



# NWARPC

NORTHWEST ARKANSAS REGIONAL PLANNING COMMISSION

# TRANSIT ALTERNATIVES STUDY

Appendix B-  
Scoring Criteria



## Table of Contents

|   |                                     |   |
|---|-------------------------------------|---|
| 1 | Appendix B – Scoring Criteria ..... | 1 |
|---|-------------------------------------|---|

# 1 APPENDIX B – SCORING CRITERIA

| Scoring Criteria   | Total Points Per Criterion | BRT | LR | CR |
|--|----------------------------|-----|----|----|
| <b>Mobility Improvements/Impacts</b>   |                            | 14  | 14 | 12 |
| Number/stops/stations  | 5                          | 5   | 3  | 1  |
| Percentage of stops/stations with safety-security improvements, including lighting, shelters, raised curbs/platforms | 5                          | 5   | 5  | 1  |
| Percentage of stops/stations with safety-security improvements, including lighting, shelters, raised curbs/platforms | 5                          | 3   | 5  | 5  |
| Transit running on exclusive lane  | 5                          | 1   | 1  | 5  |
| <b>Congestion Benefits/Impacts</b>   |                            | 6   | 2  | 10 |
| Miles of guideway on new roadway or right-of-way   | 5                          | 1   | 1  | 5  |
| Miles of existing roadway converted to transit use   | 5                          | 5   | 1  | 5  |
| <b>Environmental Benefits/Impacts</b>  |                            | 6   | 6  | 6  |
| Potential environmental impacts (undeveloped areas)  | 5                          | 1   | 1  | 5  |
| Potential Construction Impacts (developed areas)   | 5                          | 5   | 5  | 1  |
| <b>Land Use Benefits</b>   |                            | 11  | 7  | 9  |
| Number of Parks  | 5                          | 5   | 5  | 1  |
| Number of Cemeteries   | 5                          | 3   | 1  | 3  |
| Number of Underground Gas/Diesel Storage Tanks   | 5                          | 3   | 1  | 5  |
| <b>Demographics &amp; Socioeconomics Benefits</b>  |                            | 47  | 51 | 40 |
| Key Regional Attractions   | 5                          | 5   | 5  | 5  |
| Population   | 5                          | 5   | 5  | 4  |
| Jobs   | 5                          | 5   | 5  | 3  |

|   |            |            |            |            |
|---|------------|------------|------------|------------|
| Population Density (persons per square mile)  | 5          | 4          | 4          | 4          |
| Employment Density  | 5          | 3          | 4          | 3          |
| Population in poverty   | 5          | 5          | 5          | 4          |
| Minority Population   | 5          | 5          | 5          | 3          |
| Population with Disability  | 5          | 5          | 5          | 4          |
| Zero-car households   | 5          | 5          | 5          | 4          |
| Potential to attract development  | 5          | 2          | 4          | 3          |
| Potential to encourage transit-oriented development form  | 5          | 3          | 4          | 3          |
| <b>Cost-Effectiveness</b>   |            | <b>37</b>  | <b>27</b>  | <b>25</b>  |
| Total Capital Cost (project feasibility)  | 5          | 5          | 1          | 5          |
| Annualized capital cost   | 5          | 5          | 1          | 5          |
| Capital cost per mile   | 5          | 5          | 1          | 5          |
| Total Annual Operating Cost (project feasibility)   | 5          | 5          | 5          | 1          |
| Operating cost per hour of service  | 5          | 5          | 5          | 1          |
| Operating cost per mile of service  | 5          | 5          | 5          | 1          |
| Operating cost per passenger trip   | 5          | 5          | 5          | 1          |
| Potential to attract discretionary funding (Federal and Walton Family Foundation; equates to various measures above). | 5          | 3          | 1          | 1          |
| Potential to attract regional and local political support   | 5          | 3          | 3          | 4          |
| Economic Development  | 5          | 1          | 5          | 2          |
| <b>Total Score</b>  | <b>160</b> | <b>126</b> | <b>112</b> | <b>103</b> |