

MONTANA DEPARTMENT OF TRANSPORTATION
Helena, Montana 59620-1001

MEMORANDUM

To: Kent M. Barnes, P.E./Materials Bureau
Robert E. Burkhardt/FHWA
John D. Craig/Transportation Planning Division
Jim Greil/Aeronautics Division
Dennis A. Hult/Motor Carrier Services Division
James E. Hyatt/Maintenance Division
Joel M. Marshik, P.E./Environmental Services
Stefan Streeter, P.E./Billings District
James A. Walther, P.E./Highways & Engineering Division

From: Susan C. Sillick
Manager, Research Program

Date: January 17, 2001

Subject: Summary of Minutes from Thursday, December 14, 2000 RRC Meeting

1. **Budget Report:** None

2. **Research Project – current listing:** None

2a. *Valuation of Temporary Losses of Use of Transportation Facilities* – Attached

Bringing the RRC up-to-date, Sue said she and Jim Hyatt had met and determined this proposal warranted national level interest. They are currently putting together a proposal to be submitted in January as a NCHRP Synthesis. If this proposal does not make a high enough ranking as an NCHRP Project, then Jodi Carson, PhD, MSU, is also interested in this project.

3. **Reports:**

3a. *Highways as Potential Barriers to Movement and Genetic Exchange in Small Vertebrates* – Progress Report 1 – October 2000 - Attached

3b. *Extending the Season for Concrete Construction and Repair* – FHWA Pooled-Fund Project No. SPR2(219) – Progress Report No. 3 – Available Upon Request

3c. *Montana Local Technical Assistance Program – Third Quarter Activity Report – 7/1/00 to 9/30/00 – Attached*

3d. *Midwest States Crash Test – Pooled Fund Study – Third Quarter Progress Report – October 26, 2000 – Available Upon Request*

3e. *Evaluation of Geosynthetic Reinforced Flexible Pavement Systems Using Two Pavement Test Facilities – Third Quarter Progress Report – October 31, 2000 – Available Upon Request*

4. **Contract Extensions:** None

5. **Proposals:**

5a. *Monitoring Animal Use of Modified Drainage Culverts on the Lolo South Project – Attached*

This is the first proposal coming in under the Wildlife Ecology MOA, Sue and Gordon Stockstad both spoke on this project, which was submitted by Professor Kerry Foresman, UM.

The Technical Panel recommended the approval of this proposal as submitted and following a discussion, Kent Barnes made a motion to accept this project. Stefan Streeter seconded the motion. All present voted in favor of the motion.

5b. *Physical and Mechanical Properties of High-Performance Concrete Produced in Montana*

Kent gave an update with the current activities on the HPC project. The technical panel (TP) reviewed previous research performed for MDT through MSU; the TP has concurred to continue this effort to develop an approved, indigenous HPC design mix for potential use in all areas of the state. An RFP is being drafted for this purpose.

Joe Kolman and Miki Lloyd of Bridge Design have discussed with Kent an experimental proposal involving the North of Saco BR-243 1(5)20, CN: 3421 construction project. Three structures of identical design will be built in 2002. The goal would be to use this project to compare our current special bridge deck mix (SBDM) with HPC admixtures.

This would be an opportunity to collect base data on issues involving workability and construction practices, chloride permeability, stress/strain relationships and economies of scale, all related to the aspects of bridge deck construction in Montana. The technical panel approached the RRC with a proposal to purchase testing equipment in that all of the testing involving chloride penetration/permeability can be done in-house. The equipment (Rapid Chloride Ion Permeability Test) will cost approximately \$14,000.00. This equipment will also be used on the phase one HPC

projects as well as similar projects. The RRC has approved this purchase through an email ballot. Mike Lynch of the Materials Bureau will be the coordinator in acquiring this equipment.

6. **Implementation:** None

7. **Solicitation:**

It was announced that the Solicitation ranking sheets would be ready for the January RRC meeting and the various champions would be there do discuss their projects.

cc: Craig Abernathy/Pavement Analysis & Research Section
Bruce H. Barrett/District Administrator-Billings
D. John Blacker/Maintenance Division
Russell G. McDonald/Human Resources Division
Loran Frazier, P.E./District Administrator-Missoula
Michael D. Ferguson/Aeronautics Division
Jason Giard, P.E./District Administrator-Butte
Gary A. Gilmore, P.E./Highways & Engineering Division
Michael P. Johnson/District Administrator-Great Falls
Joseph P. Kolman, P.E./Bridge Bureau
Drew F. Livesay/Motor Carrier Services Division
Robert E. Fischer/Right-of-Way Bureau
William L. McChesney/District Administrator-Glendive
Kenneth H. Neumiller/Engineering Oversight Bureau
Jeanne Nydegger/Pavement Analysis & Research Section
Brooke Page/Pavement Analysis & Research Section
Carl S. Peil, P.E./Preconstruction Bureau
Timothy W. Reardon/Legal Services
Patricia Saindon/Transportation Planning Division
William G. Salisbury/Administration Division
Robert D. Tholt, P.E./Construction Bureau
Jon S. Watson, P.E./Pavement Analysis & Research
File