

RESOLUTION NO. ____

**A RESOLUTION AUTHORIZING EXECUTION OF AN AGREEMENT
BETWEEN THE VILLAGE OF DOWNERS GROVE
AND METRO TRANSPORTATION GROUP, INC.**

BE IT RESOLVED by the Village Council of the Village of Downers Grove, DuPage County, Illinois, as follows:

1. That the form and substance of a certain Agreement (the "Agreement"), between the Village of Downers Grove (the "Village") and Metro Transportation Group ("Metro"), for design plans and specifications for a traffic signal at Main and Franklin, as set forth in the form of the Agreement submitted to this meeting with the recommendation of the Village Manager, is hereby approved.

2. That the Village Manager and Village Clerk are hereby respectively authorized and directed for and on behalf of the Village to execute, attest, seal and deliver the Agreement, substantially in the form approved in the foregoing paragraph of this Resolution, together with such changes as the Manager shall deem necessary.

3. That the proper officials, agents and employees of the Village are hereby authorized and directed to take such further action as they may deem necessary or appropriate to perform all obligations and commitments of the Village in accordance with the provisions of the Agreement.

4. That all resolutions or parts of resolutions in conflict with the provisions of this Resolution are hereby repealed.

5. That this Resolution shall be in full force and effect from and after its passage as provided by law.

Mayor

Passed:

Attest: _____
Village Clerk



METRO TRANSPORTATION GROUP, INC.

1300 GREENBROOK BOULEVARD
HANOVER PARK, IL 60139-5409

TELEPHONE 630-211-1000

FAX 630-211-4227

WWW.METROTRANSPORTATION.COM

TRAFFIC ENGINEERING
TRANSPORTATION PLANNING
SIGNAL SYSTEMS DESIGN

*Note: Hand-written comments per
Village Legal Department review.*

November 5, 2001

Ms. Jane Gerdes
Assistant Director of Public Works, Engineering
Village of Downers Grove
801 Burlington Avenue
Downers Grove, Illinois 60515-4776

RE: Proposal for Traffic Engineering and Traffic Signal Design Services
Main Street and Franklin Street
Downers Grove, Illinois

Dear Ms. Gerdes:

Metro Transportation Group, Inc. (Metro) is pleased to present this proposal for the preparation of traffic engineering evaluations and traffic signal design in the vicinity of the intersection of Main Street and Franklin Street in Downers Grove, Illinois. Metro has prepared a scope of services for this project, and if accepted by you, this proposal will become an agreement between Metro Transportation Group, Inc. and the Village of Downers Grove (CLIENT) to provide the services outlined below.

PROJECT UNDERSTANDING

The Village of Downers Grove is requesting services for the preparation of traffic signal plans, specifications and estimates for the intersection of Main Street and Franklin Street. Services are also required for an evaluation of the impacts of this signal on the traffic volumes on Forest Avenue from Warren Avenue to Prairie Avenue. Further study is also being requested of the one-way eastbound operation of Franklin Street from Main Street to Highland Avenue.

Metro prepared a Central Business District Transportation Study which encompassed this area in 1997, and an analysis of the Main Street and Franklin Street intersection in October 2001 which indicated that the intersection warranted a traffic signal.

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electronic transfer or floppy disk in addition to a hard copy. The plans should be one file in .DWG, .DXF, .DGN format with all reference files in the base plan file. This file shall have two levels including the following information:

Level 1 - Existing Roadway Information

- Existing edge of pavement
- Existing face of curb
- Existing back of curb
- Existing pavement markings
- Existing Right-of-Way
- Existing centerline

Level 2 - Proposed Roadway Information

- Proposed edge of pavement
- Proposed face of curb
- Proposed back of curb
- Proposed pavement markings
- Proposed Right-of-Way
- Proposed centerline

Additional files requested

- General plan information - CADD file with all layers or levels.
- Survey information - CADD file with all layers or levels.
- Utility plan file - CADD file with all layers or levels.

Task 2 - Field Inspections

Metro will make field inspections to determine the location of the power source to provide electrical energy for the traffic signal installation. Metro will contact the power company to confirm the proposed service location. These inspections will also verify existing conditions and take place prior to the start of the traffic signal design plan preparation.

Task 3 - Intersection Traffic Signal Installation Plans

Metro, using the scaled (1" equals 20') plans and field inspection notes, will prepare the traffic signal plans. The plans will include the placement of traffic signal heads, pedestrian signal heads, conduits, handholes, emergency vehicle preemption light detectors, and controller cabinet. An additional plan sheet will include the sequence of operation phase diagram, emergency vehicle preemption sequence phase diagram, cable plan, chart for energy requirements, legends and schedule of quantities. These plans will conform to the requirements of the "Manual of Uniform Traffic Control Devices" and Illinois Department of Transportation (IDOT) standards.

Task 4 - Interconnect System

Metro will provide design plans for inclusion of the Franklin Street signals into the existing traffic signal interconnect system along Main Street. The closed loop



SCOPE OF SERVICES

Traffic Studies

Task 1 - Meetings

Metro will arrange and attend meetings with the Village staff to determine the concerns with respect to traffic on Forest Avenue and the one-way operation of traffic on Franklin Street east of Main Street.

Task 2 - Data Collection

Metro will compile existing available data related to the project. This will include a visit to the site for purposes of observing existing traffic operations and to gather current information regarding existing lanes, traffic controls, speed limits, and surrounding land uses. This effort is anticipated to be minimal due to the recent studies Metro has conducted in this area.

Metro will obtain weekday peak hour turning movement counts at the following intersections:

- Franklin Street/Highland Avenue
- Prairie Avenue/Highland Avenue
- Prairie Avenue/Main Street
- Prairie Avenue/Forest Avenue
- Forest Avenue/Franklin Street

These counts will include the times when school traffic is present. The existing counts from March 2001 will be used for the Main Street and Franklin Street intersection.

Task 3 - Traffic Analyses

Using trip distribution and traffic assignment analyses Metro will evaluate the traffic impact to Forest Avenue due to the installation of signals at Main Street and Franklin Street. In combination with this evaluation an analysis of both one-way and two-way operation on Franklin Street between Main Street and Highland Avenue will be made.

Task 4 - Recommendations

Recommendations regarding these two traffic issues will be provided to the Village.

Traffic Signal Plans

Task 1 - Plans

The CLIENT shall provide Metro with CADD files, which can produce scaled plans, to design the traffic signal installation and related signal items prior to the start of the traffic signal plan design. The CADD files shall be furnished via



system will include the conduit and handholes for the interconnect, the proposed sequence of operations phase diagram, emergency vehicle preemption phase diagram and cable diagram. A schematic diagram of the signal system will also be provided.

Task 5 - Standard Drawings

Metro will provide the required IDOT Highway Standards, traffic signal design standards, and mast arm mounted street name sign design standards.

Task 6 - Summary of Quantities Sheet

A summary of quantities sheet will be provided.

Task 7 - Specifications and Final Documents

Metro will provide special provisions, estimate of cost, and any required bid documents.

Task 8 - Traffic Signal Reoptimization

Following installation of the new signals at Main Street and Franklin Street Metro will reoptimize the closed loop system along Main Street from Prairie Avenue to Maple Avenue. This will include development of revised timing programs and their installation and field adjustment of the system.

COST OF SERVICES

Metro Transportation Group, Inc. will provide the engineering services described in this proposal for the following lump sum fees:

Traffic Analyses	\$ 3,600.00
Traffic Signal Design	\$12,000.00
Traffic Signal Interconnect Design	\$ 2,500.00
Traffic Signal System Reoptimization	<u>\$ 4,500.00</u>
	\$22,600.00

In addition to the professional services fees set forth above, Metro shall be compensated for reimbursable expenses such as printing, postage, messenger service, travel and other similar project-related items. ^①The CLIENT will be invoiced monthly for professional services and reimbursable expenses. The above financial arrangements are on the basis of prompt payment of invoices and the orderly and continuous progress of the project.

Additional work items will be billed according to the following rate schedule: ^②

Senior Management	\$ 145.00 - \$184.00
Principal	\$ 105.00 - \$145.00

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- ① The cost of services for this project shall not exceed the professional services fee set forth above.
- ② and must be authorized by the Village in writing prior to the commencement of any additional work.



Senior Consultant	\$ 75.00 - \$130.00
Consultant	\$ 65.00 - \$ 75.00
Technician	\$ 60.00 - \$ 70.00

SCHEDULE

Metro will initiate its services promptly upon receipt of CLIENT's acceptance of this proposal. Metro is committed to maintaining schedules as established for the project with the understanding that the Village requires the new signalized intersection to be operational by August 15, 2001.

2

MISCELLANEOUS CONTRACTUAL ITEMS

Metro will be available to assist beyond the work program outlined above. Additional work items will be performed at the CLIENT's request, documented and billed according to the rate schedule listed above plus reimbursement for direct expenses.

If there are protracted delays for reasons beyond Metro's control, an equitable adjustment of the above-noted compensation shall be negotiated, taking into consideration the impact of such delay on the pay scales applicable to the period when Metro's services are, if fact, being rendered.

The terms of this proposal are effective for a period of 90 days from the above date.

Metro Transportation Group, Inc. will comply with the Village's standard insurance requirements.



AUTHORIZATION

If this agreement is acceptable, please sign and return one (1) copy for our files. We appreciate your consideration of Metro Transportation Group, Inc. and look forward to working with the Village of Downers Grove on this project.

Sincerely,
METRO TRANSPORTATION GROUP, INC

Ronald G. Rude, P.E.
Principal

George M. Brown, P.E.
Vice President

ACCEPTED BY
VILLAGE OF DOWNERS GROVE

BY (Print): _____
BY (Signature): _____
TITLE: _____
DATE: _____