

Department of Public Works

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May 9, 2008

To: Alderman Holding, Chairman
Public Works & Services Committee

From: John C. Rooney, Asst. Commissioner of Public Works/Engineering



RE: Item 08-1822

This item pertains to the request of the Public Works & Services Committee to seek proposals for the study of two-way traffic on Marquette Street, between State Street (STH 38) and Douglas Avenue; and Martin Luther King Drive, between State Street (STH 38) and High Street. As you know, the current configuration of the one-way streets (Marquette Street – southbound and Martin Luther King Drive – northbound) create complex signal timing and geometric conditions at the termini of each corridor.

Ayres Associates has submitted a proposal to perform a Traffic Impact Analysis (TIA) to examine the feasibility of this proposed change. Ayres will perform four tasks to consider major intersections on both road networks:

Task 1 consists of field reconnaissance, traffic counts, intersection capacity analysis and crash analysis.

Task 2 consists of a traffic operations and safety analysis for redistributed traffic volumes in two-way street operation for a minimum level of service "C".

Task 3 consists of alternative analysis and review including concept level sketch plans for intersection geometry, lane use, intersection traffic control, signal operations and parking restrictions for two-way condition.

Task 4 will present recommendations for changes in a report for the City of Racine.

The engineering fees to prepare plans, specifications & estimates; as well as anticipated construction costs to make proposed changes are dependent on the outcome and decisions made from the TIA report. Engineering fees could vary and be as much as \$25,000 ~ \$75,000 depending on final recommendations and construction costs could vary from \$175,000 for signalized changes to five or six times that amount for major reconstruction of intersections for geometrics or roundabouts and associated land acquisition. This may also have an adverse affect on the schedule for the reconstruction of State Street (STH 38) – N. Memorial Drive to LaSalle Street, currently scheduled by the Wisconsin Department of Transportation for completion in 2010.

The amount of this proposal is a lump sum fee of \$19,000. If the committee approves entering into an agreement, the appropriate action would be to refer the item to the Finance & Personnel Committee for funding.

Cc: R. Jones