



## MEMORANDUM

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March 27, 2010

TO: Board of Mayor and Aldermen

FROM: Eric J. Gardner, P.E., Director of Engineering  
Eric S. Stuckey, City Administrator  
David Parker, City Engineer

SUBJECT: Small Projects Discussion

### **Purpose**

The purpose of this memo is to provide BOMA with information about the small (less than \$1.5 Million) roadway projects.

### **Background**

City Staff (CIP Project Managers, City Engineer, and Department Directors) involved with roadway CIP projects have listed the small roadway projects in a format similar to the one used during the CIP prioritization process. Staff evaluated multiple factors to be used to help determine a ranking of these projects. The factors that were used were progress cost, utility coordination, adjacent development, adjacent capital projects, traffic congestion, safety, and maintenance. Points for each factor were assigned to score each project on a scale of 100. The following is an explanation of each factor and the number of points the factor was worth:

**Progress Cost (7 Points)** – Looked at the overall cost of the project and the costs already spent/committed versus the remaining costs to the City.

**Utility Coordination (15 Points)** – Looked at areas where City utility upgrades/projects are known to be needed in the near future.

**Adjacent Development (8 Points)** – Looked at areas where known development is planned or the potential for development can be improved by the completion of a project.

**Adjacent Capital Projects (10 Points)** – Consideration of other capital projects planned to occur adjacent to subject project in the near future.

**Traffic Congestion (20 Points)** – Consideration of the likelihood that the project will alleviate traffic congestion.

**Safety (25 Points)** – Consideration of the likelihood that the project will improve traffic safety in the general area of the project.



**Maintenance (15 Points)** – Impact of maintenance needed if the project does not occur.

At the March 9, 2010 Work Session, staff was directed to provide additional information about each of the projects listed as Small Projects. Staff has updated the CIP sheets for each of the Small Projects. The following information has been updated for each project on the CIP sheets:

- Estimated Construction Start Date – This is the earliest date that the project could begin if the Board chose to fund the project at the April 27, 2010 BOMA meeting.
- Estimated Date of Completion – Date that construction would be completed if started by the Estimated Construction Start Date.
- Description – Has been updated to include additional information about the project.
- Prioritization Factors – Factors used to determine prioritization when staff ranked the projects. This factors are described above.
- Expenditures – Cost Spent To Date column added to inform the Board of the amount that has previously been spent on the project.

### **Financial Impact**

TBD. Any projects prioritized from this listing will be funded from the \$500,000 that was set aside by the Board to be spent for small projects each year. Whichever option is chosen, the total financial impact for FY 2010-12 would be no greater than \$1,500,000.

### **Recommendation**

The priority ranking of the small projects is as follows:

1. Nichol Mill Lane – 66
2. Jordan Road – 58
3. Beasley Drive/Century Court Connector – 50
4. Mallory Station Signalization at General George Patton and Duke Drive – 49
5. Beasley Drive/Century Court Connector Extension – 40
6. White Topping Improvements – 36
7. Traffic Signal Upgrade Program – 28
8. Carothers Parkway Right Turn Lane at Cool Springs Boulevard – 27
9. Boyd Mill Avenue Improvements from Downs Boulevard to West of Franklin Green – 25
10. S.R. 96 and Southwinds Intersection Improvement – 24
11. Roadway Impact Fee Study Update – 15
11. (Tie) I-65/Goose Creek Interchange Study – 15
13. Gateway Enhancements – 5

Staff evaluated three different options for funding (See attached funding option sheets). Staff recommends that projects that have the most beneficial impact to safety and traffic congestion get funded first. These projects include Nichol Mill Lane, Beasley Drive/Century Court Connector, and Mallory Station Signalization at General George Patton and Duke Drive.