

Appendix C

Job Aid No. 3, Car Estimate Worksheet

Project Name: _____

Project Leader: _____

| Estimates on | | |
|--|---------------------|-------------------------|
| Car Number | | |
| <u>Work</u> | <u>Time in Days</u> | <u>\$ Cost Estimate</u> |
| A End | | |
| Buffer plate-diaphragm plate install & diaphragm canvas install. | | |
| Fillers (stem) build up & weld – buffer plate receiver | | |
| Threshold, sill area A end | | |
| Buffer plate repair, A end | | |
| Curtain case repair- new curtain install. | | |
| | | |
| B End (Observation End) Walls | | |
| Observation room end window openings | | |
| Platform side window openings, north side | | |
| Platform side window openings, south side | | |
| Window openings observation platform sheet metal only | | |
| Finish end wall | | |
| | | |
| Observation Platform | | |
| Clean & prime trim pieces & rubber deck covering, brass trim | | |
| Platform steps | | |
| Platform deck risers – fit, prime, fasten | | |
| Fab new platform trap doors w/ tubes | | |
| Fit and mount trap door hinges w/springs and latches | | |
| Platform end beam finish | | |
| End beam sheet caps/ R&R & finish install | | |
| B end buffer receiver & chain eyes | | |
| Brake rig & grab irons, hand brake handle | | |
| Platform hand rails, gates, and other fixtures | | |
| | | |
| Sides | | |
| Riveting side patch | | |
| Side sheet joint covers (strips) | | |
| Side sheet horizontal joint A end north | | |
| A end wrap to side walls vertical joint | | |
| A end south side corner grab iron | | |

| | | |
|---|--|--|
| A end north & south lower side steps | | |
| Roof to wall (letter board) joint south side | | |
| | | |
| Prep and Paint body | | |
| Finish acid etching, body filler & prime exterior of car | | |
| Spot putty and detail work. Sand&Re-prime car. Caulk car | | |
| Body fill roof ladder fixtures, broken fasteners | | |
| Roof A end: make and install sheet metal drip rails | | |
| Fit and install clearstory to roof sheet metal corners | | |
| Apply mastic to roof A-end | | |
| Mask roof, trucks, brake gear | | |
| Paint exterior - finish coats 2 tone-w/stripes | | |
| Paint lettering on car | | |
| | | |
| Windows | | |
| Wooden window trim exterior: fabricate, backprime & install | | |
| Window sash: Fit, sand, wood life, prime, varnish, color coat | | |
| Windows: install glass, contract | | |
| Wood machine tune up, wood storage space | | |
| Upper window filler, wood life, prime | | |
| Weather strip, exterior wood trim & filler strip | | |
| Window side trim - milling, sanding | | |
| Fit wood window side trim | | |
| Window side trim: finish | | |
| | | |
| Mechanical/Electrical Systems | | |
| High voltage AC electrical system | | |
| Exhaust system | | |
| Fuel tank installation | | |
| Battery | | |
| Refrigerant | | |
| Fab and install overhead evaporator, fans, resistant heat, duct | | |
| Generator box insulation | | |
| Sound deadening box construct & install | | |
| Generator set and radiator installation | | |
| Refrigerant lines | | |
| Misc. wiring for controls | | |
| Build electrical cabinets | | |
| Trimming electrical in car | | |
| Install ¼ HEP wiring and end connectors | | |
| | | |
| Finishing Car Interior / Minimum work | | |
| Reassemble interior doors | | |
| Misc. touchup and adjustments | | |
| Install steam chase grills and caps | | |
| Minimum Paint and varnish | | |
| Install Lucite over leaded glass | | |

| | | |
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| Linoleum patch | | |
| Repair and reupholster settee and Pullman section, volunteers | | |
| | | |
| Finishing Car Interior / More work | | |
| Strip smoking room | | |
| Repair smoking room woodwork | | |
| Refinish smoking room woodwork | | |
| Chairs for smoking room? Strip and refinish/ reupholster? | | |
| Furniture for main room? | | |
| | | |
| Finish Car Interior/ Even More Work | | |
| Further Striping of car interior/ repair and refinish | | |
| | | |
| TOTAL PERSON DAYS (@\$21/hour = \$168/day) | | |
| Materials | | |
| | | |
| Wood life | | |
| Spar varnish | | |
| Weather strip for window bottoms & sides | | |
| Curtain material A-end | | |
| Caulking tubes and guns | | |
| Jointer knives | | |
| Sand paper | | |
| Glass installation – by contract | | |
| Paint and painting supplies | | |
| Fuel tank | | |
| Rug, observation room | | |
| Linoleum (for patching) | | |
| Trimming electrical in car | | |
| Trucks & brakes work and parts | | |
| Battery | | |
| Exhaust system | | |
| Refrigerant | | |
| Insulation for box | | |
| Generator set installation | | |
| HVAC installation | | |
| Build electrical cabinet | | |
| 1/8” Lucite to sandwich leaded glass | | |
| Fab brass window guards | | |
| Kit for ¼ HEP | | |
| Misc. supplies and materials – contingency | | |
| Paint stripper/ Unknown Quantity @ ~\$75 per gal | | |
| | | |
| Finishing Details | | |
| | | |
| | | |
| TOTAL MATERIALS | | |

| | | |
|--------------------|--|--|
| | | |
| GRAND TOTAL | | |