

FEATHER RIVER RAIL SOCIETY AGENDA REPORT

DATE: October 31, 2006
FROM: Kerry Cochran
ITEM: New Business
SUBJECT: WP 705

The WP 705 has been on the Western Pacific Railroad Museum property for some time now.

The donors have indicated that they wish to see some progress made on the restoration of the unit and ultimately placed back into service.

Attached are three documents:

1. WP 705 Project (overview)
2. WP 705 Inspection Report
3. WP 705 Work Plan

These documents describe several aspects of the WP 705 project. Each will be used to determine the course of action to take in the restoration of the unit.

This is up for discussion and possible action

Create a WP 705 Restoration fund (restricted)

ACTION: Discussion, Possible Action

WP 705 Project

- 1) Donors pool their funds to purchase the WP 705**
- 2) Poll donors, on pro-rated bases to determine Color Scheme.**
- 3) Mechanical – Restore to operating condition**
- 4) Paint unit**
- 5) a) Donors understanding that the unit would be placed into RAL program**
b) Donors understanding that the unit would be placed into caboose train service

Create a work plan

Take plan to the Board of Directors

Perform work

Re-Dedication of unit

List of Donors

Paul and Kenneth Finnegan

Jack Palmer

Kerry Cochran

Don Nelson

Lew Barnard

Dave Bergman

Norm Holmes

Hank Stiles

Eugene Vicnair

Wayne Monger

Ed Wagner

Jay Sarno

WP 705 Inspection Report

July 7, 2006

by

Paul & Kenneth Finnegan
and Chris Boza

CAB

Engineer's side read window (15 7/8 X 25 1/4) is broken.
Engineer's rear window 30 x 17 3/8 and frame are missing.
Flooring in cab needs to be replaced.
Fireman's cab light needs.
Labels on indicator lights on rear cab wall are missing.
Locking ammo box for control levers needs to be installed.
A holder to hold cab pad lock when door is unlocked needs to be installed.
Engineer cab heater control knob is missing.
Cab interior needs to be prepped, primed and repainted and lettered.
Control stand panels need to be re-installed.
A radio, wiring and antenna need to be installed.
Battery switch doors need to be secured.
The jump seat needs to be repaired.
The engineer and fireman seats need to be repaired and/or cleaned.
Plywood above jump seat should be removed.
There are holes in front cab wall that should be plugged.
The first aid kit box needs to be cleaned and painted.
Inspection card holder is missing.
Blue card frame needs to be repaired.
Cab fire extinguisher is missing.
The fireman's speedometer holder should be cut off and ground down flat.
All windshield wiper machines are missing.
Windshield wiper arms that are in a bag inside the cab need to be installed.
The wiper blades need to be replaced.
Control stand valves/controls are frozen (e.g. bell, stand cut off valve.)
Cab light lens is broken.
Reverser and brake handles are missing
Emergency cab fuel shut off bracket plate is cracked and broken.
Manual radiator shutter lever is frozen. Handle is missing.

Front Hood

Locks from inside all front hood doors should be installed.
Classification lights need cleaning (bird nest.)
Number boards are missing.
Number board light box is missing.
Fireman's classification light lens is missing.
Engineer's classification lens is broken.

Ground

Ground light bulb engineer's side is missing.

Clean bell needs cleaning.

Ballast steel weld over engineer's front truck is broken.

Traction motor inspection and service needs to be performed.

Some hatches can't be opened (e.g. battery box cover.)

Battery box side doors hinges are broken.

Coupler movement limiter needs to be inspected.

Front sanding hoses are missing.

Rear sander pipe bracket which connects to main frame is broken.

#3 axel engineer's side chunk of wheel is missing – looks like it may be cracked.

#3 and #4 axles maybe should be turned.

#1 tire on engineer's side is concave in – should be turned.

Maybe all wheels need to be turned.

Electrical

All contacts should be cleaned..

All fuses should be tested and cleaned.

All lights need to be tested and replaced as required.

Bottom half of contactor B-2 is missing.

Rear headlight needs work, hit is anging by its wires. The locking mechanism is missing.

Front battery cable tip corroded off on engineer's side.

We don't understand why there are three cables to each box.

Engine Compartment

All filters in doors, air intakes, blowers, etc. need to be replaced.

Main generator brushes need to be replaced.

Internals of blowers are filthy, filters were missing and it is full of dust.

Generator motor blower conduit bracket is broken and needs to be re-welded.

Cover for air compressor intake is missing.

Fireman's side most rear hood door frame is broken.

The governor needs to be replaced, electronics are missing.

Fabricate and install new governor wiring harness required – DONE 7/3/06

All fluids (air compressor, engine oil, governor oil) need to be replaced.

Rear number boards are missing.

Rear number board light boxes are missing.

Water sight glass needs to be cleaned - stopcock valve at bottom is frozen.

Engine room fire extinguisher is missing.

Lay shaft appears frozen.

Fireman's side rear air box inspection cover stand-up is broken.

Fireman's side front air box cover can't be fully opened – there is a pipe in the way.

#11 Flash-cock valve is missing.

A water pipe on fireman's side needs work, the brackets are broken.

Rear Hood

Rear cat walk bridge bracket broken on fireman's side.
Clean and grease all hood door latches.
Clean, inspect and adjust hand brake.
Deck needs some spot repairs.

Top Side

Horn is missing.
Sand dome cover is missing.

Paint

Everything needs prep and paint.

Plaque

Donor Brass plaque for cab – needs to be procured and installed.

WP 705 Project

Work Plan

- A) **A) Identify members willing to participate in this project.**

- B) **Identify mechanical issues**
 - 1) **Identify missing parts**
 - 2) **Identify parts that are needed to return unit to service**
 - 3) **Identify needed fluids**
 - 4) **Obtain funding**
 - 5) **Obtain usable set of batteries**
 - 6) **Obtain needed parts**
 - 7) **Create work group for repairs**
 - 8) **Create work schedule**
 - 9) **Create time schedule (start time and projected completion)**
 - 10) **Place unit into operation**

- C) **Determine Pain Scheme for repaint**
 - 1) **Identify proposed paint scheme**
 - 2) **Select paint scheme**
 - 3) **Obtain funding**
 - 4) **Obtain paint supplies**
 - 5) **Paint unit**

- D) **Re-Dedication of Unit**
 - 1) **Plan re-dedication of the unit**
 - 2) **Re-Dedication**

- E) **Return to Service**
 - 1) **Place unit into RAL service**
 - 2) **Place unit into Caboose Train Service**