

Item #5A:
Village President Rodriguez
IL Route 45 Widening - IDOT Workshop

David Lothspeich

Subject: VE Final Presentation: US Route 45 from IL Route 60 to IL Route 22
Location: Bureau of Materials Laboratory Conference Room

Start: Fri 2/1/2013 1:30 PM
End: Fri 2/1/2013 3:00 PM
Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

This is the Final Value Engineering presentation for the above project. The project cost is estimated at \$72.8M. The study will be at the Bureau of Materials Laboratory Conference Room. The final presentation will be on Friday, 1st of February (see attached VE agenda). SVS is the Value Engineering consultant; Transystems is the Phase I consultant and Stanleygroup is the Phase II consultant.

The scope of work generally consists of the widening and reconstruction of approximately 5.1 miles of U.S. Route 45 from Illinois Route 60 to Illinois Route 22 passing through the Villages of Vernon Hills, Lincolnshire, Indian Creek, Mundelein, Long Grove and portions of unincorporated Lake County in southern Lake County, Illinois.

The proposed scope includes the reconstruction of U.S. Route 45 to provide three lanes in each direction with a barrier median from Illinois Route 22 to Illinois Route 21 and to provide two lanes in each direction with a barrier median from Fairway Drive/ Buffalo Grove Road to Illinois Route 21 and from Illinois Route 83 to Illinois Route 60.

In summary, the scope includes the following elements:

- Two through lanes in each direction along U.S. Route 45 from Illinois Route 83 to Fairway Drive/ Buffalo Grove Road separated by a 12-foot painted median
- Two through lanes in each direction along U.S. Route 45 from Fairway Drive/ Buffalo Grove Road to Illinois Route 21 separated by a 22-foot barrier median
- Two through lanes in each direction along U.S. Route 45 from Illinois Route 83 to Illinois Route 60 separated by a 30-foot barrier median
- Three through lanes in each direction along U.S. Route 45 from Marriott Drive to Jamestown Lane
- Intersection improvements to the fifteen (15) signalized intersections within the project limits
- Concrete curb and gutter and an enclosed drainage system
- Retaining walls to minimize impacts to right-of-way, floodplains, Section 4(f) properties and other environmentally sensitive areas
- Reconstruction of the Indian Creek Bridge over U.S. Route 45/ Illinois Route 21
- Construction of a proposed 10-foot multi use path and a 5-foot sidewalk throughout the project limits pending local participation
- Reconstruction of the major waterway crossings of Diamond Lake Drain and Seavey Drainage Ditch Measures to improve water quality of runoff before it is released into or near environmentally sensitive areas.

If you have any questions please let us know.



VE Agenda - US
45_IL 60_to_IL ...

VALUE ENGINEERING WORKSHOP AGENDA

US Route 45 from IL Route 60 to IL Route 22
Villages of Vernon Hills, Lincolnshire, Indian Creek, Mundelein, Long Grove and
portions of unincorporated Lake County
Lake County, IL

January 28-February 1, 2013

		Who Should Attend
Monday		
8:00 – 9:00	VE Team Orientation & Workshop Setup	VE Team Members
9:00 – 9:15	VE Study Introduction	Stakeholders & Designer
9:15 – 11:00	IDOT/Designer Presentation/VE Team Q&A	Stakeholders & Designer
11:00 – 12:00	Drive to Site	VE Team Members
12:00 – 1:00	Lunch Break	
1:00 – 3:30	Site Visit & Drive Back	VE Team Members
3:30 – 5:00	Project Analysis/Function Analysis	VE Team Members
Tuesday		
8:00 – 12:00	Project Analysis/Function Analysis (Cont.)	VE Team Members
12:00 – 1:00	Lunch Break	
1:00 – 5:00	Creative Idea Generation	VE Team Members
Wednesday		
8:00 – 10:00	Creative Idea Generation (Cont.)	VE Team Members
10:00 – 12:00	Evaluation of Ideas	VE Team Members
12:00 – 1:00	Lunch Break	
1:00 – 3:00	Value Alternative Development	VE Team Members
3:00 – 4:00	Stakeholders/Designer Review of Ideas Selected for Development With Team Leader	Stakeholders & Designer
4:00 – 5:00	Value Alternative Development (Cont.)	VE Team Members
Thursday		
8:00 – 12:00	Value Alternative Development (Cont.)	VE Team Members
12:00 – 1:00	Lunch Break	
1:00 – 5:00	Value Alternative Development (Cont.)	VE Team Members
Friday		
8:00 – 11:00	Value Alternative Development (Cont.)	VE Team Members
11:00 – 12:00	Prepare for Value Team Presentation	VE Team Members
12:00 – 1:00	Lunch Break	
1:00 – 1:30	Prepare for Value Team Presentation	VE Team Members
1:30 – 3:00	Value Team Presentation of Value Alternatives	Stakeholders & Designer
3:00 – 4:00	Clean Up & Wrap Up	VE Team Members



VE Kick-Off Agenda

Project: U.S. Route 45 between IL Route 60 and IL Route 22
Presenter: IDOT/TranSystems
Date/Time: Monday, January 28, 2013/9:00 AM
Location: IDOT Materials Lab; Schaumburg

Suggested Time Frame:

1 hour, plus 30 minutes for Q&A.

Exhibits (please provide):

1. Aerial mosaics of existing conditions, and proposed reconstruction
2. Large scale drawings of the Phase I plan that we can put up on the wall

Design Presentation Outline

Problem Definition / Scope of Project

This improvement consists of the widening and reconstruction of approximately 5.1 miles of U.S. Route 45 from Illinois Route 60 to Illinois Route 22 passing through the Villages of Vernon Hills, Lincolnshire, Indian Creek, Mundelein, Long Grove and portions of unincorporated Lake County in southern Lake County, Illinois.

Existing conditions – Constraints/Issues given and found during process that shape design

- Existing major utilities (Underground, Overhead, along Highway, across Highway)
- Traffic analysis (IDS Summary)
- Roadway deficiencies
- Environmental Constraints
- Existing drainage system
- Major Water/Culvert Crossings
- Indian Creek Bridge
- Any other special concerns?

Alternatives

Detailed discussion of alternatives

- Alternatives considered

Preferred Alternative

Detailed discussion of preferred alternative (include how high cost or high impact issues were avoided/minimized/mitigated)

- Proposed design - P&P/Cross Sections/IDS
- Design Exceptions
- Allowances for future improvements
- Roadway alignment changes
- Utility Conflicts
- Traffic Management
 - Schedule/Stages/Closures/Detours
- Proposed drainage system
- Environmental constraints/challenges
- Right-of-Way requirements

- Impacts to 4(f) resources
- Estimate of Project Cost
- Project Commitments (Adjacent property owners; Utilities)

Q & A