Corridor Strategic Plan

- Strategic Vision
  - Test & Apply Technologies
  - Develop Basis for Higher-Costs “Smart” Programs
  - Foster “Paradigm Shift”
  - Shape Further Required Study:
    - Land-Use & Economics
    - Transportation Planning
    - Environmental

High-Speed Rail (HSR) Study

- Key Findings:
  - Full 150 MPH High Speed Rail:
    - Technically Viable
    - Cost $4 Billion
  - Incremental Upgrade ($40 Million)
    - Track, Signal Improvements
    - 2 hour Time Savings
  - Shift Customs To Montreal - Another 1 hour savings
Meeting Agenda

- Project Status
- Strategic Plan Elements
- Related Phase 2 Improvement Studies
- Next Steps

Project Status

Stage 2 Projects:
- Technical Workshops
- Project Selection
- Project Development & Assessment
- Corridor Strategic Plan
  - Short-term Efforts
  - Long-term Strategic Vision
**I-87 Multimodal Corridor Study**

**Corridor Strategic Plan**

- **Strategic Vision for Corridor**
- **Selection of Phase 2 Concepts**
- **Review of Other Corridor Actions**
- **Develop & Assess Concepts**
- **Develop Corridor Strategic Plan**

**Original Phase 2 Concepts**

1. ITS/CVO Programs ………. **Ph. 2 Projects**
2. I-87 Corridor TMC ………. **Ph. 2 Project**
3. Luther Forest Access … **Separate Project**
4. Capital Region Intermodal… **Ph. 2 Project**
5. Northway Capital District … **Ph. 2 Project**
6. Recreation Services ……… **Ph. 2 Projects**
7. HSR/Rail Commuter Shed … **Ph. 2 Project**
Corridor Strategic Plan: Major Elements

- SMART HIGHWAYS
- SMART/SAFE TRAVELER
- SMART FREIGHT
- SMART PUBLIC TRANSIT

Corridor Strategic Plan

- Initial Recommended Actions
  - Immediate Pay-off Actions
  - Help Jump-Start Programs
  - Do In-Service Demonstrations
- Includes:
  - Tested Applications
  - Innovative Technologies
  - Consistent with Vision

FOCUS OF PHASE 2 PROJECTS
Corridor Strategic Plan: Major Elements

**SMART HIGHWAYS**

**SMART/SAFE TRAVELER**

**SMART FREIGHT**

**SMART PUBLIC TRANSIT**

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**Corridor Strategic Plan**

**SMART HIGHWAYS**

- Strategic Goals:
  - Seamless Coordination Among Agencies
  - Use of Smart Networks
  - Support for Transit Modes
  - “Smart Capacity”:
    - Managing Existing
    - Planning New

---

**Stopped Traffic Ahead**

**35 Minute Delay**

**Accident: Southbound Rt. 9**
**Corridor Strategic Plan**

**SMART HIGHWAYS**

- Other Current Activities:
  - NYSDOT ITS Programs:
    - TRANSMIT
    - VMS & HAR Systems
  - NYS Agency Integration
  - I-287 Corridor Planning
  - Interstate & International Coordination

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**Corridor Strategic Plan**

**SMART HIGHWAYS**

- Phase 2 Project Examples
  - I-87/Route 9 Closed Loop Traffic System
  - Capital District Highway Upgrades
**Corridor Strategic Plan: Phase 2 Project**

**I-87/Route 9 Closed Loop Traffic System**

- Address Congestion & Incident Response
- Builds on Existing Systems
- Real-Time Data & Control Capabilities
- More Efficient Road Usage
- Test Case for Broader Application

Cost: $5 - $6 Million

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**Corridor Strategic Plan: Phase 2 Project**

**Capital District Highway Upgrades**

- Minor Improvements Tested:
  - Ramp Metering
  - Minor Interchange Upgrades

- Short-Term Conclusion:
  - Minimal Payoff from Upgrades & Metering
  - Major Improvement = Major Changes
  - Rely on System Management
**Corridor Strategic Plan: Phase 2 Project**

**Capital District Highway Upgrades**

- Longer-Term Conclusion:
  - Continued Traffic Growth
  - Highways Facing Reconstruction
  - System has “choke points”
  - Major “Smart” Upgrades Likely
  - Decided through MPO process

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**Corridor Strategic Plan: Major Elements**

- **SMART HIGHWAYS**
- **SMART/ SAFE TRAVELER**
- **SMART FREIGHT**
- **SMART PUBLIC TRANSIT**

[Stopped Traffic Ahead 35 Minute Delay]
Corridor Strategic Plan

SMART/SAFE TRAVELER
• Strategic Goals:
  • Pre-Trip & In-Trip Traveler Communication
  • Expanded Collection & Sharing of Data
  • Expanded Marketing & Education to Increase Usage
  • Use of Smart Networks

Other Current Activities:
• TRANSMIT System
• Albany TMC Incident Management
  • HELP
  • HAR & VMS
• Hudson Valley TMC
• TRANS.COM
**Corridor Strategic Plan**

**SMART/SAFE TRAVELER**
- Phase 2 Project Examples
  - Border Queue Detection
  - 3-Tiered Tourist Kiosk System
  - Exit 20 Improved Access and Queue Detection
  - Adirondack Tourist Destination Signage Plan

**Corridor Strategic Plan: Phase 2 Project**

**US-Canada Border Queue Detection**
- Provide Safety over 2-Mile Segment at Border
- Upgrades Existing System:
  - Queue Warning
  - Queue Duration Information
  - Tie-In with Corridor ITS
  - Coordinate with MTQ System

Costs: $1 - 1.5 Million
**Corridor Strategic Plan: Phase 2 Project**

**3-Tiered Tourist Kiosk Program**
- Support for Adirondack Tourist-Recreation Businesses
- Three-Tiers:
  - Rest Areas (Glens Falls)
  - I-87 Gateway Interchange (Exit 30 to Route 73)
  - Tourist Destination (Adirondack Loj)
- Cost: $0.5 - $1.0 Million

**Corridor Strategic Plan: Phase 2 Project**

**Exit 20 Improved Access/Queue Detection**
- Access to Commerce, Recreation & Truck Routes
- Safety Issue on Exit 20 NB Off-Ramp
- Queue Detection & Warning:
- Provide Driver Information:
  - Alternative Routes
  - Special Events Assistance
- Cost: Up to $500,000
Corridor Strategic Plan: Phase 2 Project

Adirondack Tourist Destination Signage
- Support for:
  - Travelers
  - Adirondack Tourist & Recreation Industries
- Joint Effort of NYSDOT, DEC, APA, local gov’t & Private Sector
  - Driver Services Sign Initiative
  - Unified Tourist Signage Plan
Cost: Up to $100,000

Corridor Strategic Plan: Major Elements

- SMART HIGHWAYS
- SMART/SAFE TRAVELER
- SMART FREIGHT
- SMART PUBLIC TRANSIT
**Corridor Strategic Plan**

**SMART FREIGHT**

**Strategic Goals:**
- Expand Public-Private Partnerships
- Continued State, Federal, International Coordination
- Incorporate Safety & Security in Freight Planning
- Improve CVO Facilities
- Expanded Use of Rail

**Other Current Activities:**
- NY State CVO Programs:
  - OSCAR
  - NORPASS
- Federal CVO Programs:
  - CVISN
  - FAST
  - C-TPAT
- Interstate & International Coordination
## Corridor Strategic Plan

### SMART FREIGHT
- Phase 2 Project Examples
  - Near-Term Inspection Site
  - Rest Area Parking System
  - Safe & Secure Security Demo
  - Truck Access to “Build Now-NY” Site
  - “E-Seal” In-Bond Tracking
  - Kenwood Yard Expansion

## Corridor Strategic Plan: Phase 2 Project

### Near-Term CVO Inspection Station
- Provide Site until New Facility is Implemented
- High Peaks Rest Area SB (between Exits 30-31)
- First Full CVISN Site
  - Weigh In Motion (WIM)
  - “E-Credentialing” Check
- By-Pass Detection on Route 9
- Costs: $500,000 - $1 Million
### Corridor Strategic Plan: Phase 2 Project

#### Truck Parking Supply Monitoring
- Parking Management + Safety
- Initial Test: Two Rest Areas
- Multiple Functions:
  - Detect Usage
  - Inform Drivers (VMS)
  - I.D. Trucks for Credential Check
- Tie-In to IEN
Cost: $600,000

<table>
<thead>
<tr>
<th>Corridor Strategic Plan: Phase 2 Project</th>
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<tbody>
<tr>
<td><strong>“Safe &amp; Secure” Transportation Program</strong></td>
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<tr>
<td>• Coordinated Shipment Tracking:</td>
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<tr>
<td>• Private Firms</td>
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<tr>
<td>• Customs &amp; State Agencies</td>
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<td>• Multiple Functions:</td>
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<tr>
<td>• Inventory &amp; Anti-Theft</td>
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<tr>
<td>• In-Bond Security &amp; Tracking</td>
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<tr>
<td>• Truck &amp; Driver Inspection</td>
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</tbody>
</table>
Cost: To Be Determined
### Corridor Strategic Plan: Phase 2 Project

#### Groups
- Port of Montreal
- Port of Excellence
- NYS DOT
- Private Sector
- CANADA
- USA
- Greater Capital District

#### Functions
- Port of Entry Security
- Homeland and Border Security
- CVO Inspections
- Inventory Control (RFID)
- Port of Entry Security

#### Benefits
- Lower Cost
- Reduced Delays
- Improved Safety
- Better Capture Rate
- Reduced Losses
- Lower Inventory Costs
- Better Service
- Lower Cost
- Reduced Delays
- Better Capture Rate

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### Electronic Seal Screening & Tracking

- Tracks In-Bond Shipments
- USDA & USDOD Program
- Uses Existing CVO Technology
- Test Case:
  - I-87 & I-90 Corridors
  - Agricultural Products
  - Expandable
  - Tie to Safe & Secure Transportation Program

Cost: $100,000
**Corridor Strategic Plan: Phase 2 Project**

**Truck Access to “Build Now-NY” Site**
- Support for “Build Now-NY” Program in Queensbury at Exit 18
- Provide Direct Access to Sites
- Reduce Congestion on Key Commercial Corridor
- Improves Access to Glens Falls CBD & Major Employers

Cost: $500,000 - $1 Million

**Corridor Strategic Plan: Phase 2 Project**

**Kenwood Intermodal Yard Expansion**
- Support Corridor Intermodal Use
- Regional Market Limited
  - Industry Mix
  - Proximity to Major Ports
- Kenwood Yard Upgrade
  - More Capacity & Efficiency
  - Better Access

Cost: $6 - $8 Million
Corridor Strategic Plan: Major Elements

**SMART HIGHWAYS**

**SMART/ SAFE TRAVELER**

**SMART FREIGHT**

**SMART PUBLIC TRANSIT**

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Corridor Strategic Plan

**SMART PUBLIC TRANSIT**

- Strategic Goals:
  - Build on Empire Service Success
  - Smart Transit Corridors:
    - Enhance Existing Routes
    - “Smart Highway” Plans
  - Expand Transit Awareness
### Corridor Strategic Plan

**SMART PUBLIC TRANSIT**

- Other Current Activities:
  - Empire and Adirondack Line Improvements
  - Commercial Air Service Expansion to Adirondacks
  - Bus Priority Corridors
  - Transit Information on Web
  - I-287 Corridor Planning

### Corridor Strategic Plan

**SMART PUBLIC TRANSIT**

- Phase 2 Example Projects
  - Adirondack Rail Passenger Service Improvements
  - Adirondack Rail Corridor Network Upgrades
**Corridor Strategic Plan: Phase 2 Project**

**Adirondack Passenger Service Improvements**
- Improve Adirondack Service:
  - Greater Capital District
  - Service to Montreal
  - Major Elements
    - Extend Service to Saratoga
    - System & Sidings Upgrades
- Cost: $4 - $7 Million

**Corridor Strategic Plan: Phase 2 Project**

**Adirondack Corridor Network Improvements**
- Improve Passenger & Freight Service Reliability & Times
- Incremental Improvements:
  - Welded Rail
  - Signals
  - Sidings
- Cost: ~$20 Million
Corridor Strategic Plan

- Strategic Vision for I-87 Corridor
- Selection of Phase 2 Concepts
- Develop & Assess Concepts
- Review of Other Corridor Actions
- Develop Corridor Strategic Plan

SMART ELEMENTS:
- HIGHWAYS
- TRAVELER
- FREIGHT
- PUBLIC TRANSIT

SMART MARKETS:
- COMMUTER
- TOURISM
- INTERCITY PASSENGER
- TRADE

TEMPLATE FOR OTHER CORRIDORS
Next Steps

- Complete High Speed Rail Study (Mar 04)
- Finalize Concept Selection (Apr 04)
- Develop & Evaluate Alternatives (May 04)
- Complete Corridor Strategy (June 04)
- Prepare Final Report (July 04)
- Complete High Speed Rail Study (Aug 04)
- Finalize Concept Selection (Sept 04)

**PROJECT REPORTS**
**SAG MEETINGS**
**FACT SHEETS**
**NEWSLETTER**