



MULTIMODAL STATION DESIGN GOALS

Rate your top two priorities:

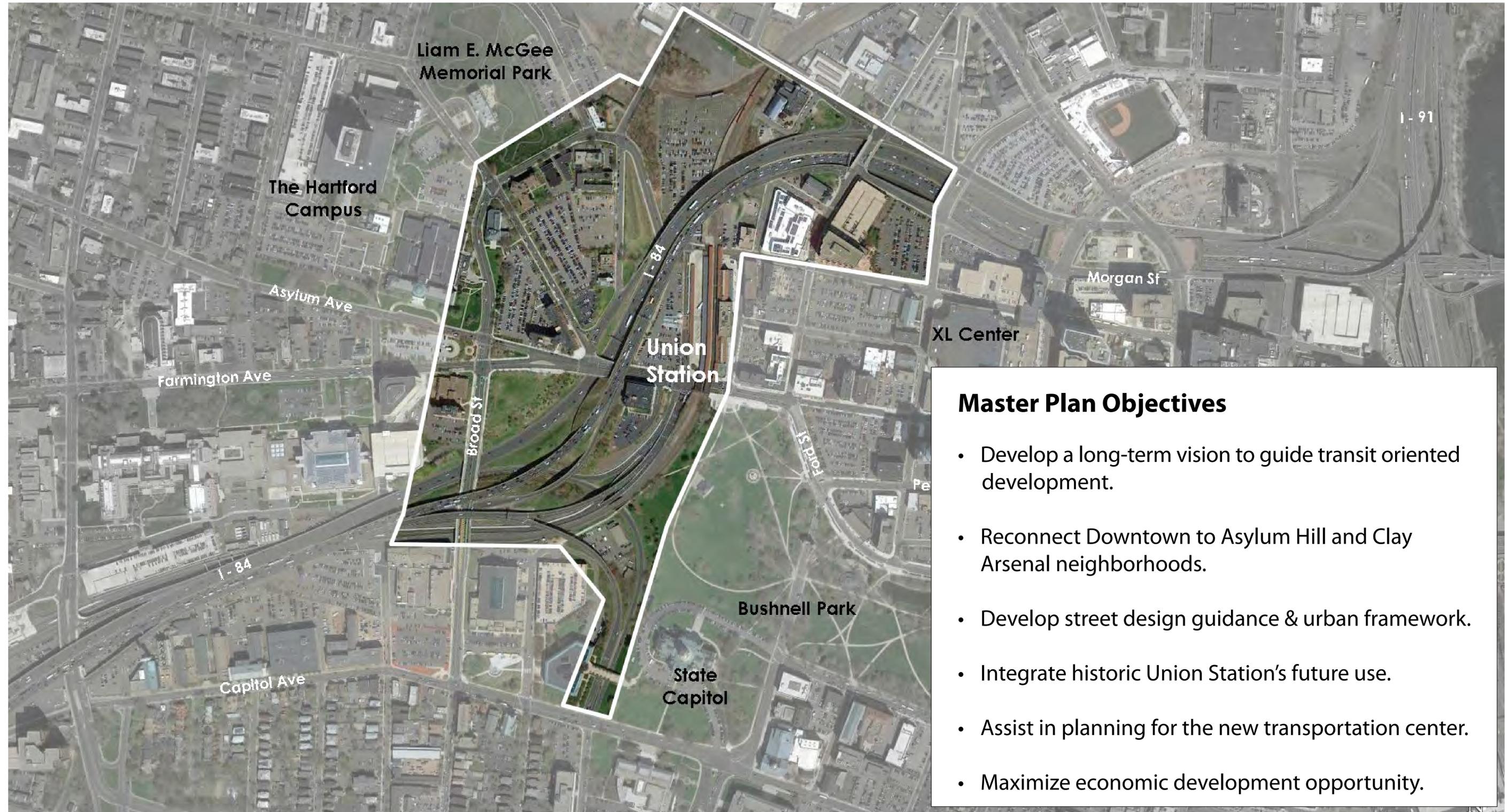
Customer Service/ Ease of Use	Operational Efficiency	Cost Effective/ Value	Ease of Maintenance	Sustainability/ "Green" Design	Design Supports Economic Development	Integration with Surrounding Buildings/ Contextual	Safety / Security	Civic Presence/ Identity/ Visibility/ "Landmark"	Other Goals? (if so, list here)



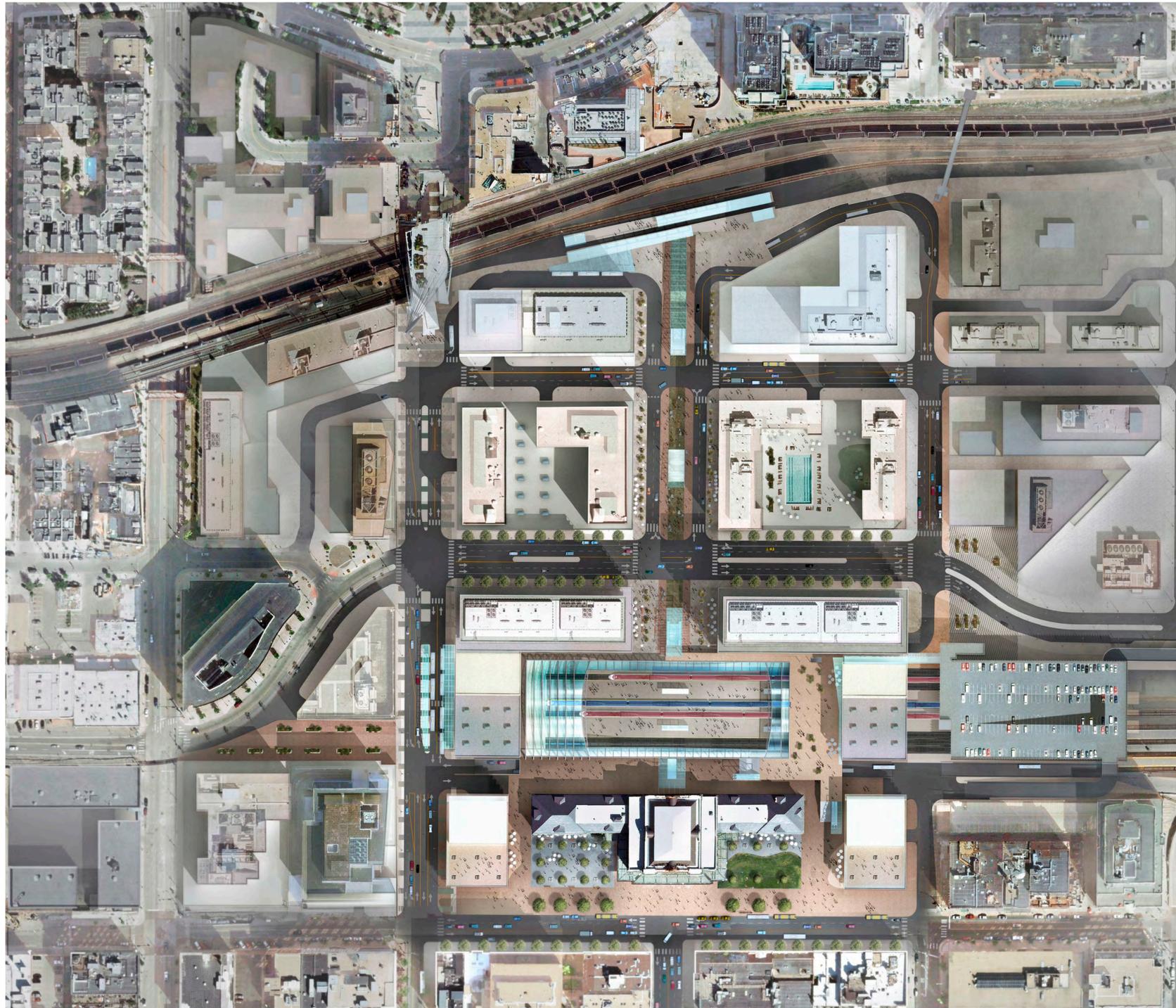
- Kicked off in January 2017
- 12 month effort
 - » Define program
 - » Develop site layout alternatives
 - » Identify preferred site layout
 - » Prepare conceptual design plans (15%)



Capital Gateway Study Limits



Successful Master Plan Precedent UNION STATION, Denver, CO



Key Project Elements

- Creating a seamless connection between the region's light rail, commuter rail, regional bus, commercial bus, taxis, shuttles, and rental cars at one location within a mixed-use development of more than 1.3 million square feet.
- Providing public plaza space, improved bicycle and pedestrian access to adjacent neighborhoods and links between the central business district and burgeoning neighborhoods to the west.
- Provision for affordable/market-rate housing downtown with transit access and enhanced integrated public space.

CAPITAL GATEWAY MASTER PLAN: A New Transit-Oriented Neighborhood
Hartford | Connecticut



In collaboration with

Successful Master Plan Precedent UNION STATION, Washington, DC



Key Project Elements

- Proposed new development is integrated into the historic station building.
- Create connections between Amtrak, commuter rail, transit and other transportation services.
- Unlocks up to 6 million square feet of space for transportation-related activities below the station and 3 million sq. ft. of air rights development.
- The design integrates new passenger concourses with significant retail and passenger amenities and a series of new street entrances with the existing station.

CAPITAL GATEWAY MASTER PLAN: A New Transit-Oriented Neighborhood

Hartford | Connecticut



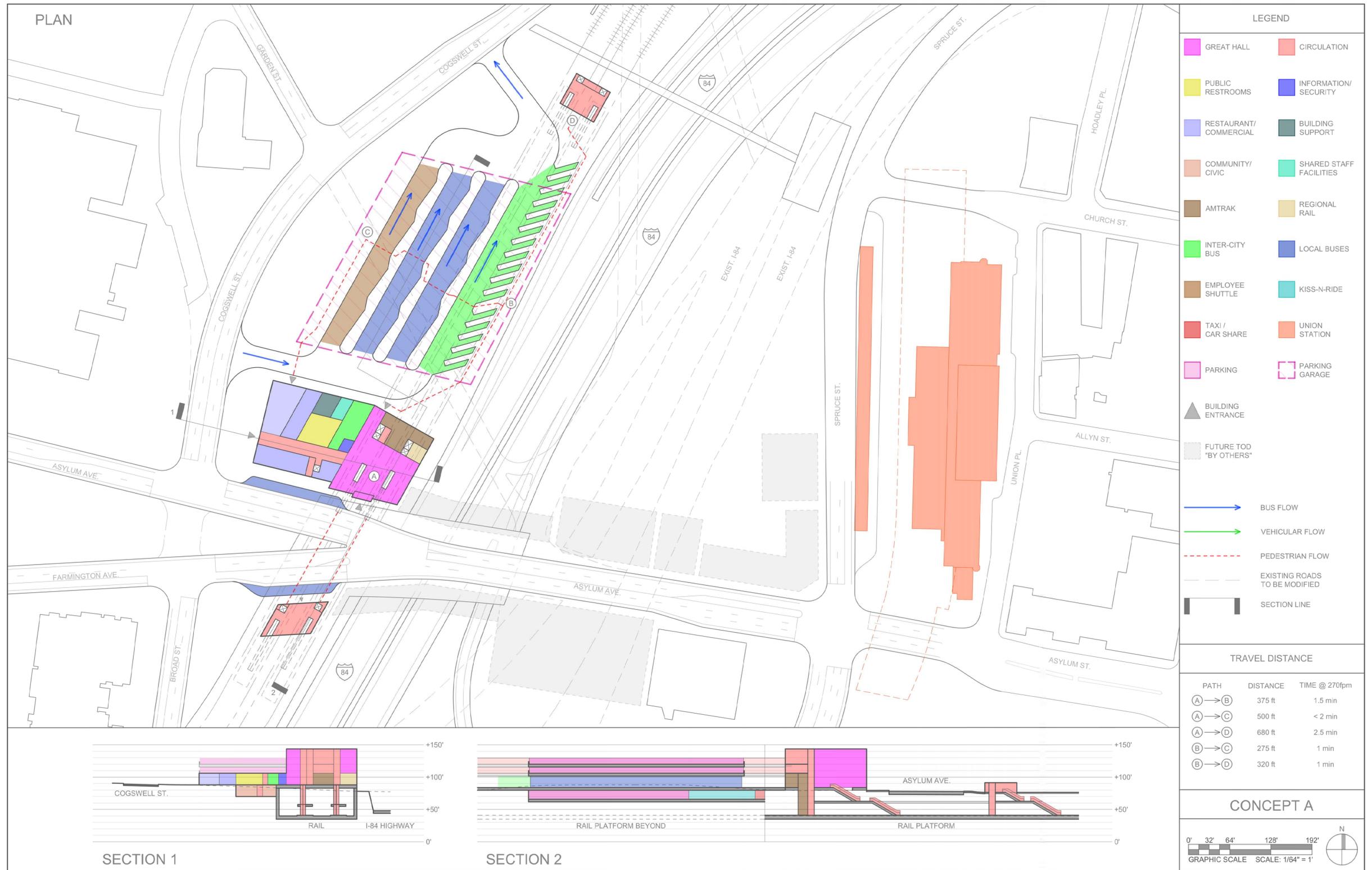
City of Hartford



In collaboration with

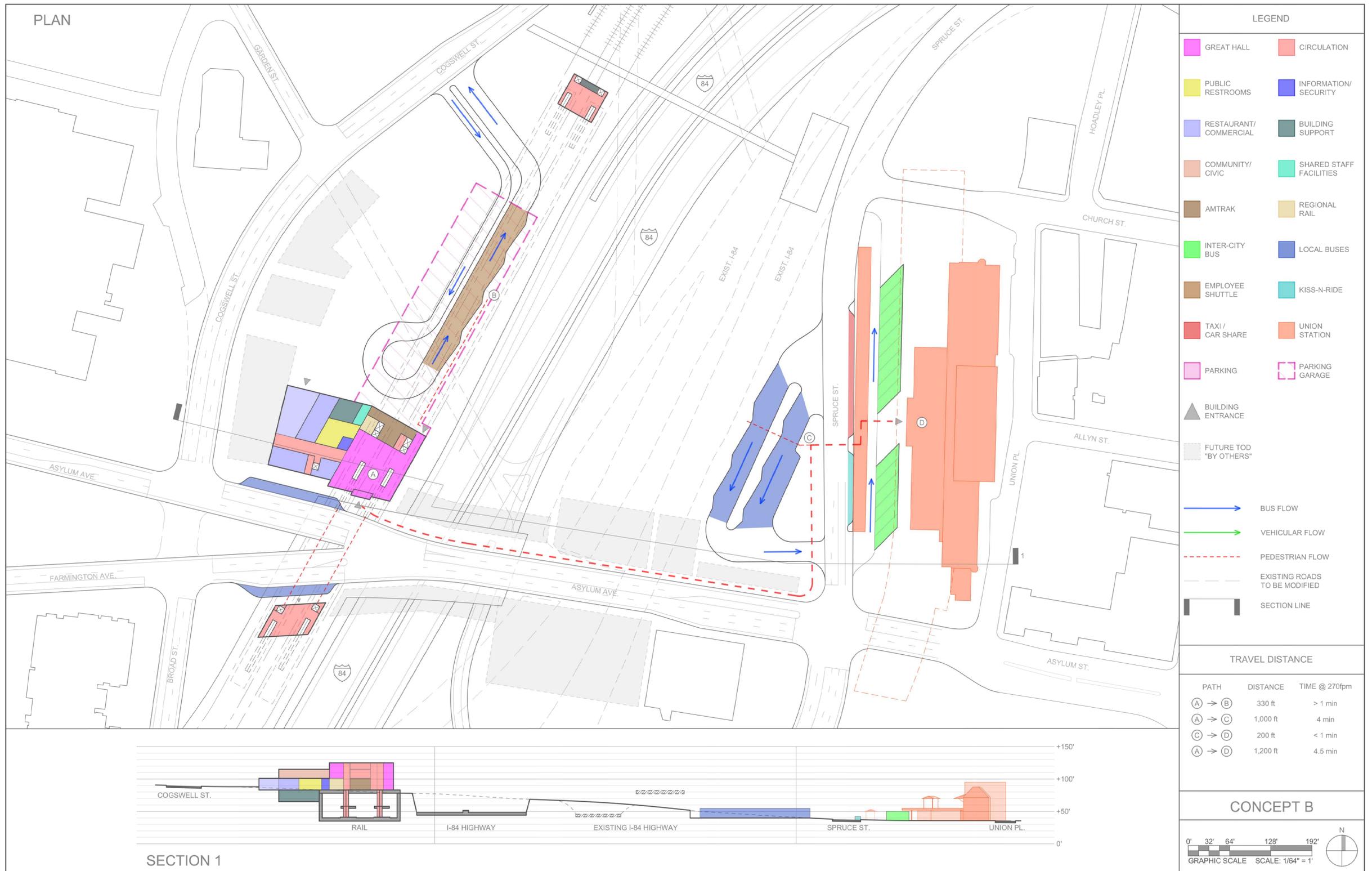


I-84 HARTFORD PROJECT MULTIMODAL STATION PLANNING - Concept A



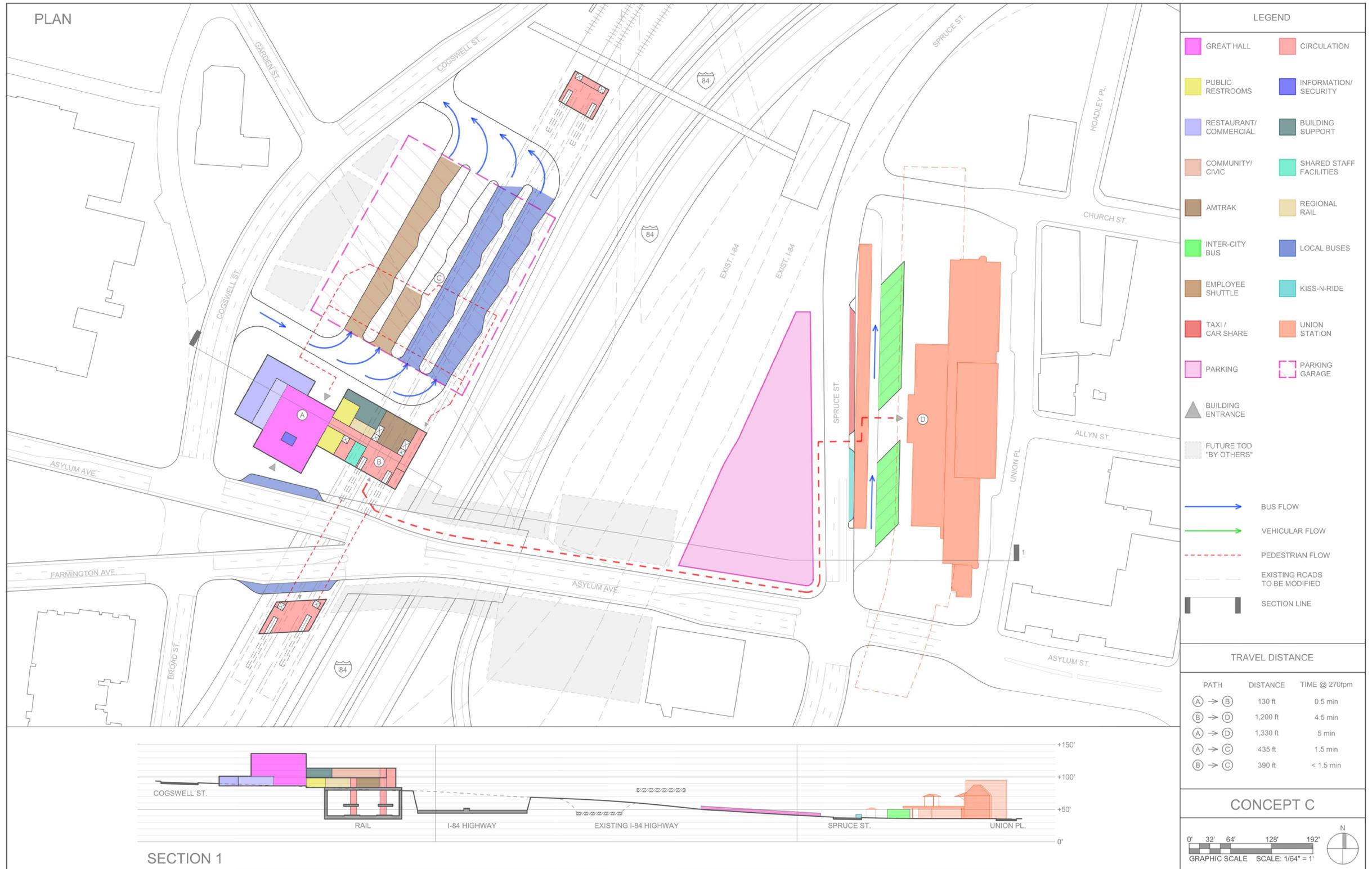


I-84 HARTFORD PROJECT MULTIMODAL STATION PLANNING - Concept B



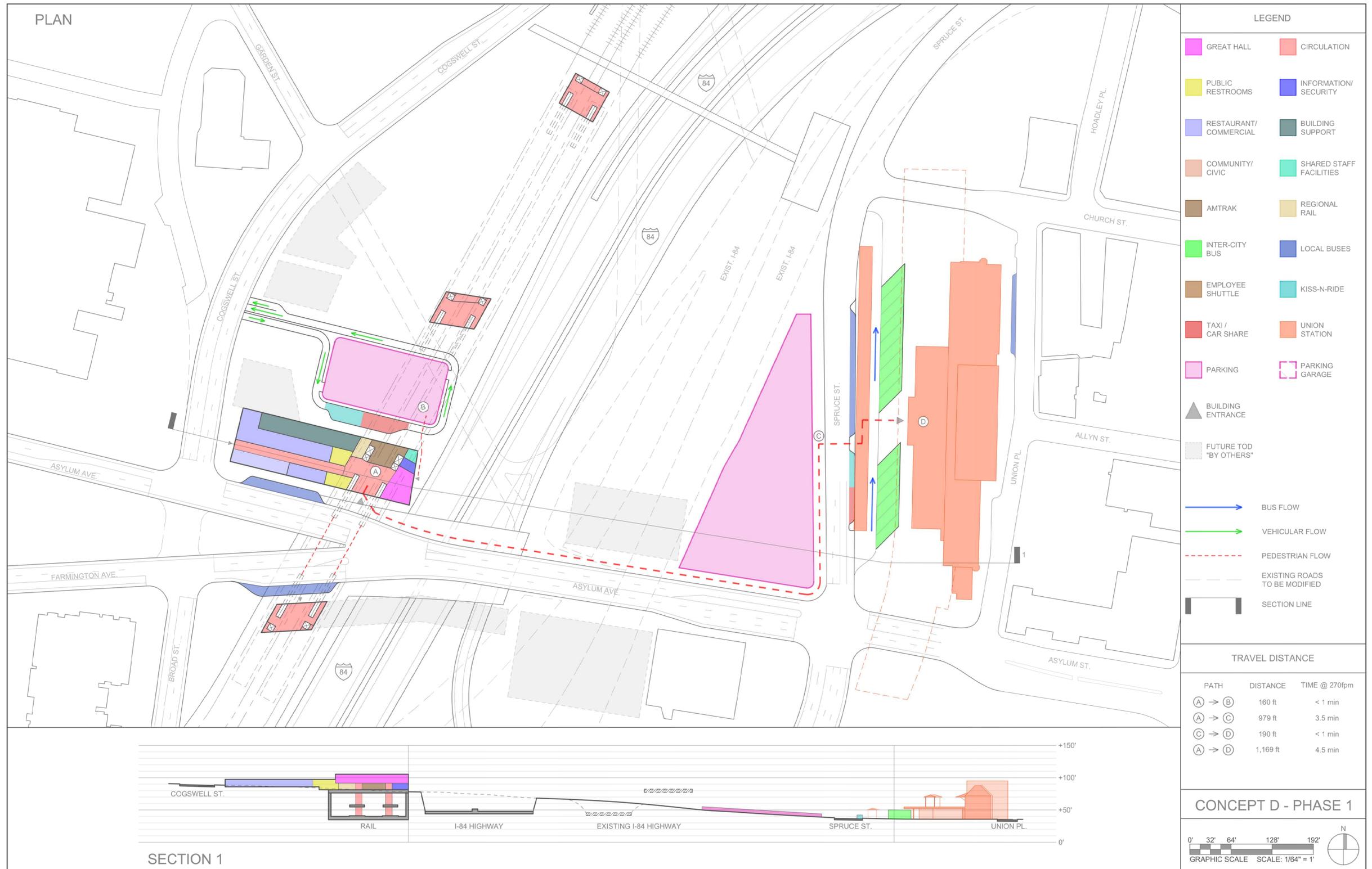


I-84 HARTFORD PROJECT MULTIMODAL STATION PLANNING - Concept C



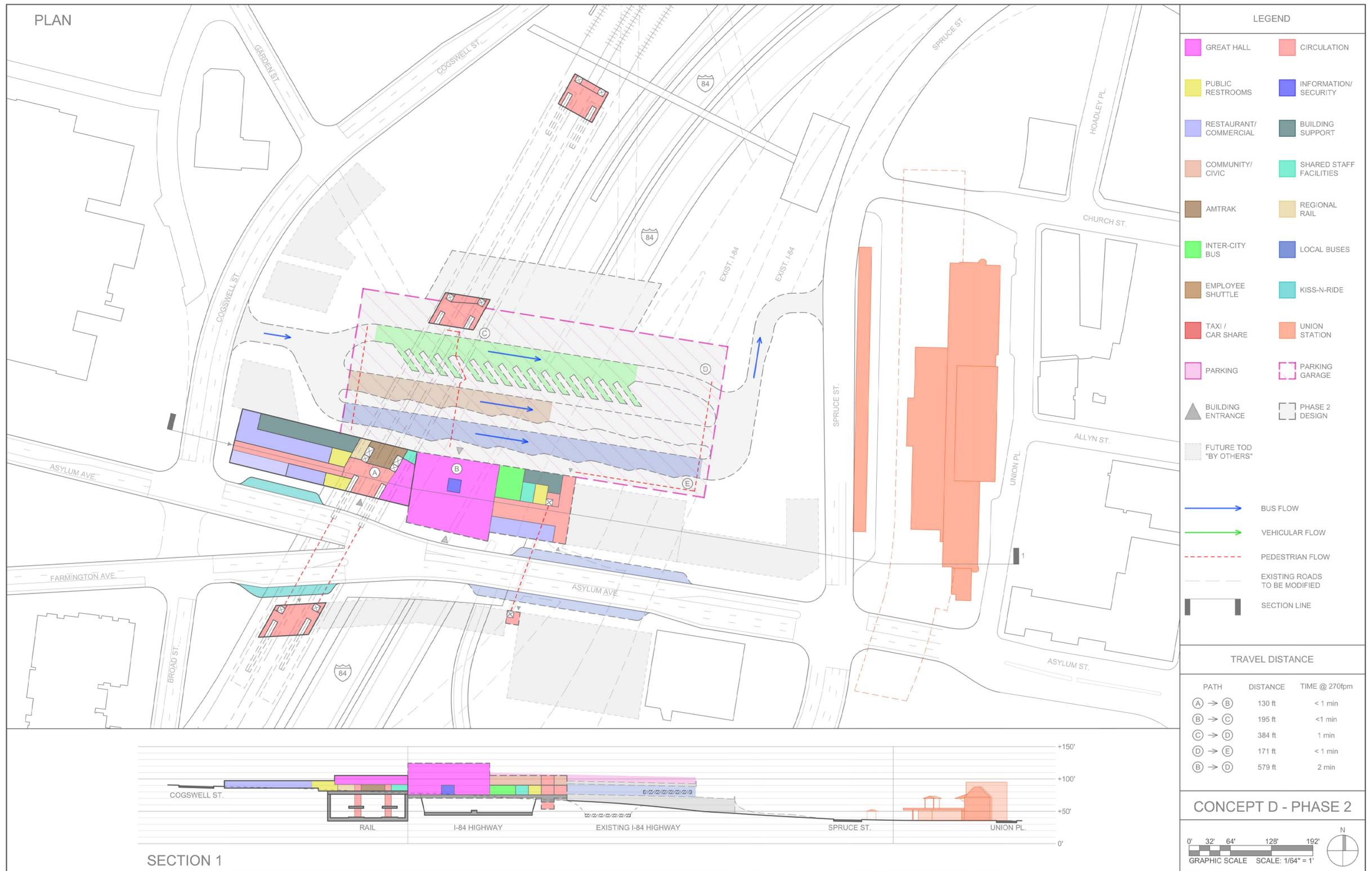


I-84 HARTFORD PROJECT MULTIMODAL STATION PLANNING - Concept D- Phase 1





I-84 HARTFORD PROJECT MULTIMODAL STATION PLANNING - Concept D - Phase 2





I-84 HARTFORD PROJECT MULTIMODAL STATION PROGRAMMING MATRIX

Space Relationship Matrix
LEGEND

- Strong Relationship
- Moderate
- Weak Relationship

Program Spaces	SHARED SPACES														AMTRAK				REGIONAL RAIL		INTER-CITY BUS													
	Building Entrance	Great Hall	Platforms and Platform Access	Public Restrooms	Vending	Restaurant / Commercial	News Stand	Employee Restrooms	Employee Break Room	Parking	Local Buses	Employee Shuttle	Kiss-N-Ride	Bike Racks	Taxi / Car Share	Amtrak Ticketing / Customer Service	Amtrak Cash Office / Safe	B&B Division Office	Amtrak IT Closet	Amtrak Employee Parking	CTrail Ticketing / Customer Service	CTrail Cash Office / Safe	Peter Pan Ticketing / Customer Service	Peter Pan Cash Office / Safe	Dispatch Office	Peter Pan Storage Room	Peter Pan Employee Parking	Peter Pan Bus Bays	Greyhound Ticketing / Customer Service	Greyhound Cash Office / Safe	Greyhound IT Closet	Package Express Room	Package Drop-off Parking	Greyhound Employee Parking

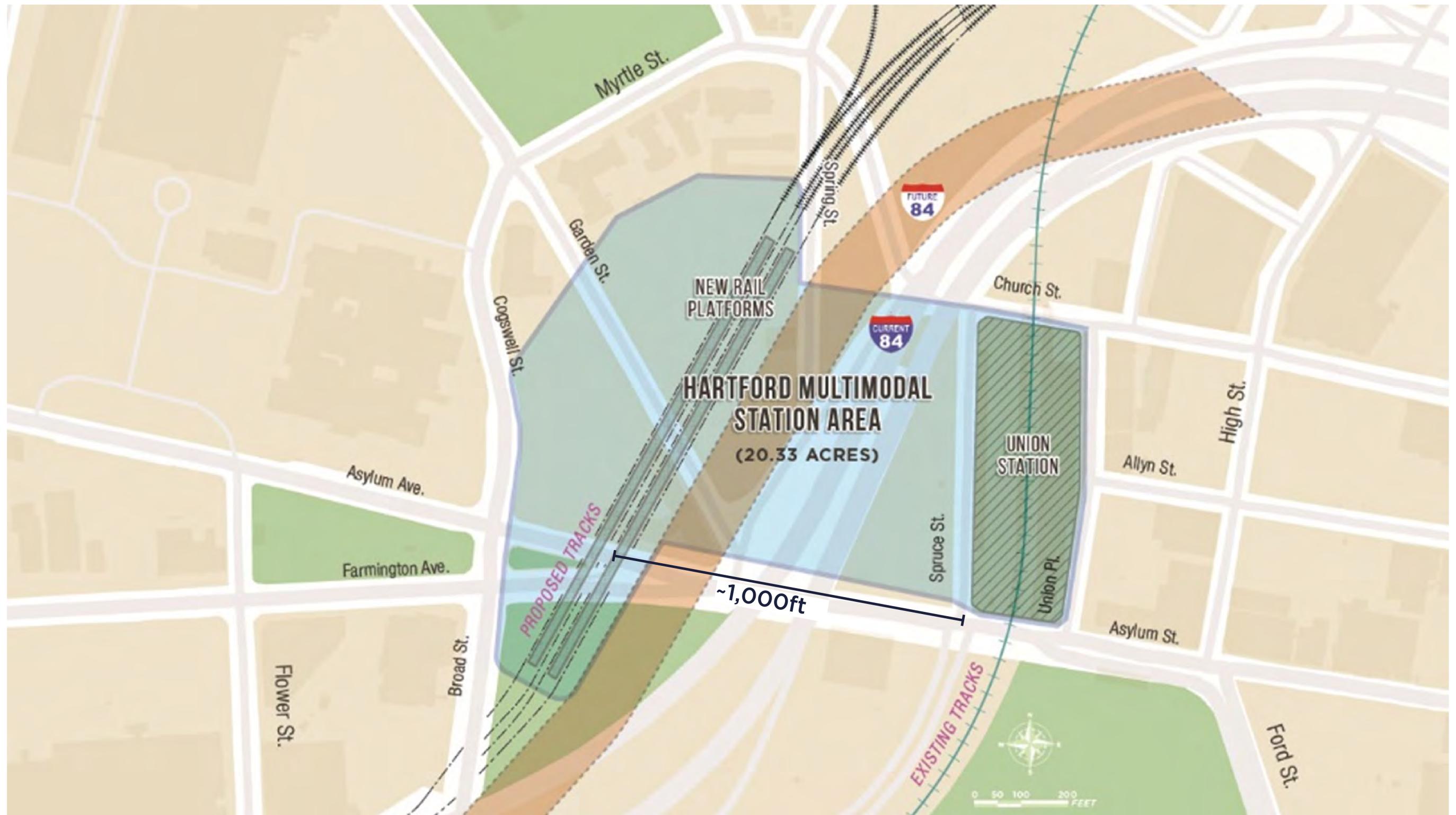
Program Spaces	Building Entrance	Great Hall	Platforms and Platform Access	Public Restrooms	Vending	Restaurant / Commercial	News Stand	Employee Restrooms	Employee Break Room	Parking	Local Buses	Employee Shuttle	Kiss-N-Ride	Bike Racks	Taxi / Car Share	Amtrak Ticketing / Customer Service	Amtrak Cash Office / Safe	B&B Division Office	Amtrak IT Closet	Amtrak Employee Parking	CTrail Ticketing / Customer Service	CTrail Cash Office / Safe	Peter Pan Ticketing / Customer Service	Peter Pan Cash Office / Safe	Dispatch Office	Peter Pan Storage Room	Peter Pan Employee Parking	Peter Pan Bus Bays	Greyhound Ticketing / Customer Service	Greyhound Cash Office / Safe	Greyhound IT Closet	Package Express Customer Service	Package Drop-off Parking	Greyhound Employee Parking	Greyhound Bus Bays		
Building Entrance	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Great Hall	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Platforms and Platform Access	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Public Restrooms	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Vending	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Restaurant / Commercial	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
News Stand	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Employee Restrooms	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Employee Break Room	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Parking	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Local Buses	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Employee Shuttle	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Kiss-N-Ride	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Bike Racks	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Taxi / Car Share	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Amtrak Ticketing / Customer Service	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Amtrak Cash Office / Safe	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
B&B Division Office	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Amtrak IT Closet	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Amtrak Employee Parking	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
CTrail Ticketing / Customer Service	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
CTrail Cash Office / Safe	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Peter Pan Ticketing / Customer Service	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Peter Pan Cash Office / Safe	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Dispatch Office	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Peter Pan Storage Room	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Peter Pan Employee Parking	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Peter Pan Bus Bays	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Greyhound Ticketing / Customer Service	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Greyhound Cash Office / Safe	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Greyhound IT Closet	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Package Express Customer Service	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Package Drop-off Parking	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Greyhound Employee Parking	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong
Greyhound Bus Bays	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong	Strong

AREA	CONCEPTS (SQFT)				
	A	B	C	D-PHASE 1	D-PHASE 2
GREAT HALL	9,600	8,940	8,940	2,300	17,000
CIRCULATION	7,700	6,500	8,100	7,300	12,400
PUBLIC RESTROOMS	2,300	2,300	2,300	1,600	2,300
INFORMATION / SECURITY	330	330	300	-	400
RESTAURANT / COMMERCIAL	6,240	4,860	4,860	5,350	7,100
BUILDING SUPPORT	4,870	3,700	3,700	3,200	4,900
COMMUNITY / CIVIC	2,320	2,000	2,000	-	2,300
SHARED STAFF FACILITIES	780	750 + EXIST.	750	300	300 RAIL 600 BUS
AMTRAK	4,200	4,200	4,200	4,200	4,200
REGIONAL RAIL	690	690	690	580	690
INTER-CITY BUS	4,920	EXIST.	EXIST.	EXIST.	4,920
INTER-CITY BUS BAYS	16	EXIST.	EXIST.	EXIST.	16
LOCAL BUS	500	420	420	EXIST.	500
LOCAL BUS BAYS	7	6	9	EXIST.	10
LOCAL BUS BAYS - ASYLUM	4	4	4	4	7
EMPLOYEE SHUTTLE	4	4	4	-	4
KISS-N-RIDE STALLS	10	10 + EXIST.	10	5 + EXIST.	12
TAXI / CAR SHARE STALLS	15	15	15	EXIST.	15
PARKING STALLS	220 PER	105 PER	205 PER	45 + EXIST.	330 PER

NOTES:
 - EXIST. = EXISTING
 - CAR AND TAXI DROP OFF STALL CALCULATED AT 18FT PER VEHICLE
 - PARKING CALCULATED AT 400SQFT PER PARKING STALL
 - ACCOUNTS FOR STRUCTURE AND CIRCULATION

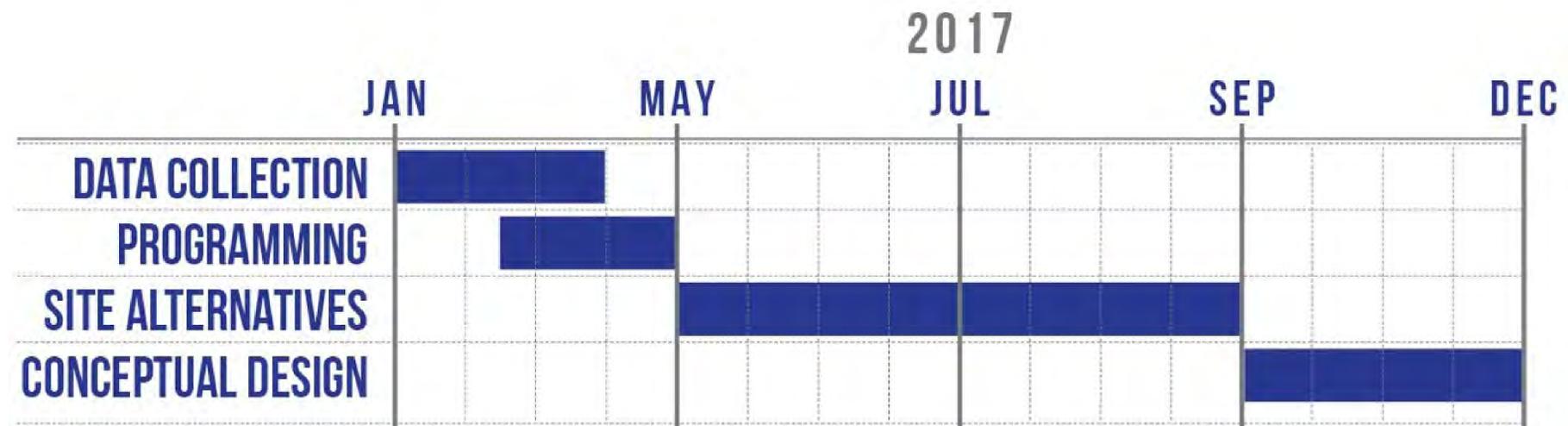


I-84 HARTFORD PROJECT MULTIMODAL STATION STUDY AREA





- Kicked off in January 2017
- 12 month effort
 - » Define program
 - » Develop site layout alternatives
 - » Identify preferred site layout
 - » Prepare conceptual design plans (15%)





I-84 HARTFORD PROJECT COMPLETE STREETS ARE...

Safe



Comfortable



Convenient



Conceptual rendering of a redesigned Park Street under I-84

For all users...



... ages and abilities

