

RESOLUTION NO. 40-96
CITY OF CENTERVILLE, OHIO

SPONSORED BY COUNCILMEMBER BROOKS COMPTON ON THE
15th DAY OF JULY, 1996.

A RESOLUTION AUTHORIZING AND DIRECTING THE CITY MANAGER TO EXECUTE A CONTRACT BETWEEN THE CITY OF CENTERVILLE AND JONES-WARNER CONSULTANTS, INC. FOR THE PREPARATION OF DESIGN DRAWINGS FOR THE WIDENING OF EAST FRANKLIN STREET FROM APPROXIMATELY CENTERVILLE HIGH SCHOOL TO THE CLYO ROAD INTERSECTION.

WHEREAS, The City of Centerville requested proposals for the widening of East Franklin Street in the City of Centerville from approximately Centerville High School to the intersection of Clio Road, and

WHEREAS, Following a complete analysis of the proposals received, the proposal submitted by Jones-Warner Consultants, Inc. has been selected as the best bid.

NOW, THEREFORE, THE MUNICIPALITY OF CENTERVILLE HEREBY RESOLVES:

Section 1. The City Manager is hereby authorized and directed to do all things necessary to execute a Contract between the City of Centerville, Ohio, and Jones-Warner Consultants, Inc. for the preparation of design drawings for the widening of East Franklin Street from approximately the Centerville High School to the intersection of Clio Road in accordance with Exhibit "A" attached hereto and made a part hereof, in the total amount of \$26,520.00.

Section 3. This Resolution shall become effective at the earliest date allowed by law.

PASSED this 15th day of JULY, 1996.

Sally D. Beck
Mayor of the City of Centerville, Ohio

ATTEST:

Maureen J. Saughli
Clerk of Council of the City of Centerville, Ohio

CERTIFICATE

The undersigned, Clerk of Council of the City of Centerville, Ohio hereby certifies that the foregoing is a true and correct copy of Resolution Number 40-96, passed by the Council of the City of Centerville, Ohio, on the 15th day of JULY, 1996.

Maureen J. Saughli
Clerk of Council

Approved as to form, consistency
with the Charter and Constitutional Provisions.

Department of Law
Robert N. Farquhar
Municipal Attorney

Project Understanding

Jones-Warner Consultants, Inc. attempts to prepare a project understanding section for all proposals submitted. This permits the reviewer(s) to understand just what the proposal entails and the consultants knowledge of the project.

It is understood that the East Franklin Street widening project limits are from approximately the Centerville High School to the Clio Road intersection. It would involve roadway widening, reconstruction, drainage and possibly easements and signalization work. Also of concern is the creation of left hand turning lanes since none exist at the time.

The design would conform with ODOT standards with modifications according to the City of Centerville's desires.

The City presently has some topographical maps and a recent set of water line plans prepared by Woolpert Consultants in 1991. This information would be used to help prepare the preliminary submittal.

Initially, a start up meeting with the City of Centerville will be arranged . This is to make certain that all parties understand the intent of the project and the expected goals. Jones-Warner Consultants, Inc. also encourages, at minimum, monthly progress meetings to keep the project on track. A constant open line of communication is the only way to manage a project successfully and give the client the opportunity for project input. It also creates a sense of control and understanding for the client. With the schedule that is imposed and the possible alternatives that must be investigated with the client, these meetings will be a must.

Project research will have to be started immediately. This would involve looking at all of the available City records and talking to all utility companies including Montgomery County Sanitary Engineering.

A survey crew will need to layout the existing right of way along with obtaining all visible topographical features including utility locations marked by OUPS. Also cross sections will be taken every fifty(50) feet and wherever else deemed necessary. This field data will be placed on plan sheets along with any current information the City may have.

At this stage in the design process, preliminary lane configuration, suggested turning lanes and profiles will be prepared for review by the City. Every effort will be made to avoid easement acquisition and also to salvage the existing pavement.

It appears that the Thomas farm property will definitely require an easement. The other property that could have been of concern is the Franklin Woods Subdivision. The latest information available is that the property needed will be dedicated to the City. There is a potential problem

with a building on the south side of Franklin Street encroaching into the City's right of way which will have to be addressed.

Although it may not be the most desirable circumstance, it appears, initially, that the desired lane configuration may be attainable in the available right of way. This can be accomplished by shifting the pavement alignment in some areas.

Another item that needs to be investigated is the storm flow in the project area. Presently the drainage during heavy storms creates a problem. Therefore with the additional pavement involved in widening, the situation could be aggravated. The existing City topographical mapping will be used to make this evaluation. The drainage analysis could result in the design of a new outlet structure. The outlet design will be priced separately.

After the pavement alignment, laning, drainage and profiles are reviewed with all necessary parties, the final design drawings will be prepared. They will meet ODOT standards except where the City requires exceptions.

The design drawings will include cross section sheets, maintenance of traffic plans, necessary drainage design and stripping plans.

Also the City will receive all special details and technical specifications. An engineers opinion of probable cost will also be provided.

There has been an interest in some traffic signalization at Westpark Road and evaluation of and modification of the Clyo Road signal. The fees for this item will be listed separately if the service is required. This work will be performed by Richard Oaks and his resume is included in the proposal. A separate description of the traffic portion of the project is supplied on the next page.

Easements are also listed as a separate item in the proposal and will only be charged for on an as needed basis.

City of Centerville
East Franklin Street Widening
(Traffic)

A study for a traffic signal at Westpark Road and East Franklin St. would include making 24 hour synchronous gap counts on the eastbound and westbound approaches of East Franklin at Westpark, an approach hose count on southbound Westpark, a two hour manual turn count during the peak as indicated by the hose count data. This data would be used to determine if a signal is warranted per the requirements of the Ohio Uniform Traffic Control Manual. If a signal is installed, the data would be necessary to prepare the capacity calculations and preliminary signal timing. The synchronous gap counts would indicate if there are an adequate number of openings in East Franklin traffic for the Westpark traffic to safely enter. It is possible for none of the numerical signal warrants to be met and the traffic signal would be warranted based on this additional engineering information.

We are proposing to design a new signal at Westpark Road and Franklin Street and upgrade the signal at Clio Road and Franklin Street.

We will not be preparing specifications for a closed loop traffic system as part of the traffic signal designs. It would be desirable to include the installation of 4 inch schedule 40 plastic pipe as part of the roadway construction for future use to interconnect the signals.

It would be less expensive for the City to basically do a design build at the existing traffic signal if the traffic signal poles do not have to be relocated. If the poles are in the correct locations, the controller can be replaced and new signal heads and wiring installed by the traffic engineer directing the signal contractor in the field.

DESIGN COST CONTROL

Being able to truly control cost, is a monumental task for all types of business in today's economy. Professional engineering firms are not the exception. In fact, due to the present type of business environment, it has become even more of a problem for consulting firms to maintain a competitive overhead rate while recognizing a modest return. The larger the firm, the more prevalent the incidence of highly compensated non - production officers whose salaries must be covered by company overhead rates. Also, the larger the organization, the more difficult it is to control normal daily expenditures which then must be offset somewhere in the company's overhead factor. Another significant contributor to overhead cost is "administrative time and down time " which are not directly billable but make up a large portion of a company's overhead cost. This management dilemma has been worthy of keeping management consultants quite busy trying to help engineering consultants obtain the "magic formula."

Jones-Warner Consultants, Inc. feels they have found a successful way of providing fees that have very well controlled overhead factors included while providing an outstanding level of expertise and service. This process is multi-tiered and has been developed by the company using selective portions of concepts derived from several management philosophies and integrated with years of "hands on" management experience by the senior staff. As can be noted from the resumes the senior staff has considerable in-depth experience in management with nationally recognized organizations. These individuals know the impact uncontrollable overhead rates have on the attempt to maintain an attractive rate structure and how overall organizational size naturally dilutes the attempts at maintaining cost control. Therefore at Jones-Warner Consultants, Inc., the core design staff size has been kept relatively small and is still quite productive through the use of computer technology. The staff cross-section is comprised of senior professionals experienced in all facets of the business, each with a prime specialty, but with enough varied abilities to fill in other areas of the firm when needed. This eliminates considerably the incidence of "down-time" while waiting for particular projects to proceed. The management reports are designed specifically by the Jones-Warner Consultants, Inc. office manager specifically for project management purposes instead of trying to adapt a generic system that would cause the management staff to compromise project control. Reports are always current and due to the office managers years of experience with consulting engineers, the individual is able to guide and support the project managers project needs without any delay. Project costing is always kept current while at the same time internal expenditures are carefully scrutinized to eliminate waste while still permitting the inclusion of the latest in technology and staff continuing education.

When the occasion occurs where additional specialized staffing is need, Jones-Warner Consultants, Inc. employs the assistance of various smaller specialty firms to assist specifically on a particular project . These firms are normally well known for there expertise and have agreed in advance to collaborate for such occasions. They are reputable and required to carry all of the

normal insurances. The advantage to this procedure is that when the immediate project has concluded, the expenditures for this additional staff need concludes eliminating unnecessary overhead while still providing the requested service.

An equally important cost issue is the project money wasted due to changes caused by poor communication, which engineers are historically guilty. Jones-Warner Consultants, Inc. prides itself in this area and feels this is an area where the company excels. This is due to the strong responsibility felt towards the client. Company policy is that all projects have a start-up meeting with the client to set goals and then through the course of the project, usually weekly, the client is contacted with project updates. This serves several purposes; client relations, schedule and avoiding unnecessary changes.

By employing the discussed business concepts effectively in conjunction with the staffs depth of experience and the commitment to the client, Jones-Warner Consultants, Inc. is proud of the control that is has on overhead which in turn is passed on in cost savings to the client without sacrificing quality or service.

FEE PROPOSAL

Franklin Street Widening

Task	Classif.	Hours	Rate	Total
St. Up Meet	P.M.	4	\$70.00	\$280.00
St. Up Meet	Proj. Eng.	4	\$60.00	\$240.00
Research	Tech.	4	\$40.00	\$160.00
Field Work	Field Crew	48	\$85.00	\$4,080.00
Pre. Desgn.	Proj. Eng.	48	\$60.00	\$2,880.00
Drainage	Proj. Eng.	24	\$60.00	\$1,440.00
Review	Eng. II	6	\$70.00	\$420.00
Rev. Mts.	P.M.	6	\$70.00	\$420.00
Rev. Mts.	Proj. Eng.	6	\$60.00	\$360.00
Stripping	Proj. Eng.	8	\$60.00	\$480.00
MOT	Proj. Eng.	16	\$60.00	\$960.00
Final Des.	Proj. Eng.	40	\$60.00	\$2,400.00
Eng. Est.	Proj. Eng.	8	\$60.00	\$480.00
Tech. Specs.	Proj. Eng.	4	\$60.00	\$240.00
Review	Eng. II	8	\$70.00	\$560.00
				<u>\$15,400.00</u>
Easements Sketch and Description				\$120.00
Traffic Signal Study at Franklin and Westpark Rd-----				\$1,500.00
Traffic Signal Design at Franklin and Westpark Rd-----				\$4,000.00
Upgrade Signal at Clio Rd.-----				\$4,500.00
Storm Sewer Outlet-----				\$1,000.00

	PROJECT SCHEDULE				
	August	September	October	November	December
Start up meeting	X				
Research	--				
Field Work	-----				
Drainage Calc.	-----				
Preliminary design		-----			
Review Meeting			X		
Final Design			-----		
Engineers Est.				--	
Final Review(cty)				--	
Address Comts				--	
Submit Mylars					X (11/15/96)