

**CC-C: CAPITAL CONSTRUCTION REQUEST FOR FY 2010-11**

Project Title:	Cumbres & Toltec Scenic Railroad Track Rehabilitation	State Controller Project No.:	P-0633	Name and Email of Preparer:	Leo Schmitz leosctr@centurytel.net
Project Year(s):	FY 2006 to 14	Signature of Department or Institution Approval:	<i>[Signature]</i>	Date:	8/27/09
Agency or Institution:	Colorado Historical Society	Signature CCHE Approval:	N/A	Date:	
Agency or Institution Priority Number:	1 of 1	Signature OSPB Approval:	<i>[Signature]</i>	Date:	8/27/09

Revision? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Total Project Costs	Prior-Year Appropriation(s)	Current Request FY 2010-11	Year 2 Request	Year 3 Request	Year 4 Request	Year 5 Request
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<b>A. Land Acquisition</b>	(1) Land/Building Acquisition	\$0	\$0	\$0	\$0	\$0	\$0
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<b>B. Professional Services</b>	(1) Master Plan/PP	\$0	\$0	\$0	\$0	\$0	\$0
	(2) Site Surveys, Investigations, Reports	\$0	\$0	\$0	\$0	\$0	\$0
	(3) Architectural/Engineering/Basic Services	\$0	\$0	\$0	\$0	\$0	\$0
	(4) Code Review/Inspection	\$0	\$0	\$0	\$0	\$0	\$0
	(5) Construction	\$832,000	\$325,000	\$117,000	\$130,000	\$130,000	\$130,000
	(6) Advertisements	\$0	\$0	\$0	\$0	\$0	\$0
	(7a) Inflation for Professional Services	\$0	\$0	\$0	\$0	\$0	\$0
	(7b) Inflation Percentage Applied		0.00%	0.00%	0.00%	0.00%	0.00%
	(8) Other	\$0	\$0	\$0	\$0	\$0	\$0
	(9) Total Professional Services	\$832,000	\$325,000	\$117,000	\$130,000	\$130,000	\$130,000

<b>C. Construction or Improvement</b>	(1) Infrastructure	\$0	\$0	\$0	\$0	\$0	\$0
	(a) Service/Utilities	\$0	\$0	\$0	\$0	\$0	\$0
	(b) Site Improvements	\$11,981,000	\$5,188,000	\$1,883,000	\$1,970,000	\$1,570,000	\$1,370,000
	(2) Structure/Systems/Components						
	(a) New (GSF):	\$0	\$0	\$0	\$0	\$0	\$0
	New \$ /GSF						
	(b) Renovate GSF:	\$0	\$0	\$0	\$0	\$0	\$0
	Renovate						
	(3) Other (Specify)	\$0	\$0	\$0	\$0	\$0	\$0
	(4) High Performance Certification Program	\$0	\$0	\$0	\$0	\$0	\$0
	(5a) Inflation for Construction	\$0	\$0	\$0	\$0	\$0	\$0
	(5b) Inflation Percentage Applied		0.00%	0.00%	0.00%	0.00%	0.00%
	(6) Total Construction Costs	\$11,981,000	\$5,188,000	\$1,883,000	\$1,970,000	\$1,570,000	\$1,370,000

<b>D. Equipment and Furnishings</b>	(1) Equipment	\$0	\$0	\$0	\$0	\$0	\$0
	(2) Furnishings	\$0	\$0	\$0	\$0	\$0	\$0
	(3) Communications	\$0	\$0	\$0	\$0	\$0	\$0
	(4a) Inflation on Equipment and Furnishings	\$0	\$0	\$0	\$0	\$0	\$0
	(4b) Inflation Percentage Applied		0.00%	0.00%	0.00%	0.00%	0.00%
	(5) Total Equipment and Furnishings Cost	\$0	\$0	\$0	\$0	\$0	\$0

<b>E. Miscellaneous</b>	(1) Art in Public Places =1% of Total Construction Costs	\$0	\$0	\$0	\$0	\$0	\$0
	(2) Building Maintenance Fund	\$0	\$0	\$0	\$0	\$0	\$0
	(3) Relocation Costs	\$0	\$0	\$0	\$0	\$0	\$0
	(4) Other Costs	\$0	\$0	\$0	\$0	\$0	\$0
	(5) Total Misc. Costs	\$0	\$0	\$0	\$0	\$0	\$0

<b>F. Total Project Costs</b>	\$12,813,000	\$5,513,000	\$2,000,000	\$2,100,000	\$1,700,000	\$1,500,000	\$0
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<b>G. Project Contingency</b>	(1) 5% for New	\$0	\$0	\$0	\$0	\$0	\$0
	(2) 10% for Renovation	\$0	\$0	\$0	\$0	\$0	\$0
	(3) Total Contingency	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total Budget Request [F+G(3)]</b>	\$12,813,000	\$5,513,000	\$2,000,000	\$2,100,000	\$1,700,000	\$1,500,000	\$0

<b>I. Source of Funds</b>	CCF	\$4,600,000	\$1,950,000	\$1,000,000	\$1,050,000	\$850,000	\$750,000
	CF- STATE OF NEW MEXICO	\$7,213,000	\$3,593,000	\$1,000,000	\$1,050,000	\$850,000	\$750,000
	RF	\$0	\$0	\$0	\$0	\$0	\$0
	FF	\$1,000,000	\$0	\$1,000,000	\$0	\$0	\$0

Lettemote: This amount reflects funds anticipated to be received from the Government Services Fund pursuant to the federal American Recovery and Reinvestment Act of 2009

## CC-C: CAPITAL CONSTRUCTION REQUEST FY 2010-11

1. SUMMARY INFORMATION	Complete Every Row in this Column
a. Agency or Institution Name:	Colorado Historical Society
b. Project Name:	<b>Cumbres &amp; Toltec Scenic Railroad Track Rehabilitation</b>
c. State Controller Project Number:	P-0633
d. Project's Year (1, 2, etc.):	Phase 3 of 5
e. Date Sent to DHE:	7-10-09
f. Date Sent to OSPB:	7-10-09
g. Date Sent to CDC with copy to JBC:	9-1-09
h. Date of Project's Most Recent Program Plan:	June 6, 2009
i. Date of Governing Board Approval (for institutions of higher education):	_____ or <input checked="" type="checkbox"/> Not an institution of higher education
j. Continuation Project (there is a corresponding project appropriated in prior year)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No      If yes, list project numbers here: # __P-0633_____ # _____ # _____
k. Request 6-month encumbrance waiver?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No      (If yes, justify below)
l. Anticipated Project Completion Date:	6/30/2014
m. Purpose Code	E(1) Continuation Projects Not Final Phase
n. New construction or modification?	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modification
o. Total Square Footage	_____ASF      __N/A_____ GSF <b>64 miles of track</b>
p. Cost per Square Foot (using construction cost per section C of CC-C form and GSF)	\$ N/A

2. TYPE OF REQUEST	"X" <u>All</u> that Apply	Instructions
a. State-funded Project – Higher Education		Requires CDHE then OSPB approval before submission to CDC and JBC. Use CC-C Excel Form and CC-C Word form.
b. State-funded Project – Non Higher Education		Requires OSPB approval only before submission to CDC and JBC. Use CC-C Excel Form and CC-C Word form.
c. 100% Cash Funded Project for higher education institution participating in the Intercept Program		Requires CDHE approval only before submission to CDC. Use CC-C Excel Form and CC-C Word form.
d. Under 100% Cash-Funded Project – Higher Education		Requires CDHE then OSPB approval before submission to CDC and JBC. Use CC-C Excel Form and CC-C Word form.
e. Cash-Funded Project – Non Higher Education	X	Requires OSPB approval only before submission to CDC and JBC. Use CC-C Excel Form and CC-C Word form.
f. Federally Funded Project	X	Requires CDHE (if Higher Ed) then OSPB approval before submission to CDC and JBC. Use CC-C Excel Form and Word form.
g. IT Project		Use CC-IT Excel form and CC-C Word form. Non Higher Ed agencies must approve with OIT before submission to OSPB.

<b>3. CRITERIA FOR FY 2010-11 PROJECT</b>	<b>“X” Applicable Item(s)</b>	<b>Describe How Criterion is Met for Marked Items</b>
a. 100% Cash or Federally Funded Project	X	Cash Funds are from New Mexico, Federal Funds are from ARRA State Fiscal Stabilization Funds, Government Services Fund (18.2%)
b. Urgent AND Critical Life / Safety Project		
c. Project Originally in HJR 08-1042		
d. FY 2009-10 Project prioritized at “10” or higher on CCF, FML, or HUTF List		
e. Continuation Project from Prior Appropriation		
f. Statutorily required COP payment for capital construction		
g. Project requires CDHE approval for program review but does not meet FY 10-11 criteria for submission to the CDC.		

<b>4. BRIEF SUMMARY OF FY 2010-11 CAPITAL PROJECT</b>	<b>Enter summary below, this column</b>
State exactly what is requested, why, for how much, over what period of time.	<p>The C&amp;TSRR Commission is requesting funding to <b>continue the Track Rehabilitation and Upgrade Project</b>, begun in FY 2005-06. The FY 2010-11 request total is \$2,000,000 with one-half each from <b>Colorado and New Mexico at \$1,000,000</b>. Funds will be used to purchase and install 8,000 crossties; 24,000 tons of rock ballast; 288 barrels of spikes; 6,000 tie plates; 64,000 rail anchors; bridge and shoulder restoration; along with fuel, parts, supplies and <b>labor</b> to accomplish the work.</p> <p>A letternote on the appropriation is also requested: “This amount reflects funds anticipated to be received from the Government Services Fund pursuant to the federal American Recovery and Reinvestment Act of 2009”</p>

<b>5. CONTINUATION HISTORY</b>	If this is a continuation project (a project with a former appropriation), complete the following table including all appropriations and expenditures. Include the bill numbers for each appropriation. If not a continuation project, mark here: <input type="checkbox"/> N/A				
	FY 2006-07 Appropriated	FY 2007-08 Appropriated	FY 2008-09 Appropriated	FY 2008-09 Spent to Date	FY 2009-10 Appropriated
Total Funds	\$1,000,000	\$1,913,000	\$1,600,000	\$1,525,000	\$1,000,000
General Fund		\$1,350,000	\$600,000	\$600,000	\$0
Cash Funds – <b>NEW MEXICO</b>	\$1,000,000	\$563,000	\$1,000,000	\$925,000	\$1,000,000
Cash Funds Exempt / Reappropriated Funds	\$0	\$0	\$0	\$0	\$0
Federal Funds	\$0	\$0	\$0	\$0	\$0
Bill Number(s)		HB07-181	HB08-1303		N/A

<b>6. OBJECTIVES</b>	Enter summary below, this column
a. List key objectives of the entire project – big picture  This row not applicable as this is a single year project: <input type="checkbox"/> N/A	Key objectives are to upgrade the track to meet FRA standards and good operating practices, by replacing worn out ties and installing rock ballast and rail anchors to provide proper drainage and subsurface for the track. Improved track conditions will decrease wear and maintenance costs of Locomotives and Passenger Cars. Also, improving the track will result in a smoother and faster train ride, leading to greater passenger satisfaction and increasing ridership and revenue.
b. List key objectives of this year's request - detailed	Buy/Install 8,000 Crossties; & 64,000 Rail Anchors Buy/Install 24,000 Tons Rock Ballast Tamp & Align 32 miles of Track Perform Bridge Repairs, Shoulder Restoration & Vegetation Control Keep 18 workers employed

<b>7. ESTIMATED ENTIRE PROJECT TIMETABLE:</b>			
Delineate how many years this project crosses from start to finish, describing what portion of the project each year will accomplish.			
Steps to be Completed	Start Date(s)	Completion Date(s)	Year
Buy/Install 60,000 Ties	7/1/06	6/30/14	8
Buy/Install 130,000 Tons Rock Ballast	7/1/06	6/30/14	8
Buy/Install 204,800 Rail Anchors	7/1/10	6/30/14	4
Bridge Repairs/Shoulder Restoration	5/1/09	6/30/14	5

<b>8. FY 2010-11 SPECIFIC TIMETABLE:</b>		
Delineate the steps that will be taken in FY 2010-11 to complete this project or this phase of the project.		
Steps to be Completed	Start Date(s)	Completion Date(s)
Buy/Install 8,000 Ties	7/1/10	6/30/11
Buy/Install 24,000 Tons Rock Ballast	7/1/10	6/30/11
Buy/Install 64,000 Rail Anchors	7/1/10	6/30/11
Bridge Repairs/Shoulder Restoration	7/1/10	6/30/11

<b>9. IMPACT</b>	<b>Enter summary below, this column</b>
a. Describe actual impact to program if this year’s project is not funded	18 Trained and skilled Track Workers and Equipment Operators will become unemployed, creating negative impact on local and State economy. Forward progress on track improvement will cease and track condition will begin to deteriorate, raising potential for derailments, accidents and delays.
b. Describe how this project will affect State operating expenditures, including dollars and FTE for each project component.	Continuing the Track Upgrade Project will keep the operating expenditures at their current levels, so it will have no effect on State operating expenditures.
c. Describe consistency with Agency or Institutional Master Plan and 5-Year Capital Improvement Plan Schedule, explain variances	The Track Upgrade Project is still the number one priority in the C&TSRR Master Plan. Since the project has not been fully funded at the rate established in the Master Plan, the project is taking more time to accomplish, likely to stretch from a five year to an eight year project.

<b>10. JUSTIFICATION</b>	<b>Enter summary below, this column</b>
Fully justify and defend this request. This will be the most lengthy section of the request. Include all necessary detail and specific scope of work. Describe how much space is needed, what types of rooms or equipment are included in the request and why, and illustrate where on campus the project will be executed. Explain what is wrong with the current situation and why a new or different building or capital expenditure is needed. Focus more on why the current facilities are insufficient, less on why the current programs are driving change.	<p>The track conditions of the Cumbres &amp; Toltec Scenic Railroad have deteriorated over the last 35 years, because of their location in the San Juan Mountains and erosion over many years. This coupled with inadequate funding, to perform a continuous Track Maintenance Program, resulted in a poor track condition. There were a large number of railroad ties in need of replacement; drainage work was/is needed to remove mudslides; and rock ballast needs to be installed under the ties to lift them up out of the mud and dirt. This has resulted in a potential life/safety situation, due to poor track conditions with an increased risk of derailments and accidents, which could cause injury to passengers and crew. This work will lengthen the life of the ties and provide a more stable track infrastructure, decreasing the risk of derailments and injuries.</p> <p>The C&amp;TSRR is comprised of 64 miles of mainline track and 5 miles of yard tracks and sidings. The project is to completely go through all 69 miles of track; replace the worn out ties; provide good drainage to keep water and mud away from the track; buy and install rock ballast under the entire track; tamp the ballast into place and align the track with the consistent distance between rails; and perform repairs to bridges, trestles and tunnels.</p>

	DESCRIPTION	QUANTITY	UNIT COST	TOTAL
	Crossties	8,000	\$17.00	\$136,000
	Ballast	28,000 tons	\$24.00	\$672,000
	Rail Anchors	64,000	\$4.50	\$153,600
	Sikes & Other Track Materials & Track tools			\$112,400
	Bridge & Shoulder Work			\$157,000
	Fuel, Supplies & Parts			\$178,000
	Labor & Contract Services			\$591,000
	<b>TOTAL COST</b>			<b>\$2,000,000</b>

Request is for one-half of funding from State of CO & one-half from State of New Mexico, since two states own C&TSRR in a 50-50 partnership.

<b>11. CALCULATIONS</b>	<b>Describe how the numbers on the CC-C Excel form were calculated; describe in this column, FY 2010-11 only. Out years will be requested separately</b>
Assumptions and calculations for land purchase	NO LAND PURCHASE
Assumptions and calculations for professional services	On-site railroad engineer/supervisor and tamper operator during the track construction season of 6.5 months.
Assumptions and calculations for construction	Quantities and costs developed by Railroad Engineer, John Matthews, based on experience over the last three years. – See attached budget
Provide list of equipment and furnishings to total on CC-C Excel form	NONE
Art in public places: describe what portions of project apply and calculation used. The calculation should apply only to appropriated State funds (typically CCF)	N/A
Discuss all inflation assumptions, as delineated on the CC-C form, by year and by component (professional services, construction or improvement, and equipment and furnishings)	All material prices are based on current materials purchase costs.
Discuss HPCP cost assumptions	N/A
Describe the assumptions for the Building Maintenance Fund	The revenue from the ticket sales of the C&TSRR train operations does not generate enough funds after the cost of train operations to provide for a Track Maintenance Fund.
Other	The Cumbres & Toltec Scenic Railroad is owned jointly by the States of Colorado and New Mexico in a 50-50 partnership.
Other	
Other	

<b>12. CASH FUND PROJECTION</b>					
Does request include cash funds?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No      (If no, proceed to question #13)				
If the project is being financed, describe the terms of the bond, including the length of the bond, the expected interest rate, when the agency plans to go to market, and the expected average annual payment.	<input type="checkbox"/> N/A				
<b>Cash Fund Sources Lists</b> (list all separately; projected balances must account for other obligations)	<b>Actual FY 2008-09 Cash Fund Balance</b>	<b>Current Fund Balance FY 2009-10</b>	<b>Projected FY 2009-10 Cash Fund Balance</b>	<b>Projected FY 2010-11 Cash Fund Balance</b>	<b>Projected FY 2011-12 Cash Fund Balance</b>
a. Fund Number: _____					
<b>Cash Funds</b>	\$	\$	\$	\$	\$
Described how revenue accrues to the fund					
Describe other obligations and encumbrances to the fund					
b. Fund Number: _____					
<b>Cash Funds</b>	\$	\$	\$	\$	\$
Described how revenue accrues to the fund					
Describe other obligations and encumbrances to the fund					

<b>13. RELATED PROJECTS</b>		<b>Delineate capital construction and controlled maintenance projects for this campus in the past five years. If building is a stand alone property include prior projects for this building only.</b>		
<b>Year</b>	<b>Project #</b>	<b>Item</b>	<b>CCF Cost</b>	<b>Pending Underway, or Requested</b>
2006	P-0633	Track Upgrade	\$1,350,000	Completed
2008	P-0633	Track Upgrade	\$600,000	Completed

<b>14. PROGRAM PLAN</b>	
Describe any changes to this project on the Program Plan, Master Plan, or Five Year Plan since its submission to the Capital Development Committee	<input type="checkbox"/> No changes <input checked="" type="checkbox"/> Changes are described below The only change is to the length of time the project is expected to take till completion, likely increasing from five to eight years.

**15. ADDITIONAL INFORMATION**

Provide any additional information to best justify the request.

The project fits within the 64 Miles of C&TSRR’s “MUSEUM ON WHEELS” Campus. The track has been located in its present location since 1880. The population of train riders is dependent on this track to carry them across the 64 mile campus between Antonito, Colorado and Chama, New Mexico.

The improved track conditions, resulting in a smoother and quicker ride, has increased ridership from 39,404 in 2006 to 45,575 in 2008. Increased patronage results in increased economic benefits to other businesses in the communities and increased tax revenue to the two States of Colorado and New Mexico.



**FY 2010- 2011**

<b>ITEM</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>TOTAL COST</b>	<b>NOTES</b>
Crossties	8,000	\$17.00	\$136,000	2011 FY (50 year tie life)
Switch ties		\$4.00		By the foot
Ballast (tons)	24,000	\$28.00	\$672,000	2011 FY (32 miles) Second
				raise 750 ton mile 1/2 of the
				railroad
Spikes (barrels)	288	\$90.00	\$25,920	2011 FY
Tie Plates	6,000	\$4.50	\$27,000	2011 FY (70# rail)
Misc OTM			\$30,000	2011 FY
Rail Anchors	64,000	\$2.40	\$153,600	2011 FY (20 miles)
Misc Tools			\$20,000	Hydraulic power tools
Equipment Rental			\$9,480	Front end loader, etc.
Vegetation Control			\$18,000	Spring 2011
Bridge Repairs			\$80,000	Spring 2011 (Inspection ?)
Shoulder Restoration			\$59,000	Rentals, materials
Labor			\$474,000	2011 FY (16 men & work trains)
Fuel, Supplies & Parts			\$178,000	Based on 2008 experience
Contract Services	6.5	\$10,000.00	\$65,000	Engineering & supervision
Contract Services	6.5	\$8,000.00	\$52,000	Tamper operator
<b>TOTAL</b>			<b>\$2,000,000</b>	

Track Before





Track After

