



# **I-405 Corridor Today**

- Seattle, WA
- 3+Million Population
- 30-Mile Corridor
- 200,000+ ADT
- 1 HOV and 2 GP Lanes
- HOV's Used Extensively









# Improvement Project

- Separated HOV Lanes
- HOV Direct Access Interchanges
- 5,000 New Park-and-Ride Spaces
- Two Additional Lanes of Capacity
- Multiple Implementation Phases
- Rebuild/Construct 25-30
  Interchanges







# Interstate Access Changes

- FHWA Additional Interchanges to the Interstate System
  - 8-Point Access, Interchange Justification Report, Access Point Decision Report
- Traditional Approach
  - Individual Interchange Assessment
  - Adjacent Interchange Plans
  - Large Reports Evolved







# Interstate Access Changes

- Traditional Approach Won't Work
  - Thousands of Pages of Reports
  - 4,200 Capacity Calculations
  - Static Document With Limited Shelf Life
  - Confusing To Understand
- Completely New Approach Developed







### New IJR Approach

- Successful Document Based On
  - Team Approach
  - Performance Information
  - Phased Implementation
  - Living Document
  - Timely Report Process







### **Team Approach**

- All Decision Makers and Technical Staff Formed a Team
- Charter: Delivery of IJR Addressing Access Impacts
- Established Ground Rules and Working Assumptions (revisited them)
  - Technical, Political, Institutional Issues
- Met Consistently







#### **Performance Information**

- Clear Understanding of Operational Impacts
- 4,200 HCS Calculations
- Microsimulation vs. HCS
- Temporal Congestion Charts
  - Doppler or Brain Scans

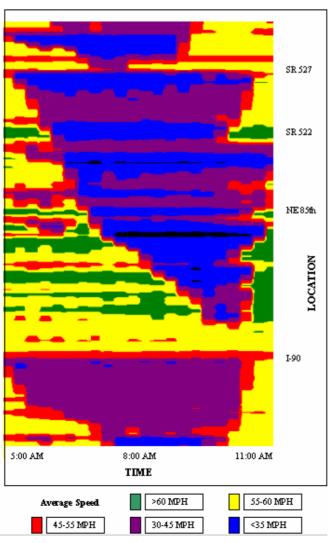




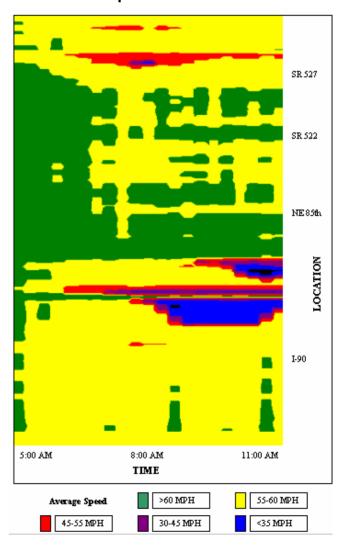


#### **Performance Information**

No Action



Improvement



360 Calcs Each



### **Phased Implementation**

- \$10.9 Billion Program
- \$1.5 Billion in Allocated Funding
- Uncertain Future Funding
  - Legislative and Voter Approval
  - Funding in Sections of Corridor
- Two Major Phases
  - 10-15 Year, 20+ Year







# **Living Document**

- Master Document For Both Phases
- FHWA Approval for Corridor Plan
- As Funding Becomes Available...
  - Specific Analyses Conducted
  - FHWA Local Review/Approval of Analysis and Design Details Only
- No New IJR Report Required







# **Timely Report Process**

- Aggressive Schedule to Complete Report in 12 Months
- Kept Team EngagedHCS Analysis to Compare Results
- 14 Month Process Resulted
  - Microsimulation vs. HCS
  - HCS Analysis to Compare Results







### Summary

- Concise Report
  - Team Approach, Performance Information, Phased Implementation, Living Document, Timely Report Process
- IJR Approved
- Living Document Able to Respond to Current and Future Access Issues







