

Memorandum

Public Works Department



DATE: August 7, 2008
TO: Mayor & Council
FROM: Jyme Sue McLaren, Light Rail Project Manager (350-8803)
THRU: Glenn Kephart, Public Works Manager (350-8205)
SUBJECT: **Tempe South Corridor Study – IRS 8/14/08**

Tempe and Chandler are working with METRO, in coordination with the Federal Transit Administration, on a 24-month study to analyze potential high capacity transit improvements. This study is evaluating a range of high capacity transit technologies, including bus rapid transit, commuter rail, light rail transit and modern streetcar, as well as potential north-south alignments (e.g., Mill Avenue/Kyrene Road, Rural Road and McClintock Drive).

The Tempe South Corridor study is a two tiered evaluation approach. Tier 1 is a qualitative evaluation that analyzes the advantages and disadvantages of each transit technology and alignment alternative in relation to the project's goals. The most feasible alternatives are then carried forward and infeasible alignments and technologies are eliminated.

The Tier 1 analysis has been completed and the results were shared with the public in June 2008. Based upon the analysis, the following recommendations are being provided to Mayor and Council for consideration, as follows:

Alternatives recommended for elimination:

Union Pacific Railroad

- light rail

Mill Avenue/Kyrene Road

- bus rapid transit in exclusive lane
- light rail

McClintock Drive

- all alternatives (light rail, bus rapid transit and modern streetcar)

Alternatives recommended for additional analysis:

Union Pacific Railroad

- bus rapid transit
- commuter rail

Mill Avenue/Kyrene Road

- bus rapid transit in shared lane
- modern streetcar

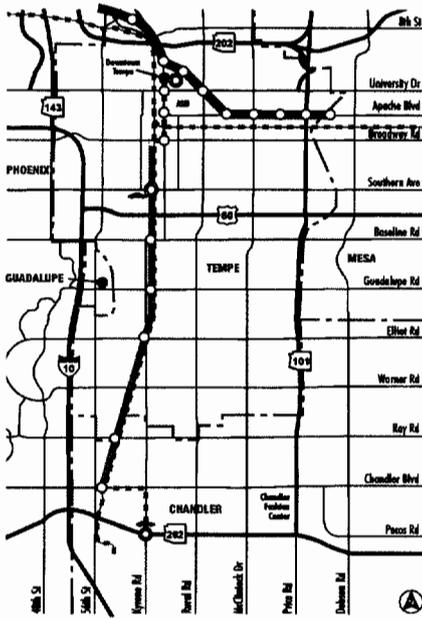
Rural Road

- bus rapid transit in both shared and exclusive lane
- light rail
- modern streetcar

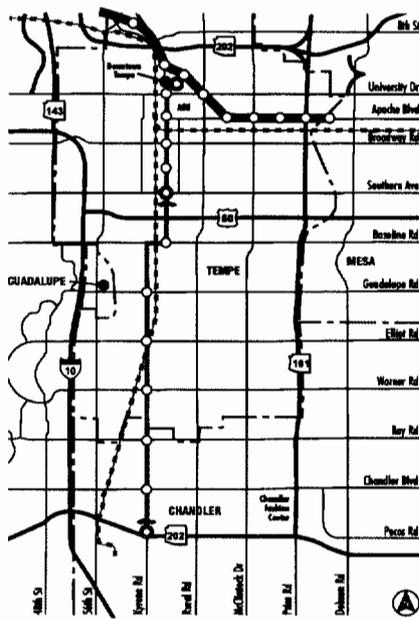
Staff will be available at the IRS to further discuss these alternatives.

Attachment: Tempe South Tier 2 Alternatives

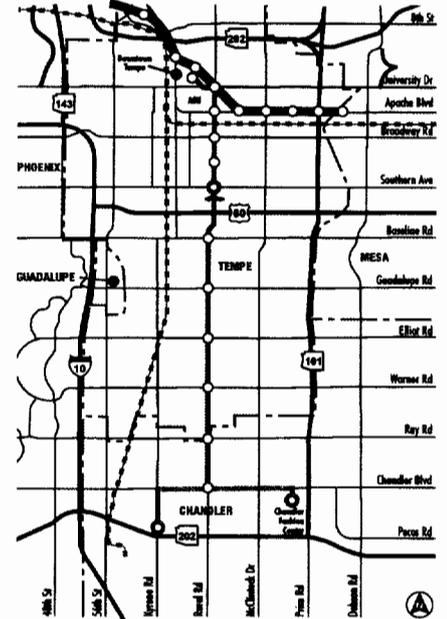
BRT - UPRR



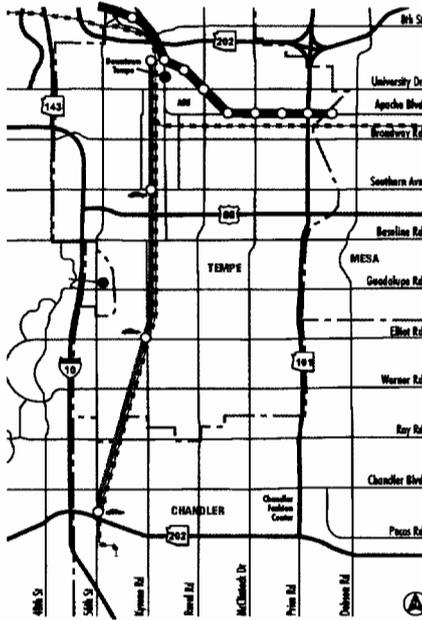
BRT - Mill/Kyrene



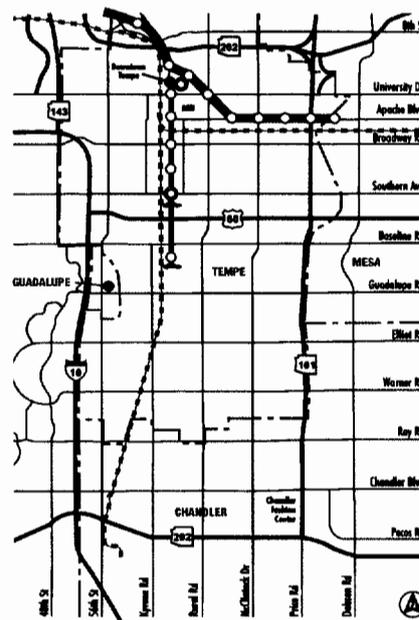
BRT - Rural



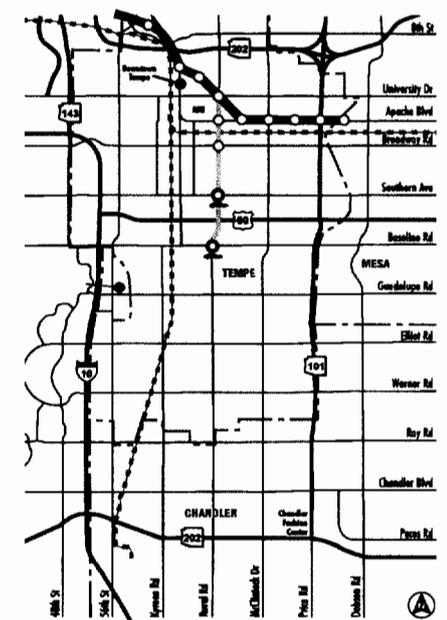
CR - UPRR



MS - Mill



LRT / MS - Rural



LEGEND

- | | | | |
|---|-------------------------|---|------------------------------|
|  | Light Rail Starter Line |  | Union Pacific Railroad(UPRR) |
|  | Station | BRT | Bus Rapid Transit |
|  | Transit Center | CR | Commuter Rail |
|  | Park-n-Ride | LRT | Light Rail Transit |
|  | Study Area | MS | Modern Streetcar |