified for the I-12 at Northshore Boulevard/Airport Road interchange.

**III. Intermission (10-15 minutes)**  
Members of the public will be provided an opportunity to review the information in more detail and ask questions of the project staff.

**IV. General Session**  
Members of the public will be reconvened into the general session to allow for any additional questions or comments.

**V. Adjourn**

Thank you for your participation at tonight's meeting. Please make sure to sign-in so the project team has a record of your attendance. The information provided will be used to notify you of any future meetings.

Please make sure to use a comment form to submit any written comments. Copies of these forms are available at the sign-in table.

Our anticipated total meeting time is 1 hour, 30 minutes.

  
A member of the TSC Group



# Concept Definitions

- Reconstruction
  - Rebuild existing interchange
    - Widen bridge, add turn lane capacity
    - Widen ramps (entry & exit)
  - \$9.5 Mil (O of M Construction Cost Only\*)
- Parallel Span
  - Build 2-lane bridge to one side
    - Add turn lane capacity
    - Widen ramps (entry & exit)
  - \$7.0 Mil (O of M Construction Cost Only\*)



\* - Does not include right-of-way, design fees, construction administration, mitigation, permitting



# Evaluation Summary

Concept	Preliminary Purpose & Need	Manmade Environment	Natural Environment	Traffic
<b>Reconstruction</b>	<i>Satisfies Initial Purpose &amp; Need</i>	<i>No impacts identified</i>	<i>No impacts initially identified</i>	<i>Best impact on traffic flow</i>
<b>Parallel Span</b>	<i>Satisfies Initial Purpose &amp; Need</i>	<i>No impacts identified</i>	<i>No impacts initially identified</i>	<i>Better impact on traffic flow</i>
<b>No Build</b>	<i>Does not satisfy Initial Purpose &amp; Need</i>	<i>Not applicable</i>	<i>Not applicable</i>	<i>No impact on traffic flow</i>



# Recommendation

- Reconstruction
  - Replace existing 3-lane bridge with 6-lane bridge
  - Construct dual left/right turn lanes from I-12 off-ramps to Northshore Blvd/Airport Rd
  - Construct dual right turn lanes to I-12 on-ramp from Airport Rd and Northshore Blvd
  - Improve Grantham College Rd at Airport Rd
  - Upgrade/interconnect traffic signals
- \$11.825 Mil (Updated Cost Estimate)



\* - Presented to public as Project Concept A at June 28, 2007  
Project Information Meeting  
State Project No. 700-52-0139  
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**Not to Scale – For Planning Purposes Only**

Small text block containing project information and logos for USGS and other agencies.



THE GAP

MULTIPLE STORES

SHELL OIL

South I-12 Service Road

6' SHOULDER

10' SHOULDER

Northshore Boulevard

150'-0" STACKING LANE

12' ROADWAY

12' ROADWAY

12' ROADWAY

12' ROADWAY

TIE INTO EXISTING LANES

320'-0" TRANSITION TO EXISTING ROADWAY



4' MEDIAN

10' SHOULDER

180'-0" TRANSITION

New NB Through/Right Turn Lane

PIER 1

BK BURK-KLEINPETER, INC. ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS  
In association with Tamplan, llc

North Shore Square

Lane improvements marked in Yellow

# Initial Recommendation (Sheet #1) (New Interchange Bridge + Improvements)

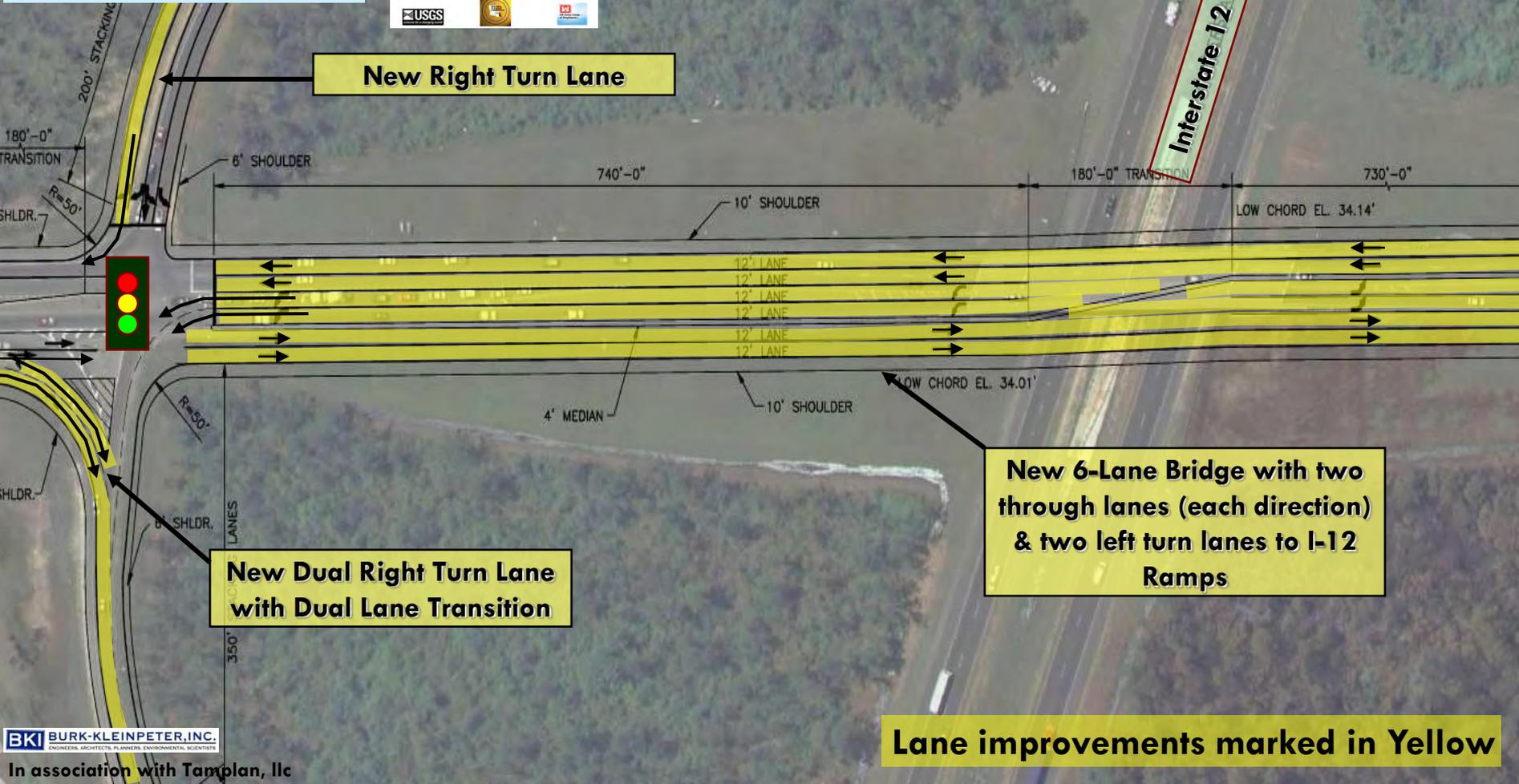
**Not to Scale – For Planning Purposes Only**

Small text and logos including USGS and other project-related information.



**New Right Turn Lane**

**Interstate 12**



**New Dual Right Turn Lane with Dual Lane Transition**

**New 6-Lane Bridge with two through lanes (each direction) & two left turn lanes to I-12 Ramps**

**Lane improvements marked in Yellow**

**BKI BURK-KLEINPETER, INC.**  
ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS  
In association with Tamplan, llc

# Initial Recommendation (Sheet #2) (New Interchange Bridge + Improvements)

**Not to Scale – For Planning Purposes Only**



**Stirling Slidell Shopping Centre**



**New 6-Lane Bridge with two through lanes (each direction) & two left turn lanes to I-12 Ramps**

**New Dual Right Turn Lane with Dual Lane Transition**

**Airport Road**

**New Right Turn Lane**

**New Through Lane Northbound (transition to Airport Road)**

**Grantham College Road**

**New Through/Right Turn Lane**

**Lane improvements marked in Yellow**

**BK BURK-KLEINPETER, INC.**  
ENGINEERS, ARCHITECTS, PLANNERS, ENVIRONMENTAL SCIENTISTS  
In association with Tamplan, LLC

# Initial Recommendation (Sheet #3) (New Interchange Bridge + Improvements)

# General Questions or Comments



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# Thanks for your attendance!

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