



*prepared for:*

***The United States Department of Transportation  
Federal Transit Administration***



**Cost Estimating & Scheduling Services**

**Project Management Oversight Contract  
(FTA-08-PMOC)**

  
***Estimating  
Cost Control  
Claims Management  
Construction Management***

**March 11<sup>th</sup>, 2008**

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March 10<sup>th</sup>, 2008

via e-mail: [john.bardwell@dot.gov](mailto:john.bardwell@dot.gov); [james.harper@dot.gov](mailto:james.harper@dot.gov)

John Bardwell, Contracting Officer  
CC: James Harper, Contracting Officer  
Federal Transit Administration  
1200 New Jersey Ave, SE  
Room E42-331  
Washington, DC 20590

**Subject: Project Management Oversight Contract 2009  
Solicitation # FTA-08-PMOC  
Construction Cost Estimating & Scheduling Services**

Dear Mr. Bardwell and Mr. Harper:

We are pleased to have the opportunity to offer construction cost estimating & scheduling services and to be placed among those on your service providers' list for the forthcoming FTA PMOC for 2009.

*LENAX* – a Los Angeles-based, certified woman-owned company (DBE/SLB/WBE/CBE) – specializes in providing cost estimating and scheduling on rail transit projects.

Since our corporate inception in 1993, we have estimated literally hundreds of projects with great success working with public agencies and owners, architects, and construction managers alike.

*LENAX* is well-qualified for all rail transit assignments and has extensive estimating and scheduling experience supporting all types of rail and rail systems/systems integration projects – including high-speed rail, light rail, heavy rail, and commuter rail.

Under the supervision of Certified Professional Estimators (CPEs), *LENAX* commits the professional resources to ensure successful cost estimating & scheduling for all phases of design and construction.

We look forward to lending our support in meeting the Federal Transit Administration's objectives.

Very truly yours,  
**LENAX CONSTRUCTION SERVICES, INC.**

A handwritten signature in cursive script that reads "Yelena Zeetser".

Yelena Zeetser  
President



THE UNITED STATES DEPARTMENT OF TRANSPORTATION  
FEDERAL TRANSIT ADMINISTRATION  
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**LENAX PROJECT REFERENCES**

- Silicon Valley Rapid Transit Project Preliminary Engineering Cost Estimate, Yard & Shops, San Jose, CA (In-progress)
- Bay Area Rapid Transit (BART) Seismic Retrofit Design of All Stations on the A, C, & R Lines, Cost Analysis & Project Controls, San Francisco, CA (In-progress, projected \$100M+)
- MTA Mid-City Exposition LRT Project Phase 1 & 2, providing Design & Construction Cost Estimates & Analysis for Light Rail Transit Line with Intermodal Transfer Facilities, Bus Terminals, Transit Stations, Maintenance Facilities, Bridges, & additional infrastructure tie-in facilities – Los Angeles, CA (\$640M – In-progress)



- Metro Gold Line Eastside Extension LRT Project, Los Angeles, CA (\$899 – In-progress)
- Pasadena Gold Line – Cost Estimating, Cost Analysis and Claims Support (\$650M)
- LACMTA San Fernando Valley Bus Rapid Transit Project MC067, Los Angeles, CA (\$165M)
- California High-Speed Train (Sacramento to Bakersfield, Regional Environmental/ Engineering Study) – Capital Cost Estimate (\$6.7B)
- Florida Department of Transportation, Florida Overland Xpress (FOX) High-Speed Rail, Florida – Estimating & Cost Analysis (\$4.5B)
- LACMTA, Los Angeles Metro Rail Project, Segment 3, Los Angeles, CA: Fair Cost Estimates for stations and tunnels (\$500M)



- North County Transportation District (NCTD), 'Sprinter' Oceanside-Escondido Rail Project, San Diego, CA – Estimating & Cost Analysis – 175,000TF Mainline, 15 stations, 8 Bridges, & Maintenance Facility (\$164M)



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***LENAX* – Project References (continued)**

- LACMTA, System Wide Project Management Oversight / Assistance PM021/PM023 – Cost Analysis, Scheduling, Claims, and Change Order Control (\$800M)
- MTDB Mission Valley East SDSU Tunnel & Underground Station, San Diego – Estimating / Cost Analysis (\$31M)
- Metropolitan Transit Development Board (MTDB) Mission Valley East & West, San Diego – Estimating / Cost Analysis (\$118M)
- Amtrak, Kirkham Street Maintenance Facility, Program Cost Estimate, Oakland, CA (\$40M)
- Amtrak, 8th Street Yard, Program Cost Estimate, Downtown Los Angeles, CA (\$15M)
- Alameda Corridor Transportation Authority Project, Los Angeles, California – Independent Engineering Review, Estimating, Cost Analysis and Scheduling (\$2.4B)
- Caltrans On-Call Claims – Scheduling & Claims Analysis, California Statewide (\$70M)
- Los Angeles Metro Red Line MOS-1, A165 – Claims Management and Analysis (\$1.4B)
- Hudson-Bergen LRT System, New Jersey – Cost Estimating (\$900M)
- Tren Urbano LRT, Puerto Rico – Cost Estimating & Scheduling (\$1.1B)
- LAWA LAX Advance Planning - Prepared Advanced Cost Estimates & Schedules for Tom Bradley International Terminal, Bus & Transit Interfaces into overall infrastructure, various Parking Structures, multiple Runways and Parkways, and a vast number of other projects - Los Angeles, CA (\$8+B)
- Caltrans/CHP L.A. Regional Transportation Management Center, Cost Estimate for a 4-story 90,400 Gross SF structural steel-braced frame building serving as an essential services and data center. The building is outfitted with base isolators and horizontal dampening systems in the event of an earthquake, and contains a rooftop Heliostop for helicopter take-off & landing – City of Los Angeles, CA (\$27.5M)



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**LENAX CLIENT REFERENCES**

***MTA Mid-City Exposition Line LRT***

Steve Polechronis, VP  
DMJM+Harris  
515 S Flower, 9th Fl  
Los Angeles, CA 90071  
213/922-9572

***Caltrans/CHPS L.A. Transportation Management Center  
as well as other transportation projects***

Margueritte Jorgensen, President  
The Nettleship Group  
560 E Channel Rd  
Santa Monica, CA 90402  
310/573-3705

***MTA Gold Line Eastside Extension LRT & Orange  
County Transportation Authority Projects***

Art Hadnett  
West Coast Unit Manager  
Carter & Burgess  
600 Wilshire Blvd, Suite 1000  
Los Angeles, CA 90017  
213/239-1300

***Multiple Public Works Projects including Port of Long  
Beach Projects & Caltrans Statewide On-Call Claims***

Steve Davis, VP  
PinnacleOne  
515 S. Flower St., Suite 3510  
Los Angeles, CA 90071  
213/486-9884

***Multiple Public Works Projects***

Gerd Ernst  
Sr Vice President  
DMJMH+N  
515 S Flower St, Level C #22  
Los Angeles, CA 90071  
213/593-8481



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**LENAX SERVICES**

**LENAX** has accumulated sound cost estimating methodology relative to and associated with rail transit projects, providing a valuable edge in cost analysis, project schedules, and value engineering support. The professionals at **LENAX** possess in-depth knowledge about the construction process, methods, and alternatives related to rail projects of all types.

**Cost Estimating:** The Certified Professional Estimators (CPEs) at **LENAX** have assisted in numerous study estimates based on minimal design parameters and are specialized in transportation infrastructure, including Bus & Mass Transit, Subway, Light Rail, High Speed Rail, Heavy & Commercial Rail, as well as Airport & Highway construction costs, utilizing the latest software applications, such as Timberline, On-Center Takeoff, Cost Link CM, Primavera and Microsoft Office.

**Scheduling:** **LENAX** uses the latest technology including Microsoft Project, Primavera Project Manager P6 (P3), and SureTrak to develop a thorough, achievable and logically sound project schedule – a project schedule that exhibits a critical path and milestones that are clearly defined. The Project Controls team ensures that the schedules they produce will accurately reflect the project's path of optimum performance. **LENAX** will prepare initial planning schedules, prepare or review schedule submissions, track and report on progress, develop workarounds, and evaluate change order impacts should the need arise.



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In developing pricing, the professionals at *LENAX* continuously update cost information which is derived from in-house historical cost data, vendor quotations, and industry accepted database sources, such as R.S. Means, Saylor Publications, National Cost Guides, Sweets, ENR, Primedia EquipmentWatch, BNI, Timberline and CostLink (Army Corps of Engineers) with detailed labor, material, equipment rates and also a breakdown of sub-contract unit pricing. These sources are used with the estimator's judgment for this specific type of project and geographical location and adjusted if necessary.

In summary, *LENAX* provides the following in conjunction with the estimate:

1. A detailed quantity survey prepared by experienced estimators and overseen by a Certified Professional Estimator (CPE).
2. Estimators will review specifications and develop vendor quotations list as well as a general requirements checklist.
3. The estimate will be priced using the most recent cost information.
4. Contractor's mark-ups, contingency, escalation and market conditions factors will be developed using latest information per geographical location of the project.
5. The estimate will be formatted following SCC Format (or any other format, if requested) showing cost per line item and in proper order, thus providing a meaningful tool for Owner/Management to make cost control decisions.
6. A site visit will be conducted to identify potential cost-impacting problems in regard to access, unusual working conditions, etc.
7. A bid comparison will be developed as a follow-up in order to finely tune costs on future projects similar in nature.

*LENAX* has established a sound reputation throughout the transportation industry for construction cost estimates and schedules based on delivering supportable, quality product in a timely and professional manner, using a systematic approach to develop estimates and schedules, while providing cost analysis from the conceptual stage – with very little information – to fully designed facilities.