



Transit Elevator/Escalator Consortium - UPDATE

**From the Joint EI/Es Steering Committee
To the Transit EI/Es CEOs**

June 15, 2009



History

- 2006 onwards: Labor-Management Committee developed training guidelines
- Late 2008: Training Guidelines completed for full training program – technicians curriculum
- October 2008: Consortium commissioned the Center to explore feasibility of courseware development
- January 2009: Report completed

History

- Early January 2009: EI/Es Joint Steering Committee sent finalized analysis & unanimous proposal to EI/Es CEOs
- January 24, 2009: EI/Es Agency CEOs approved project on “80/20” option, with APTA offering to serve as a conduit for Agency contributions
- June 15, 2009: Status Review of Consortium Member Commitments at Rail Conference

Motivation

- Safety & liability concerns: ADA compliance, risk mgmt
- Tort Liability Defense
- Advancing technology and aging workforce
- Limited availability of trained potential hires
- Increased skill level and job security goals for transit union members
- Career ladder opportunities
- Increased reliability, efficiency, flexibility and control from quality in-house EI/Es maintenance workforce

Scope

- Creation of National Apprenticeship Program
- Option 80%/20% and 100%/0% blend
- Style Guide/Templates
- Instructor-led training
 - 200 and 300 levels first, phased rollout as each module is completed
 - 100 and 400 levels to follow
- Framework for procurement specs for OEM training and materials for new technology

Transit Elevator/Escalator Consortium

Time & Cost

Cost, Internal Resources and Time Estimates

	Cost	Agency Labor Commitment (hours)	Delivery Time
Deliverables in priority order		Option 80/20 over 3 years	Option 80/20 over 3 years
Style Guide and Templates	\$50,000	25.00	3 months
Level 200 (200-207)	\$183,892	372.00	4 months
Level 200 (208-220)	\$1,021,787	2067.00	8 months
Level 300	\$474,560	960.00	7 months
Level 100	\$225,416	456.00	4 months
Level 400	\$320,328	648.00	7 months
Additional Costs			
Committee meetings (2-3 per year @ \$30k)	\$180,000	n/a	n/a
Travel (exclusive of meetings above)	\$222,598	n/a	n/a
Totals:	\$2,678,581	4528.00	33 months

Time & Cost Per Agency

Cost, Internal Resources and Time Estimates

	Cost	Agency Labor Commitment (hours)
	Option 80/20 over 3 years	Option 80/20 over 3 years
Total cost per agency with 6 agencies participating	446,430	755
Total cost per agency per year with 6 agencies	149,000 per year for 3 years	252 per year for 3 years
Time to completion	33 months	

Notes on Time & Cost Table

- Implementation will involve both center and agency staff. The range of possible costs shows the range of possible commitments of agency staff time.
- Locations with more starting courseware will play a bigger role in the development work

Budget Commitment

- Budget assumes equal contributions from properties
 - More agencies = lower costs per location
- Training modules for elevator/escalator technicians will overlap with training needed for other facilities crafts (e.g. millwright, HVAC)
- Other maintenance fields (Traction Power, Rail Car, etc.) could also develop courseware on a shared basis.
 - Many more locations sharing costs = far lower costs per location
- Schedule of payments will track courseware delivery schedules
- Labor resources: all options involve instructional designers in consultation with subject matter experts and trainers at the locations

Advantages

- Public Safety, ADA compliance, reliability
- Reduce litigation exposure and potential risk
- Labor-management partnership through whole process ensures a far more effective result
- Results in nationally recognized apprenticeship/certification program
- Addresses incumbent training needs; significant increase in number of hours of training that can be delivered. Up to ~1350 hours from 100-300

Advantages

(continued)

- Receiving courseware on a rolling basis in real time (far faster, significantly less expensive and better than could be done in house) facilitates start of phased training program
- Quality control for delivering OJT
- Economies of scale through consortium and across trades
- Level 100 courses can be used by other trades throughout transit industry and developed with 30+ properties (rather than 6)

The Steering Committee Agrees

- Commitment is needed in principle to complete development (100 through 400 levels)
- 200 and 300 level courses should be delivered first in a cascading rollout

The Steering Committee Agrees

- Costs should be shared evenly across agencies with nominal union contributions
- Consortium will seek public funding to reduce location contributions
- Consortium will seek additional agencies and unions to reduce cost of the 100 level development