

March 7, 2013

HNTB-B&C JV
1111 Broadway Suite 900
Oakland, CA 94607

Attn: Chuck Morganson, Project Manager

Reference: Project No. M544.1, Contract No. 155-3, Final Design
Task No. 15.20, Post Design Completion Changes

Subject: Limited Authorization of Task 15.20
Noise and Vibration Study at Pagoda Theater

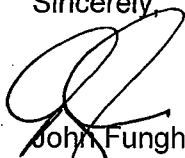
This is to authorize HNTB-B&C for the limited authorization of Task 15.20 for post design services for Contract 1300 in the amount not to exceed 60 hours and \$9,600. These services include conducting analysis and providing a noise and vibration impact study of the Pagoda Theater demolition and as described in your proposal.

The effort shall be as directed by the Design Oversight Manager.

Please track this work separately and use a separate index code that will be provided to you for your progress payment reimbursement.

If you have any questions or require further clarification, please contact Program Manager Project Development Ross Edwards at 415-701-5296.

Sincerely,



John Funghi
Program Director

JF:sp

cc: Albert Hoe, SFMTA
Ross Edwards, CSP
Sanford Pong, SFMTA
Eric Stassevitch, CSP
CS File No. M544.1.6.4001

enclosure



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Revised Proposal to SFMTA -- Central Subway -- Focused Noise and Vibration Technical Report in Support of Addendum to EIR/EIS -- TBM Removal Shaft

SEIR/SEIS Addendum has been prepared by SFMTA Planning Department stating noise and vibration impacts of the Pagoda Theater demolition and the new TBM retrieval location will be in accordance NEPA guidelines. The demolition of the Pagoda Theater was environmentally cleared previously for a condominium project to be built on that site. The focus of the proposed investigation is the closer proximity of the new removal shaft to sensitive receptors compared to the previous site, which was located in the middle of the street.

Consultant will conduct an analysis and prepare a technical report evaluating potential noise and vibration impacts and adequacy of current project mitigations and as necessary recommend new mitigation measures to comply with the NEPA and FTA guidelines for the TBM removal shaft construction and TBM removal.

Scope for WIA review and report on TBM removal site noise and vibration impacts:

- Review existing projects documents
- Review relevant City requirements
- Perform analysis to evaluate potential noise and vibration impacts associated with construction of removal shaft for TBM on the site of Pagoda Theater and removal of the TBM
- Preparation of draft technical report documenting review, analysis and findings of noise and vibration impacts and any recommended mitigation measures
- Respond to comments on draft technical report
- Revise report as appropriate and submit final report

Deliverables:

- Technical report documenting review, analysis and findings of noise and vibration impacts and recommended mitigation measures (Draft and Final)

Estimated schedule to complete work:

- Environmental analysis and draft technical report – 1 week from NTP
- Report review period to complete final report – 1 week after submittal of draft report depending on turnaround of comments (by HNTB and SFMTA)

Estimated fees (CPPF basis) for performing work: **\$9,600**