Department’s Five Research Programs
Current Projects as of February 2000

1. Policy Research
   • The North-South Trade Corridor/CANAMEX Corridor
   • The Western Canadian Corridors and Ports Initiative
   • The Alberta Aviation Strategy
   • The Grain Transportation and Handling Study
   • Platoonning and headway study
   • Review and redraft of railway regulations
   • Prototype Accessible Taxi Vehicle
   • Transportation Table under the National Climate Change Strategy

2. Highway Infrastructure
   • Strategic Highway Research Program (SHRP) and C-SHRP
   • SHRP Superpave test site & monitoring
   • Untreated pavement crack evaluation
   • Alternative crack treatments – rout & seal; spray patching; Rejuvaseal
   • Recycled rubber tire in asphalt (U of C)
   • Use of fibre reinforced polymer (FRP) in bridge girder repairs (U of A)
   • Cracking of bridge decks from restrained shrinkage (U of A) *** NEW
   • High load damage surveillance system *** NEW
   • Digital videolog with GPS *** NEW
   • Plastic guardrail post evaluation *** NEW
   • Fisheries study and land reclamation
   • Overhead Signing Materials *** NEW
   • Mix Type Review *** NEW
   • Harmonization of Seasonal Weight Restrictions *** NEW
   • Cost Effective Open Office Plan Environment (COPE) study *** NEW

3. Safety
   • Wildlife reflector study (Parks Canada/U of A project)
   • Log truck configuration study (FERIC) *** NEW
   • Traffic safety initiative and safety data project
   • Rumble strips
   • A comprehensive fatigue management program for commercial drivers *** NEW

4. Intelligent Transportation
   • ITS-CVO applications
   • ATIS – highway advisory radio and changeable message signs
   • Develop an ITS Strategic Plan for Alberta *** NEW

5. Technology Transfer
   • Centre for Transportation Engineering and Planning (C-TEP)