

ORDINANCE NO. 1-95

BY: Richard F. Weber

An Ordinance to appropriate the sum of \$135,000.00 for professional engineering services related to the design and preparation of construction plans for the Broad and Main Street Signalization and Street Lighting projects, to authorize the contracting for said projects with Sticklen-Belsheim & Associates, and to declare an emergency.

BE IT ORDAINED BY THE COUNCIL OF THE CITY OF BEXLEY, OHIO:

Section 1. That the Mayor and Auditor are hereby authorized to enter into a contract, a copy of which is attached hereto and made a part hereof, with Sticklen-Belsheim & Associates for providing professional engineering services related to the design and preparation of construction plans for the Broad and Main Street Signalization and Street Lighting projects.

Section 2. That the amount of \$135,000.00 should be, and hereby is, appropriated and set aside from the General Fund to be used to provide professional engineering services pursuant to said contract, and that the contract shall not exceed this amount.

Section 3. That this Ordinance is an emergency Ordinance necessary for the immediate preservation of the public peace, health and safety, said emergency being the need to make timely applications for funding, and shall go into effect upon its passage and approval by the Mayor.

Passed: February 14, 1995

John M. Brennan  
President of Council

Attest: [Signature]  
Clerk of Council

Approved: 2/14, 1995

David H. Madison  
David H. Madison, Mayor

sticklen

January 10, 1995 - 1st reading  
Jan 24, 1995 - 2nd reading  
February 14, 1995 - 3rd reading  
- Adopted

December 8, 1994

Ms. Dorothy Pritchard  
Service Director  
City of Bexley  
2242 East Main Street  
Bexley, Ohio 43209

RE: East Main Street  
East Broad Street  
Signalization - Street Lighting Projects  
Preparation of Construction Plans and Documents

Dear Ms. Pritchard:

Sticklen-Belsheim & Associates is pleased to submit our proposal to provide the required Engineering Services for the design and preparation of construction contract plans and documents for new street lights and traffic signals on East Main Street and East Broad Street in Bexley.

The Ohio Department of Transportation programmed the construction of these projects with Federal Funds. Both projects are eligible for 100% federal funding for qualifying items. The Main Street project is programmed in the amount of \$1,698,550.00 in federal funds for construction in the 1995 fiscal year. The Broad Street project is programmed in the amount of \$1,173,000.00 in federal funds for construction in the 1996 fiscal year.

Sincerely,

**STICKLEN-BELSHEIM & ASSOCIATES**

Joseph A. Ridgeway, Jr., P.E.  
Partner

JAR:scj

Encl.

**PROFESSIONAL ENGINEERING SERVICES PROPOSAL**

**FOR**

**DESIGN & PREPARATION OF CONSTRUCTION PLANS  
FOR TRAFFIC SIGNALIZATION AND STREET LIGHTING IMPROVEMENTS  
FRA-MAIN STREET, PID 13896 PROJECT  
FRA-BROAD STREET, PID 13895 PROJECT  
BEXLEY, OHIO**

Prepared for  
**THE CITY OF BEXLEY**

By  
**STICKLEN-BELSHEIM & ASSOCIATES  
CONSULTING ENGINEERS  
COLUMBUS, OHIO**

**DECEMBER 1994**

O - TARGET DATE  
 X - CURRENT DATE

BROAD STREET  
 SCHEDULE

	94		95												96								
	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9
Plan Development																							
Final Tracings on File																X	O						
R/W Clearance Certified						X																O	
P.S&E Prepared and Ready for Letting																		X				O	
Construction Contract Sold and Awarded																						X	O
Plan Preparation																							
Survey		—																					
Develop Plan Sheets			—																				
Preliminary/F&OC Plans				—	—	—	—																
Review							—	—	—														
F&OC Plans										—													
Review												—	—	—									
Final Plans																	—						

#### PURPOSE:

The purpose of this proposal is to express interest in providing the engineering services required for the design and preparation of construction plans, specifications and contract documents for two (2) traffic signalization, and street lighting projects in the City of Bexley.

The first project is FRA-Main Street, PID 13896, from Alum Creek (just west of Parkview Avenue) to Gould Road. It includes the eight (8) signalized intersections of Parkview Avenue, College Avenue, Drexel Avenue, Pleasant Ridge Avenue, Cassady Avenue, Cassingham Road, Remington Road and Roosevelt Avenue.

The second project is FRA-Broad Street, PID 13895, from Alum Creek (just east of Nelson Road) to Gould Road. It includes the five (5) signalized intersections of Parkview Avenue, Drexel Avenue, Cassady Avenue, Cassingham Road and Roosevelt Avenue.

Both projects are eligible for 100% federal funding for qualifying items and have been program by the Ohio Department of Transportation. The Main Street Project is programmed for fiscal year 1995 construction funds and the Broad Street project is programmed for fiscal year 1996 funds. The current ODOT schedule indicates that the construction contracts are to be awarded for both projects in July of 1996. To accomplish this the plans must be prepared and approved by ODOT in January 1996.

#### SCOPE OF SERVICES:

The signal plans, street lighting plans, specifications and details will comply with Ohio Department of Transportation (ODOT) standards. They will be prepared in a format acceptable to ODOT and compatible with ODOT's plan review process. The plans will include all elements required by the City and ODOT for the construction of the proposed signal and street lighting projects.

All plans and specifications will be computer generated providing the best opportunity for reproduction. Final plans will be plotted in ink on 24" X 36" mylar sheets using Auto Cadd.

The plans will include plan views showing existing features, strain pole locations, street light locations and will be at the scale 1 to 200 in metric units. Plans shall also include phasing, timing and wiring diagrams; signal pole and street light details, together with other details to set forth a complete construction plan with notes that are necessary for the construction.

The plans and specifications will be prepared and assembled in a format so that each project can be sold separately by the Ohio Department of Transportation.

The base intersection plans will be prepared using a combination of the Franklin County Auditors Maps and roadway construction plans on file with the City of Bexley.

We will furnish a detailed Estimate of Quantities. These quantities will be included on the plan sheets and will be in a format suitable for being included in the bidding and contract documents.

We will show all overhead and underground utilities on our plans including gas, electric, telephone and cable T.V. We will use plans available thru the City to initially identify their location. We will confirm these locations thru the standard utility location procedure.

We expect the City to furnish an electronic map including each of the intersections included in the project. This map(s) would be provided to the City of Bexley by the County Auditor at no cost. We will prepare the request to the Auditor.

We will expect the City to furnish us with all plans that are on file that pertain to these intersections. We will make copies of these drawings and return the originals to the City.

#### COMPENSATION:

Sticklen-Belsheim & Associates proposes to perform the Engineering Services required for this project and as described in this proposal on a "Cost Plus" basis with a maximum fee not to exceed. We will charge on an hourly basis for our services including costs for direct payroll, office overhead, computer time, transportation, general office operations and profit for our services.

Any services requested and authorized by the City that are in addition to the items contained in the scope of services will be billed on an hourly basis which will be in addition to the "Maximum Fee."

Reimbursable expenses such as any subconsultant work incurred in conjunction with all basic and additional services will be invoiced to the City on the basis of actual costs.

The City of Bexley will be invoiced periodically for services rendered and reimbursable expenses. The above financial arrangements are on the basis of prompt payment of our bills and the orderly and continuous progress on the work requested.

Our services will be available upon the City's acceptance of this proposal and receipt of a written authorization to proceed.

Estimated costs for the above described Engineering Services are summarized as follows:

ESTIMATED ENGINEERING SERVICE FEE

FRA-Main Street, PID 13896 Project

Development of Base Plan Sheets to indicate existing conditions and to be used for construction plan development	\$ 5,500.00
Signal Design 8+1 = 9 intersections Plan Sheets + Intersection Details	36,000.00
Specifications, General Notes and Construction Details:	3,000.00
Street Lighting Design (By Sub Consultant)	21,546.00 *
Cost Estimates	1,200.00
Plan Review with ODOT	1,100.00
Plan Management and Coordination	3,600.00
Selection of Equipment and Hardware	2,200.00
<b>SUB-TOTAL MAIN STREET</b>	<b>\$74,146.00</b>

FRA-Broad Street, PID 13895 Project

Development of Base Plan Sheets to indicate existing conditions and to be used for construction plan development	5,500.00
Signal Design 5+1 = 6 intersections Plan Sheets + Intersection Details Specifications, General Notes and Construction Details	24,000.00
Street Lighting Design (By Subconsultant)	21,546.00 *
Cost Estimates	1,200.00
Plan Review with ODOT	1,100.00
Plan Management and Coordination	3,600.00
Selection of Equipment and Hardware	2,200.00
<b>SUB-TOTAL BROAD STREET</b>	<b>\$59,146.00</b>

**MAXIMUM TOTAL FEE, MAIN STREET AND BROAD STREET \$133,292.00**

\*Assumes plans are prepared simultaneously for both Broad and Main Streets.

**BILLING RATES:**

The following wages and rates will serve as the basis for our hourly charges:

STICKLEN-BELSHEIM & ASSOCIATES		AVERAGE HOURLY RATE
Project Director & Manager		\$ 31.25
Project Engineer		23.00
Design Engineer/EIT		16.00
Technician/CADD Operator		14.00
Secretary		10.00

OVERHEAD RATE %     150

PROFIT %                15

To assist us in this project we expect the City to obtain an electronic map for this area from the Franklin County Auditor. This service is provided free of charge to municipalities by the Auditor. We would prepare the request to obtain this map. We would also expect the City to furnish us with any drawings or records related to the existing signal control equipment that they might have on file.





## **INFORMATION ABOUT STICKLEN-BELSHEIM & ASSOCIATES**

### **BACKGROUND:**

Sticklen-Belsheim and Associates is a partnership engaged in the practice of engineering. The firm's offices are located at 1050 Kingsmill Parkway, Columbus, Ohio 43229, telephone number: 614-885-5353.

Sticklen-Belsheim and Associates has provided a wide range of Consulting Engineering Services to public and private agencies for numerous projects throughout Ohio since 1962.

### **PROFESSIONAL SERVICES:**

Sticklen-Belsheim and Associates provides professional engineering services in the following areas:

- STREETS & HIGHWAYS
- BRIDGES
- TRAFFIC ENGINEERING
- WATER LINES
- SANITARY AND STORM SEWERS
- STREET LIGHTING

The firm's practice is varied with an extensive background in the areas of Streets and Highways, Bridges, Traffic Engineering, Waterlines, Sanitary Sewers, Storm Sewers, and Street Lighting. In these areas we prepare detailed design plans and specifications. Additionally in the area of Streets and Highways we provide feasibility studies, design studies, environmental documentation, and intersection improvement studies and design. In the area of Bridges we provide waterway hydraulic studies, environmental documentation, and bridge inspection. In the area of Traffic Engineering we provide traffic studies, traffic access and impact studies, signal warrant analysis, signal design, closed loop systems design, signal and system timing, pavement marking design, signing design, and parking studies and design. In the area of Street Lighting we provide sufficiency studies, and lighting design. In the area of Waterlines we provide layout and design, and storage facility design. In the areas of Sanitary Sewers and Storm Sewers we provide hydraulic analysis.

#### MISSION:

Sticklen-Belsheim and Associates stands behind three ideals, PRIDE, SERVICE and PERSONAL ATTENTION.

Sticklen-Belsheim & Associates takes pride in the quality of service we provide our clients. Serving our clients well results in a quality project that both the owner and our firm can take pride in. Our clients have direct contact with our personnel participating in their project. Each project is under the direction and supervision of one or more partners and a designated project engineer. As a Consulting Engineering firm, we endeavor to provide competent Professional Engineering design services that will meet the client's requirements, to be accessible and responsive to the client's goals during the development of a project, and to develop contract plans and specifications that will allow a project to be properly and economically constructed.

#### PERSONNEL:

All of our engineering design work is performed in our office located at 1050 Kingsmill Parkway, Columbus, Ohio 43229.

Each of our key design and support personnel have a varied background of engineering and managerial experience, contributing their personal expertise and leadership to every project as required. Architectural, mechanical, and electrical expertise from local firms have been utilized where required.

#### COMPUTER AIDED DESIGN AND DRAFTING (CADD):

Sticklen-Belsheim and Associates is committed to developing and expanding its up to date computer operations for engineering analysis, design, applications and drafting. These capabilities allow us to obtain the highest level of efficiency and enable us to produce a product of the highest quality.

Sticklen-Belsheim & Associates recognizes that a computerized data base is the key to fast and accurate development of all plans, and as such, prepares all drawings using CADD. By utilizing ServCad software, a state of the art digital terrain modeling software package, Sticklen-Belsheim & Associate can quickly and effectively assimilate aerial survey data into three dimensional CADD files. These three dimensional CADD files are used for project coordinate geometry, profile development and cross sections. These three dimensional files are also translated into two dimensional files for use as base maps. The two dimensional files provide a common base map for development of roadway and bridge alternatives providing a timely and cost effective means of plan preparation and study.

In addition to the ServCad capability, Sticklen-Belsheim & Associates also uses PC based AutoCad to prepare all preliminary plans. Due to Sticklen-Belsheim & Associate's commitment to CADD, several in house computer routines have been developed to expedite the design and detail process for plan preparation.

Sticklen-Belsheim and Associates currently has 12 work stations with the capability to perform engineering and drafting applications. These stations contain a total of 123,552 kilobytes of base memory and 1870 megabytes of hard disk storage.

Sticklen-Belsheim & Associates has complete capabilities to utilize software for all engineering applications. Our associates have a working knowledge of numerous software programs to perform the analysis and design for Surveys, Highway, Bridges, Traffic and Transportation projects. CADD software is very important; however, Sticklen-Belsheim & Associate's greatest CADD asset is our experienced team of operators. Because the majority of our engineers and technicians work directly on CADD terminals we have developed has produced a highly efficient design and detailing team.

#### GEOGRAPHICAL INFORMATION SYSTEM (GIS):

Geographical Information Systems are an extremely important tool to complete engineering projects. GIS is a computer database containing geographic information such as roadway location, roadway features, elevation contours, building locations and property lines which are identified to a geographic coordinate system. Sticklen-Belsheim & Associates utilizes GIS whenever available to study, plan and design projects.

#### AFFIRMATIVE ACTION:

Sticklen-Belsheim & Associates fully subscribes to the affirmative action goals as established by the State of Ohio. The firm pledges to research and utilize firms for subcontract services where applicable to meet the utilization goals of disadvantaged business enterprises.

#### PREQUALIFIED WITH THE OHIO DEPARTMENT OF TRANSPORTATION:

Sticklen-Belsheim & Associates is prequalified with the Ohio Department of Transportation (ODOT) to provide complex roadway design, major bridge design and minor bridge inspections, traffic signal design and signal systems. Our firm currently has an above average performance rating with ODOT that is based on periodic and systematic plan reviews.

## **EXPERIENCE:**

The following is a description of some of the traffic related projects that Sticklen-Belsheim & Associates has completed.

### GENERAL:

**TRAFFIC ENGINEERING SERVICES:**      **LOCATION:** Bexley, Ohio  
**CLIENT:** City of Bexley

Perform Traffic Engineering Services on an as needed basis. Support the Mayor and Service Director when requested on various traffic and parking issues. Work to date has included parking and circulation plans for Jeffery Mansion, the City's major recreation complex; applying for the installation of noise walls along I-670; speed and traffic control studies on College Avenue; and a traffic control and circulation plan in the area of Vernon Avenue just south of Main Street.

**TRAFFIC ENGINEERING SERVICES:**      **LOCATION:** Whitehall, Ohio  
**CLIENT:** City of Whitehall

Perform Traffic Engineering Services on an as needed basis. Support the Service Department Staff when requested on traffic issues such as traffic signal timing, pavement markings and traffic signage. Work to date has included the review of traffic signal operations for the traffic signals on East Broad Street, one at the Holiday Lanes Bowling Alley and the second on Hamilton Road at EBCO Mfg. It has included the adjustment of loop detectors and the timing of the controller at Hamilton and Broad. The project includes the warrant analysis for all signalized intersections on Broad Street, Main Street and Hamilton Road to justify their inclusion in the City of Columbus Computerized Signal System, a Federally Funded Project.

**TRAFFIC ENGINEERING SERVICES:**      **LOCATION:** New Albany, Ohio  
**CLIENT:** Village of New Albany

Perform Traffic Engineering Services on an as needed basis. Support the Village Administrator and City staff on traffic issues. Work to date has included the review of traffic studies and volumes prepared for the New Albany Company by MS Consultants, and adjustments to the operation and timing of existing traffic signals.

**TRAFFIC ENGINEERING SERVICES:**      **LOCATION:** Upper Arlington, Ohio  
**CLIENT:** City of Upper Arlington

Perform Traffic Engineering Services on an as needed bases. Support the Service Department Staff and the City Manager when requested. Assist in the planning and programming to obtain Federal Funds for a closed loop Computerized Signal System.

### PLANNING AND PROGRAMMING:

**EAST MAIN STREET AND EAST BROAD STREET TRAFFIC SIGNALIZATION AND STREET LIGHTING:**      **LOCATION:** Bexley, Ohio  
**CLIENT:** The City of Bexley, Ohio

Sticklen-Belsheim conducted the planning and prepared the programming forms to obtain Federal Funds for the signalization, street lighting projects through the Mid Ohio Regional Planning Commission and the Ohio Department of Transportation.

## TRAFFIC STUDIES:

**W. STROOP ROAD FEASIBILITY STUDY: LOCATION: Kettering, Ohio  
CLIENT: City of Kettering**

This study involved the review of traffic accident data, speed studies, various traffic engineering data, and reports in order to recommend the type of improvement needed for a section of Stroop Road in Kettering, Ohio. It involved assistance to the Traffic Engineering and Service Department Staffs to prepare for public meetings with area residents and attendance at Public Involvement and City Council Meetings by Sticklen-Belsheim personnel.

**SAWMILL ROAD TRAFFIC OPERATIONS ANALYSIS PROJECT:  
LOCATION: Columbus, Ohio  
CLIENT: Ross Development Corp., Cortland, Ohio**

Sticklen-Belsheim performed this study to evaluate the effect of the proposed removal of a traffic signal on Sawmill Road in Columbus. The signal currently serves the Meijer's discount store on the west side of Sawmill Road. The study evaluated proposed roadway changes that would allow the signal to serve the Target discount store and adjacent facilities located on the east side of Sawmill Road.

## TRAFFIC IMPACT AND ACCESS STUDIES:

**CHANTRY DRIVE SHOPPING CENTER, TRAFFIC IMPACT ANALYSIS:  
LOCATION: Columbus, Ohio  
CLIENT: Ross Development Corp., Cortland, Ohio**

Sticklen-Belsheim prepared this traffic impact analysis to evaluate the effect on traffic of the development of a 200,000 square foot shopping center. The purpose of this study was to evaluate and identify roadway needs to handle the additional traffic generated by the center. The center is to be located on the far east side of Columbus, south of I-70 and west of Brice Road.

**LINTNER PARCEL, TRAFFIC ACCESS AND IMPACT ANALYSIS:  
LOCATION: Columbus, Ohio  
CLIENT: T&R Properties, Worthington, Ohio**

Sticklen-Belsheim prepared this traffic access and impact analysis to evaluate the effect on traffic of a large office and residential complex. The complex included 26 acres of office park development and the construction of 738 single family units.

**LENNOX TOWN CENTER DEVELOPMENT, TRAFFIC ACCESS ANALYSIS:  
LOCATION: Columbus, Ohio  
CLIENT: The Don M. Casto Organization**

Sticklen-Belsheim prepared this traffic access analysis to establish an entrance-egress and driveway plan to serve the center. It addressed the related traffic control and traffic signalization needs. It also addressed and identified needs for the adjacent roadway needs for the adjacent roadway system. The project involves the redevelopment of a large industrial complex into a 37.5 acre retail, commercial, electric and entertainment complex. The site is located immediately northwest of the Columbus Central Business District.

**COMPUSERVE TRAFFIC IMPACT STUDY:**

**LOCATION:** Upper Arlington, Ohio  
**CLIENT:** City of Upper Arlington

The Traffic Impact Study for the City of Upper Arlington evaluated the effect of the development of a new facility for Compuserve on approximately 30 acres west of Sawmill Road between Bethel Road on the North and Henderson Road on the South. It addressed roadway issues and concerns and suggestions made by area residents to control and regulate traffic flow. It included traffic volume projections, intersection capacity calculations and preliminary roadway and traffic signal designs.

**COOKERS-DUBLIN, TRAFFIC IMPACT STUDY:**

**LOCATION:** Dublin, Ohio  
**CLIENT:** Cookers, Columbus, Ohio

Sticklen-Belsheim & Associates prepared a Traffic Impact Study to evaluate the effects of the Development of a Cooker's Restaurant on SR-161 at Frantz/Post Road on the adjacent street network.

**VILLAGES AT SYCAMORE CREEK, TRAFFIC IMPACT STUDY:**

**LOCATION:** Fairfield County, Ohio  
**CLIENT:** Sycamore Creek Partnership  
Columbus, Ohio

Sticklen-Belsheim prepared a traffic impact study to determine the effect of a large residential development on the adjacent roadway system in Violet Township in Fairfield County, Ohio. The complex to be developed on 259 acres included 700 single family homes, 176 multi-family units and a retail complex.

**HOLT ROAD RESIDENTIAL DEVELOPMENT, TRAFFIC IMPACT STUDY:**

**LOCATION:** Columbus, Ohio  
**CLIENT:** Dehlendorf and Company  
Blacklick, Ohio

Sticklen-Belsheim prepared a traffic impact study to determine the effect of a large residential development of 765 single family dwelling units on the adjacent roadway system.

**SIGNAL WARRANT ANALYSIS: CITYWIDE - 23 SIGNALIZED INTERSECTIONS**

**LOCATION:** Whitehall, Ohio  
**CLIENT:** City of Whitehall

Conduct a warrant analysis of 23 signalized intersections as part of the programming process to obtain Federal Funds to interconnect signals into the City of Columbus closed loop computerized signal system. (This is part of Traffic Engineering Services provided to the City of Whitehall).

**SR-13 AND HOPEWELL DRIVE, SIGNAL WARRANT ANALYSIS**

**LOCATION:** Heath, Ohio  
**CLIENT:** City of Heath

Conduct a warrant analysis including a study of accident experience to determine if a traffic signal is justified at the intersection of SR-13 and Hopewell Drive.

## TRAFFIC SIGNAL AND TRAFFIC CONTROL DESIGN:

### DORSET ROAD & SR-718: TRAFFIC SIGNAL PLANS AND SPECIFICATIONS:

LOCATION: Miami County, Ohio

CLIENT: Eriksson Engineering, Columbus, Ohio

As a subconsultant to Eriksson Engineering, Sticklen-Belsheim prepared the traffic signal construction plans and specifications for this traffic signal installation to be included in a roadway project.

### US-36 & LOONEY ROAD: TRAFFIC SIGNAL PLANS AND SPECIFICATIONS:

LOCATION: Piqua, Ohio

CLIENT: Eriksson Engineering, Columbus, Ohio

As a subconsultant to Eriksson Engineering, Sticklen-Belsheim prepared the traffic signal construction plans and specifications for this traffic signal installation to be included in a roadway project.

### CANNON DRIVE TRAFFIC SIGNALS, THE OHIO STATE UNIVERSITY:

PROJECT: The Ohio State University, Columbus, Ohio

CLIENT: Eriksson Engineering Ltd., Columbus, Ohio  
for the Ohio State University

As a subconsultant to Eriksson Engineering, Sticklen-Belsheim prepared the traffic signal construction plans and specifications for four signalized intersections on Cannon Drive and John Herrick Drive. These four signals are interconnected to the University's closed loop computerized signal system. The signal plans and specifications were included with the roadway construction plans prepared by Eriksson Engineering.

### PHILLIPI ROAD IMPROVEMENT:

LOCATION: Franklin County, Ohio

CLIENT: The Franklin County Engineer

Sticklen-Belsheim designed and prepared roadway construction plans and specifications for a section of Phillippi Road north of West Broad Street. It includes the design and preparation of plans and specifications for traffic signs and pavement marking and the installation of three fully actuated signal installations. It includes the installation of a closed loop computerized signal system with an on street master and central office monitor.

### TRAFFIC SIGNAL DESIGN, BEL-40-20.32:

LOCATION: St. Clairsville, Ohio

CLIENT: Street Engineering and Surveying  
St. Clairsville, Ohio

Sticklen-Belsheim & Associates prepared the Traffic Signal Plans and Specifications for three intersections included in a roadway construction project.

### GRE-35-1.10 REHABILITATION:

LOCATION: Greene County, Ohio

CLIENT: The Ohio Department of Transportation

Prepared Construction Plans and Specifications for the reconstruction of 8.5 miles of State Route 35 to meet expressway standards. This includes 11 at-grade intersections, 4 bridges and widening a 3' median to 10'. The project includes the preparation of plans and specifications signal work at 5 intersections. It also includes the preparation of signing plans, pavement marking plans and maintenance of traffic plans.



**KEY PERSONNEL:**

Sticklen-Belsheim will be responsible for the completion of this project with the following key personnel assigned.

Project Manager:  
Assistant Manager:  
Key Personnel:

Joseph A. Ridgeway, Jr., P.E.  
Alden M. McGee, P.S.  
Dean A. Morrison, E.I.T.  
David G. Krock, E.I.T.  
Andrew T. Holton, E.I.T.  
Valerie D. Klingman, P.S.

Resume's of key personnel are attached for your reference. Other personnel will be assigned to the project based on the tasks required.

# **STICKLEN-BELSHEIM & ASSOCIATES**

CONSULTING ENGINEERS

## **JOSEPH A. RIDGEWAY JR. P.E.**

Partner

Manager, Traffic Engineering Department

### **SUMMARY OF QUALIFICATIONS:**

Mr. Ridgeway joined Sticklen-Belsheim & Associates in 1992 as a Partner in charge of the firm's Traffic Engineering Department. He has extensive experience in the field of Traffic and Transportation Engineering. Before joining the firm he was employed by the City of Columbus for 31 years where he was appointed to successively challenging positions. He began his career as a Traffic Engineering Assistant while attending The Ohio State University. In 1963 he was appointed to the position of Traffic Signal Engineer, later to the position of Traffic Operations Engineer, and in 1971 to the position of Assistant Chief Traffic Engineer. He was appointed City Engineer in 1984 and then Director Of Public Service in 1989. The position he held until his retirement from the City in 1992. Mr. Ridgeway served on the Board of the Mid Ohio Regional Planning Commission (MORPC) from April of 1989 until November of 1992. During 1992 he served as Chairman of MORPC.

### **EDUCATION:**

Bachelor of Civil Engineering, The Ohio State University, 1962

Traffic Institute of Northwestern University , 1964

### **PROFESSIONAL REGISTRATION:**

Professional Engineer - Ohio and Florida

### **BOARDS AND COMMISSIONS:**

- Solid Waste Authority of Central Ohio
- Development Committee for Central Ohio
- Past Board Member and Chairman of the Mid Ohio Regional Planning Commission (MORPC).

### **PROFESSIONAL ACTIVITIES:**

- International Institute Of Transportation Engineers; active in the Ohio Section where he served as President, Vice President, Secretary, Treasurer and Director, and for District 3 served as Secretary. Served as Chairman of the Ohio Section Uniformity Committee, responsible for guiding the adoption of standards to be included in the "Ohio Manual of Uniform Traffic Control Devices for Streets and Highways".
- National Society of Professional Engineers
- Ohio Society of Professional Engineers
- American Society of Highway Engineers
- American Public Works Association
- Columbus Engineers Club

### **AWARDS:**

- Outstanding Civil Engineering Alumni Award, 1991  
Presented by The Ohio State University Civil Engineering Alumni Association
- Outstanding Civil Engineer of the Year, 1990  
Presented by the American Society of Civil Engineers, Central Ohio Section
- Engineer of the Year, 1988  
Presented by the City of Columbus

# **STICKLEN-BELSHEIM & ASSOCIATES**

CONSULTING ENGINEERS

**JOSEPH A. RIDGEWAY, JR., P.E.**

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## **PROFESSIONAL HISTORY:**

NOVEMBER 1992 TO DATE; Sticklen-Belsheim & Associates  
Project Manager and Traffic Engineer.

- Responsible for the development of Traffic Signal and Traffic Control Construction plans for Highway Projects.
- Prepares design reports, traffic access reports, impact studies, and miscellaneous traffic studies.
- Assists in marketing professional services and preparing engineering services.

JUNE 1989 to NOVEMBER 1992; City of Columbus, Department of Public Service,  
DIRECTOR OF PUBLIC SERVICE.

- Directed the operations of the Division of Engineering and Construction, The Division of Traffic Engineering and Parking, the Division of Construction Inspection, the Division of Refuse Collection, and the Division of Fleet Management.
- Was responsible for overseeing the largest roadway construction, reconstruction, and resurfacing program in Columbus history.
- Implemented various programs, procedures, and policies to improve the operations of the divisions.

DECEMBER 1984 to JUNE 1989; City of Columbus, Division of Engineering and  
Construction,  
CITY ENGINEER.

- Directed and Administrated the Operations of the Division.
- Reorganizes the Division to improve effectiveness and efficiency.
- Revised the snow removal operations to reduce response time and to improve efficiency.
- Cleaned up and improved the layout and the facilities of the maintenance yard to improve operations and employee morale.
- Obtained significant federal funds for various roadway projects.

JUNE 1961 to DECEMBER 1984; City of Columbus, Division of Traffic Engineering and  
Parking,

ASSISTANT CHIEF TRAFFIC ENGINEER (June 1971 - December 1984),

- Responsible for administering the day to day operations of the Division.
- Responsible for overseeing the installation of the Central Business District Computerized Signal System.

SIGNAL ENGINEER (June 1963 - December 1965 and February 1967 - June 1971),

- Created and managed the Signal Section that became a major engineering unit of the Division.
- Responsible for the design, installation, and maintenance of traffic signals.
- Developed conceptual plans and specifications for the computerized signal system for the City of Columbus.
- Authored signal specifications and developed typical design details.

OPERATIONS ENGINEER (December 1965 - February 1967).

- Manager of Signing and Pavement Marking Section, a major engineering unit of the Division.
- Responsible for the design installation, and maintenance of signs, pavement markings, and parking meters.
- Pioneered and implemented the concept of channelized left-turn lanes and two way center left turn lanes to significantly increase capacity and safety of city streets.

TRAFFIC ENGINEERING ASSISTANT (June 1961 - June 1963),

- Designed and installed traffic signal timing, and signal system timing.

# **STICKLEN-BELSHEI & ASSOCIATES**

**CONSULTING ENGINEERS**

## **ALDEN M. McGEE, P.S.**

Partner

STICKLEN - BELSHEIM & ASSOCIATES CONSULTING ENGINEERS

### **EDUCATION:**

Ohio State University, 1957, 1974 and 1981

Franklin University, 1959 and 1960

### **PROFESSIONAL REGISTRATION:**

Professional Surveyor - Ohio

### **PROFESSIONAL ACTIVITIES:**

- Professional Land Surveyors of Ohio, Treasurer for State Organization, 1981 and 1982;  
President Elect 1983, President of State Organization 1984;
- National Society of Professional Surveyors.
- American Congress of Surveying and Mapping;
- Engineer's Club of Columbus;
- American Society of Highway Engineers;
- Ohio Association of Consulting Engineers;
- American Consulting Engineers Council.

### **AWARDS:**

- Outstanding Member of the Year 1986, presented by Professional Land Surveyors of Ohio

### **PROFESSIONAL HISTORY:**

1975 TO DATE; Sticklen-Belsheim & Associates

#### **PARTNER**

- Responsible for all right-of-way plan preparation and field surveys; coordination of detail plan development and contract administration; and marketing professional services.

1962 TO 1975; Sticklen-Belsheim & Associates

#### **HIGHWAY DESIGN TECHNICIAN**

- Preparation of ODOT and City/County roadway project plans.

1957 TO 1960 . . Yule, Sticklen, Jordan & McNee, Columbus, Ohio.

#### **HIGHWAY DESIGN TECHNICIAN**

- Preparation of ODOT and City/Couty roadway project plans.

### **MILITARY SERVICE:**

U.S. Army Engineers

Ft. Leonard Wood, Missouri. Heavy Equipment School.

**STICKLEN-BELSHEL & ASSOCIATES**  
CONSULTING ENGINEERS

**ALDEN M. McGEE, P.S.**

**PAGE 2**

**BOARDS AND COMMISSIONS**

- Ohio State University Surveying and Mapping Industry Advisory Board  
Chairman 1990-1993
- Ohio State Board of Registration for Professional Engineers and Surveyors  
Chief Monitor of Survey Examinations
- Ohio State Board of Registration for Professional Engineers and Surveyors  
Education Committee
- Muskingum Area Technical College  
Advisory Board
- Center for Mapping, Ohio State University  
Planning/Advisory Committee
- National Society of Professional Surveyors  
Board of Governors
- National Society of Professional Surveyors  
Education Committee
- Great Lakes Regional Council of Professional Surveyors  
Chairman 1992-1993
- Franklin County Auditor's Geographic Information System  
Engineers and Surveyors Task Force

**STICKLEN-BELSHEIM & ASSOCIATES**  
CONSULTING ENGINEERS

**DEAN A. MORRISON**  
Traffic Engineer

**EDUCATION:**

Bachelor of Science in Civil Engineering, Penn State University, 1993.

**PROFESSIONAL ACTIVITIES:**

- Institute of Transportation Engineers - International Chapter.
- Institute of Transportation Engineers - Ohio Chapter.

**PROFESSIONAL HISTORY:**

APRIL 1994 to DATE; Sticklen-Belsheim & Associates

- Prepares traffic signal plans for highway projects.
- Prepares impact studies, signal warrant analysis, and other miscellaneous traffic studies.
- Prepares pavement marking and traffic signing plans.

1993 TO 1994; The Pennsylvania Transportation Institute

- Conducted research to propose countermeasures for intersections with high accident rates
- Conducted numerous traffic counts including the setup of automated counters (highstars)
- Conducted research of deficiencies regarding highway median design as it relates to truck off-tracking and developed suggested alternate median designs.

**STICKLEN-BELSHEIM & ASSOCIATES**  
**CONSULTING ENGINEERS**

**DAVID G. KROCK**

Highway Engineer

**EDUCATION:**

Bachelor of Science in Civil Engineering, Ohio State University, 1992.

**PROFESSIONAL REGISTRATION:**

EIT Certificate

**PROFESSIONAL HISTORY:**

1992 TO DATE; Sticklen-Belsheim & Associates

- Responsible for detail design and plan preparation for highway and street projects within the State of Ohio.
- Prepares pavement marking and traffic signing plans.
- Prepares maintenance of traffic plans for roadway projects.

1992; International Paper Company

PLANT ENGINEER

- Focus of responsibility on foundation design.

1991 TO 1992; ODOT, Bureau of Research & Development

- Gathered field data for research engineers.

SUMMER 1991; Rudolph-Libbe

PROJECT ENGINEER

- Coordination of bridge projects.

CONSTRUCTION ESTIMATOR

- Provided quantity takeoffs

SUMMER 1990; ODOT, Bureau of Research & Development

- Gathered field data for research engineers.

SUMMER 1989; ODOT, District 2

SUMMER INTERN

- Performed site inspections.

**STICKLEN-BELSHEIM & ASSOCIATES**  
CONSULTING ENGINEERS

**ANDREW T. HOLTON**

Highway Engineer

**EDUCATION:**

Bachelor of Science in Civil Engineering, The University of Cincinnati, 1991 concentration in Water Resources.

**PROFESSIONAL HISTORY:**

1993 TO DATE; Sticklen-Belsheim & Associates

**ENGINEER INTERN**

- Involved in highway and street drainage and storm sewer design.
- Conducts traffic engineering studies

1993; Curry, Willis & Grove

**INSTRUMENT OPERATOR**

1991 TO 1992; L. J. Keefe Company

**ASSISTANT FIELD OPERATIONS MANAGER**

- Responsible for setting Line & Grade for casing pipe from 12" to 60" and RCP from 42" to 96"; set profiles and calculated blocking for carrier pipe; Responsible for time keeping of field employees and purchasing materials for projects.



**STICKLEN-BELSHEIM & ASSOCIATES**  
CONSULTING ENGINEERS

**VALERIE D. KLINGMAN, P.S.**

Cadd Design Technician

**EDUCATION:**

Bachelor of Science in Surveying, The Ohio State University, 1985

**PROFESSIONAL REGISTRATION:**

Professional Surveyor - Ohio

**PROFESSIONAL ACTIVITIES:**

•Professional Land Surveyors of Ohio

**PROFESSIONAL HISTORY:**

1985 TO DATE; Sticklen-Belsheim & Associates

**RIGHT-OF-WAY TECHNICIAN**

- Responsible for calculation of areas for right-of-way acquisition
- Responsible for preparation of right-of-way descriptions
- Coordination of assembly of right-of-way data for projects
- Assembly of project utility data
- Calculation and checking of project geometrics and earthwork
- Responsible for computer programming and applications
- Prepares pavement marking and traffic signing plans.
- Prepares maintenance of traffic plans for roadway projects.

1984 TO 1985; The Ohio State University, Research Center - Fawcett Center  
STUDENT RESEARCH ASSISTANT II

**AWARDS:**

1985; Women in Engineering Merit Award, Ohio State University.

1984; Engineer's Council Honor Student, Ohio State University.

1981; Freshman Honor Scholar, Ohio State University.

**CONTINUING PROFESSIONAL EDUCATION:**

1988, GPS Seminar

1991, Successful Field to Office Automation Seminar

1992, SurvCADD User Group Seminar

1992, Professional Land Surveyor of Ohio Legal Description Course

1992, Intermediate AutoCADD Course

**SUBCONSULTANTS:**

**Subconsulting services for street lighting design and placement will be provided by :**

**Ralph and Curl, Engineers  
3720 East Fifth Avenue  
Columbus, Ohio 43210  
(614) 237-8416**

**Information related to subconsultants follows.**

RALPH AND CURL, ENGINEERS  
3720 EAST FIFTH AVENUE  
COLUMBUS, OHIO 43210  
(614) 237-8416

Stricklen - Belshem  
1050 Kingsmill Parkway  
Columbus, Ohio 43229

Att. Joseph Ridgeway, P.E. November 29, 1994

Ref: Proposal for Sub-Consultant Engineering Services, Roadway Lighting Design, City of Bexley, Ohio, Broad and Main Streets

Dear Mr. Ridgeway,

It is Our pleasure to submit this proposal for services as your Sub-consultant for the Street Lighting Design of Broad and Main Streets located through Bexley, Ohio.

Our scope of services will include: Attend meetings for input, review, questions and coordination; Evaluate roadway configuration to make recommendations for appropriate illumination design criteria; Prepare voltage drop and illumination calculations; Prepare design documents consisting of plan design, equipment schedules, power supplies, tabulation of circuit loads, special provisions, general notes, sub-summaries and general summaries. All design work to be in accordance with the City's design standards and specifications.

We understand that you will furnish Ralph and Curl, Engineers base maps and drawings to utilize in preparing our design work which will include the basic lines relevant to the project (curb lines, building lines, traffic lanes, right-of-ways, property lines, easements, centerlines, utility lines, existing and proposed landmarks and city owned facilities, power lines, trees, traffic signal equipment, signs, grades and elevations, etc). Auto Cad drawing files including the above information should also be provided.

Services not included in our proposal include: shop drawing review, inspection and construction phase services, as-built drawings, and Certified testing such as provided or required of a independent testing lab.

We anticipate a fee of \$23,940.00 for each street, Broad or Main Streets. Performing the design of both streets simultaneously would be more efficient and result in a saving of about 10% and a total fee \$43,092.00 I have attached our fee schedule and anticipated hours to complete the project.

Please review this proposal and contact me with any questions or comments.

Thank you for the opportunity of presenting you with this proposal.

Very Truly Yours,

\_\_\_\_\_  
Robert D. Curl  
Director of Design

RALPH AND CURL, ENGINEERS  
 3720 EAST FIFTH AVENUE  
 COLUMBUS, OHIO 43210  
 (614) 237-8416

Rate Schedule

<u>Personal</u>	<u>Hourly Rate</u>
1. Principal Engineer	\$70.00
2. Engineer, Surveyor, Senior Inspector	\$50.00
3. Engineering Aid, Draftsmen, Inspector	\$35.00
4. Engineering Secretary	\$20.00

Anticipated Time Expenditures  
 Per Each Street Project

<u>Work Description</u>	<u>Principle Engineer</u>	<u>Engineer</u>	<u>Draftsmen</u>	<u>Sec'y</u>
Meetings -----	4	40	0	4
Preliminary Design Development -----	8	80	4	4
Plan Design -----	8	80	20	4
Drafting and Cad -----	0	10	120	0
Summaries, details and notes -----	6	16	24	4
Specifications -----	6	40	20	40
Totals	32	266	208	56

<u>Direct labor</u>	<u>Rate</u>	<u>Hours</u>	<u>Total</u>
Principal Engineer	\$60.00	32	\$ 2,240.00
Engineer	\$50.00	266	\$ 13,300.00
Engineering Aid, Draftsmen	\$35.00	208	\$ 7,280.00
Secretary	\$20.00	56	<u>\$ 1,120.00</u>
Total Fee			\$ 23,940.00

Payments to Engineer shall be made according to Engineers invoice submitted monthly based on work completed to date.

CONTRACT  
BETWEEN THE CITY OF BEXLEY AND  
STICKLEN-BELSHEIM & ASSOCIATES 1050 KINGSMILL PARKWAY  
COLUMBUS, OHIO 43220

FOR

TRAFFIC SIGNAL AND STREET LIGHTING PROJECTS  
EAST MAIN STREET; ALUM CREEK TO GOULD ROAD  
EAST BROAD STREET; ALUM CREEK TO GOULD ROAD  
PROFESSIONAL SERVICES

SECTION I

This agreement (the "Contract") entered into this 21<sup>st</sup> day of February, 1995, by and between the City of Bexley, Ohio, acting through the Mayor and the Auditor, pursuant to and under the authority of Ordinance No. 1-95, passed by Council of the City of Bexley, party of the first part, hereinafter designated as the City, and STICKLEN-BELSHEIM & ASSOCIATES, party of the second part, hereinafter designated as the Engineer.

WITNESSETH: That the Engineer, for the consideration hereinafter named, agrees to perform professional engineering services as requested and authorized by the City in a subsequent written AUTHORIZATION TO PROCEED and covered elsewhere in this contract for the Preparation of Contract plans and specifications for the installation of Traffic Signals and Street Lights on Main Street and Broad Street.

SECTION II

The Engineer shall at its' cost, furnish all personnel, equipment and material necessary to perform the following work in a timely manner in accordance with Section V (all time schedules stated herein being of the essence of this contract):

- (a) Provide the engineering services required to prepare traffic signal plans, street lighting plans, specifications and details that will comply with Ohio Department of Transportation (ODOT) standards. They will be prepared in a format acceptable to ODOT and compatible with ODOT's plan review process. The plans will include all elements required by the City and ODOT for the construction of the proposed signal and street lighting projects.

All plans and specifications will be computer generated providing the best opportunity for reproduction. Final plans will be plotted in ink on 24" x 36" mylar sheets using Auto Cadd.

The plans will include plan views showing existing features, signal pole locations, street light locations and will be at the scale 1 to 200 in metric units. Plans shall also include phasing, timing and wiring diagrams; signal pole and street light details, together with other details to set forth a complete construction plan with notes that are necessary for the construction.

Plans will show all overhead and underground utilities of record including gas, electric, telephone and cable T.V. We will use plans available through the City to initially identify their location. We will confirm these locations through the standard utility location procedure.

Plans shall provide the design of proper interconnection with the City of Columbus Computerized Signal System.

The base intersection plans will be prepared using a combination of the Franklin County Auditors maps, plans on file with the City of Bexley and field measurements.

- (b) Prepare and assemble plans and specifications in a format that each the Main Street and the Broad Street projects can be sold separately by the Ohio Department of Transportation.
- (c) Furnish a detailed Estimate of Quantities and Cost Estimates. The quantities will be included on the plan sheets and will be in a format suitable for being included in the bidding and contract documents.
- (d) Coordinate the services of a sub-consultant firm retained to assist in the preparation of the street lighting portion of the plans.
- (e) We expect the City to furnish an electronic map including each of the intersections included in the projects. This map(s) would be provided to the City of Bexley by the County Auditor at no cost. We will prepare the request to the Auditor.

We will expect the City to furnish us with all plans that are on file that pertain to these intersections.

- (f) Should the Engineer be required by the City to render additional services authorized by the City, or because of changes, delays or other causes beyond the Engineer's control, then the Engineer shall be compensated for such additional services as set forth in SECTION III. No additional services shall be rendered without the prior written consent of the City.

### SECTION III

The City agrees to pay the Engineer as compensation for professional engineering services as designed in SECTION II, a fee based on the cost of such work to the Engineer, such cost shall be defined as the actual direct salary costs plus 165% of the direct salary costs for overhead, profit, and readiness to serve for services rendered by our principals and employees assigned to the project. The City will be invoiced on a monthly basis by the Engineer as project development progresses. In no case will the fees payable hereunder exceed the Maximum Total Fee set forth below in the estimate (assuming plans for both Main Street and Broad Street are prepared) or the respective Sub-Total (if a plan for only one street is prepared), without prior approval of the City.

Estimated costs for the above described Engineering Services are summarized as follows:

**ESTIMATED ENGINEERING SERVICE FEE**

**FRA-Main Street, PID 13896 Project**

Development of Base Plan Sheets to indicate existing conditions and to be used for construction plan development	\$ 5,500.00
Signal Design 8+1 = 9 intersections + Intersection Details	36,000.00
Specifications, General Notes and Construction Details:	3,000.00
Street Lighting Design (By Sub Consultant)	21,546.00
Cost Estimates	1,200.00
Plan Review with ODOT	1,100.00
Plan Management and Coordination	3,600.00
Selection of Equipment and Hardware	2,200.00
<b>SUB-TOTAL MAIN STREET</b>	<b>\$74,146.00</b>

**FRA-Broad Street, PID 13895 Project**

Development of Base Plan Sheets to indicate existing conditions and to be used for construction plan development	5,500.00
Signal Design 5+1 = 6 intersections + Intersection Details Specifications, General Notes and Construction Details	24,000.00
Street Lighting Design (By Subconsultant)	21,546.00
Cost Estimates	1,200.00
Plan Review with ODOT	1,100.00
Plan Management and Coordination	3,600.00
Selection of Equipment and Hardware	2,200.00
<b>SUB-TOTAL BROAD STREET</b>	<b>\$59,146.00</b>
<b>MAXIMUM TOTAL FEE, MAIN STREET AND BROAD STREET</b>	<b>\$133,292.00</b>

\*Assumes plans are prepared simultaneously for both Broad and Main Streets.

The following wages and rates will serve as the basis for hourly charges of the Engineer:

STICKLEN-BELSHEIM & ASSOCIATES	AVERAGE HOURLY RATE
Project Director & Manager	\$ 31.25
Project Engineer	23.00
Design Engineer/EIT	16.00
Technician/CADD Operator	14.00
Secretary	10.00

#### SECTION IV

Subconsulting services for street lighting design and placement will be provided by:

Ralph and Curl Engineers  
3720 East Fifth Avenue  
Columbus, Ohio 43210  
(614) 237-8416

Work performed for subconsulting services will be performed under the terms of this contract as required of the Engineer.

Payment for work performed by the subconsultant will be made to the Engineer on a direct cost basis with a Maximum Fee as included in SECTION III for Street Lighting Design (By Sub Consultant).

#### SECTION V

The Engineer will prepare construction plans and specifications to comply with the Ohio Department of Transportation target dates as submitted to the City in their letter of October 19, 1994 as follows:

Main Street: Final plan tracings are scheduled for completion by May 5, 1995, with the construction contract sold and awarded by the Ohio Department of Transportation on November 14, 1995.

Broad Street: Final plan tracings are scheduled for completion by February 26, 1996, with the construction contract sold and awarded by the Ohio Department of Transportation on September 1, 1996.



The above schedules are contingent upon the Ohio Department of Transportation completing plan review as follows:

- 1.) Line, grade, and typical section - 1 day;
- 2.) Field and office check - 5 to 6 weeks; and
- 3.) Final plan submission - 10 days.

The Engineer and the City agree to revise the above schedule to comply with any changes in the scheduled dates for the completion of final plan tracings, or contract sale and award that may be made or approved by the Ohio Department of Transportation.

#### SECTION VI

It is further mutually agreed by the parties hereto:

- (a) It is understood that engineering work will be started immediately upon the execution of this contract and that the Engineer will maintain a sufficient force of personnel to complete the contract plans in accordance with the schedule set forth by the City and the Ohio Department of Transportation. The proposed improvements are to be constructed in two parts, requiring two (2) sets of contract plans and documents, one for Main Street and the second for Broad Street.

#### (b) INSURANCE AND INDEMNITY

The Engineer shall comply with the worker's compensation laws of the State of Ohio and shall carry at least the following minimum amounts of insurance: Said insurance shall be maintained in full force and effect during the life of the engineering contract and shall protect the Engineer, its employees, agents, and representatives from claims for damage for personal injury and wrongful death and for damages to property arising in any manner from the negligent or wrongful acts, errors or omissions of the Engineer, its employees, agents, or representatives in the performance of the work covered by this Contract. Certificates showing the Engineer is carrying the above described insurance in at least the above specified minimum amounts shall be furnished to the City before the City is obligated to make any payment to the Engineer for the work performed under the provisions of this Contract. The policies or certificates thereof shall provide that ten days prior to cancellation of the policies, notice of same shall be given to the City, if certificates have been previously issued for all the following stated policies:

1. Public liability and automobile liability insurance in an amount not less than Five Hundred Thousand Dollars (\$ 500,000) on account of any one accident or occurrence.
2. Property damage liability insurance in an amount not less than Five Hundred Thousand Dollars (\$ 500,000) for damages on account of any one accident or occurrence.
3. Excess liability Umbrella form for bodily injury and property damage in an amount not less than Two Million Dollars (\$ 2,000,000).

4. Professional liability insurance in an amount not less than          Million Dollars (\$1,000,000) for damages on account of any one claim. The Engineer shall assume the defense for an indemnify and save harmless the City from any claims or liability of any type or nature to any person, firm or corporation, arising out of the Engineer's error, omissions, or negligent acts in performance of services covered by this Engineering Contract.

Furthermore, the Engineer shall carry valuable papers insurance in an amount sufficient to assure the restoration of any plans, drawings, field notes, or other similar data relating to the work covered by the engineering contract, in the event of their loss or destruction, until such time as the final documents are delivered to the City.

The Engineer shall assume the defense of and indemnify and save harmless the City from any claims or liabilities, of any type or nature to any person, firm or corporation, arising in any manner from the Engineer's sole negligent performance of the work covered by this engineering contract, including all costs for attorney fees to defend such, and he shall pay any judgment obtained or growing out of said claims or liabilities or any of them.

(c) CITY'S OPTION OF TERMINATE

The City may, at any time prior to the completion of full performance by the Engineer of all engineering services under this Contract, terminate this Contract without assigning cause by giving written notice not less than fifteen (15) days prior to the effective date of the termination of all services. Engineer, upon receipt of such notice, shall discontinue the prosecution of all work under this contract and shall take only those actions necessary in terminating such work. In the event services are so terminated, the City shall pay the Engineer for the amount of any fee earned to the date of termination. In the event this Contract is terminated prior to its completion, the Engineer, upon payment as specified, shall deliver to the City all reports, field books, drawings, and other documents which have been prepared in the course of the work done under this Contract. All such material shall become and remain the property of the City to be used in such manner and for such purposes as they may choose.

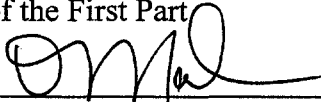
It is further agreed that in the event the Engineer fails to properly perform in a manner satisfactory to the City (including, without limitation, failure to meet target dates set by the Ohio Department of Transportation), the City may immediately terminate this contract and may make such arrangements as it shall deem desirable for the completion of the projects. The Engineer shall not be entitled to, and shall make no claim for additional compensation against the City by reason of such termination and shall be liable to the City for damages (including, without limitation, attorneys' fees) caused by its failure to perform. In addition, because the parties may not be able to establish the actual, including consequential, damages if the Ohio Department of Transportation does not fund or contract the projects due to the failure of the Engineer to perform adequately his services hereunder, under such circumstances the City shall, as its option, be entitled to liquidated damages in an amount equal to the fees paid to the Engineer by the City under this Contract prior to termination of this Contract plus attorney's fees and expenses, if any, incurred by the City to enforce this provision and collect such damages.

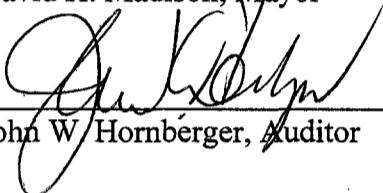
(d) NON-DISCRIMINATION

In connection with the performance of work under this Contract, the Engineer agrees not to discriminate against any employee or applicant for employment because of race, religion, color, age, gender or national origin. The aforesaid provision shall include, but not be limited to, the following employment: upgrading, demotion or transfer, recruitment or recruitment advertising; lay-off or termination; rates of pay or other form of compensation; and selection for training including apprenticeship. The Engineer agrees to post hereafter in conspicuous places, available for employees or applicants for employment, notice to be provided by the contracting officer setting forth the provision of this non-discrimination clause. The Engineer further agrees to insert the foregoing provisions in all sub-contracts issued for these improvements except sub-contracts for standard commercial supplies or raw materials.

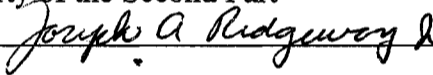
IN WITNESS WHEREOF, the parties hereto have affixed their hands and seals this 21<sup>ST</sup> day of February, 1995.

CITY OF BEXLEY, OHIO  
2242 East Main Street  
Bexley, Ohio 43209  
Party of the First Part

By   
David H. Madison, Mayor

By   
John W. Hornberger, Auditor

STICKLEN-BELSHEIM & ASSOCIATES  
1050 Kingsmill Parkway  
Columbus, Ohio 43229  
Party of the Second Part

By   
Title Partner

February 21, 1995

City of Bexley  
2242 East Main Street  
Bexley, Ohio 43209

RE: Engineering Services Contract  
For Traffic Signals and Lights  
East Main Street and East Broad Street

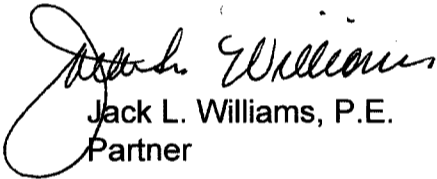
ATT: Velma R. Downs  
Administrative Assistant to Mayor

Dear Ms. Downs:

Enclosed are two (2) executed contracts for Engineering Services for the East Broad and East Main Street traffic signal and street lighting projects. These contracts have been signed and are returned for your files.

Sincerely,

STICKLEN-BELSHEIM & ASSOCIATES

  
Jack L. Williams, P.E.  
Partner

JLW:scj

Encl.

TIC  
3/15

# City of Bexley

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February 16, 1995

Sticklen-Belsheim & Associates  
1050 Kingsmill Parkway  
Columbus, OH 43220

Enclosed are three signed copies of the contract with Sticklen-Belsheim to provide engineering services to the City of Bexley, in conjunction with traffic signals and lights for Main and Broad Streets. Also enclosed is a copy of the ordinance approving the contract.

Please return two executed copies of the contract for our files. Thanks for your assistance.

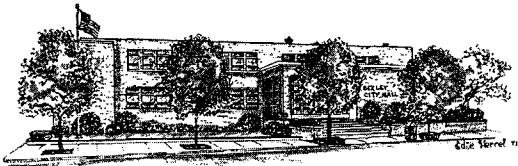
Sincerely,

CITY OF BEXLEY



Velma R. Downs  
Administrative Assistant to Mayor

Enclosures



2242 EAST MAIN STREET • BEXLEY, OHIO 43209 • PHONE (614) 235-8694