

Table of Contents
Boston South Station HSIPR Expansion Project
Attachment 1: Exhibits

Figure 1-1	Project Overview Map
Figure 1-2	Proposed Track Expansion
Figure 1-3	Conceptual Layout Reconfigured Interlockings (20 Tracks)
Figure 1-4	Proposed 20 Tracks Reconfigured
Figure 1-5	Overview of South Station Expansion Elements at the Terminal
Figure 1-5A	Pedestrian Circulation Before and After Expansion
Figure 1-6	Amtrak Northeast Corridor and 2030 Services to Boston South Station
Figure 1-7	Transit Connections at South Station
Figure 1-8	Redevelopment Area Conceptual Footprint
Figure 1-9	Dorchester Avenue Potential Future Layout Typical Section
Table 1-1	Current and Future Operating Characteristics, Amtrak Northeastern Regional, and Lakeshore Limited
Table 1-2	Current and Anticipated Revenue Train Movements at South Station

\\Mabos\projects\10111.32\cad\plan\set\South_Station\1011132_Aerial_Overview.dwg Printing Date: 7/29/2010 5:53 PM

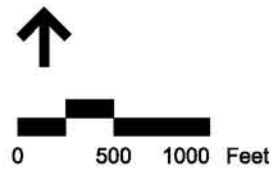
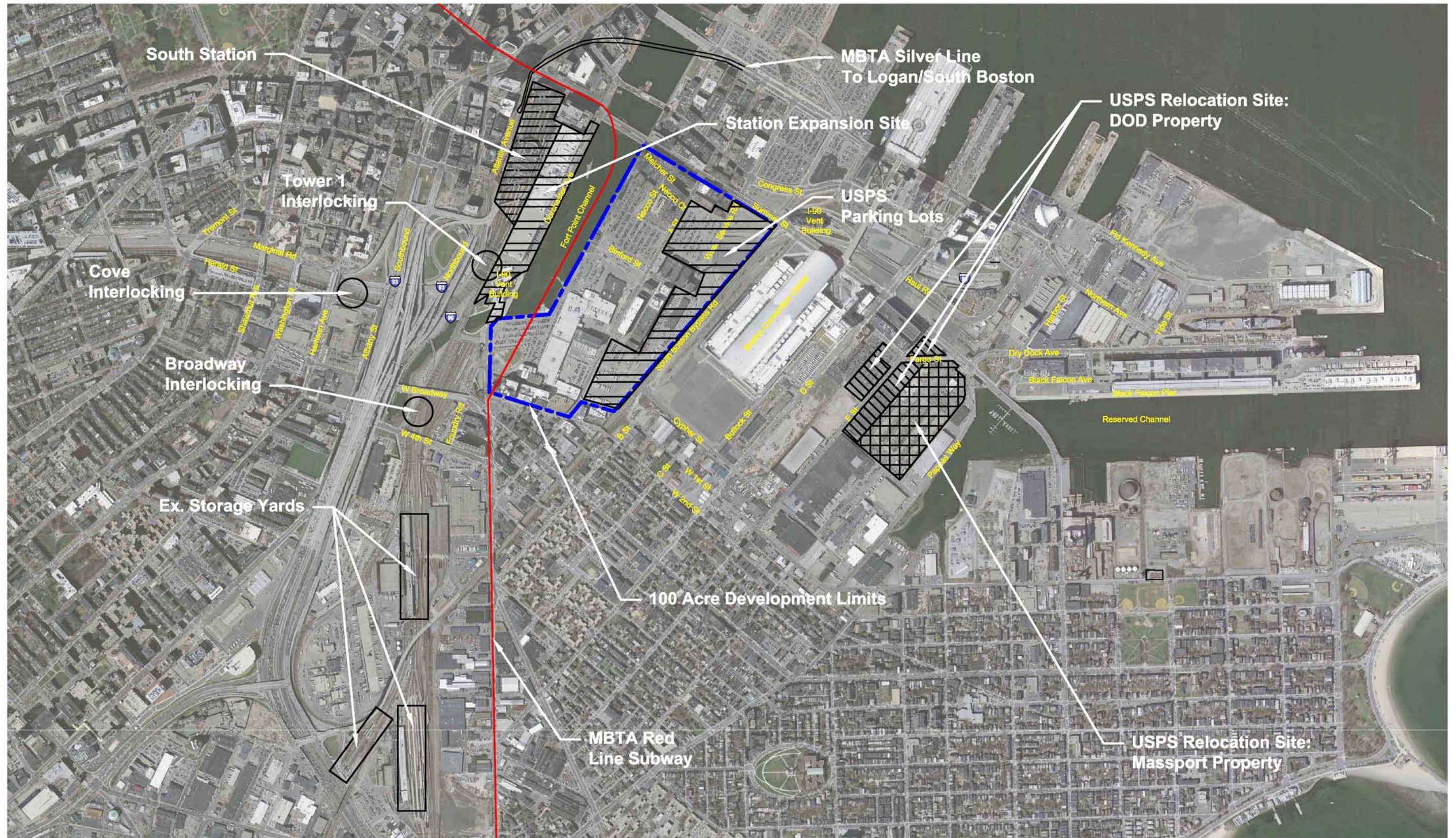


Figure 1-1
Boston South Station
HSIPR Expansion Project
Project Overview Map
Existing Properties and Yards
Image Source: MassGIS
Prepared by: VHB, May 2010

\\Mabos\projects\10111.32\cad\plan\set\South_Station\1011132_SouthStn_TrackExpansion_Concept_Platforms.dwg Printing Date: 7/29/2010 5:49 PM

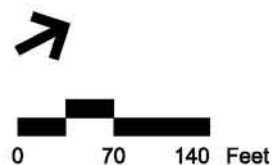
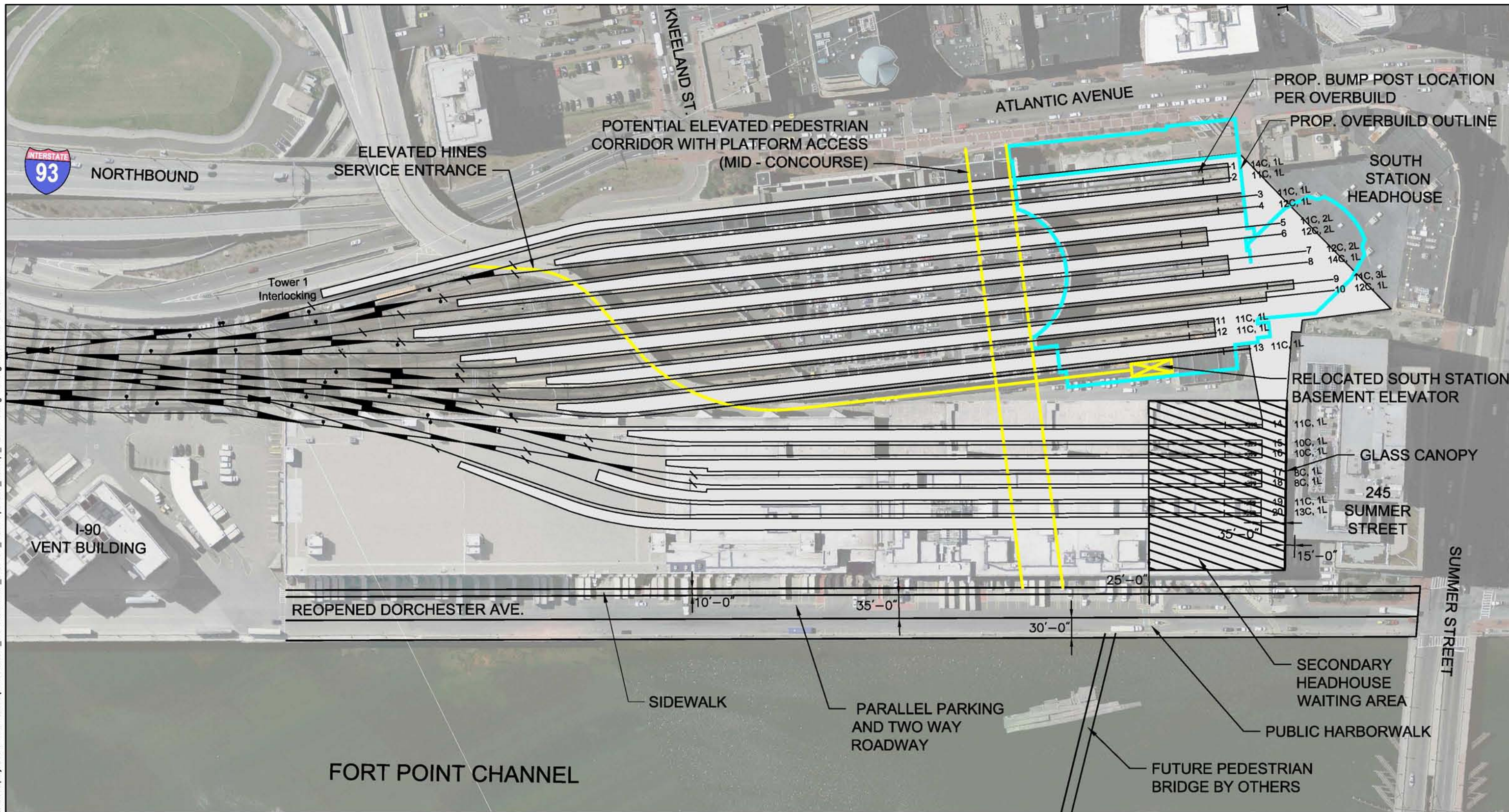
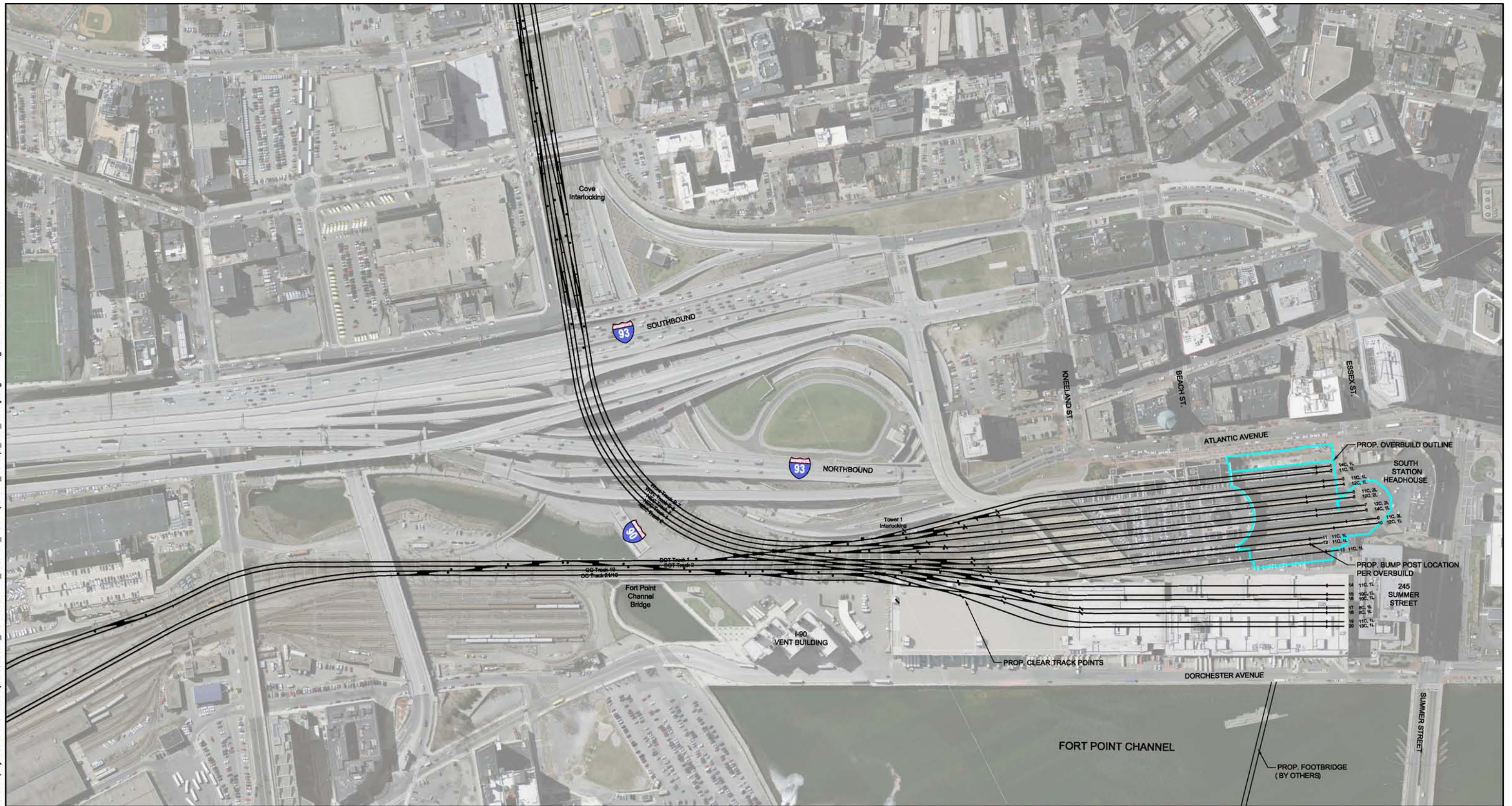


Figure 1-2
Boston South Station
HSIPR Expansion Project
Conceptual Layout
Platforms and Headhouse
Image Source: MassGIS
Prepared by: VHB

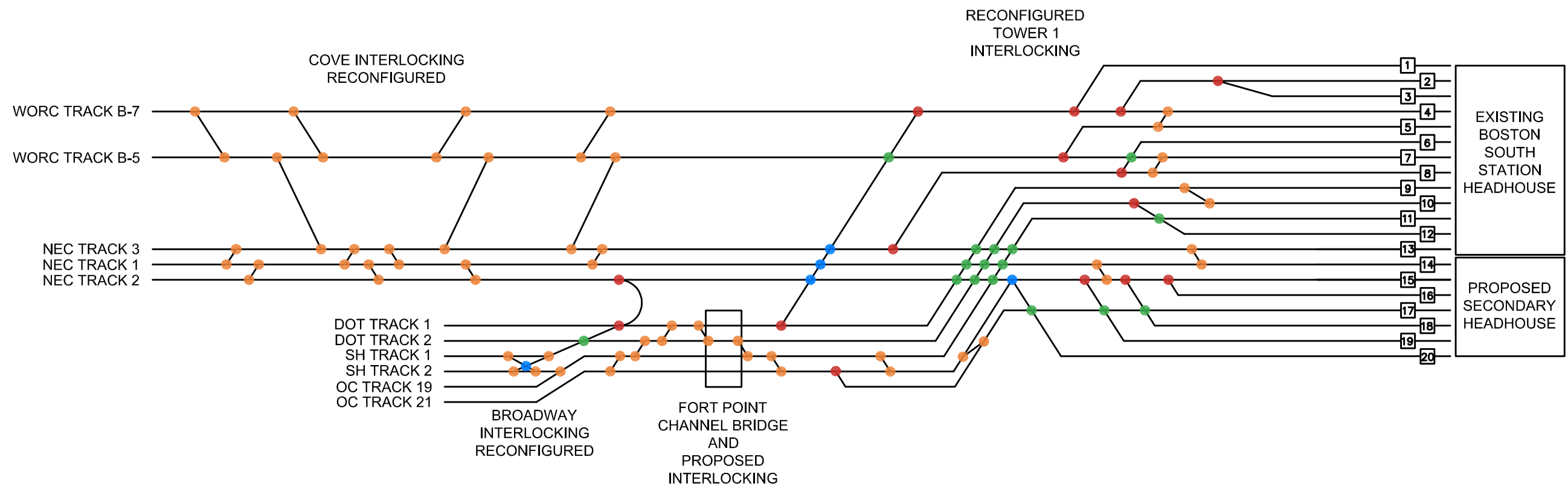
\\Mabos\projects\10111132\cad\plan\set\South_Station\10111132_SouthStn_TrackExpansion_Concept_Gen_Vicinity.dwg Printing Date: 7/29/2010 5:54 PM



0 150 300 Feet



Figure 1-3
Boston South Station
HSIPR Expansion Project
Conceptual Layout
Reconfigured Interlockings (20 Tracks)
Image Source: MassGIS
Prepared by: VHB, May 2010



Legend

- Turnout
- Double Slip Switch
- Diamond
- Crossover



Figure 1-4
Boston South Station
HSIPR Expansion Project
20 Total South Station Platform Tracks
Proposed 20 Tracks Reconfigured
 Prepared by: VHB

➔
 Not to Scale

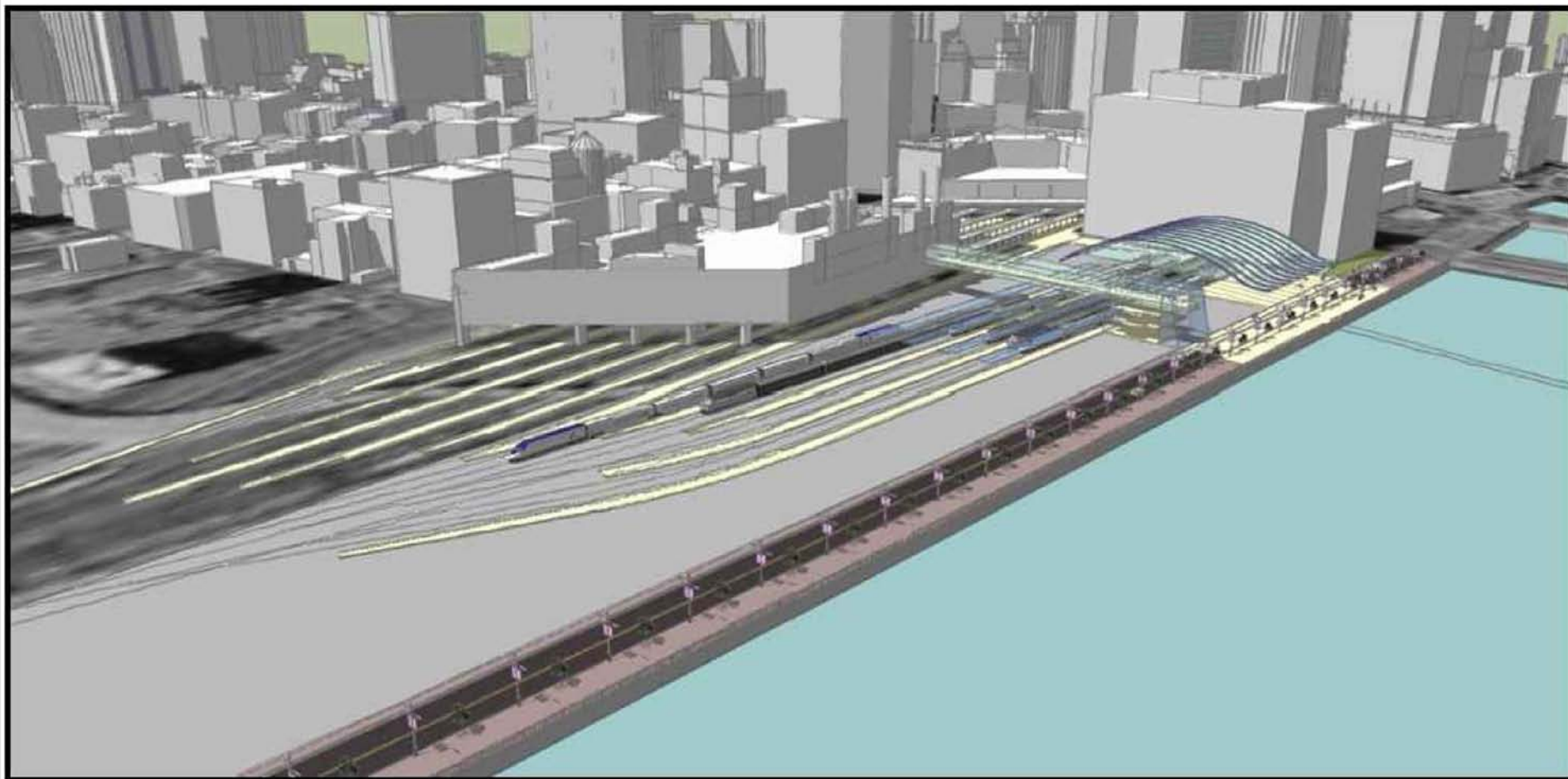
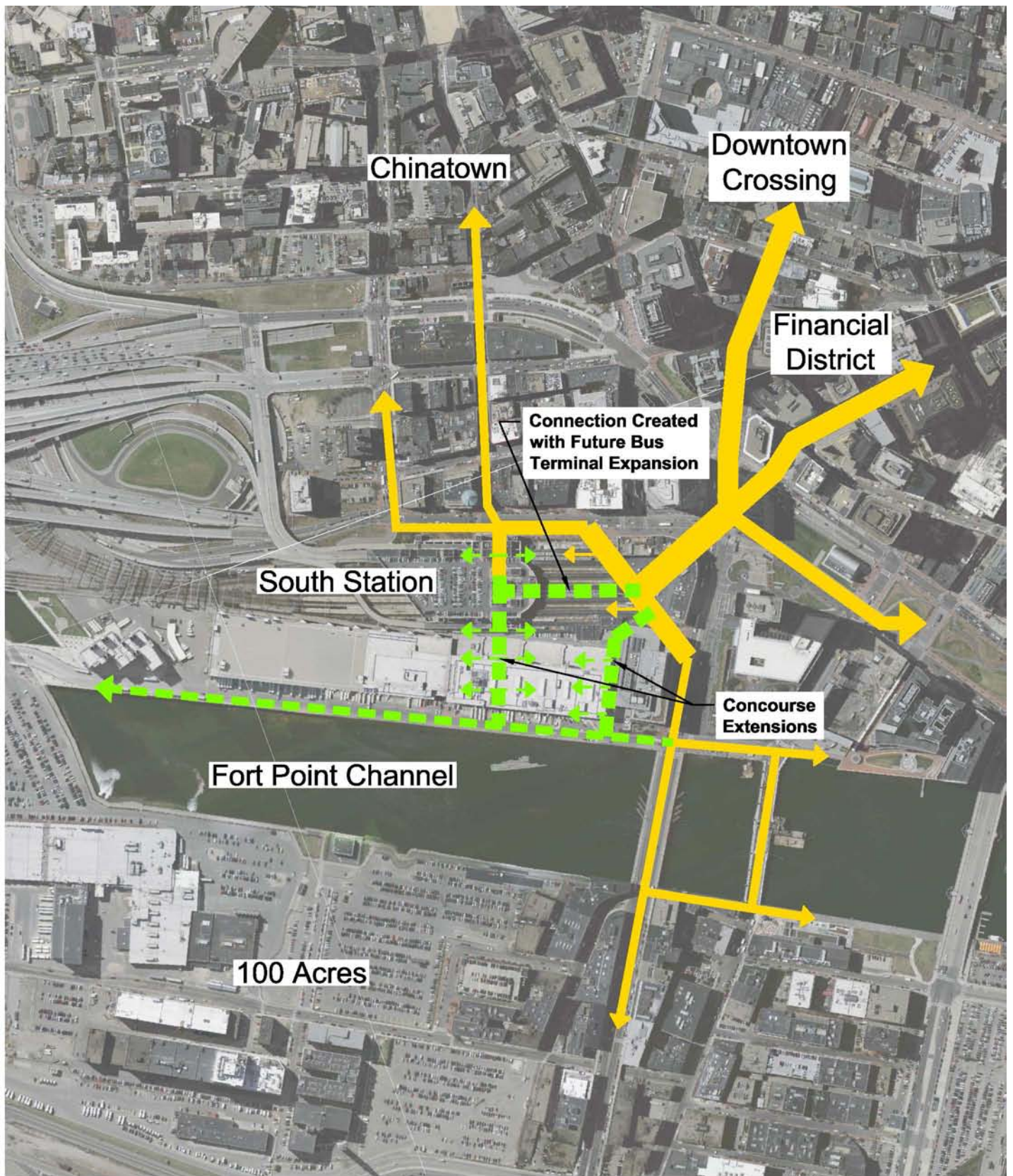


Figure 1-5
Boston South Station
HSIPR Expansion Project
Overview of South Station Elements
At The Terminal

Prepared by: VHB



Legend
Existing Circulation
New Connections with Project

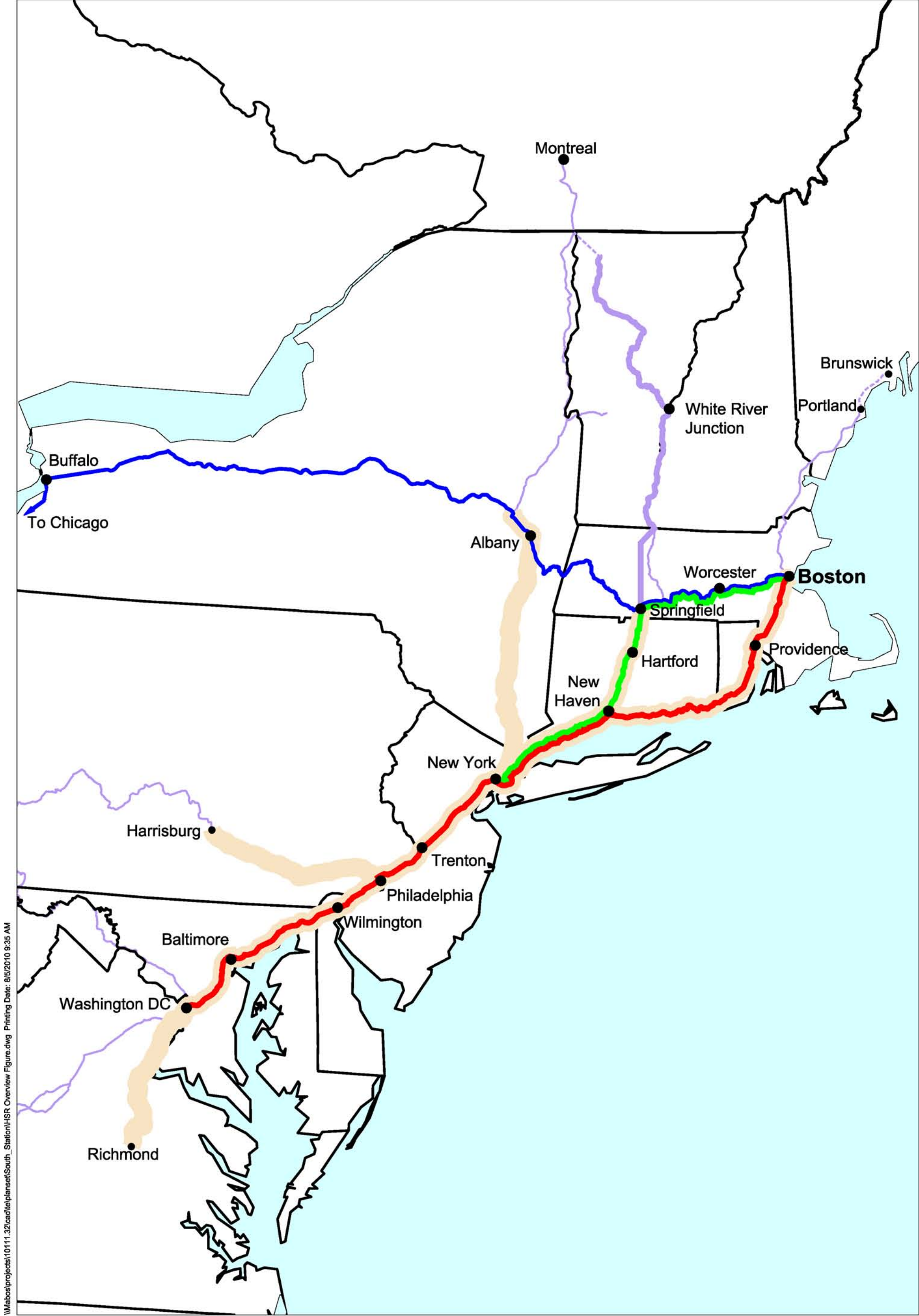


Figure 1-5A
Boston South Station
HSIPR Expansion Project
Pedestrian Circulation
Before and After Expansion

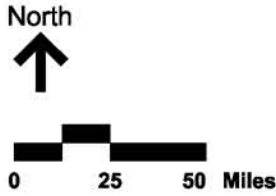
Prepared by: VHB



0 250 500 Feet



\\labos\projects\10111_32\cad\plans\set\South_Station\HSR Overview Figure.dwg Printing Date: 8/5/2010 9:35 AM



- Legend**
- Amtrak Northeast Corridor
 - Amtrak NEC Main Line
 - Amtrak Inland Route
 - Amtrak Lake Shore Limited
 - Amtrak Knowledge Corridor
 - Other Existing Amtrak Routes
 - Proposed Amtrak Extension



Figure 1-6
Boston South Station
HSIPR Expansion Project
Amtrak Northeast Corridor and
2030 Services to Boston South Station

Prepared by: VHB

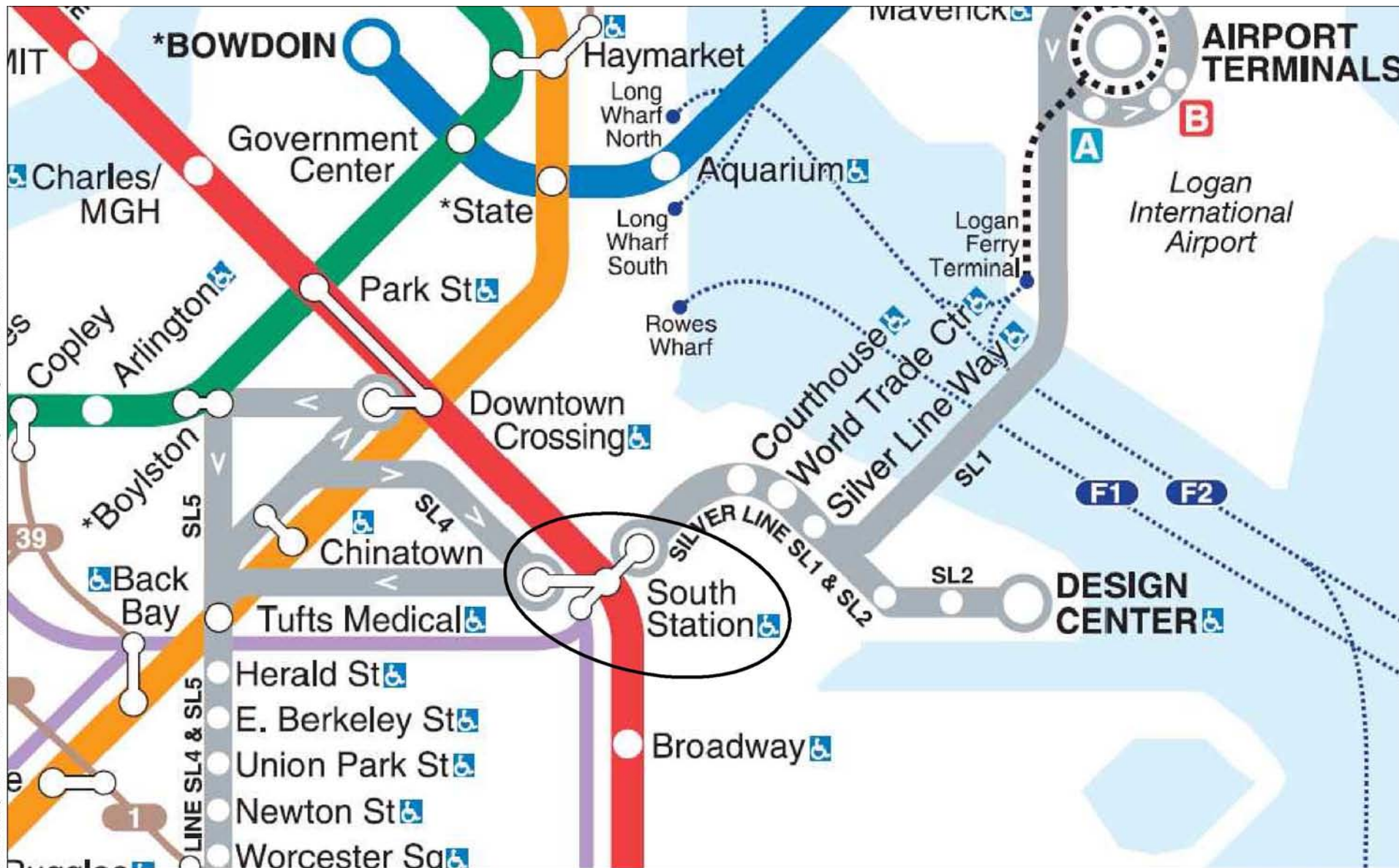


Figure 1-7
Boston South Station
HSIPR Expansion Project
Transit Connections at
South Station

Prepared by: VHB

\\Mabos\projects\10111.32\cad\plan\set\South_Station\1011100_SouthStn_RedevelopmentFootprint.dwg Printing Date: 8/2/2010 12:06 PM

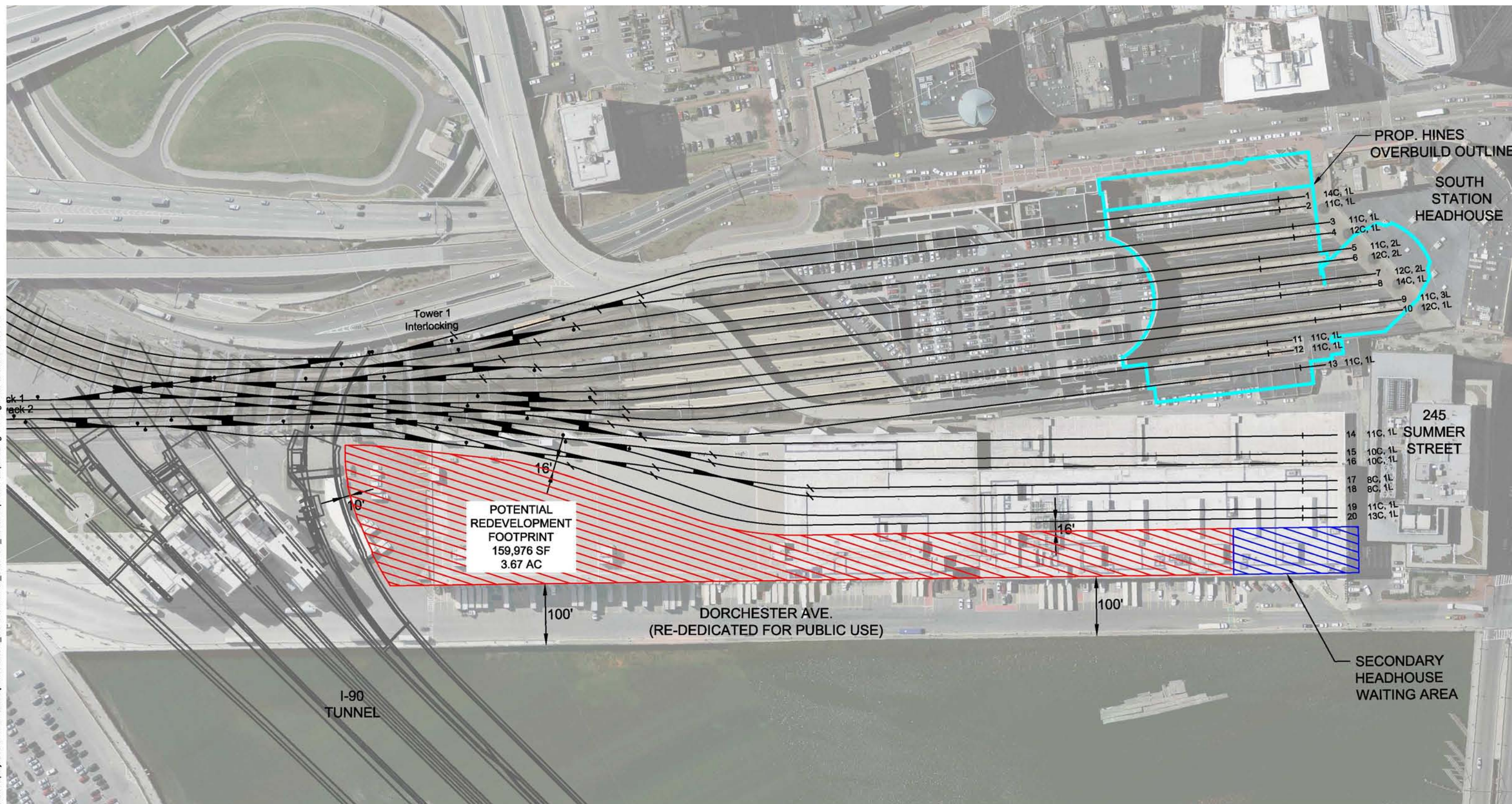


Figure 1-8
Boston South Station
HSIPR Expansion Project
Redevelopment Area
Conceptual Footprint

Prepared by: VHB

\\Mabos\projects\10111.32\cad\te\plan\set\South_Station\1011132_Dorchester_XS.dwg Printing Date: 8/2/2010 12:07 PM

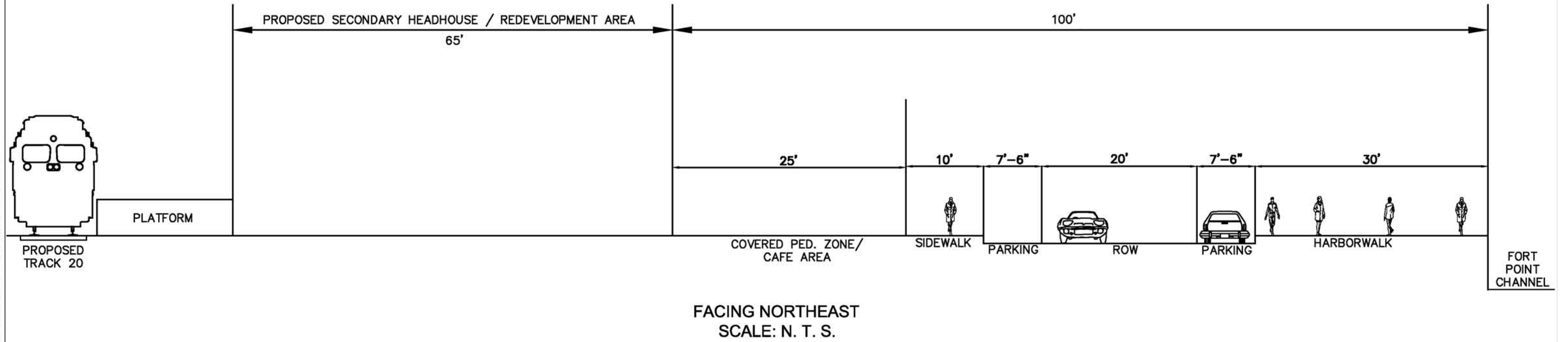


Figure 1-9
Boston South Station
HSIPR Expansion Project
Potential Future Layout
Typical Section

Prepared by: VHB

Boston South Station HSIPR Expansion Project

Attachment 1 Tables

Table 1-1: Current and anticipated Amtrak *Northeast Regional* and *Lake Shore Limited* Service Characteristics

Anticipated Service Outcomes		Frequencies	Scheduled Trip Time (in minutes)	Average Speed (mph)	Top Speed (mph)	Reliability (On-Time Performance %)
Amtrak <i>Northeast Regional</i>	Current	19	280*	50	125	76%
	Future (2030)	19	246*	55	125	90%
Amtrak <i>Lake Shore Limited</i>	Current	2	345**	35	60**	80%
	Future (2030)	2	N/A	N/A	110***	N/A

**Northeast Regional* between Boston and New York

***Lake Shore Limited* between Boston and Albany

***Future top speed between Albany and Buffalo after HSIPR 2009 investment

Table 1-2: Current and Anticipated Revenue Train Movements

Current and Anticipated Revenue Train Movements at South Station		Revenue Movements
Amtrak	Current	40
	Future (2030)	60
MBTA	Current	282
	Future (2030)	296