

---

**HAYDEN CLARKIN'S  
WORK PORTFOLIO**

---

**CONTACT**

Hayden Clarkin  
New York, NY 11109  
United States

**PHONE**

Phone : +1 860 377 6590

**ONLINE**

hayden.clarkin@gmail.com  
thetransitguy.com  
linkedin.com/in/haydenclarkin

Hayden  
Clarkin, EIT

Engineering  
Planning/Outreach  
Graphics  
TransitCon  
Design  
Presentations

TRANSPORTATION ENGINEER/  
PLANNER

# Hayden Clarkin

Hayden Clarkin, EIT  
New York, NY 11109

Phone \_ +1 860 377 6590

Email \_ [hayden.clarkin@gmail.com](mailto:hayden.clarkin@gmail.com)

Web \_ [thetransitguy.com](http://thetransitguy.com)

LinkedIn\_ [linkedin.com/in/haydenclarkin](https://www.linkedin.com/in/haydenclarkin)

Blog \_ [thetransitguy.com/myblog](http://thetransitguy.com/myblog)



# My Resume

---

## ABOUT ME

Hayden is a transportation engineer-in-training with more than three years of professional experience in all things transit. I have worked on all aspects of transit: heavy rail projects, transit station design, systems engineering, ADA/accessibility design, BRT planning and design, bike/pedestrian facilities, access and network planning, transit-oriented development (TOD), ferry planning, and campus master planning to name a few. He is passionate about all transit, and is well poised to give a unique perspective as an engineer on any or all alternative transportation projects. He also founded TransitCon, a free transit conference organization that held its first event on January 31, 2021 with 54 speakers and over a thousand registrants.

---

## LANGUAGES

ENGLISH : NATIVE

GERMAN : BASIC

ASL : PROFICIENT

SPANISH : BASIC

---

## TECHNICAL SKILLS

AutoCAD Civil3D, Microstation, ArcGIS, Adobe Suite, Blubeam Revu, FIGMA, Infracore, Microsoft Suite, Synchro, VISSIM, SQL, Python, Javascript

## CERTIFICATION

ENGINEER IN TRAINING #167853

OSHA 30

---

## EDUCATION

### UNIVERSITY OF CONNECTICUT '18

Hayden majored in both Civil Engineering, B.S. and German Studies, B.A.. He was apart of Eurotech, a 5 year program in which students major in both a language and engineering degree, with one year being abroad.

### UNIVERSITÄT STUTTGART '17

As part of the Eurotech program, Hayden attended the Universtat Stuttgart in Stuttgart Germany for 7 months. He participated in intensive German language classes, in addition to learning Public Transport Operation and Urban and Regional Planning classes.

My happiest childhood moments were spent hanging out with my grandfather. A bus driver in Rhode Island, Papa would let me sit on his bus and I'd watch him work. On the weekends, he'd take me to the train station, and sit on the platform with me watching the Amtrak trains board and depart. I still feel that wonder in my work. There's always part of me that feels like that little kid on the platform with his grandfather.

DI

---

# Transportation Engineering

- 01. ALAMEDA "COMPLETE STREETS" CORRIDOR REDESIGNS
- 02. ATLANTIC GATEWAY PROJECT (DC2RVA)
- 03. MOUNTAIN VIEW GRADE SEPARATION
- 04. RAPID RIDE H LINE
- 05. ADA ANALYSIS OF LADWP
- 06. MTA ADA 8 STATIONS UPGRADE PROJECT

## 01 Alameda "Complete Streets" Corridor Redesigns

Client : City of Alameda

Year : 2018 - 2019

Location: Alameda, CA, USA

Alameda, CA is a small city in the Bay Area facing unprecedented amount of growth. With this growth, Alameda identified two corridors in need of multi-modal improvement: Central Ave and Clement Street. Hayden provided bicycle and pedestrian design, green stormwater infrastructure design, and a fully robust public outreach program for both corridors. He also provided cartographic maps and graphic collateral in Adobe suite, as well as CAD and GIS for these corridors.

## 02 Richmond to Washington, D.C Atlantic Gateway Project (DC2RVA)

Clients : DRPT, CSX

Year : 2019

Location: : Virginia, USA

As part of the United States Southeast High Speed Rail Project, Hayden worked on providing technical track and station design for the Washington, D.C. to Richmond, VA segment. Additionally, he drafted CAD plans for track alignments from preliminary to 35% design.



## 03 Mountain View Grade Separation

Client : City of Mountain View, VTA  
Year : 2018  
Location: Mountain View, CA, USA

With the anticipation of CASHR and electrified Caltrain service, the City of Mountain View needed to grade separate Castro St., their main arterial. Hayden provided bike/pedestrian expertise and technical CAD drafting to 35%.

## 04 RapidRide H Line

Client : King County Metro  
Year : 2019  
Location: Seattle, WA, USA

As part of the urban and mobility team, Hayden worked on the design and planning on the RapidRide H Line to the Delridge neighborhood of Seattle. He advised and took part in the design of the bus lanes and station design along the entire alignment.

## 05 ADA Analysis of Los Angeles Department of Water and Power

Client : LADWP  
Year : 2019  
Location: Los Angeles, CA, USA

After being mandated by court order to access all of its public ROW for any ADA deficiencies, Hayden was tasked with leading 5 engineers to create an interface to find such insufficiency. The application created allows a field engineer to measure and input all parameters into determine whether said infrastructure is ADA compliant. The application was successfully used for over 500 sites that LADWP owns and operates.



# 06 MTA ADA 8 Stations Upgrade Project

Client : MTA Construction & Development

Year : 2021

Location: New York, NY, USA

After losing a class action lawsuit, Hayden was asked to ensure design quality compliance and to create processes to track all project milestones as part of the project management consultant team. The project supports MTA’s commitment to make stations accessible and includes the installation of 17 new elevators that will provide full accessibility at eight stations within the five Boroughs of New York City.



# 02

---

## Planning/ Outreach

- 01. DIRIDON INTEGRATED STATION CONCEPT
- 02. VTA BART PHASE II
- 02. CENTRAL FALLS/PAWTUCKET MBTA STATION
- 04. REDWOOD CITY FERRY FEASIBILITY STUDY
- 05. BEST PARKING PRACTICES FOR CITY OF DOHA

## 01 Diridon Integrated Station Concept

Client : City of San José,  
CAHSR, VTA, Caltrain  
Years : 2018 - 2019  
Location. : San José, CA, USA

The City of San José adopted plans for substantial transit-oriented development near the Diridon station, which would bring thousands of new jobs and residents to the Diridon area. With these changes, Diridon Station is poised to become one of the busiest intermodal stations on the West Coast. Electrified Caltrain, BART, and California High-Speed Rail service will add to the trains, buses, and light rail that currently serve San José Diridon Station.

Hayden was part of the small Project Management Team (PMT), tasked with balancing the needs of five government agencies and Google to provide conceptual station design, access planning, organizational policy support, and a district-wide outreach strategy for the Diridon Station Area.



## 02 VTA Silicon Valley BART Phase II

Client : VTA, BART

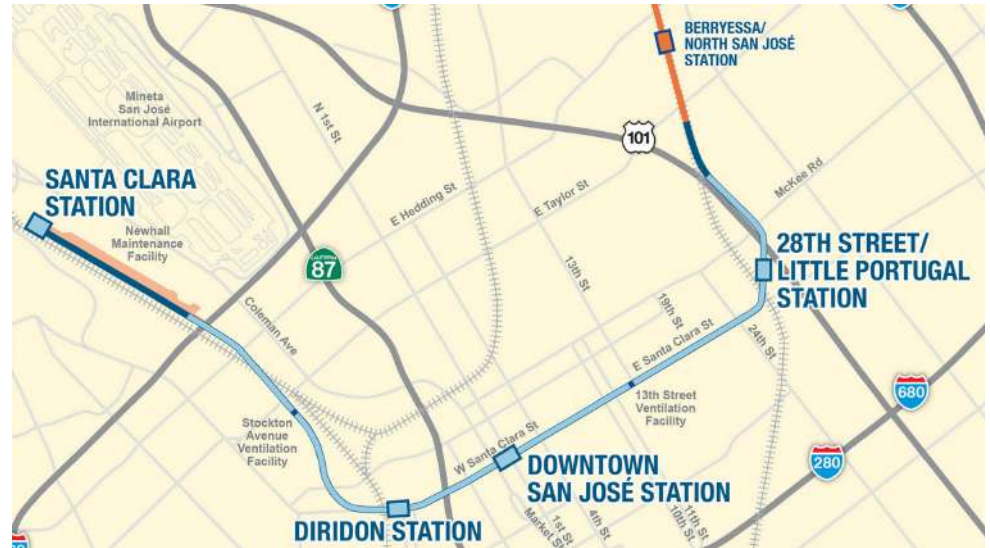
Year : 2019 - 2020

Location: Santa Clara County, CA, USA

The largest single public infrastructure project ever constructed in Santa Clara County, VTA's BART Silicon Valley Phase II Project (Phase II) will extend BART service six-miles from the Berryessa Transit Center into downtown San José and terminating in Santa Clara.

Hayden's responsibilities included:

- Created and maintained GIS database for all construction activity to better support business impact mitigation efforts
- Provided technical support for feasibility studies of additional entrances for the Downtown San José station
- Supported multiple Community Working Groups (CWGs) and orchestrated public outreach strategy for all businesses and stakeholders around and within the project alignment



## 03 MBTA Central Falls/Pawtucket Train Station & TIF District

Clients : City of Central Falls, City of Pawtucket, RIDOT

Year : 2017

Location: : Pawtucket, RI, USA

The MBTA Central Falls/Pawtucket intermodal train station and bus hub located on the border of both cities in an underutilized area of Rhode Island. Hayden provided access planning, station design, and outreach strategy surrounding TIF district in coordination with transit agencies, stakeholders, and DOT.



## 04 Redwood City Ferry Feasibility Study

Clients : City of Redwood City, Port of Redwood City, WETA

Year : 2018 - 2019

Location: : Redwood City, CA, USA

With the potential expansion of ferry service in South Bay, Hayden worked on a team tasked with the feasibility of a Redwood City ferry terminal. He worked on drafting environmental documentation, modeling analysis, and service scenario planning.



## 05 Best Parking Practices Policy Guide

Clients : City of Doha

Year : 2018 - 2019

Location: : Doha, Qatar

The city of Doha, Qatar looked for innovative and modern parking policies for their municipal mobility department to implement. Hayden researched and interviewed transportation staff from Barcelona, Melbourne, San Francisco, and London to find best policies for the city of Doha.

# 03

---

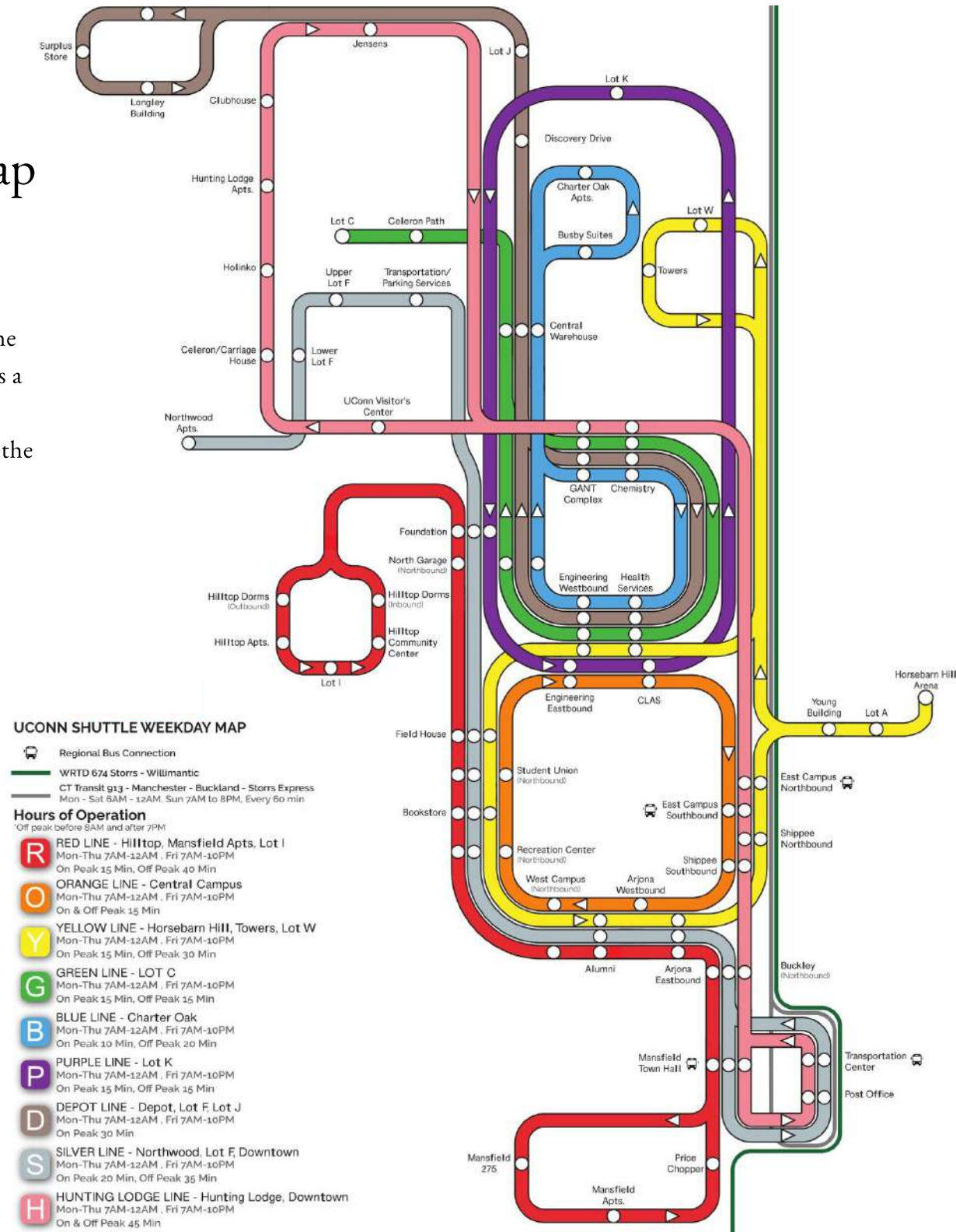
## Graphics

- 01. UCONN "UNOFFICIAL" BUS MAP
- 02. UCONN SHUTTLE SERVICES

# UConn "Unofficial" Bus Map

Year : 2019

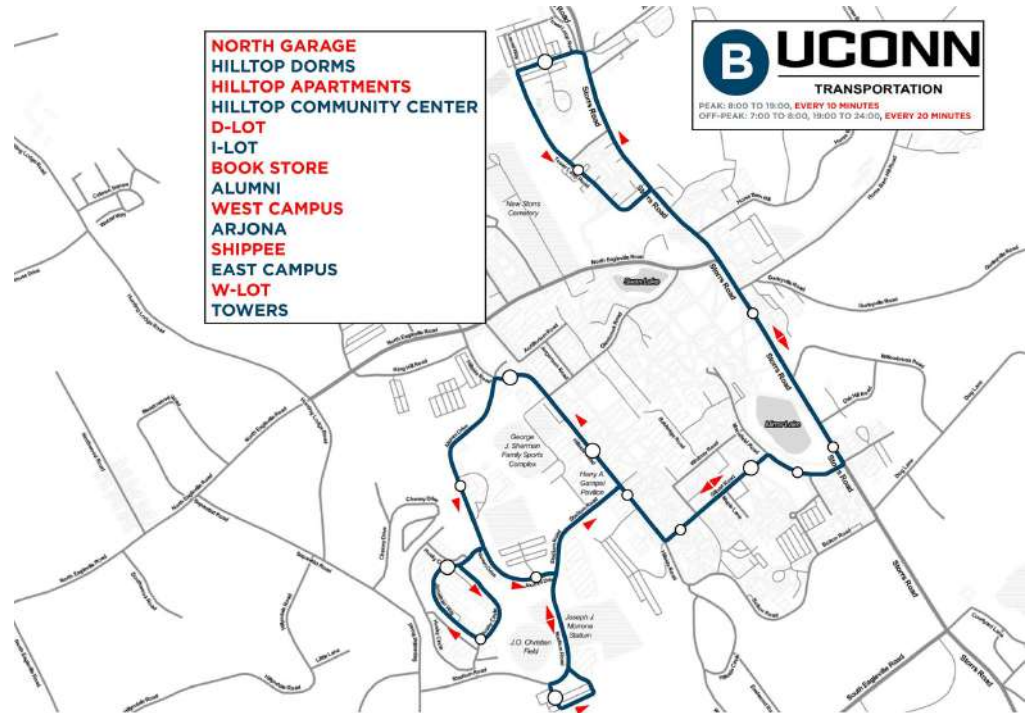
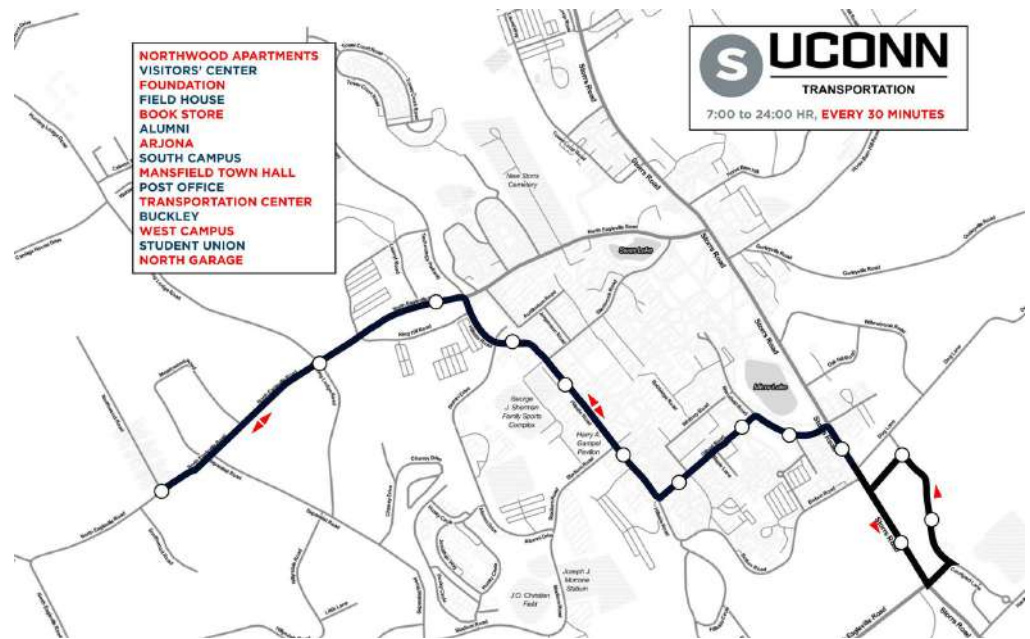
After finding the official UConn Shuttle bus maps to be an inadequate representation of the service offered, Hayden redesigned the map as a schematic subway map. The map was widely received and UConn reached out to purchase the rights of the map from him.



## 02 Official UConn Shuttle Maps

Client : UConn Transportation  
 Year : 2017 - 2018

For the 2017 to 2018 academic year, Hayden was contracted to create the graphics for all of UConn's Shuttle services for the Storrs, CT campus. In addition to the fixed route services designed, he also was contracted to create all game day and special event maps.





04

---

TransitCon

# 01 TransitCon Conference

Date : January 31st, 2021  
 Website: transit-con.com

Hayden founded and organizes TransitCon, a free and virtual conference organization geared for passionate transit professionals, advocates, and nerds alike. The first TransitCon conference took place in January 2021 and offer over 54 speakers, 6 regional discussions, 44 sessions, and a thousand sign ups for an all day gathering. Topics of equity, customer experience, transit map, best practices, and advocacy are just a highlight of what is covered. Christof Spieler, author of "Trains, Buses, People" gave a keynote closing plenary, with a panel consisting of Jerome Horne, Janice Li, and Stephanie Burgos-Veras.

TransitCon is intended to create monthly programming, to be a hub of accessible transit content for everyone.



**CHRISTOF SPIELER, PE, LEED AP, AICP**  
 Director of Planning, Huit-Zollars  
 cspieler@huit-zollars.com  
 @christofspieler



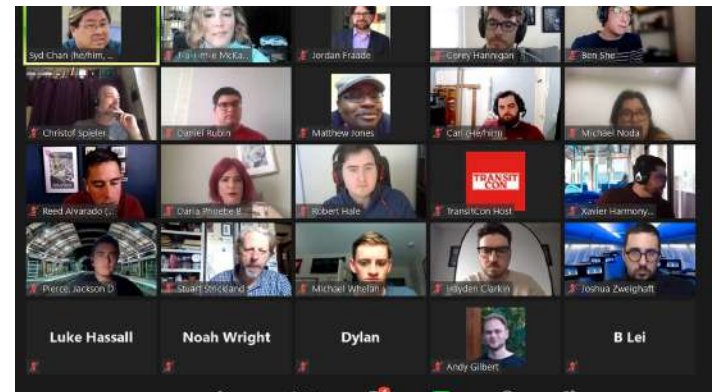
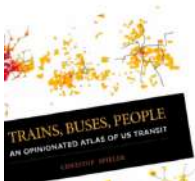
**JEROME HORNE**  
 formerly  
 Ridership Experience Specialist, IndyGo  
 now  
 Foursquare ITP  
 @jahome



**JANICE LI**  
 Board Director, BART  
 Advocacy Director, SF Bicycle Coalition  
 @JaniceForBART



**STEPHANIE BURGOS-VERAS**  
 Organizing Manager  
 Riders Alliance



OS

---

Design

# 01 Madison, WI BRT Station Design Competition

Year : 2021

Both the natural topology and street grid of Madison, WI were the principal inspirations for this design proposal. Our design team leverages these iconic design elements as motifs in a shelter concept that focuses on passenger comfort, celebrates the arrival of frequent fixed route transit service, and embraces the varying context of the neighborhoods the route will flow through. Features include:

- A roof that mirrors the natural disposition of a stream, which is not only an aesthetic form, but also serves as a channel for precipitation to either a rain garden (center platform) or storm drain (side platform). The shelter's roof was designed to partially cover the busway in order to limit passengers' exposure to precipitation while boarding and alighting by hydrological analysis.
- Isthmus shaped railing spindles that lead to two wooden isthmus shaped (center platform) or an isthmus curved designed back bench (side platform) are a reflection of the unique topology Madison, WI.
- Metal ramp railings mirror the geometric street grid that radiates from the iconic State Capitol building.
- Center platform sport Wisconsin fauna grown in median rain gardens to compliment the local nativity.
- Natural materials compliment the tones of the neighborhood facades of varying hues of brick, while also paying homage to Madison, WI native Frank Lloyd Wright.
- The alcove designed provides an area with enhanced comfort, offering significant protection from wind during the cold winter season.
- Transparent glass panels backing the wooden partitions not only protect the shelter from cross winds, but also provide visibility into the waiting area from passersby and allow light from outside of the shelter to contribute to the feeling of safety within.
- LED strip lighting inset between the wooden beams of the roof provide lighting at night and at dusk. On curbside stations, partial transparency through the bus stop partition ensures visibility of riders to pedestrians passing on the adjacent sidewalk and allows light from the shelter to add illumination to the sidewalk.





06

---

Presentations

# 01 URSTA Conference, Keynote

Date : May 12th, 2021

Presentation: "The Power of Transit" Keynote

Hayden presented the keynote talk titled "The Power of Transit", an optimistic presentation regarding the physical and intangible benefits that transit has on our day to day lives. Hayden created the five "powers of transit" and outlined each in his own keynote.

- 1) The Power to Make us More Equal
- 2) The Power to Create Prosperity
- 3) The Power to Sustain our Future
- 4) The Power to Respect Us
- 5) The Power to Connect us

Link of keynote video recording to be posted in June of 2021.



## The Power of Transit

The Unrealized Opportunity Transit has on our Lives

Hayden Clarkin, EIT

May 12, 2021





---

## ACRONYMS

---

<b>BART</b>	BAY AREA RAPID TRANSIT
<b>CASHR</b>	CALIFORNIA HIGH SPEED RAIL
<b>DRPT</b>	DEPT OF RAIL & PUBLIC TRANSPORTATION
<b>LADWP</b>	LOS ANGELES DEPT. OF WATER & POWER
<b>MTA</b>	METROPOLITAN TRANSPORTATION AUTHORITY
<b>RIDOT</b>	RHODE ISLAND DEPT. OF TRANSPORTATION
<b>TIF</b>	TAX INCREMENT FINANCING
<b>VTA</b>	VALLEY TRANSPORTATION AUTHORITY
<b>WETA</b>	WATER EMERGENCY TRANSPORTATION AUTHORITY

Thank You,  
Hayden