

## **ATTACHMENT C – STATEMENT OF WORK**

### **INTERCHANGE JUSTIFICATION PRELIMINARY STUDY**

#### **TOWN OF WHITESTOWN, INDIANA**

This Statement of Work is executed as of the \_\_\_\_\_ day of \_\_\_\_\_, 2017 by and between the Town of Whitestown ("Whitestown") and ms consultants, inc. ("Contractor"). Whitestown and Contractor agree that all of the Services authorized by this Statement of Work shall be subject to the terms and conditions set forth within the Uniform Contract for Services for General Engineering Services between Whitestown and Contractor dated September 14, 2016 (the "Master Agreement"). Upon execution of this Statement of Work, the Master Agreement shall be incorporated into and be considered a part of this Statement of Work as if set forth herein in its entirety. Any capitalized terms which are not defined herein shall have the meanings defined in the Master Agreement.

#### **SCOPE OF WORK – INTERCHANGE JUSTIFICATION PRELIMINARY STUDY**

The following is the proposed Scope of Work to develop the preliminary justification study for a new interchange between Exit 130 and Exit 133 on I-65 within the Town of Whitestown. The following are the work items associated with the Preliminary Study of Interchange Justification:

##### **1. Gather Existing Information**

ms consultants will meet with Whitestown and review all existing data as it pertains to traffic data and project land use throughout the Town. This data includes all past work completed by the Town, Town personnel/equipment dedicated to planning and future development projects. Other data to review is traffic volume counts on town streets and roads, if available. Once all data is collected from the Town, additional information on these same topics will be gathered from outside agencies that control planning and development or roadways within the planning area of the new interchange. This may include but not be limited to:

- Boone County;
- Town of Zionsville;
- City of Lebanon;
- Indiana Department of Transportation

##### **2. Develop, Study and Evaluate Alternative Interchange Arrangements**

Multiple interchange types and configurations will be developed and studied for the advantages and detractions of each alternative. Town input will be sought for each alternative's potential impacts to the Town's existing roadway network and planned future network. Each alternative will be evaluated for its impact on the level of service of I-65 and operation of intersections at the ramp terminal ends. The impact of the right of way needed for each alternative will be a consideration. Finally,

alternatives with the greatest negative impacts and smallest positive effects will be narrowed until one preferred alternative remains.

### **3. Traffic Modeling using the Regional Travel Demand Model:**

ms consultants will obtain from the Indianapolis Metropolitan Planning Organization (MPO) their regional travel demand model for the Indianapolis Metropolitan area. ms consultants will then modify the model to reflect the updated roadway network and current land use gathered from the Town and other agencies to reflect the existing traffic flow on the roadway network feeding to and from the existing Exit 130 and Exit 133 of I-65. The model is then calibrated with select actual traffic counts available from the Town or other agencies. The model will then be verified with Indianapolis MPO.

ms consultants will then forecast the future conditions 10 years after the current land use plan and roadway network by updating the model with planned land uses and roadway network changes. The travel demand model is then used to estimate the operation of the two existing interchanges in the study area with any upgrades that are currently planned for those interchanges. Once those operating levels of service are determined, the model is once again changed to include the proposed interchange. The model is then used to estimate the operation of the future interchanges with all three providing access to I-65.

### **4. Environmental Site Assessment of Proposed Interchange:**

ms consultants will conduct a "Red Flag" survey of the footprint of the proposed interchange. The assessment is conducted by an experienced environmental planner who looks for ecological evidence, historic buildings, wetlands, agricultural lands, habitat that could attract Endangered, Threatened or Rare species and any evidence of contamination from hazardous waste or leaking fuel tanks. The observations of the assessment are recorded in a simple report to summarize any concerns and document the level of environmental study required in the full assessment.

### **5. Meetings with Federal Highway Administration and Indiana Department of Transportation**

ms consultants, together with representatives of the Town of Whitestown, will meet with the local office of the Federal Highway Administration and the Indiana Department of Transportation to present the findings of the preliminary study and environmental assessment. A determination from that meeting will determine if additional study is warranted or if the new interchange does not warrant further consideration.

### **6. Items not included as part of this proposal**

The following services are not included in this proposal:

- a. Environmental study beyond the "Red Flag" survey;

- b. Survey Topographic Data collection;
- c. Detailed design of roadway, bridges, ramps, traffic control devices, grades, pavements or construction limits;
- d. Operational traffic analysis of the existing interchanges or traffic models beyond the adjustment of the Indianapolis MPO travel demand model;
- e. Land acquisition services including title research and appraisal;
- f. Relocation services;

**Total Lump Sum Fee for items listed above = \$40,000.00**

Effective Date. The Effective Date for this Agreement shall be the date as stated at the top of the Attachment B to the Uniform Contract for Services.

IN WITNESS WHEREOF, the parties hereto have executed this Statement of Work to be effective as of the Effective Date.

WHITESTOWN:

CONTRACTOR:

Town of Whitestown

ms consultants, inc.

By: \_\_\_\_\_

By: \_\_\_\_\_

Name: Dax Norton

Name: Daniel R. Cutshaw, P.E.

Title: Town Manager

Title: Director of Indiana Operations