

STATEWIDE TRAFFIC SIGNAL SYSTEM PLANNING

BHO 3

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BHO - Project Team

- Chad Hammerl Project Manager
- Gary Rylander, Project Principal

Subconsultants

- George Stuempfig – SRF
- Manfred Enburg – TranSmart Technologies

Early Activities/Corridor Planning (EK Team Support)

- Environmental Scan (HNTB)
- National Best Practices (CSI Lead)
- Project Relations Definition (SRF/SEH)
- Project Communications (SEH)

CORRIDOR PLANNING METHODOLOGY FOR TRAFFIC OPERATIONS (CSI Lead)

- Performance Goals and Criteria
- Operations Scenarios
- Concept of Operations
- Planning Methodology

TRAFFIC SIGNAL SKETCH PLAN

First Steps

- Establish Corridors and Corridor Priority
- Data Collection
 - WisDOT Traffic Signal Data Base - SignalView
 - GIS/ Electronic Maps
 - Aerial Photographs – USDA
 - Informal discussion with Stakeholders and DOT staff to establish criteria
 - Field Data Collection

TRAFFIC SIGNAL SKETCH PLAN

First Deliverable

- Draft Sketch Plan to DOT/SPT in early January 2006
 - Map(s) of corridors being studied
 - Preliminary prioritization model
 - Database of corridor information
- Late January Workshop with Stakeholders

TRAFFIC SIGNAL SKETCH PLAN

Specific Work Tasks

- Develop Methodologies For -
 - Future traffic signal placement
 - Advanced traffic signal technologies
 - Combining traffic signals with other DOT efforts
 - When geometric improvements are required
- Technology Alternatives
- Based on Stakeholder Input, Establish Project Urgency
 - Red – Urgent
 - Yellow – Near Tear Need (< 5 years)
 - Green – (> 5 years)

TRAFFIC SIGNAL SKETCH PLAN

Goals

- Develop Statewide Consensus
- Establish Core Criteria
- Establish A Workable Migration Plan

TRAFFIC SIGNAL SKETCH PLAN

Final Deliverables

- Traffic Signal Infrastructure and Operations Plan
- Technology Alternatives
- Appendix to Infrastructure and M&O Plan

OPERATION ASSESSMENT

First Steps

- Data Collection
 - Collect 2005 Surveys
 - Collect National surveys of similar DOTs
- Develop supplemental survey questions to be submitted prior to January Workshop

OPERATION ASSESSMENT

Deliverable

- Technical Memorandum
 - Identify Regional Successes
 - Identify Efficiencies
- Two means of Improvements Identified
 - Existing Recourses
 - Additional Resources