



Confidence in the built environment.

March 29, 2024

Mr. Mark Witsman, PE
Town Engineer
Town of McCordsville
6280 W 800 N
McCordsville, IN 46055

**Re: Proposal to Provide Professional Consulting Services
CR 600 West at W. Brookside Parkway / Emerald Blvd.**

Dear Mr. Witsman,

HWC Engineering (HWC). is pleased to submit this proposal for Traffic Engineering Services for conducting a traffic signal warrant analysis and preliminary cost estimate for the intersection of CR 600 West at W. Brookside Parkway/Emerald Blvd.

We appreciate this opportunity and look forward to providing the highest quality of professional services in working with The Town of McCordsville.

Respectfully Submitted,

Kevin L. Miller, P.E.
Traffic Engineering Manager

Enclosures

cc: file



Traffic Signal Warrant Analysis

CR 600W at W. Brookside Parkway/Emerald Blvd.

Town of McCordsville

March 29, 2024



I. Project Description

This project includes tasks to complete traffic data collection along with a signal warrant analysis and preliminary construction cost estimate for a new traffic signal at the intersection of CR 600 West at W. Brookside Parkway/Emerald Blvd. as detailed in the scope below.

II. 12-Hour Intersection Turning Movement Counts

- A. HWC shall conduct 12-hour vehicular and pedestrian turning movement counts at the following intersection. Counts will be taken from 7:00 AM - 7:00 PM.
 - 1. CR 600 West at W. Brookside Parkway/Emerald Blvd.
- B. Traffic counts will be obtained on a Tuesday, Wednesday or Thursday in accordance with standard traffic engineering practice.

III. Traffic Signal Warrant Analysis

- A. A traffic signal warrant analysis will be completed for the following intersection.
 - 1. CR 600 West at W. Brookside Parkway/Emerald Blvd.
- B. The traffic signal warrant analysis will be performed in accordance with criteria outlined in Chapter 4C (Traffic Control Signal Needs Studies) of the Indiana Manual on Uniform Traffic Control Devices.
 - 1. Warrant 7 for Crash Experience will be evaluated by the Town and is not included in this scope of services.

IV. Preliminary Construction Cost Estimate

- A. A preliminary construction cost estimate will be provided for installation of a traffic signal at the intersection of CR 600 West and W. Brookside Parkway/Emerald Blvd.
 - 1. Preliminary construction cost estimate will be based on applicable INDOT unit prices from historical bid prices within the Greenfield district.

V. Traffic Review Letter

- A. A traffic review letter will be prepared to document the traffic data collection results and findings of the traffic signal warrant analysis.



VI. Assumptions and Exclusions

- A. Any recounts required due to unforeseen circumstances (tubes coming unsecured, counter/camera malfunction, inclement weather, tampering, etc.) are not included as part of the scope. HWC shall notify the Town of McCordsville if recounts are necessary and will only proceed with recounts once agreed upon in writing.
- B. Capacity analysis is not included as part of this scope of services.
- C. Pedestrian counts will include the total pedestrians crossing each approach of the intersection (non-directional).

VII. Schedule

- A. The final project schedule will be coordinated with the Town of McCordsville once Notice to Proceed (NTP) is granted. It is estimated that the draft Signal Warrant Analysis and Preliminary Cost Estimate will be completed within 4-6 weeks of NTP.

VIII. Deliverables

- A. 12-hour turning movement counts
- B. Traffic Signal Warrant Analysis
- C. Preliminary Construction Cost Estimate
- D. Traffic Review Letter and Appendices

IX. Compensation

- A. Total Lump Sum Fee to complete the scope of services detailed herein is \$8,900.

