

Red Line - Harvard Square Extension

General Description of Technical Study Scope

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The project being studied consists of extending the Red Line Subway through the Harvard Square area to Massachusetts Avenue at Chauncy Street. The three main areas to be examined include: alternative alignments, structural analyses, and alternative station locations.

Listed below are the major services to be provided by the Engineer in connection with the Technical Study:

- . Review earlier reports on proposed transit extensions through the Harvard Square area, and collect available information on soils, utilities, buildings, and vehicular and pedestrian traffic in the project area.
- . Prepare a preliminary soils analysis and make a preliminary survey of existing structures to determine conditions relative to possible effects of tunneling construction.
- . Determine alternative vertical and horizontal transit alignments consistent with previously established criteria.
- . Study alternative methods of construction to minimize impact on affected street areas; and develop tunnel sections compatible with proposed construction methods, with line profile mapping, typical cross-sections, typical tunnel structures, and typical station layout as required.
- . Study possible ways to re-route surface transit and vehicular traffic during construction; and prepare plans showing proposed methods of connecting new extensions into existing facilities with a minimal disruptive effect on existing transit operations.
- . Prepare preliminary cost estimates for the alternatives evaluated including land and utility relocation costs, and cash flow and construction schedules.
- . Assemble and evaluate environmental data and prepare environmental analysis and 4(f) impact report.
- . Develop and conduct program of community participation in collaboration with local officials and coordinate work with utility companies and public agencies as required.
- . Identify and analyze the technical and financial feasibility of joint development opportunities afforded by the proposed extension.

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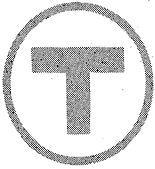
24 July 1974

Not acted upon

Refer to next

Council meeting

after July 26-74



**MASSACHUSETTS
BAY
TRANSPORTATION
AUTHORITY**

Office of General Manager
500 Arborway, Boston, Mass. 02130

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JUL 24 3 52 PM '74

CAMBRIDGE, MASS.

July 19, 1974

City Councillors
Council Chambers
City Hall
Cambridge, Massachusetts 02139

Gentlemen:

I am pleased to inform you that the Massachusetts Bay Transportation Authority recently executed a Federal contract for a Technical Study of the extension of the Red Line in the Harvard Square area of Cambridge.

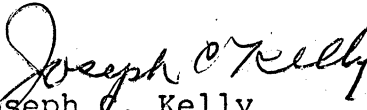
Because of your vast knowledge and relationship with communities within the vicinity of the proposed alignment of this system, I believe it would be to our mutual advantage to schedule a meeting, at your convenience, for the purpose of securing your participation and cooperation in this program. Kindly feel free to call on me directly if you wish to discuss this matter further.

Apropos to this, you will soon be contacted by either Mr. Robert Davidson, Director of Planning and Construction, or Mr. George Wey, Project Manager, of the Massachusetts Bay Transportation Authority. These gentlemen are directing an Urban Mass Transit Administration sponsored study for the Red Line Extension through the Harvard Square area. This study will examine three main areas: alternative alignments, structural analyses, and alternative station sites. As part of this study, an analysis of the various environmental and socio-economic impacts of each alternative will be included.

The Authority, with Federal approval, has engaged the firm of Sverdrup & Parcel and Associates, Inc. to perform technical consultant services in connection with this study. I am attaching for your information a general description of the technical study scope of work to be performed by the engineer.

I sincerely hope that you will be able to actively participate; and, I am looking forward to meeting with you in the near future.

Very truly yours,


Joseph C. Kelly
General Manager

Att.

15. 158

Comm. from the MBTA re: to the extension
of the Red Line in the Harvard Square
area.

*Referred to Transportation
Committee*

*Copy sent to Transportation
Committee 9/11/74 dl
c/o C. Diehay,*