AMERICAN BOULEVARD TRAVELSHED ANALYSIS

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Initial Objectives

- Determine how many workers in the American Boulevard corridor live in MVTA communities.
- Determine if there are residents that live in the corridor but work in MVTA communities. What do these travel patterns look like.
- Identify the current access to transit for these workers.
- Determine corridor destinations that would be best served by transit

Primary Objectives

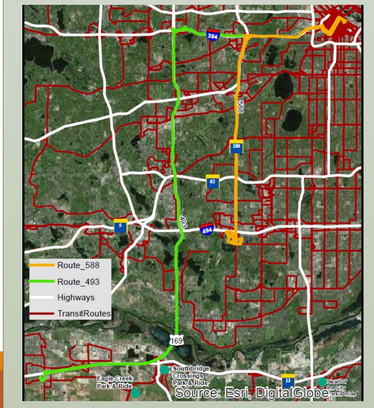
Determine MVTA routing for three transit options:

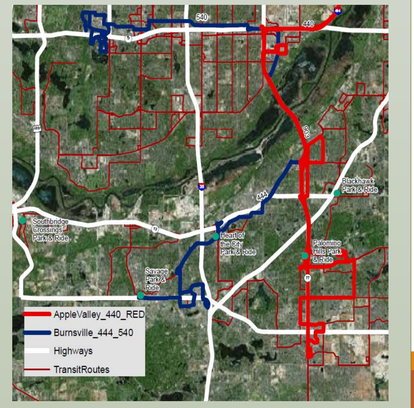
- From Marschall Rd Station P&R to the Southwest corner of Hwy 100 and 494 via Hwy 169 and then onto MOA via American Blvd.
- From Burnsville P&R to American Blvd via 35W. Then determine whether there is a potential for higher ridership going from 35W to the southwest corner of Hwy 100 or going from 35W to MOA.
- From Apple Valley P&R to MOA via Hwy 77 and then on to the southwest corner of Hwy 100 via American Blvd.

Parameters:

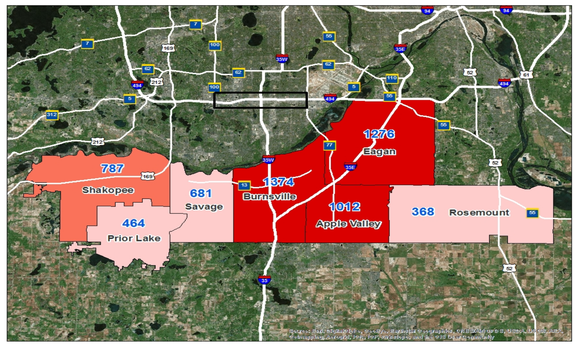
- **Total trip no longer than 1 hour.**
- **No more thaån 1 transfer.**
- **Determine service span needs (peak for traditional 8 am to 5 pm workers; multiple shift start/end times for retail and non-traditional employers; potential for a reverse commute market)**

Current Access to Transit (MVTA to American Blvd)

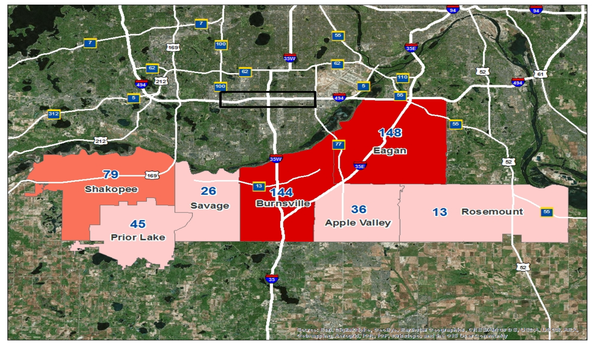




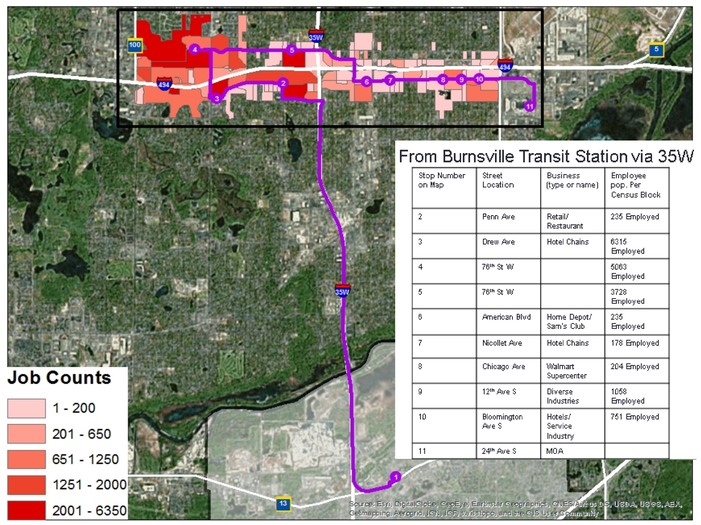
Number of MVTA Residents who work on American Blvd



Number of American Blvd Residents who work in MVTA Communities



Recommended American Blvd Stop Locations



Stop Number on Map	Street Location	Business (type or name)	Employee pop. Per Census Block
2	Penn Ave	Retail/ Restaurant	235 Employed
3	Drew Ave	Hotel Chains	6316 Employed
4	76th St W		6063 Employed
5	76th St W		3728 Employed
6	American Blvd	Home Depot/ Sam's Club	235 Employed
7	Nicollet Ave	Hotel Chains	178 Employed
8	Chicago Ave	Walmart Supercenter	204 Employed
9	12th Ave S	Diverse Industries	1058 Employed
10	Bloomington Ave S	Hotels/ Service Industry	751 Employed
11	24th Ave S	MOA	

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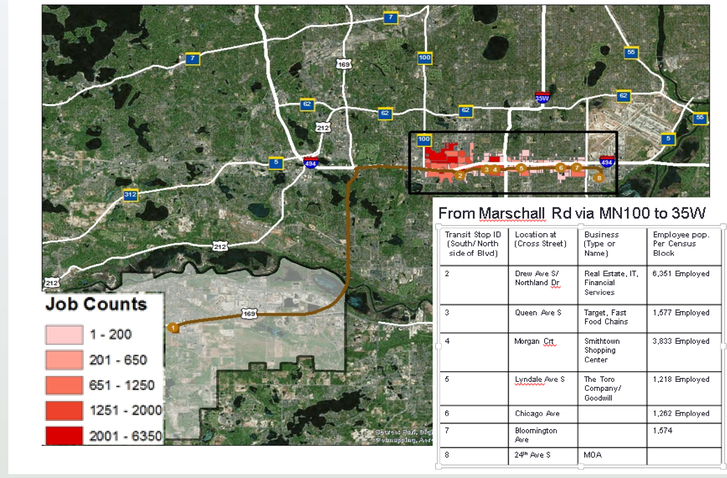
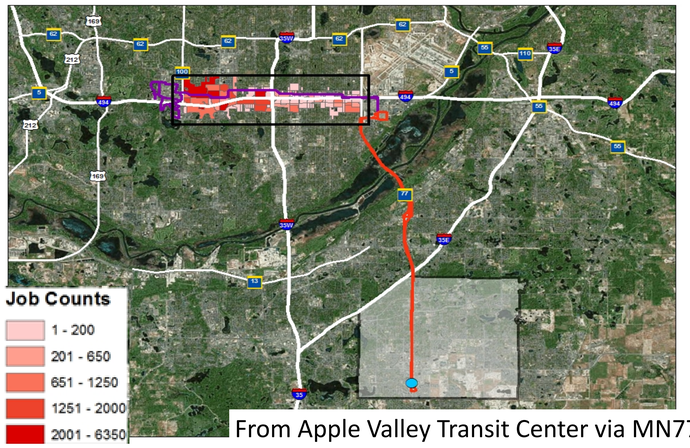


Transit Stop ID (South/ North side of Blvd)	Location at (Cross Street)	Business (Type or Name)	Employee pop. Per Census Block
2	Drew Ave S/ Northland Dr	Real Estate, IT, Financial Services	6,351 Employed
3	Queen Ave S	Target, Fast Food Chains	1,577 Employed
4	Morgan Crt.	Smithtown Shopping Center	3,833 Employed
5	Lyndale Ave S	The Toro Company/ Goodwill	1,218 Employed
6	Chicago Ave		1,262 Employed
7	Bloomington Ave		1,574
8	24th Ave S	MOA	



Challenges and Next Steps

- **Was not able to successfully use GTFS data which would have:**
  - **Allowed us to map transit accessibility based off transit schedules**
  - **Determine the time it takes for transit to travel during any time of day/ day of week**
- **Was not able to determine specific stops for current Metro Transit Route 540 because our Transit Stop GIS file did not contain genera route numbers (provided by Metro GIS)**
- **Due to time constraints, we were not able to determine potential (exact) ridership each route**

Methods

- **Collected tabular data and GIS spatial data from:**

  Metro GIS
  MVTA
  U.S. Census Longitudinal Employer- Housing Dynamics (LEHD)
  U.S. Census OnTheMap
  SocialExplorer

- **Utilized several spatial analysis tools in ArcMap (ESRI ArcGIS)**