Presentation to the
TRANSIT ADVISORY COMMITTEE

55 Wheeler Street
Cambridge, Massachusetts

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Civil and Environmental Engineer: WSP-Parsons Brinkerhoff
Traffic Engineer: Vanasse Hangen Brustlin
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55 WHEELER STREET
PROJECT TEAM
EXISTING SITE PHOTOS

55 WHEELER STREET
Transit, Pedestrian and Bicycle Overview

- Project Site Access
- Existing Transit, Pedestrian and Bicycle Services/Facilities
- Transit Analysis
- Project Bicycle Long-Term and Short-Term Parking
- Pedestrian Access
- Planned Bicycle and Pedestrian Improvements
- Residential TDM Programs
Site Access

- Alewife T Red Line Station
- MBTA Bus Lines
- Alewife TMA Shuttle Bus Route
- Hubway Stations
- Zipcar Stations
- Cycle track on Concord Avenue
- Planned bike/ped bridge connection
- Proposed bike/ped bridge landing
- Proposed Connecting Road will provide access to/from Fawcett Street
- Proposed bike storage internal and external
Public Transit

- Red Line at Alewife Station
- MBTA Bus Routes at Alewife
- MBTA Bus Routes on Concord Ave
Alewife TMA Shuttle
Transit Analysis

• Red Line and MBTA Bus Line Operations
• 550 Residential Units Program
• Mode Shares developed with TP&T

→ Total Transit Trips from Project *(rounded numbers)*
  - = 150 AM Peak Hour Trips (30 in and 120 out)
  - = 180 PM Peak Hour Trips (120 in and 60 out)

• Trip Distribution 75% Red Line & 25% Bus Routes

→ Distributed Transit Trips from Project (peak direction)
  - = AM Peak Hour approx. 90 residents boarding Red Line into Boston & approx. 30 residents boarding buses
  - = PM Peak Hour approx. 90 residents alighting Red Line from Boston & approx. 30 residents alighting buses
Transit Analysis – Build Utilization Leaving Stop (Morning Peak Hour)

- Red Line: 46% (90 Pax)
- Bus #62: 60% (5 Pax)
- Bus #74*: 78% (4 Pax)
- Bus #76: 53% (3 Pax)
- Bus #78*: 37% (5 Pax)
- Bus #79: 8% (4 Pax)
- Bus #350: 55% (5 Pax)
- Other Buses: +4 Pax

Project Impact
Existing

Crush Capacity
Planning Capacity
Transit Analysis – Build Utilization Entering Stop (Evening Peak Hour)

- Red Line: 43% with +90 Pax
- Bus #62: 28% with +5 Pax
- Bus #74*: 28% with +4 Pax
- Bus #76: 48% with +3 Pax
- Bus #78*: 65% with +5 Pax
- Bus #79: 49% with +4 Pax
- Bus #350: 49% with +4 Pax
- Other Buses: 49%
PEDESTRIAN AND BICYCLE OVERVIEW
Future/Planned Bike & Ped Facilities (by others)

- Ped/Bike Connection Adjacent to Rail
- Ped/Bike Bridge to Triangle
- Existing walk to Alewife ~10-15 mins
TDM Programs and Support Improvements

- TMA Membership
- Transportation Coordinator
- New Resident Package
- Real Time Transit Screen
- Transit Subsidy
- Provide Air Pumps and Bike Tools
- Wheeler - Fawcett Street Connector Road
- Contribution of land for pedestrian/bike bridge landing
- Mode Share Monitoring