

# FEATHER RIVER RAIL SOCIETY – AGENDA REPORT

DATE: February 1, 2014  
FROM: Eugene Vicknair - Director  
ITEM: New Business 5  
SUBJECT: Lounge Car / Shower Car Repairs and Security

With the break-in of our Volunteer Lounge car last fall, much concern has been expressed about the security capability of the doors installed in the Lounge car and, by extension, in the Shower Car. The doors currently installed in these cars are prehung exterior doors with wood frames and steel skinned / wood frame doors.

To improve security of these cars and make entry more difficult, the next step would be to install either secondary security doors or steel frame, steel body doors. Secondary security doors would require opening two doors to enter and these doors are typically light steel and would still be vulnerable to the kind of pry bar entry that the intruder used.

Installing full steel frame doors will be much more expensive, but would be more secure. Cost analysis can be found below. One complication is the fixed, steel frame door opening in the cars. These will likely require modification of the door frames. However, one benefit is that the frames can be reinforced with welded elements and can be welded into the frames of the cars.

## SECONDARY SECURITY DOORS

Door cost each:	\$110.00 to \$350.00	X 4 doors =	\$440.00 to \$1400.00
Lockset cost each:	\$180.00 to \$300.00	X 4 doors =	\$720.00 to \$1200.00

Cost depends on style, brand and strength. Higher strength doors / locks will be higher cost.  
Door prices based on commercial brands supplied by Home Depot and Grainer.  
Lockset prices based on Schlage brand hardware with Schlage Primus deadbolts, as per current facility practice.

Total cost for Secondary Security Door option: \$1160.00 to \$2600.00, plus tax and misc. expenses

## FULL STEEL FRAME DOORS

Door / Frame cost each:	\$1300.00 to \$1800.00	X 4 doors =	\$5200.00 to \$7200.00
Lockset cost each:	\$180.00 to \$300.00	X 4 doors =	\$720.00 to \$1200.00

Cost depends on style, brand and strength. Higher strength doors / locks will be higher cost.  
Door prices based on Ceco brand supplied by Grainger. Doors include laminated windows with imbedded break-proof wire mesh and have 45 to 90 minute fire rating.  
Lockset prices based on Schlage brand hardware with Schlage Primus deadbolts, as per current facility practice.

Total cost for Full Steel Frame Door option: \$5920.00 to \$8400.00, plus tax and misc. expenses, such as new trim (approximately \$30 per door).

### IN-KIND REPLACEMENT OPTION

The cheapest option would be to replace the damaged door with the same or similar style and reinforce the frames / strike areas on all 4 doors. This would provide the least security but would also be the least cost.

Replacement of the damaged door with a new unit would cost about \$250.00 plus tax and misc. expenses. New hardware would be required, costing about \$180.00 to \$220.00 for equivalent hardware.

Reinforcement materials for each door would cost about \$100.00 to \$150.00, plus replacement trim and other materials costing \$30.00 to \$40.00 per door.

Total cost of this option would be about \$950.00 to \$1230.00, plus tax.

### SECURITY LIGHTING AND CAMERAS

It is further recommended that we improve our night lighting around the volunteer sleeping / support areas and install 1 to 3 security cameras in key locations in these areas, hooked to a recording system and remote monitoring capable. Cost of these options is being researched, but is expected to be in the \$600.00 to \$1000.00 range.

REQUESTED ACTION: Approve option and cost expenditure.