

# **PROFESSIONAL SERVICES CONTRACT**

## **CONTRACT**

THIS CONTRACT is made and entered into this \_\_\_\_\_ day of \_\_\_\_\_, 2016, by and between the City of Westfield, Indiana, acting by and through the BOARD OF PUBLIC WORKS AND SAFETY, hereinafter referred to as the "CITY", and A&F Engineering Co., LLC, hereinafter referred to as "CONSULTANT".

## **WITNESSETH**

WHEREAS, the CITY desires to contract for engineering services for the preparation of an updated roadway impact fees;

WHEREAS, the CONSULTANT has expressed a willingness to provide the engineering services required in the preparation of the updated roadway impact fees.

NOW, THEREFORE, in consideration of the mutual covenants herein contained, the parties hereto mutually covenant and agree as follows:

### **Section 1 Services by CONSULTANT**

1.1 The services to be provided by the CONSULTANT under this Contract are as set out in Appendix "A", attached to this Contract, and made an integral part hereof.

### **Section 2 Information and services to be furnished by the CITY**

2.1 The information and services to be furnished by the CITY are as set out in Appendix "B", attached to this Contract, and made an integral part hereof.

### **Section 3 Schedule and Notice to Proceed**

3.1 The CONSULTANT shall begin the work to be performed under this Contract upon written Notice to Proceed from the CITY and shall deliver the work to in accordance with the schedule contained in Appendix "C", attached to this Contract, and made an integral part hereof.

3.2 The CONSULTANT shall not begin the work prior to the date of the written notice to proceed.

### **Section 4 Compensation**

4.1 The CONSULTANT shall receive payment for the work performed under this Contract as set forth in Appendix "D", attached to this Contract, and made an integral part hereof.

### **Section 5 General Provisions**

#### **5.1 Work Office**

The CONSULTANT shall perform the work under this Contract at 8365 Keystone Crossing, Suite 201, Indianapolis, Indiana, 46240.

5.2 Employment

During the period of this Contract, the CONSULTANT shall not engage on this project on a full or part time or other basis any professional or technical personnel who are or have been at any time during the period of this Contract in the employ of the CITY except regularly retired employees.

5.3 Covenant Against Contingent Fees

The CONSULTANT warrants that it has not employed or retained any company or person, other than a bona fide employee working solely for the CONSULTANT, to solicit or secure this Contract and that it has not paid or agreed to pay any company or person, other than a bona fide employee working solely for the CONSULTANT, any fee, commission, percentage, brokerage fee, gifts or any other consideration, contingent upon or resulting from the award of making this Contract. For breach or violation of this warranty the CITY shall have the right to annul this Contract without liability, or, at its discretion to deduct from the Contract price or consideration or otherwise recover, the full amount of such fee, commission, percentage, brokerage fee, gift, or contingent fee.

5.4 Subletting and Assignment of Contract

No portion of the work under this Contract shall be sublet, assigned or otherwise disposed of, except with the written consent of the CITY. Consent to sublet, assign or otherwise dispose of any portion of the work under this Contract shall not be construed to relieve the CONSULTANT of any responsibility for the fulfillment of this Contract. A subcontractor shall not subcontract any portion of its work under this Contract.

5.5 Ownership of Documents

All documents, including tracings, drawings, reports, estimates, specifications, field notes, investigations, studies, etc., as instruments of service, are to be the property of the CITY. During the performance of the services, herein provided for, the CONSULTANT shall be responsible for any loss or damage to the documents, herein enumerated, while they are in its possession and any such loss or damage shall be restored at its expense. Full access to the work during the progress of the work shall be available to the CITY.

5.6 Access to Records

The CONSULTANT and its subcontractors shall maintain all books, documents, papers, accounting records and other evidence pertaining to the cost incurred and shall make such materials available at its respective offices at all reasonable times during the period of this Contract and for three years from the date of final payment under the terms of the Contract, for inspection by the CITY and copies shall be furnished if requested.

5.7 Compliance with State and Other Laws

The CONSULTANT specifically agrees that in performance of the services herein enumerated by it or by a subcontractor or anyone acting in behalf of either, that it will comply with any and all Local, State, and Federal Statutes, ordinances, and regulations and obtain all permits that are applicable to the entry into and performance of this Contract.

5.8 Responsibility for Claims and Liabilities

The CONSULTANT shall be responsible for all damage to life and property due to activities of the CONSULTANT, its subcontractors, agents, or employees in connection with such services, and shall be responsible for all parts of its work both temporary and permanent and shall hold the City harmless, therefore.

5.9 Status of Claims

The CONSULTANT shall be responsible for keeping the CITY currently advised as to the status of any claims made for damages against the CONSULTANT resulting from services performed under this Contract. The CONSULTANT shall send notice of claims related to work under this Contract to the CITY.

5.10 Workman's Compensation and Liability Insurance

The CONSULTANT shall procure and maintain, until final payment by the CITY for the services covered by this Contract, insurance of the kinds and in the amounts hereinafter provided in insurance company's authorized to do such business in the State of Indiana covering all operations under this Contract whether performed by it or by its subcontractor. The CONSULTANT will not be given a notice to proceed until the CONSULTANT has furnished a certificate or certificates in a form satisfactory to the CITY, showing that this section has been complied with. During the life of the Contract, the CONSULTANT shall furnish the CITY with certificates showing that the required policies shall not be changed or cancelled until ten (10) days written notice has been given to the CITY. In the event that such written notice of change or cancellation is given, the CITY may at its option terminate this Contract and no further compensation shall in such case be made to the CONSULTANT. The kinds and amounts of insurance required are as follows:

- (A) Policy covering the obligations of the CONSULTANT in accordance with the provisions of the Workmen's Compensation Law. This Contract shall be void and of no effect unless the CONSULTANT procures such policy and maintains it until acceptance of the work.
- (B) Comprehensive Policies of Bodily Injury Liability and Property Damage Liability Insurance, including Owners and Contractors Protective Coverage and a Save and Hold Harmless Endorsement of the types herein specified each with Bodily Injury Limits of Liability of not less than \$300,000.00 for each person, including death at any time resulting therefrom, and not less than \$1,000,000.00 in any one accident, and not less than \$300,000.00 for all damages arising out of injury to or destruction of property.
- (C) Automobile Policies of Bodily Injury and Property Damage Liability Insurance of the types herein specified with bodily injury limits of liability of not less than \$300,000.00 for each person, including death at any time resulting therefrom, and not less than \$1,000,000.00 in any one accident, and not less than \$300,000.00 for all damages arising out of injury to or destruction of property, including hired and non-owned vehicles.
- (D) Professional Liability Insurance \$1,000,000.00 for each claim and \$1,000,000.00 in the aggregate.

5.11 Changes in work

In the event the CITY requires a major change in scope, character of complexity of the work after the work has progressed as directed by the CITY, adjustments in compensation to the CONSULTANT and in time of performance of the work as modified, shall be determined by the CITY in the exercise of its honest and reasonable judgment and the CONSULTANT shall not commence the additional work of the change of the scope of the work until a supplemental agreement is executed and the CONSULTANT is authorized in writing by the CITY.

5.12 Delays and Extensions

The CONSULTANT agrees that no charges or claim for damages shall be made by it for any delays or hindrances from any cause whatsoever during the progress of any portion of the services specified in this Contract. Such delays or hindrances, if any, shall be compensated for by an extension of time for such period as may be determined by the CITY in the exercise of its honest and reasonable judgement, it being understood, however, the permitting of the CONSULTANT to proceed to complete any services, or any part of them after the date to which the time of completion may have been extended, shall in no way operate as a waiver on the part of the CITY of any or its rights herein.

5.13 Abandonment and Termination

The CITY reserves the right to terminate or suspend this Contract upon written notice.

(A) If the CITY shall abandon the services herein mentioned, the CONSULTANT shall deliver to the CITY all data, reports, drawings, specifications, and estimates completed or partially completed and these shall become the property of the CITY. The earned value of the work performed shall be based upon an estimate of the portions of the total services as have been rendered by the CONSULTANT to the date of the abandonment and which estimate shall be made by the CITY in the exercise of its honest and reasonable judgement of all services to be paid for on a lump sum basis.

(B) If, at any time, for any cause whatsoever, the CONSULTANT shall abandon or fail to timely perform any of its duties hereunder, including the preparation and completion of plans and specifications within the several times hereinbefore specified, or within such further extension or extensions or time as agreed upon, the CITY may give written notice, that if the CONSULTANT shall not within twenty (20) calendar days from the date of such notice, have complied with the requirements of this Contract, then the Contract is deemed terminated. Upon the mailing or delivery of such notice or personal delivery thereof to the CONSULTANT, AND THE failure of the CONSULTANT within said described (20) day period to fully comply with each and all requirements of this Contract, this Contract shall terminate and the CITY may by any method it deems to be necessary designate and employ other consultants by agreement or otherwise, to perform and complete the services herein described. When written notice is referred to herein, it shall be deemed given when deposited in the mail addressed to the CONSULTANT at its last known address.

- (C) In case the CITY shall act under the last preceding paragraph, then and in such event, all data, reports, drawings, plans, sketches, sections, and models, all specifications, estimates, measurements, and data pertaining to the project, prepared under the terms of in fulfillment of this Contract, shall be delivered within twenty (20) days to the CITY. In the event of the failure by the CONSULTANT to make such delivery upon demand, then and in that event the CONSULTANT shall pay the CITY any damage it may sustain by reason thereof.

5.14 Successors and Assignees

The CITY, insofar as authorized by law, binds itself and its successors, and the CONSULTANT binds its successors, executors, administrators and assignees, to the other party of the Contract and to the successor, executors, administrators and assignees of such other party, as the case may be insofar as authorized by law, in respect to all covenants of this Contract.

Except as above set forth, neither CITY nor the CONSULTANT shall assign, sublet or transfer its or its interest in this Contract without the consent of the other.

5.15 Supplements

This Contract may only be amended, supplemented or modified by a written document executed in the same manner as this Contract.

5.16 Non Appropriation Clause

The parties acknowledge that the Board of Public Works is a part of the City of Westfield which is a governmental entity whose funds are subject to appropriation by its fiscal body. Therefore, if any time during the initial term or any subsequent term of this Agreement, the fiscal body should fail to appropriated sufficient funds to continue the contract, the contract shall become null and void. In the event of a non-appropriation of funds, the Board of Public Works will give notice to A&F Engineering Co., LLC immediately of such failure and shall pay A&F Engineering Co., LLC for all services provided prior to the exhaustion of the appropriated funds. The Board of Public Works agrees to seek funding for the continuation of this agreement during each budget cycle during the initial term or any subsequent term of this Agreement.

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IN TESTIMONY WHEREOF, the parties hereto have executed this Contract.

A&F ENGINEERING CO., LLC

BOARD OF PUBLIC WORKS &  
SAFETY

WESTFIELD, INDIANA

BY:



Steven J. Fehribach, P.E.  
President

BY: \_\_\_\_\_

Mayor Andy Cook

BY: \_\_\_\_\_

Member

BY: \_\_\_\_\_

Member

Attest:

Attest:

BY:



Matt Brown, P.E.  
Vice President

BY: \_\_\_\_\_

Clerk

## **APPENDIX "A"**

### **SCOPE OF WORK**

#### **PURPOSE**

The purpose of this project is to develop a Traffic Impact Fee Plan Update for the City of Westfield, Indiana. The plan will investigate existing conditions, existing traffic volumes, existing capacities of streets and intersections, project future traffic volumes, investigate various traffic improvement plans and develop a traffic impact fee.

#### **STUDY AREA**

The study area to be included in this Traffic Impact Fee Plan is the City of Westfield, Hamilton County. The update will be modified to include one zone improvement plan as shown on the attached figure. The attached figure is the zone improvement plan and street and roadways that will be included.

#### **SCOPE OF WORK**

The following work items will be included in this Traffic Impact Fee Plan for each of the previously identified streets:

##### **PHASE A – EXISTING CONDITIONS**

1. 24-Hour Volume Counts – for selected roadway sections make a minimum of a 48-hour traffic volume count then summarizing each volume count for a 24-hour period. Each volume count will be by direction. There are a total of 208 locations included in this phase (see attached list). These counts are made with automatic counters with road tubes.
2. Peak Hour Volume Counts – for selected intersections make a manual turning movement volume count. Each count shall be made over 6 hours of a typical weekday around the am and pm peak travel times. There are a total of 166 intersections included in this phase (see attached list).

3. Street Inventory – Inventory existing street and roadway conditions including:
  - a. lane widths
  - b. shoulder widths and type of curbs and gutters
  - c. traffic controls
  - d. passing zones
  - e. speed limitsThis will be provided for each of the 208 segments and 166 intersections.
4. Capacity Analysis – Calculate the capacity for existing conditions and existing traffic volumes.
5. Roadway Requirements – Based on the traffic volume data and capacity analyses, prepare recommendations for the design of all routes and intersections. The recommendations will include requirements for street widths, turn-lanes, intersection realignment and traffic control. These recommendations will document the roadway needs for the CITY under existing conditions.
6. Construction Estimate – Prepare a construction estimate for the needed improvements. This would establish the level of participation for the CITY as it exists today.
7. Report – Prepare a written report documenting all data, summaries, analyses, recommendations, and construction estimates.

#### **PHASE B – PROPOSED CONDITIONS**

1. Generated Trips – Estimate the total number of trips that will be generated for each parcel of vacant land that is identified in the study area.
2. Trip Assignment – Assign each generated trip from each parcel to one or more of the roads and streets included in this analysis.
3. Trip Distribution – Distribute each trip to the street and intersection system included in this analysis.

4. Total Traffic – Calculate the total traffic for the street and road system, which will be the sum of existing traffic volumes plus the generated traffic volumes.
5. Capacity Analysis – Calculate the capacity for the existing roadway conditions and the total traffic volumes.
6. Roadway Requirements – Based on the traffic volumes data and capacity analyses, prepare recommendations for the design of all major routes and intersections. The recommendations would include requirements for street widths, turn-lanes, intersection realignment, and traffic controls. These recommendations will document the roadway needs for the CITY under fully developed conditions.
7. Construction Estimate – Prepare a construction estimate for the needed improvements. This would establish the level of participation for all new development in the form of impact fees.
8. Report – Prepare a written report documenting all data, analyses, recommendations, construction estimates, and impact fees calculations.

## **APPENDIX "B"**

### **INFORMATION AND SERVICE TO BE FURNISHED BY THE CITY**

- A. The CITY shall furnish the CONSULTANT with the following:
1. The CITY shall designate an employee as the Project Coordinator to coordinate activities between the CITY and the CONSULTANT.
  2. Vacant parcels, land uses & densities to be used on each vacant parcel that is to be included in this analysis.

**APPENDIX "C"**

**SCHEDULE**

**A. SCHEDULE**

1. The work by the CONSULTANT under this AGREEMENT shall be completed and delivered to the LOCAL PUBLIC AGENCY within the time specified below following receipt of a written notice to proceed:

Data Collection	December 31, 2016
Preliminary Report	May 30, 2017
Final Report	July 31, 2017

**APPENDIX "D"**  
**COMPENSATION**

**A. AMOUNT OF PAYMENT**

1. The CONSULTANT shall receive as payment for the work performed under this AGREEMENT as follows:

a. Traffic Volume Data	\$ 45,270.00
b. Report - Proposed Impact Fee	\$221,450.00

2. The CONSULTANT shall be paid for the work performed under the AGREEMENT on a lump sum fee basis.

**ATTACHMENT A**  
**24- HOUR VOLUME COUNT SEGMENTS**

1. Along CR N 1200 E between:
  - a. 146th Street and 156th Street
  - b. 156th Street and 166th Street
  - c. 166th Street and SR 32
  - d. 186th Street and 196th Street
  - e. 206th Street and 216th Street
2. Along Joliet Road between:
  - a. 156th Street and 166th Street
  - b. 166th Street and SR 32
  - c. SR 32 and 186th Street
  - d. 186th Street and 193rd Street
  - e. 193rd Street and 196th Street
  - f. 196th Street and 206th Street
3. Along Shelborne Road between:
  - a. 146th Street and 151st Street
  - b. 151st Street and Eagle Creek Avenue
4. Along Mule Barn Road between:
  - a. SR 32 and 186th Street
  - b. 186th Street and 193rd Street
  - c. 193rd Street and 206th Street
  - d. 206th Street and 216th Street
5. Along Centennial Road between:
  - a. SR 32 and 186th Street
  - b. 186th Street and 193rd Street
6. Along Towne Road between:
  - a. 146th Street and 151st Street
  - b. 151st Street and 156th Street
  - c. 156th Street and 159th Street
  - d. 161st Street and 166th Street

7. Along Lamong Road between:
  - a. 193rd Street and 206th Street
  - b. 206th Street and 211th Street
  - c. 211th Street and 216th Street
8. Along Eagletown Road between:
  - a. 166th Street and SR 32
  - b. SR 32 and 186th Street
  - c. 186th Street and 193rd Street
9. Along Freemont Road between:
  - a. 193rd Street and 206th Street
  - b. 206th Street and 211th Street
  - c. 211th Street and 216th Street
10. Along Ditch Road between:
  - a. 146th Street and 151st Street
  - b. 156th Street and 161st Street
  - c. 161st Street and 166th Street
  - d. 166th Street and 169th Street
  - e. 169th Street and SR 32
11. Along Casey Road between:
  - a. SR 32 and 186th Street
  - b. 186th Street and 193rd Street
12. Along Six Points Road between:
  - a. 193rd Street and 206th Street
  - b. 206th Street and 216th Street
13. Along Spring Mill Road between:
  - a. 146th Street and Greyhound Pass
  - b. Greyhound Pass and 156th Street
  - c. 156th Street and 161st Street
  - d. 161st Street and 169th Street
  - e. 169th Street and SR 32
  - f. SR 32 and 186th Street
  - g. 186th Street and 191st Street

- h. 191st Street and 193rd Street
- 14. Along Horton Road between:
  - a. 191st Street and 199th Street
  - b. 199th Street and 206th Street
  - c. 206th Street and 214th Street
  - d. 214th Street and 216th Street
- 15. Along Dartown Road between:
  - a. SR 32 and 181st Street
- 16. Along Oak Ridge Road between:
  - a. Greyhound Pass and 156th Street
  - b. 156th Street and 161st Street
  - c. 161st Street and 169th Street
  - d. 169th Street and SR 32
  - e. 206th Street and 214th Street
  - f. 214th Street and SR 38
- 17. Along Wheeler Road between:
  - a. SR 32 and 181st Street
- 18. Along Tomlinson Road between:
  - a. 186th Street and 191st Street
  - b. 196th Street and 199th Street
- 19. Along Western Way between:
  - a. 146th Street and Greyhound Pass
- 20. Along Greyhound Pass between:
  - a. Spring Mill Road and Oak Ridge Road
  - b. Oak Ridge Road and 151st Street
  - c. 151st Street and Greyhound Court Plaza
  - d. Greyhound Court Plaza and Greyhound Court
  - e. US 31 and Cool Creek Park Road
  - f. Cool Creek Park Road and 146th Street
- 21. Along Greyhound Court between:
  - a. Greyhound Court Plaza and 151st Street
- 22. Along US 31 between:

- a. 156th Street and 161st Street
  - b. 161st Street and 169th Street
  - c. 169th Street and SR 32
  - d. SR 32 and 181st Street
  - e. 181st Street and 191st Street
  - f. 196th Street and 203rd Street
23. Along Westfield Blvd/Union Street between:
- a. 161st Street and 169th Street
  - b. 169th Street and SR 32
  - c. SR 32 and 181st Street
24. Along Cool Creek Park Road between:
- a. Greyhound Pass and 151st Street
25. Along East Street between:
- a. SR 32 and 181st Street
  - b. 181st Street and 186th Street
  - c. 186th Street and 191st Street
26. Along Oak Road between:
- a. 151st Street and 161st Street
  - b. 161st Street and 171st Street
27. Along Carey Road between:
- a. 146th Street and 151st Street
  - b. 151st Street and 161st Street
  - c. 161st Street and 169th Street
  - d. 169th Street and 171st Street
  - e. 171st Street and SR 32
28. Along Grassy Branch Road between:
- a. SR 32 and 186th Street
  - b. 196th Street and 203rd Street
  - c. 203rd Street and SR 38
29. Along Anthony Road/E 33rd Street between:
- a. SR 38 and 216th Street
30. Along Shady Nook Road between:

- a. SR 32 and Sanibel Circle
  - b. Sanibel Circle and 186th Street
  - c. 186th Street and 191st Street
31. Along Gray Road between:
- a. 146th Street and 151st Street
  - b. 151st Street and 161st Street
  - c. 161st Street and 169th Street
  - d. 169th Street and SR 32
32. Along Moontown Road/E 48th Street between:
- a. SR 32 and 186th Street
  - b. 186th Street and 191st Street
  - c. 191st Street and 196th Street
  - d. 196th Street and SR 38
33. Along Hinkle Creek Road between:
- a. SR 38 and 216th Street
34. Along 216th Street between:
- a. CR N 1200 E and Mule Barn Road
  - b. Mule Barn Road and Lamong Road
  - c. Lamong Road and Freemont Road
  - d. Six Points Road and Horton Road
  - e. US 31 and Anthony Road
  - f. Anthony Road and Hinkle Creek Road
35. Along 206th Street between:
- a. CR N 1200 E and Joliet Road
  - b. Joliet Road and Mule Barn Road
  - c. Mule Barn Road and Centennial Road
  - d. Centennial Road and Lamong Road
  - e. Lamong Road and Freemont Road
  - f. Freemont Road and Six Points Road
  - g. Six Points Road and Horton Road
  - h. Horton Road and Oak Ridge Road
36. Along Cox Avenue between:

- a. 206th Street and Tomlinson Road
- 37. Along 203rd Street between:
  - a. Tomlinson Road and US 31
- 38. Along 199th Street between:
  - a. Horton Road and Tomlinson Road
- 39. Along 196th Street between:
  - a. Tomlinson Road and US 31
  - b. US 31 and East Street
  - c. East Street and Grassy Branch Road
  - d. Grassy Branch Road and Moontown Road
- 40. Along 193rd Street between:
  - a. Joliet Road and Mule Barn Road
  - b. Mule Barn Road and Centennial Road
  - c. Centennial Road and Lamong Road
  - d. Lamong Road and Eagletown Road
  - e. Eagletown Road and Freemont Road
  - f. Freemont Road and Casey Road
  - g. Casey Road and Six Points Road
  - h. Six Points Road and Spring Mill Road
- 41. Along 191st Street between:
  - a. Horton Road and Tomlinson Road
  - b. Tomlinson Road and US 31
  - c. East Street and 191st Street
  - d. 191st Street and Moontown Road
- 42. Along 186th Street between:
  - a. CR N 1200 E and Joliet Road
  - b. Joliet Road and Mule Barn Road
  - c. Mule Barn Road and Centennial Road
  - d. Centennial Road and Eagletown Road
  - e. Eagletown Road and Casey Road
  - f. Casey Road and Spring Mill Road
  - g. Spring Mill Road and Kinsey Avenue

- h. East Street and Grassy Branch Road
  - i. Shady Nook Road and Moontown Road
43. Along Kinsey Avenue between:
- a. 186th Street and 181st Dartown Road
44. Along 181st Street between:
- a. Dartown Road and Wheeler Road
  - b. Wheeler Road and US 31
  - c. US 31 and Union Road
45. Along SR 32 between:
- a. CR N 1200 E and Joliet Road
  - b. Centennial Road and Eagletown Road
  - c. Spring Mill Road and Dartown Road
  - d. East Street and Grassy Branch Road
46. Along 171st Street between:
- a. Union Road and Oak Road
  - b. Oak Road and Carey Road
47. Along 169th Street between:
- a. Ditch Road and Spring Mill Road
  - b. Spring Mill Road and Oak Ridge Road
  - c. Oak Ridge Road and US 31
  - d. US 31 and Union Road
  - e. Carey Road and Gray Road
48. Along 166th Street between:
- a. CR N 1200 E and Joliet Road
  - b. Joliet Road and Eagle Creek Avenue
  - c. Eagle Creek Avenue and Towne Road
  - d. Towne Road and Eagletown Road
49. Along 161st Street between:
- a. Towne Road and Ditch Road
  - b. Ditch Road and Spring Mill Road
  - c. Spring Mill Road and Oak Ridge Road
  - d. Oak Ridge Road and US 31

- e. Union Road and Oak Road
  - f. Oak Road and Carey Road
  - g. Carey Road and Gray Road
50. Along 159th Street between:
- a. Eagle Creek Avenue and Towne Road
51. Along 156th Street between:
- a. CR N 1200 E and Joliet Road
  - b. Joliet Road and Eagle Creek
  - c. Towne Road and Ditch Road
  - d. Ditch Road and Spring Mill Road
  - e. Spring Mill Road and Oak Ridge Road
  - f. Oak Ridge Road and US 31
52. Along 151st Street between:
- a. Towne Road and Ditch Road
  - b. Greyhound Pass and Greyhound Court
  - c. Greyhound Court and US 31
  - d. US 31 and Cool Creek Park Road
  - e. Cool Creek Park Road and Oak Road
  - f. Carey Road and Gray Road
53. Along 147th Street between:
- a. Greyhound Pass and Oak Road
54. Along 146th Street between:
- a. Eagle Creek Avenue and Shelborne Road
  - b. Shelborne Road and Towne Road
  - c. Towne Road and Ditch Road
  - d. Ditch Road and Spring Mill Road
  - e. Spring Mill Road and Oak Ridge Road
  - f. Oak Ridge Road and Western Way
  - g. Oak Road and Carey Road
  - h. Carey Road and Gray Road
55. Along Eagle Creek Avenue between:
- a. 146th Street and 156th Street

- b. Shelborne Road and 159th Street
  - c. 159th Street and 166th Street
  - d. 166th Street and Towne Road
  - e. Towne Road and SR 32
56. Along SR 38 between:
- a. Dunbar Road and US 31
  - b. Anthony Road and Hinkle Creek Road

### PEAK HOUR INTERSECTION COUNTS

1. CR N 1200 E and 216th Street
2. CR N 1200 E and 206th Street
3. CR N 1200 E and 196th Street
4. CR N 1200 E and 186th Street
5. CR N 1200 E and SR 32
6. CR N 1200 E and 166th Street
7. CR N 1200 E and 156th Street
8. CR N 1200 E and 146th Street
9. Joliet Road and 206th Street
10. Joliet Road and 196th Street
11. Joliet Road and 193rd Street
12. Joliet Road and 186th Street
13. Joliet Road and SR 32
14. Joliet Road and 166th Street
15. Joliet Road and 156th Street
16. Eagle Creek Avenue and 146th Street
17. Eagle Creek Avenue and 156th Street
18. Mule Barn Road and 216th Street
19. Mule Barn Road and 206th Street
20. Mule Barn Road and 193rd Street
21. Mule Barn Road and 186th Street
22. Mule Barn Road and SR 32

23. Shelborne Road and Eagle Creek Avenue
24. Shelborne Road and 151st Street
25. Shelborne Road and 146th Street
26. Centennial Road and 206th Street
27. Centennial Road and 193rd Street
28. Centennial Road and 186th Street
29. Centennial Road and SR 32
30. Eagle Creek Avenue and 166th Street
31. Eagle Creek Avenue and 159th Street
32. Lamong Road and 216th Street
33. Lamong Road and 211th Street
34. Lamong Road and 206th Road
35. Lamong Road and 193rd Street
36. Towne Road and Eagle Creek Avenue
37. Towne Road and 166th Street
38. Towne Road and 161st Street
39. Towne Road and 159th Street
40. Towne Road and 156th Street
41. Towne Road and 151st Street
42. Towne Road and 146th Street
43. Eagletown Road and 193rd Street
44. Eagletown Road and 186th Street
45. Eagletown Road and SR 32
46. Washington Street and SR 32
47. Eagletown Road and 166th Street
48. Freemont Road and 216th Street
49. Freemont Road and 211th Street
50. Freemont Road and 206th Street
51. Freemont Road and 193rd Street
52. Ditch Road and SR 32
53. Ditch Road and 169th Street
54. Ditch Road and 166th Street

55. Ditch Road and 161st Street
56. Ditch Road and 156th Street
57. Ditch Road and 151st Street
58. Ditch Road and 146th Street
59. Casey Road and 193rd Street
60. Casey Road and 186th Street
61. Casey Road and SR 32
62. Six Point Road and 216th Street
63. Six Point Road and 206th Street
64. Six Point Road and 193rd Street
65. Spring Mill Road and 191st Street
66. Spring Mill Road and 186th Street
67. Spring Mill Road and SR 32
68. Spring Mill Road and 169th Street
69. Spring Mill Road and 161st Street
70. Spring Mill Road and 156th Street
71. Spring Mill Road and Greyhound Pass
72. Spring Mill Road and 146th Street
73. Horton Road and 216th Street
74. Horton Road and 214th Street
75. Horton Road and 206th Street
76. Horton Road and 199th Street
77. Horton Road and 191st Street
78. Dartown Road and 181st Street
79. Dartown Road and SR 32
80. Oak Ridge Road and 214th Street
81. Oak Ridge Road and 206th Street
82. Oak Ridge Road and SR 32
83. Oak Ridge Road and 169th Street
84. Oak Ridge Road and 161st Street
85. Oak Ridge Road and 156th Street
86. Oak Ridge Road and Greyhound Pass

87. Oak Ridge Road and 146th Street
88. Wheeler Road and 181st Street
89. Wheeler Road and SR 32
90. Dunbar Road and 216th Street
91. Dunbar Road and SR 38
92. Tomlinson Road and 203rd Street
93. Tomlinson Road and 199th Street
94. Tomlinson Road and 196th Street
95. Tomlinson Road and 191st Street
96. Rohrer Road and 146th Street
97. Greyhound Pass and 151st Street
98. Greyhound Pass and 146th Street
99. US 31 and 216th Street
100. US 31 and SR 38
101. US 31 and 203rd Street
102. US 31 and 202nd Street
103. US 31 and 196th Street
104. US 31 and 191st Street
105. US 31 and 181st Street
106. US 31 and SR 32
107. US 31 and 169th Street
108. US 31 and 161st Street
109. US 31 and 156th Street
110. US 31 and Westfield Boulevard
111. US 31 and 151st Street
112. US 31 and Greyhound Pass
113. Greyhound Court and 151st Street
114. Greyhound Court and Greyhound Pass
115. Western Way and Greyhound Pass
116. Union Street and 181st Street
117. Union Street and SR 32
118. Union Street and 171st Street

119. Union Street and David Brown Drive
120. Westfield Boulevard and 161st Street
121. Westfield Boulevard and 156th Street
122. Thatcher Road and 151st Street
123. Marsh Drive and Greyhound Pass
124. East Street and 196th Street
125. East Street and 191st Street
126. East Street and 186th Street
127. East Street and 181st Street
128. East Street and SR 32
129. Cool Creek Park Road and 151st Street
130. Cool Creek Park Road and Greyhound Pass
131. Greyhound Pass and 147th Street
132. Greyhound Pass and 146th Street
133. Oak Road and 171st Street
134. Oak Road and 161st Street
135. Oak Road and 151st Street
136. Oak Road and 147th Street
137. Anthony Road and 216th Street
138. Anthony Road and SR 38
139. Grassy Branch Road and SR 38
140. Grassy Branch Road and 203rd Street
141. Grassy Branch Road and 196th Street
142. Grassy Branch Road and 191st Street
143. Grassy Branch Road and 186th Street
144. Grassy Branch Road and SR 32
145. Carey Road and 171st Street
146. Carey Road and 169th Street
147. Carey Road and 161st Street
148. Carey Road and 151st Street
149. Carey Road and 146th Street
150. Shady Nook Road and 191st Street

151. Shady Nook Road and 186th Street
152. Shady Nook Road and SR 32
153. Hinkle Creek Road and 216th Street
154. Hinkle Creek Road and SR 38
155. Moontown Road and 196th Street
156. Moontown Road and 191st Street
157. Moontown Road and 186th Street
158. Moontown Road and SR 32
159. Gray Road and 169th Street
160. Gray Road and 161st Street
161. Gray Road and 156th Street
162. Gray Road and 151st Street
163. Gray Road and 146th Street