



Banning Engineering, P.C. • 853 Columbia Road, Suite 101 • Plainfield, IN 46168
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This replaces the Work Order dated February 17, 2022

Work Order for Professional Engineering Services
Under the General On-Call Services Contract Dated February 1, 2022

Civil Engineer ("BE"): Banning Engineering, P.C.
853 Columbia Road, Suite 101
Plainfield, IN 46168

Client: Town of Avon
6570 E. US Highway 36
Avon, IN 46123

Attn: Steve Moore
Phone: (317) 272-0948
E-mail: smoore@avongov.org

Date: 3/25/2022 Work Order No: 22-01 Project No. (Admin) 22053

Project Name: Avon Avenue Passing Blister BE Project Manager: Mark Butler, PE

Project Location: _____ Total Acreage: _____

City/Town: Avon County: Hendricks Section: _____ Township: _____ Range: _____

Scope of Services ("Services"):

See Attached Scope

Offered by (BE):

Accepted by (Client):

 3/25/2022
(signature) (date)

(signature) (date)

Mark Butler, PE
(printed name/title)

(printed name/title)

Our receipt of the signed agreement will represent the Client's notice to proceed, approval and assent to these terms. This proposal is valid for sixty (60) days from the date listed above.

APPENDIX A

Engineer's Scope of Services

Project Summary: The Town of Avon has requested professional services to survey, design and prepare a construction plan for a northbound passing blister on Avon Ave adjacent to the Washington Township Public Library. The scope of work includes topographic survey, roadway layout, storm design, and producing a construction plan. It is our understanding the Town plans to include this work into another project for bid. Services additional to the scope below will be performed per the hourly rate sheet upon authorization from the Town.

APPENDIX B

Owner Responsibilities

The scope of this project is limited, and the following is the Town's responsibility, if needed. Right-of-Way acquisition, permitting, coordination with property owners and other stakeholders and maintenance of traffic.

APPENDIX C

Schedule

Proposed Milestone Schedule:

- Topo survey – Approximately 2-3 weeks after Notice to proceed
- Preliminary Cost Estimate in 60 Days from start- May 24, 2022
- Design Plans 100% Complete – June 15, 2022



Phase 1 – Preliminary Services

Topographic Survey

Cost: \$8,000

RPR

- Topographic Survey: Banning Engineering will complete a detailed topographic survey of the passing blister scope area. The limits will be front of houses on the east and approximately 50' in width centered on the road centerline on the west side for the proposed roadway blister from the bridge on the south to the Family Promise drive on the north. The survey will identify all existing improvements, grades, features, utility lines, adjacent property line and outlines of wooded areas or trees that stand alone greater than 6 inches. Buried utilities will be shown based on locates made via Indiana 811 and above ground evidence. The survey will provide a 1-foot contour interval map with spot grades at key locations including top of bank and toe of slopes, grade breaks and flow lines, edges of pavement and generally on a 50' grid across the site. The horizontal datum will be based on NAD83(2012) Indiana State Plane Coordinates, West Zone, and the vertical datum will be NAVD88. The finished product will be provided in AutoCAD format.

Project Management

Cost: \$5,690

- Meet with the client during the design process.
- Email correspondence with client
- Budget management

Phase 2 – Design Services

Roadway Design

Cost: \$7,620

- 100% Roadway Corridor Design including the following:
 - Roadway Layout
 - Details
 - Storm Sewer Design (enclose existing roadside ditch)
- Deliverables Include:
- Engineering Roadway Construction Plan Set
 - Cost Estimate

Hourly Contract, Estimated at: \$21,310

Additional services performed beyond the scope as outline above will be addressed on an hourly basis per the rate sheet provided.

Ryan Cannon
Proceed w/ survey only



SCHEDULE OF FEES

As of January 2022

Engineer-1	\$230 / hour
Engineer-2	\$200 / hour
Engineer-3	\$165 / hour
Engineer-4	\$145 / hour
Engineer-5	\$120 / hour
Project Manager	\$185 / hour
CADD-1	\$140 / hour
CADD-2	\$115 / hour
CADD-3	\$85 / hour
GIS Manager	\$155 / hour
GIS Tech	\$110 / hour
Survey-1	\$200 / hour
Survey-2	\$185 / hour
Survey-3	\$155 / hour
Survey-4	\$130 / hour
Crew 2 Man	\$190 / hour
Crew 1 Man	\$135 / hour
Scan Crew-2 Man	\$240 / hour
Scan Crew-1 Man	\$200 / hour
Observation-1	\$135 / hour
Observation-2	\$120 / hour
Observation-3	\$90 / hour
Admin Staff-1	\$125 / hour
Admin Staff-2	\$100 / hour

Note: Fees above are subject to change with 30-day written notice from ENGINEER to CLIENT.