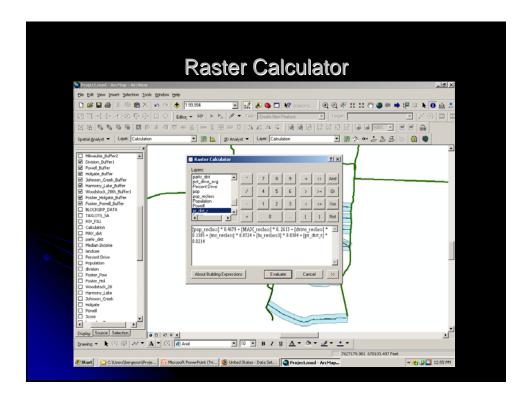


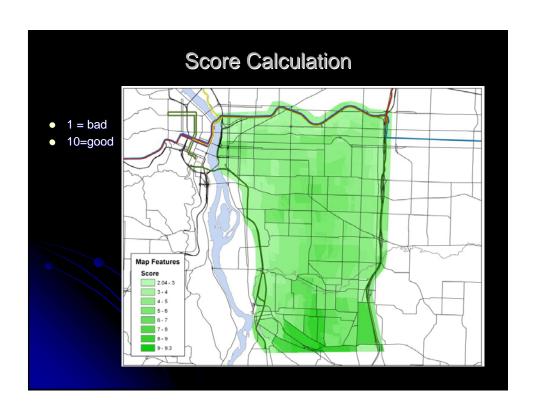
Factor Weights

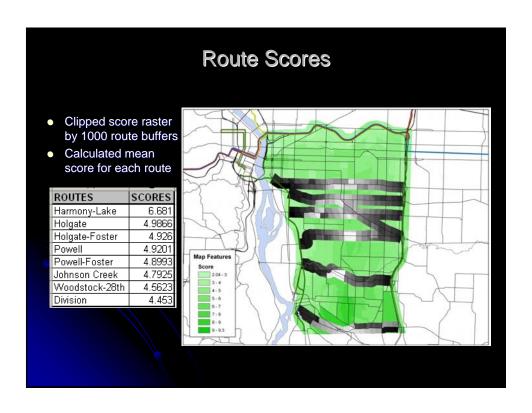
- Analytical Hierarchy Process
- Pair wise Comparison of 6 factors

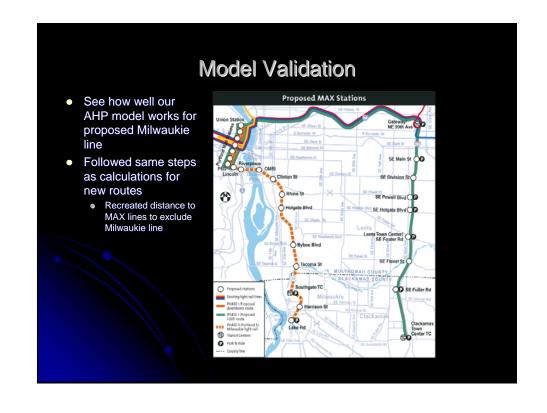
	POPULATION	DISTANCE TO MAX	% DRIVE	INCOME	LANDUSE	DISTANCE TO PARK & RIDE		FACTOR
POPULATION	1.00	3.00	5.00	7.00	9.00	11.00	4.671654851	0.467930459
DISTANCE TO MAX	0.33	1.00	3.00	5.00	7.00	9.00	2.608465471	0.261273678
% DRIVE	0.20	0.33	1.00	3.00	5.00	7.00	1.383087554	0.138535233
INCOME	0.14	0.20	0.33	1.00	3.00	5.00	0.723020026	0.072420396
LANDUSE	0.11	0.14	0.20	0.33	1.00	3.00	0.38336716	0.038399492
DISTANCE TO PARK & RIDE	0.09	0.11	0.14	0.20	0.33	1.00	0.21405691	0.021440742
							9.983651973	1

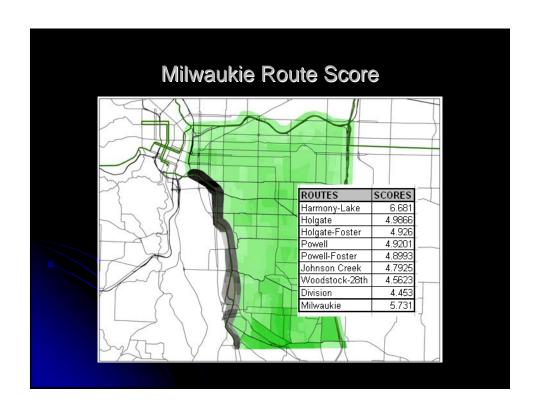
Population reclass x 0.4679 + Distance to Max reclass x 0.2613 + Percent drive reclass x .01385 + Income reclass x 0.0724 + Landuse reclass x 0.0384 + Distance to Park & Ride reclass x 0.0214

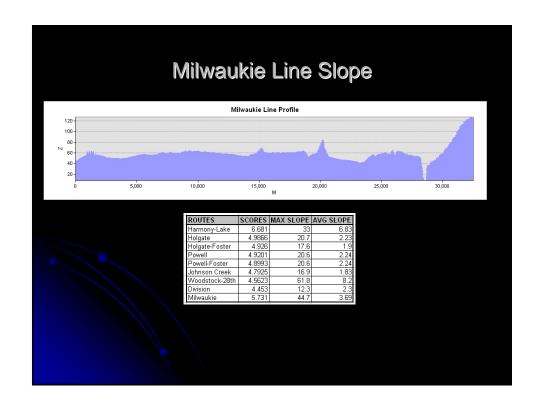












Further Considerations

- Other factors for MAX line possible route analysis
 - Current train rider levels
 - Cost
 - Public input
 - Neighborhood factors
 - Commuting patterns
 - Future
 - planning/development
 - Environmental factors
 - Infrastructure/Structural factors
 - Train stop locating
 - Future Park & Ride locating
- Different AHP factors



References

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- US 2000 Census Data
 - http://factfinder.census.gov/home/saff/main.html? lang=en
- USGS National Elevation Dataset: http://ned.usgs.gov/
- Tri-Met: http://www.trimet.org/projects/index.htm
- City of Milwaukie:

http://www.cityofmilwaukie.org/news/2008/webfactsheet/webfactsheet.pdf