Block group shapefile- should either come with Median data attribute or be joined to it. It also should be matched to extent of subject area (in this case lowa City city limits)

GTFS- open source files on every public transit agency, They almost all follow a similar layout so 'shapes.txt' and 'routes.txt' should exist in the file folder

Make layer out of block group shape file

Using specific gtfs tool make features off routes and stops

Those features may not have any map projection information so define the projection to match block groups shapefile

Reduce block group layer to block groups that are "low-income" for our purposes below the livable wage threshold for 1 adult with no kids

Spatial Join block groups with routes

Use specific tool to generate service area that is not "Euclidean distance" rather based on actual travel time on foot

Use Arc pro to generate "POI" data for your given area

Filter POI's within reduced block groups

Using Bureau of Labor Statistics data to match NAICS two digit codes with mean income adjusted to represent only jobs requiring a High School education or below

Create income dictionary for NAICS codes and adjusted mean income

Create a new field in POI data for mean income

Filter POI data to make "workplaces" that can provide opportunity for economic mobility by paying a livable wage

Filter POI data again to be total suitable workplaces in adjusted block groups

Filter the total workplaces that are within service areas creating layer of workplaces that are suitable for economic mobility and accessible by transit

Iterating through block groups, count accessible and suitable workplaces in each block group, and calculate a percentage of suitable workplaces that are accessible in each block group