

A RESOLUTION AUTHORIZING THE MAYOR AND FINANCE DIRECTOR TO ENTER INTO AN AGREEMENT WITH FINKBEINER, PETTIS & STROUT, INC. FOR PROFESSIONAL ENGINEERING SERVICES CONCERNING THE INTERSECTION IMPROVEMENTS OF BROADVIEW ROAD AND WEST STREETSBORO ROAD

BE IT RESOLVED by the Council of the Village of Richfield, State of Ohio:

SECTION 1. That the Mayor and Finance Director be, and they hereby are, authorized and directed to enter into an agreement with Finkbeiner, Pettis & Strout, Inc. for professional engineering services in connection with the intersection improvements on Broadview Road (State Route 176) and West Streetsboro Road (State Route 303), a copy of which agreement is attached hereto as Exhibit "A" and incorporated herein fully as if by reference.

SECTION 2. The Village of Richfield wishes to address storm water management in the area and also improve sidewalks to facilitate accessibility for pedestrian and in particular the elderly and handicapped and therefore there shall be appropriated \$38,200.00 from the Community Development Block Grant funds, as available, or the Capital Improvement Fund.

SECTION 3. This Resolution shall take effect and be in force from and after the earliest period allowed by law.

Passed: July 7, 1998

Michael Lyons  
President of Council

Donald S. Sassen  
Mayor

Dated: 7/14/98

ATTEST:

Carol Libby  
Clerk of Council

EXHIBIT "A"

May 8, 1998

CONSULTING ENGINEERS  
ESTABLISHED 1900  
SUITE 2400  
520 SOUTH MAIN STREET  
AKRON, OHIO 44311-1010  
330-434-1995  
330-374-1095 FAX

Mayor Donald H. Larsen  
Village of Richfield  
4410 West Streetsboro Road  
Richfield, Ohio 44286

Re: Richfield, Ohio  
Broadview Road (S.R. 176)/  
West Streetsboro Road (S.R. 303)  
Intersection Improvements  
**PROPOSAL**



Dear Mayor Larsen:

Finkbeiner, Pettis & Strout, Inc. is pleased to submit this proposal to provide professional engineering services for the preparation of preliminary design plans for the Broadview Road/West Streetsboro Road intersection.

The work proposed is intended to give the Village the following information:

- A preliminary plan that can be used to develop a final set of plans and specifications for the Village to bid out to a contractor.
- An opportunity for the Village Planning and Zoning Commission to see how the intersection will look based upon their planning and modify it as necessary.
- Possible right of way impacts.
- A plan to present to the Village Council and residents of the area.
- An estimate of probable cost of construction.
- A base for the streetscape design.

Coordination and reviews with other public agencies such as the Ohio Department of Transportation and the City of Cleveland Water Department will be anticipated.

**BROADVIEW ROAD (S.R. 176)/WEST STREETSBORO ROAD (S.R. 303)  
INTERSECTION IMPROVEMENTS**

**SCOPE OF SERVICES**

The expected limits of work of the roadway improvements are 700 feet in each direction from the intersection of Broadview Road/West Streetsboro Road.

The plans will be prepared using English units.

We propose to complete the following preliminary design work tasks for this project:

**Work Task No. 1 - Public Agency Coordination**

- Prior to design, we will meet with the members of the Village Planning & Zoning Commission, the Village Planner and the Village Zoning Inspector to discuss the project objectives.
- Coordinate with the City of Cleveland Water Department to determine waterline size and layout.
- Coordinate with the Ohio Department of Transportation on roadway standards and drainage issues.

**Work Task No. 2 - Utility Coordination**

- Contact the Ohio Utilities Protection Service (OUPS) to obtain record utility information.
- Obtain record information for utilities not listed with OUPS such as water and sewer.
- Show all record utility information on the plan.
- Send one set of pertinent plan sheets to each utility for verification and comment.

**Work Task No. 3 - Field Survey**

- Research will be conducted for the existing right-of-way, property owners and property lines. Fifty parcels are anticipated at this stage.
- Establish existing centerline alignments using existing monumentation and by setting reference points (railroad spikes with three-point ties) as needed.
- Set benchmarks and run a bench circuit.
- Field locate existing property pins.
- Obtain existing roadway cross sections and profile at 50-foot intervals.

- Establish alignment and profile of existing driveways.
- Perform a drainage survey to locate existing drive pipes, storm sewers and catch basins.
- Locate existing topographic features and surface utilities.

#### Work Task No. 4 - Traffic Analysis and Intersection Geometrics

- Obtain current traffic counts from AMATS.
- Determine the required number of lanes at the Broadview Road/West Streetsboro Road intersection using the Highway Capacity Manual.
- Calculate turn lane storage lengths.
- Determine curb return radii and stop bar locations based on the turning radius for emergency vehicles.
- Show pavement marking locations.
- Show sidewalk and curb ramp locations in conjunction with the Village Planner and the landscape architect.
- Design the profile grade of Broadview Road and West Streetsboro Road to provide positive drainage to the gutter.

#### Work Task No. 5 - Stormwater Drainage

- Determine drainage areas.
- Calculate trunk sewer size according to the ODOT Location and Design Manual.
- Determine catch basin locations within the roadway and in proposed parking areas.

#### Work Task No. 6 - Waterline

- Show proposed waterline layout within the limits of the intersection work on Broadview Road and West Streetsboro Road. Hydraulic evaluations and/or studies are not included.

#### Work Task No. 7 - Lighting

- Show locations of underground lighting conduit and pullboxes within the limits of the intersection work on Broadview Road and West Streetsboro Road.

**Work Task No. 8 - Right-of-Way**

- Using the research and field survey information, set the existing centerline of right-of-way, right-of-way lines and property lines within the limits of the work.
- Indicate approximate right-of-way takes necessary for the proposed improvements.

**Work Task No. 9 - Opinion of Probable Construction Cost**

- Provide an opinion of probable construction cost based on the preliminary plans. Right-of-way costs will not be included.

**Work Task No. 10 - Submittal**

- Provide plans for review by the Village of Richfield Planning and Zoning Commission.
- Provide plans for review by the Ohio Department of Transportation.
- Provide plans for review by the City of Cleveland Water Department.
- We anticipate the following sheets for the preliminary design:

Title Sheet	1
Typical Sections	2
Plan and Profiles	6
Cross Sections	<u>13</u>
Total	22

- Revise the plans based on the comments from each review agency.

**PROPOSED FEE**

FPS proposes the work be performed in accordance with our current Agreement dated April 1, 1997. The fee shall be in accordance with Section IV(a) of the Agreement for a total lump sum fee of \$38,200.

**SCHEDULE**

Upon authorization to proceed, the following schedule is anticipated exclusive of review time:

Survey	2 weeks
Design	10 weeks
Revisions	3 weeks

This proposal is being forwarded to you in duplicate. It can be considered as our authorization to proceed. If in agreement, please execute both copies and return them to us. We will return one executed copy to you for your files.

Authorization to Proceed is hereby acknowledged. Funds are encumbered in Purchase Order No. 20162.

VILLAGE OF RICHFIELD, OHIO  
(OWNER)

Donald W. Larsen

8/12/98

Date

Eleana Lukarici

8/14/98

Date

FINKBEINER, PETTIS & STROUT, INC.  
(ENGINEER)

Robert A. Fink

8/14/98

Date