All Steps in Project Development

- Business Community Outreach and Engagement
- Addressing Business Needs Checklist
- MyDOT Resources, References and Policies
- Detailed Design thru Pre-Letting
- Business Community Engagement
- Construction
- After Construction

- Planning thru Scoping and Early Detailed Design
- Construction
- Business Community Engagement
- After Construction
Consider HOW to Build

• Lesson learned from Design-Build
  – First, what to build
  – Then, HOW to Build
  – Then design details

Need Construction Input

• Known unknowns
• Unknown unknowns
• Complexity of the timing of construction operations
• Putting all of the independent designs together in the real world
Staging

- Develop staging with stakeholder input
- “Independent” sub-stage plans allow easier adjustment to schedule modifications
- Innovative contracting can be tied to staging
  - A+B (Cost plus schedule)
  - Lane rentals (budget for lane closures)

Design Temporary Conditions

- Traffic shifts: widen lanes?
- Temporary drainage
- Winter stages - bridges
- Snow berms/fencing
- Maintenance of traffic elements
Agreements Needed

- Will official mapping affect businesses?
- Will there be special assessments?
- Will maintenance agreements be needed?
- Will private areaways or utility vaults be impacted?
- Do owners have special requests?
- How much influence over municipal consent?

Pay Attention to Cross-Streets

- Hydrant, push button and possibly the sign make this sidewalk non-compliant to ADA guidelines
- Cross street raised and resulted in sloped front yard and eliminated a boulevard garden
What Were They Thinking Here?

Or Here?
How Should Project Be Constructed?

Faster Is Usually Better!
Nighttime Work

Maintenance of Traffic

- Detours
- Hours/days of operation
- Cross-street/access closures
- Haul routes
- On-street parking
Session 10

Minimizing Construction Impacts

Pedestrians, Bikes and Transit

Impacts to Adjacent Buildings
Construction Impacts

- Noise
- Dust
- Vibration
- Visibility
- Garbage Collection
- Construction debris
- Storage of construction equipment/materials
- Delivery of equipment/materials

Mitigation of Business Impacts

Report required by Legislature – delivered in February 2009
Current Legislation Pending

- Impairment of road access, parking or visibility for a minimum period of one month
- Business liaison must be identified
- Mitigation must include signage
- Information must be to identified businesses before and during construction

Understanding Business Impacts
Plan for Engagement

- Who is affected?
- Best ways to communicate?
  - Hotline
  - Email
  - Printed information
  - Meetings
  - One-on-one
- Dedicated business liaison

Information to Businesses

- Project duration and timetables
- Lane and road closures – detours
- Access and customer parking impacts
- Visibility
- Noise, dust, vibration
- Public participation opportunities
Session 10

Minimizing Construction Impacts

Businesses Helping Themselves

Discover 169 Campaign

Minnesota Department of Transportation
University of Minnesota Center for Transportation Studies

Advanced Design Flexibility Workshop
May 5-7, 2010

10-13
Construction Impacts

- What and HOW before design details
- Not just about project – also about impacts
- Businesses AND residents
- Think about the details
- Their perspective
- All steps in process

Questions/Comments?