

Transportation Management Plans

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Metro Process

- Process developed with team from Traffic, Construction, Design/Area Engineering, RTMC and Public Affairs
- Process implemented in May 2011, will be reevaluated this Spring
- Documents created
 - Red Flag Summary
 - Mobility Impact Assessment Worksheet
 - TMP checklist
 - TMP template
- Process summary and documents currently on MnDOT internal web site (iHub)

Metro process (cont.)

- Project Manager is steward of document during design
 - Internal projects -- MnDOT PM
 - Consultant/locally led projects -- Consultant/local PM
- TMP team
 - PM -- Business Liaison
 - Design -- Area Engineer
 - Construction -- RTMC
 - Traffic -- FHWA
 - Public Affairs

Metro process (cont)

- Components of a TMP (summary)
 - Red flag summary
 - Mobility Impact Assessment Worksheet
 - TMP worksheet
 - Traffic Control Plans
 - Time and Traffic Special Provisions
 - Additional Information
 - Traffic Analysis
 - Crash Data
 - Meeting Minutes, E-mails, etc.

Components of a TMP

- Red flag checklist
 - Completed during project scoping
 - Contains high level questions for considerations that could affect staging and cost of project
 - Don't need answers at this stage, but need to know major items to consider

Components of a TMP (cont)

- Mobility Impact Assessment Worksheet
 - Reformatting of flowchart in the statewide Safety and Mobility policy
 - Used to determine whether no TMP, basic TMP, or full TMP is needed

Components of a TMP (cont)

- TMP checklist
 - Checklist that lists impact considerations and mitigation strategies for identified impacts
 - Generated from lists in appendix of statewide policy
 - PM responsible for completing checklist; can delegate sections to other members of TMP team
 - Questions answered Yes, No or N/A, with Yes and No answers documented

Components of a TM (cont.)

- Traffic analysis
 - Some level of traffic analysis needed if planned closures are outside of hours in Lane Closure Manual or during peak hours (6-9 AM and 3-6 PM on roads not included in LCM)
 - Estimate traffic impacts
 - Establish thresholds and mitigation strategies
 - Metro Traffic has hired new work zone analysis engineer

Metro Examples

- 694 from TH 61 to TH 36
 - Unbonded overlay
 - Existing divided 4-lane freeway, 60,000-74,000 vpd
- 494 from TH 77 to TH 100
 - Mill and overlay; median, auxiliary lane, and drainage construction
 - Existing divided 6-lane freeway, 150,000-165,000 vpd (one of most congested corridors in Metro)

Questions?

TMP implementation and traffic monitoring



TMP implementation

- Resident Engineer is steward of document during construction
- Use TMP to assist in preparing T&T specs
- Modifications to TMP discussed with applicable TMP team members
- Modifications documented and sent to TMP team
- Construction implementation will begin in 2012 construction season

Traffic monitoring

- Utilize existing detection on freeways
- Add temporary detection
- Drive through work zones, alternate routes
 - Technicians assigned to projects
 - Student workers
 - Volunteer employees of agency

Questions?