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Saskatchewan Ministry of Highway and Infrastructure (MHI)



ITS Technical Plan – A Look into the Future

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Agenda

1. Phases of the Plan
2. Needs Assessment – stakeholder feedback
3. Regina Bypass
4. Discussion Papers
5. Data Management Centre
6. Vision Statement/Goals/Objectives
7. Projects



Phases of the Plan

- Stakeholder Feedback
- Needs Assessment/Gap Analysis
- Vision Statement, Goals, Objectives
- ITS Strategies
- ITS Projects



Stakeholder Feedback

- MHI internal staff
- Regina Bypass staff
- SGI, STC, SCETI,
- Emergency Services (police, fire)
- SK Emergency Medical Services Assoc.
- City of Regina
- Global Transportation Hub



Existing Highway Corridors

Major Corridors

- Major Corridors 1, 2, 6, 7, 9, 10, 11, 14, 16, 21, 35, 39, 48, 47, Regina Bypass, Ring Rd
- National Highways: 4-lane x-section
- Connecting Corridors: 2-lane x-section



Existing Infrastructure

Existing Conditions

- National Highway System
- Provincial Routes
- Urban Centre
- Provincial Border
- Vehicle Inspection Station
- Remote Vehicle Inspection Station
- CCTV camera locations
- Remote Control Weigh Station
- Variable Message Sign



Existing Systems – Commercial Vehicle Enforcement

- Vehicle Inspection Stations
- Roving Mobile Vehicle Inspection Stations
- Remote Vehicle Inspection Stations
- Over-height Detectors & Recording Systems

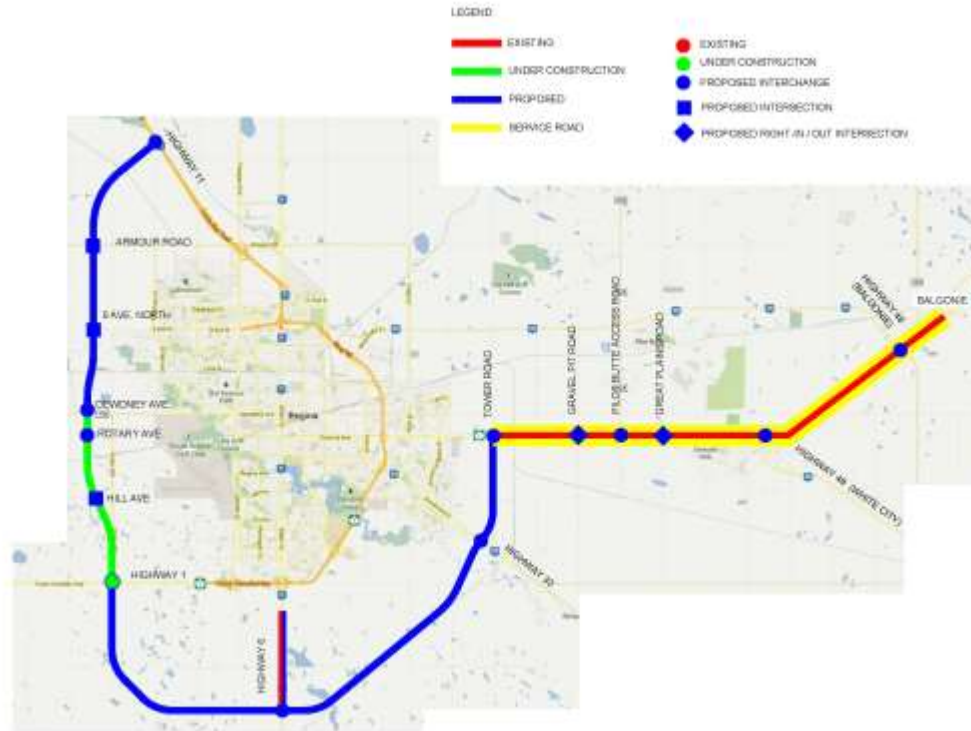


Existing Systems – Traffic

- Variable Messaging Signs
- Highway CCTV Cameras
- Traffic counters, classifiers
- Thermistors
- Highway Hotline website
- City (Regina/Saskatoon) – traffic, VMS



Regina Bypass

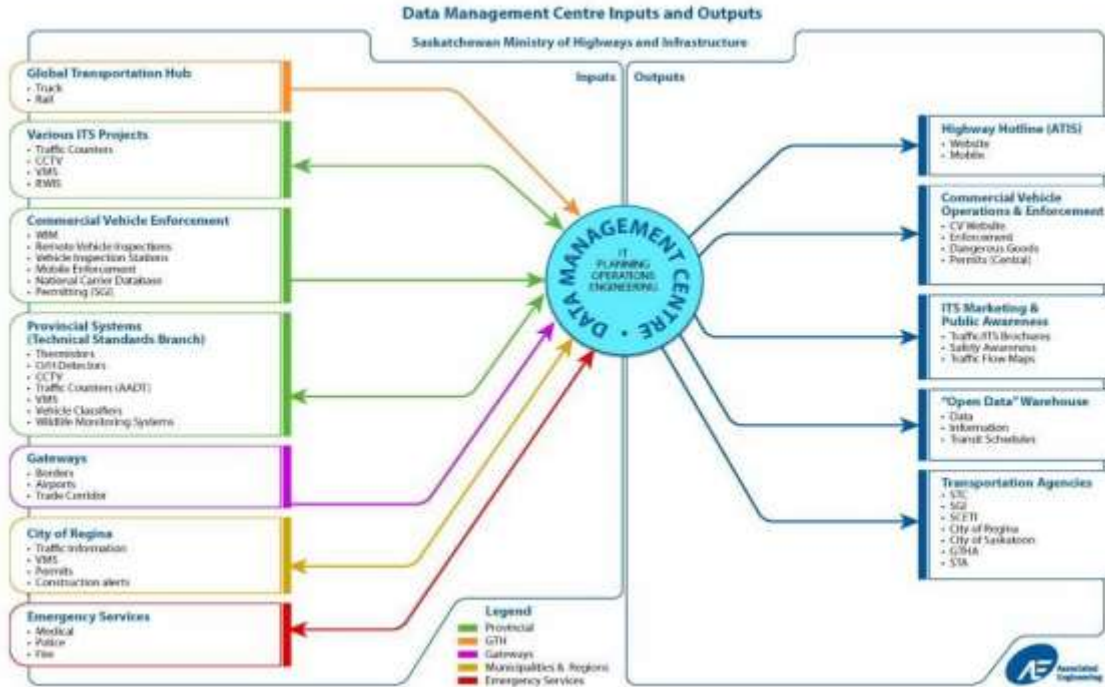


Discussion Papers

- General Assumptions
- ITS Infrastructure on Bypass
- Data Management Centre - Ownership
- Conceptual Layout of DMC and Generic Job Descriptions
- Commercial Vehicle Enforcement Strategy

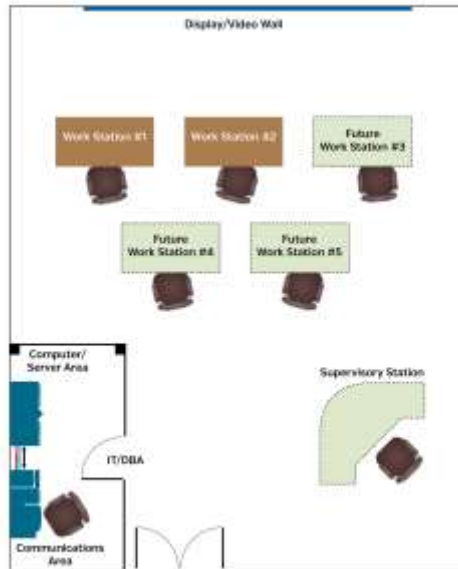


DMC Network Diagram



Data Management Centre

Figure 1 - Conceptual Layout of Data Management Centre (DMC)



Note: Computer/Communications equipment to be housed in a secure, temperature-controlled enclosure. If possible, optimal location of computer/communications closet is closer to work stations and video wall.

■ Provided by Epsilon
□ Provided by MHI



How is Vision related to Strategies and Projects?



From Vision to Strategies and Projects



Vision Statement

Supporting the economy and safe, efficient communities in a growing, prosperous Saskatchewan, with innovation and technology through ITS



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Goals

1. Transportation System – improve efficiency, reliability, mobility
2. Public Safety – increase safety of road and highway network
3. Economic Growth & Prosperity – improve and support the economy
4. Community Development – enhance & improve communities



Goals

5. Data and Information Management – develop a coordinated data process
6. Institutional Management – improve coordination between agencies



Focused Strategies

- Traveller information
- Traffic management
- Public transportation
- Electronic payment
- Commercial vehicle operations and enforcement
- Emergency management
- Vehicle safety and control systems
- Information warehousing



General Strategies

- Data management
- Transportation & data management centre
- Institutional management
- Marketing and education



Projects

- Description
- Agency & Stakeholder Roles
- Users and Benefits
- Project Tasks and Phasing
- Related Projects



Results of the Plan

- 12 strategies
- 50 projects

“The road to prosperity runs right through Saskatchewan”



Questions

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