Division 1:

General Conditions

For

2025 CRACK SEAL PROGRAM

OWNERS: ELKHART COUNTY, INDIANA, ACTING THROUGH

ITS BOARD OF COUNTY COMMISSIONERS ELKHART COUNTY HIGHWAY DEPARTMENT

ENGINEERING SECTION 610 STEURY AVENUE GOSHEN, IN 46528



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DEFINITIONS

The following terms, as used in these Contract Documents, are defined as follows:

"ADDENDA" Written or graphic instruments issued prior to the

opening of Bids, which clarify, correct, or change the

bidding documents or Contract Documents.

"APPROVED" The words "approved", "acceptable", "satisfactory", "in

the judgment of", and words of like import, shall mean approval by, acceptable to, satisfactory to, or in the

judgment of, the Engineer or Owner.

"BONDS" Bid, Performance, Payment, or Maintenance Bonds,

and other instruments of security collectively or

individually as applicable.

"CHANGE ORDER" A document recommended by ENGINEER, which is

signed by CONTRACTOR and OWNER and authorizes an addition, deletion or revision in the Work, or an adjustment in the Contract Price or the Contract Time, issued on or after the Effective Date of the

Agreement.

"CONTRACTOR' The person, firm, or corporation to whom the enclosed

contract is awarded by the Owner and who is subject

to the terms hereof.

"COUNTY

SPECIFICATIONS" The current Elkhart County roads guidelines and

standards for design and public improvements.

"DIRECTED" The words "directed", "required", "permitted",

"ordered", "designated", and words of like import shall imply the direction, requirement, permission, order of

designation of the Engineer or Owner.

"ENGINEER" The Elkhart County Highway Division, or, the Elkhart

Co. Manager of Engineering, or duly authorized

representative designated by the Owner.

"FIELD ORDER" A written order issued by ENGINEER which orders

minor changes in the Work in accordance with paragraph 7.5 but which does not involve a change in

the Contract Price or the Contract Time.

"FINAL ACCEPTANCE" The date when OWNER accepts ENGINEER'S

recommendation of final payment.

"GENERAL REQUIREMENTS" Sections of Division A of the Specifications.

"LAWS AND REGULATIONS; Laws, rules, regulations, ordinances, codes and/or LAWS OR REGULATIONS" orders.

"MUTCD" Manual of uniform traffic control devices.

"NOTICE TO PROCEED" A written notice given by OWNER to CONTRACTOR

(with a copy to ENGINEER) fixing the date on which the Contract Time will commence to run and on which CONTRACTOR shall start to perform CONTRACTOR'S obligations under the Contract

Documents.

"OWNER" The public body or authority, corporation, association,

firm or person with whom CONTRACTOR has entered into the Agreement and for whom the Work is to be provided. This typically being Elkhart County, Indiana, acting through its Board of County Commissioners.

"PARTIAL UTILIZATION" Placing a portion of the Work in service for the purpose

for which it is intended (or a related purpose) before

reaching Substantial Completion for all the Work.

"PROJECT" The total construction of which the Work to be provided

under the Contract Documents may be the whole or a part as indicated elsewhere in the Contract

Documents

"RESIDENT PROJECT The authorized representative of ENGINEER

REPRESENTATIVE"

who is assigned to the site or any part thereof

"SHOP DRAWINGS" All drawings, diagrams, illustrations, schedules and

other data which are specifically prepared by or for CONTRACTOR to illustrate some portion of the Work and all illustrations, brochures, standard schedules, performance charts, instructions, diagrams and other information prepared by a Supplier and submitted by CONTRACTOR to illustrate material or equipment for

some portion of the Work.

"SPECIFICATIONS"

Those portions of the Contract Documents consisting

of written technical descriptions of materials, equipment, construction systems, standards and workmanship as applied to the Work and certain

administrative details applicable thereto.

"STANDARD The det

"STANDARD The SPECIFICATIONS" Training support of the STOP ORDER or STOP WORK ORDER WO

"SUBCONTRACTOR"

The current INDOT standard sheets with standard details.

The latest edition of the Indiana Department of Transportation Standard Specifications and current supplemental Technical Specifications.

Written order from OWNER or ENGINEER to stop all work covered by the Contract Documents.

An individual, firm or corporation having a direct contract with CONTRACTOR or with any other Subcontractor for the performance of a part of the Work at the site

"SUBSTANTIAL COMPLETION" See Paragraph 12.5 of these General Conditions.

"SUPPLEMENTARY The part of the Contract Documents which amends or supplements these General Conditions.

"SUBSTANTIAL COMPLETION" See Paragraph 12.5 of these General Conditions.

"SURETY" Financial guarantee that insures the CONTRACTOR'S obligation.

"UNDERGROUND FACILITIES" All pipelines, conduits, ducts, cables, wires, manholes, vaults, tanks, tunnels or other such facilities or

vaults, tanks, tunnels or other such facilities or attachments. In addition, any encasement containing such facilities that have been installed underground to furnish any of the following services or materials; electricity, gases, steam, liquid petroleum products, telephone or other communication means, cable television, sewage and drainage removal, traffic or other control systems or water.

"UNIT PRICE WORK" Work to be paid for on the basis of unit prices.

"WORK" Work to be done under this Contract at the site of the improvement.

"WORK DIRECTIVE CHANGE" A written directive to CONTRACTOR, issued on or after the Effective Date of the Agreement and signed

by OWNER and recommended by ENGINEER, ordering an addition, deletion or revision in the Work, or responding to differing or unforeseen physical conditions under which the Work is to be performed.

"WRITTEN AMENDMENT"

A written amendment of the Contract Documents, signed by OWNER and CONTRACTOR on or after the Effective Date of the Agreement and normally dealing with the non-engineering or non-technical rather than strictly Work-related aspects of the Contract Documents

ARTICLE 1 - PRELIMINARY MATTERS

1.1 Delivery of Bonds

When CONTRACTOR delivers the executed Agreements to OWNER, CONTRACTOR shall also deliver to OWNER such Bonds as called for in the Contract Documents.

1.2Copies of Documents

OWNER shall furnish to CONTRACTOR up to three (3) copies (unless otherwise specified in the Supplementary Conditions) of the Contract Documents as are reasonably necessary for the execution of the Work. Additional copies will be furnished, upon request, at the cost of reproduction.

1.3 Contract Documents

These Contract Documents are complementary and what is called for in one shall be as binding as if called for in all. The intention of these Contract Documents is to include in the Contract Price the costs of all labor and materials, water, fuel, tools, plant, equipment, light, transportation, taxes, bonds, and all other expense and profit as may be necessary for the proper and complete execution of the work.

1,4Commencement of Contract Time; Notice to Proceed

The Contract Time will commence when the Contractor receives the Notice to Proceed from the Engineer. CONTRACTOR shall not be paid for any work performed prior to receiving the Notice to Proceed from the Engineer.

1.5 Starting the Project

CONTRACTOR shall start to perform the Work on the date when the Contract Time commences to run, but no Work shall be done at the site prior to the date on which the Contract Time commences to run unless such work is specifically approved by the owner/engineer.

1.6Before Starting Construction

Before undertaking each part of the Work, CONTRACTOR shall carefully study and compare the Contract Documents and check and verify pertinent figures shown thereon and all applicable field measurements. CONTRACTOR shall promptly report in writing to ENGINEER any conflict, error or discrepancy which CONTRACTOR may discover and shall obtain a written interpretation or clarification from ENGINEER before proceeding with any Work affected thereby; however, CONTRACTOR shall not be liable to OWNER or ENGINEER for failure to report any conflict, error or discrepancy in the Contract Documents, unless CONTRACTOR had actual knowledge thereof or should reasonably have known thereof.

1.7 Submission for Review

Within ten (10) days after the Effective Date of the Agreement (unless otherwise specified in the General Requirements), CONTRACTOR shall submit to ENGINEER for review:

- 1.7.1 An estimated progress schedule indicating the starting and completion dates of the various stages of the Work; and
- 1.7.2 A preliminary schedule of Shop Drawings and/or sample submissions.
- 1.7.3 CONTRACTOR shall provide an updated progress schedule at all scheduled progress meetings.

1.8 Delivery of Certificates

Before any Work at the site is started, CONTRACTOR shall deliver to OWNER, with a copy to ENGINEER, certificates (and other evidence of insurance requested by OWNER) which CONTRACTOR is required to purchase and maintain.

1.9 Subcontracts

The Contractor shall not execute an Agreement with any Subcontractor or permit any Subcontractor to perform any work in this Contract until he has received written approval of such Subcontractor from the Owner or Owner's appointed designee.

1.10 Preconstruction Conference

Following the Effective Date of the Agreement, but before CONTRACTOR starts the Work at the site, a conference attended by CONTRACTOR, ENGINEER and others, as appropriate, will be held to discuss the schedules referred to in paragraph 1.7, as well as the Subcontractors proposed by Contractor for certain portions of the work, to discuss procedures for handling Shop Drawings and other submittals and for processing Applications for Payment, and to establish a working understanding among the parties as to the Work.

1.11 Non-Discrimination

In compliance with the Acts of Indiana General Assembly, 1933, Chapter 270, the Contractor hereby agrees:

1.11.1 That in the hiring of employees for the performance of work under this Contract or any Subcontract hereunder, no Contractor, Subcontractor, nor any person acting on behalf of such Contractor or Subcontractor shall, by reason of race or color, discriminate against any citizen qualified to do work to which the employment relates;

1.11.2 That no Contractor, Subcontractor, nor any person on his behalf shall, in any manner, discriminate against or intimidate any employee hired for the performance of work under this Contract on account of race or color:

- 1.11.3 That there may be deducted from the amount payable to the Contractor by the Owner under this contract, a penalty of Five Dollars (\$5.00) for each person for each calendar day during which such person was discriminated against or intimidated in violation of the provisions of this Contract; and
- 1.11.4 That this Contract may be canceled or terminated by the Owner, and all money due or to become due hereunder may be forfeited for a second or any subsequent violation of the terms or conditions of this section of the Contract.

1.12 Insurance

1.12.1 Contractor's Liability Insurance:

a) The Contractor shall maintain such insurance as well as protect himself from claims under Workmen's Compensation Acts and other employee benefit acts; from claims for damages because of bodily injury, including death, to his employees and all others; and from claims for damages to property, any or all of which may arise out of or result from the Contractor's operation under the Contract, whether such operations be by himself or by any subcontractor, or anyone directly or indirectly employed by either of them. This insurance shall be written for not less than any limits of liability specified herein and shall name Elkhart County as an additional insured.

1.12.2 Contractor's Insurance:

The types and minimum amount of insurance to be provided for by the Contractor shall be as follows:

a) Workmen's Compensation and Occupational Disease Insurance

The Contractor shall provide Workmen's Compensation and Occupational Disease Insurance as required by law. Such policy shall specifically include coverage for the State of Indiana, and such adjoining states as required by the Contractor's operations.

b) Employer's Liability Insurance

The Contractor shall provide Employer's Liability with a minimum coverage of \$1,000,000.

c) Comprehensive General Liability Insurance

The Contractor shall maintain a Comprehensive General Liability form of Insurance with bodily injury of not less than \$1,000,000 for any one (1) occurrence, and \$2,000,000 aggregate. The insurance policy shall include the following:

- 1. Premises Operations: The policy shall include coverage for the following special hazards when applicable to the project:
 - i) Property damage arising out of blasting or explosion.
 - ii) Property damage arising out of collapse of or structural injury to any building or structure due to grading of land, excavation, borrowing, filling, backfilling, tunneling, pile driving, cofferdam work or caisson work or to moving, shoring, underpinning, raising, or demolition of any building or structure or rebuilding of any structural support thereof.
 - iii) Injury to or destruction of wires, conduits, pipes, mains, sewers, and other similar property of any apparatus in connection therewith below the surface of ground, if caused by use of mechanical equipment.
- 2. Contractual (Broad Form Indemnification): The Contractor agrees to indemnify and save harmless the Owner and the Engineer, their agents and employees, from and against all loss or expense (including costs and attorneys' fees) by reason of liability imposed by law upon the Owner or the Engineer for damages because of bodily injury, including death, at any time resulting there from, sustained by any person or persons or an account of damage to property is due or claimed to be due to negligence of the Contractor, his Subcontractors, employees or agents.
- 3. Contractor's Protective: The Contractor shall maintain this type of coverage on a "Blanket" basis to cover the operations of any subcontractors.

d) Automobile Liability Insurance

The Contractor shall maintain Comprehensive Automobile Liability Insurance with bodily injury liability limits of not less than \$1,000,000 for one (1) occurrence and \$2,000,000 aggregate. This coverage may be provided either as a separate policy or as part of the Comprehensive General Liability Policy described previously. The automobile insurance must include coverage for all owned, non-owned and hired vehicles.

e) Furnish Indiana State Forms No. 19 (Workmen's Compensation) and No.105 (Occupational Disease Act).

f) Umbrella Policy Insurance

The Contractor shall maintain a minimum \$3,000,000 Umbrella Policy in addition to their primary insurance.

1.13 Proof of Carriage Insurance

- 1.13.1 Contractor shall not commence work until he has obtained all insurance specified herein, has filed with the Owner one (1) copy of Certificate of Insurance, and such insurance has been approved by the Owner.
- 1.13.2 Should any Coverage approach expiration during the Contract period, it shall be renewed prior to its expiration, and certificate again filed with the Owner.
- 1.13.3 If any of such policies are canceled or are changed so as to reduce the coverage evidenced by the Certificate, at least ten (10) days prior written notice by registered mail of such cancellation or change shall be sent to the Owner.
- 1.13.4 All insurance provided for under this Section shall be written by Insurance Companies licensed to do business in Indiana and Countersigned by resident Indiana agent. The insurance company shall file with the Owner, one (1) copy of Affirmation of Authority, on the form furnished by the Engineer, as verification of the resident agent.
- 1.13.5 All insurance shall be maintained in full force and effect until the Contract has been fully and completely performed.

1.14 Performance and Payment Bond

The Contractor shall furnish a Performance and Payment Bond (form attached) equal to one hundred percent (100%) of the Contract Price.

ARTICLE 2 - CONTRACT DOCUMENTS: INTENT, AMENDING, REUSE

2.1 Intent

The Contract Documents comprise the entire agreement between OWNER and CONTRACTOR concerning the Work. The Contract Documents are complementary; what is called for by one is as binding as if called for by all. The Contract Documents will be construed in accordance with the law of the place of the Project.

2.1.1 It is the intent of the Contract Documents to describe a functionally complete

Project (or part thereof) to be constructed in accordance with the Contract Documents. Any Work, materials or equipment that may reasonably be inferred from the Contract Documents as being required to produce the intended result will be supplied whether or not specifically called for.

2.1.2 If during the performance of the Work, CONTRACTOR finds a conflict, error or discrepancy in the Contract Documents, CONTRACTOR shall so report to ENGINEER in writing at once and before proceeding with the Work affected thereby shall obtain a written interpretation or clarification from ENGINEER; however, CONTRACTOR shall not be liable to OWNER or ENGINEER for failure to report any conflict, error or discrepancy in the Contract Documents unless CONTRACTOR had actual knowledge thereof or should reasonably have known thereof.

2.2Amending and Supplementing Contract Documents:

The Contract Documents may be amended to provide for additions, deletions and revisions in the Work or to modify the terms and conditions thereof in one or more of the following ways:

- 2.2.1 A formal Written Amendment,
- 2.2.2 A Change Order, or
- 2.2.3 A Work Directive Change (pursuant to paragraph 8.1).

In addition, the requirements of the Contract Documents may be supplemented and minor variations and deviations in the Work may be authorized, in one or more of the following ways:

- 2.2.4 A Field Order,
- 2.2.5 ENGINEER's approval of a Shop Drawing or sample, or
- 2.2.6 ENGINEER's written interpretation or clarification.

ARTICLE 3 - AVAILABILITY OF LANDS; PHYSICAL CONDITIONS; REFERENCE POINTS

3.1 Availability of Lands

OWNER shall indicate, as shown in the Contract Documents, the lands upon which the Work is to be performed, rights-of-way and easements for access thereto, and such other lands which are designated for the use of CONTRACTOR. Easements for permanent structures or permanent changes in existing facilities will be obtained and paid for by OWNER, unless otherwise provided in the Contract Documents. If CONTRACTOR believes that any delay in OWNER's furnishing these lands, rights-of-way or easements

entitles CONTRACTOR to an extension of the Contract Time, CONTRACTOR may make a claim for an extension of Contract Time.

3.2 Physical Conditions - Underground Facilities

The information and data shown or indicated in the Contract Documents with respect to existing Underground Facilities at or contiguous to the site is based on information and data furnished to OWNER or ENGINEER by the owners of such Underground Facilities or by others. Unless it is otherwise expressly provided in the Supplementary Conditions:

- 3.2.1 OWNER and ENGINEER shall not be responsible for the accuracy or completeness of any such information or data; and,
- 3.2.2 CONTRACTOR shall have full responsibility for reviewing and checking all such information and data, for locating all Underground Facilities shown or indicated in the Contract Documents, for coordination of the Work with the owners of such Underground Facilities during construction, for the safety and protection thereof, and repairing any damage thereto resulting from the Work, the cost of all of which will be considered as having been included in the Contract Price.

3.3 Not Shown or Indicated

If an Underground Facility is uncovered or revealed at or contiguous to the site which was not shown or indicated in the Contract Documents and which CONTRACTOR could not reasonably have been expected to be aware of, CONTRACTOR shall, promptly after becoming aware thereof and before performing any Work affected thereby (except in an emergency) as permitted by paragraph 4.2.1, identify the owner of such Underground Facility and give written notice thereof to that owner and to OWNER and ENGINEER. ENGINEER will promptly review the Underground Facility to determine the extent to which the Contract Documents should be modified to reflect and document the consequences of the existence of the Underground Facility, and the Contract Documents will be amended or supplemented to the extent necessary. During such time, CONTRACTOR shall be responsible for the safety and protection of such Underground Facility. CONTRACTOR shall be allowed an increase in the Contract Price or an extension of the Contract Time, or both, to the extent that they are attributable to the existence of any Underground Facility.

3.4Assignment of Contract

The Contractor shall not assign this Contract or any part hereof without prior consent of the Owner.

ARTICLE 4 - CONTRACTOR'S RESPONSIBILITIES

4.1 Supervision and Superintendence

- 4.1.1 CONTRACTOR shall supervise and direct the Work competently and efficiently, devoting such attention thereto and applying such skills and expertise as may be necessary to perform the Work in accordance with the Contract Documents. CONTRACTOR shall be solely responsible for the means, methods, techniques, sequences and procedures of construction, but CONTRACTOR shall not be responsible for the negligence of others in the design or selection of a specific means, method, technique, sequence or procedure of construction which is indicated in and required by the Contract Documents. CONTRACTOR shall be responsible to see that the finished Work complies accurately with the Contract Documents.
- 4.1.2 CONTRACTOR shall keep on the Work at all times during its progress a competent resident superintendent, who shall not be replaced without written notice to OWNER and ENGINEER except under extraordinary circumstances. The superintendent will be CONTRACTOR's representative at the site and shall have authority to act on behalf of CONTRACTOR. All communications given to the superintendent shall be as binding as if given to CONTRACTOR.

4.2Labor, Materials and Equipment

- 4.2.1 CONTRACTOR shall provide competent, suitably qualified personnel to survey and lay out the Work and perform construction as required by the Contract Documents. CONTRACTOR shall at all times maintain good discipline and order at the site, particularly in connection with the safety or protection of persons or the Work or property at the site or adjacent thereto, and except as otherwise indicated in the Contract Documents.
- 4.2.2 Unless otherwise specified in the General Conditions, CONTRACTOR shall furnish and assume full responsibility for all materials, equipment, labor, transportation, construction equipment and machinery, tools, appliances, fuel, power, light, heat, telephone, water, sanitary facilities, temporary facilities and all other facilities and incidentals necessary for the furnishing, performance, testing, start-up and completion of the Work.
- 4.2.3 All materials and equipment shall be of good quality and new, except as otherwise provided in the Contract Documents. If required by ENGINEER, CONTRACTOR shall furnish satisfactory evidence (including reports of required tests) as to the kind and quality of materials and equipment. All materials and equipment shall be applied, installed, connected, erected, used, cleaned and conditioned in accordance with the instructions of the applicable Supplier except as otherwise provided in the Contract Documents.

4.3 Substitutes or "Or-Equal" Items

4.3.1 Whenever materials or equipment are specified or described in the Contract

Documents by using the name of a proprietary item or the name of a particular Supplier the naming of the item is intended to establish the type, function and quality required. Unless the name is followed by words indicating that no substitution is permitted, materials or equipment of other Suppliers may be accepted by ENGINEER if sufficient information is submitted by CONTRACTOR to allow ENGINEER to determine that the material or equipment proposed is equivalent or equal to that named. The procedure for review by ENGINEER will include the following as supplemented in the General Conditions. Requests for review of substitute items of material and equipment will not be accepted by ENGINEER from anyone other than CONTRACTOR. If CONTRACTOR wishes to furnish or use a substitute item of material or equipment, CONTRACTOR shall make written application to ENGINEER for acceptance thereof, certifying that the proposed substitute will perform adequately the functions and achieve the results called for by the general design, be similar and of equal substance to that specified and be suited to the same use as that specified. The application will state that the evaluation and acceptance of the proposed substitute will not prejudice CONTRACTOR's achievement of Substantial Completion on time, whether or not acceptance of the substitute for use in the Work will require a change in any of the Contract Documents. All variations of the proposed substitute from that specified will be identified in the application and available maintenance, repair and replacement service will be indicated. The application will also contain an itemized estimate of all costs that will result directly or indirectly from acceptance of such substitute, including costs of redesign and claims of other contractors affected by the resulting change, all of which shall be considered by ENGINEER in evaluating the proposed substitute. ENGINEER may require CONTRACTOR to furnish at CONTRACTOR's expense additional data about the proposed substitute.

- 4.3.2 If a specific means, method, technique, sequence or procedure of construction is indicated in or required by the Contract Documents, CONTRACTOR may furnish or utilize a substitute means, method, sequence, technique or procedure of construction acceptable to ENGINEER, if CONTRACTOR submits sufficient information to allow ENGINEER to determine that the substitute proposed is equivalent to that indicated or required by the Contract Documents.
- 4.3.3 ENGINEER will be allowed a reasonable time within which to evaluate each proposed substitute. ENGINEER will be the sole judge of acceptability, and no substitute will be ordered, installed or utilized without ENGINEER's prior written acceptance which will be evidenced by either a Change Order or an approved Shop Drawing. OWNER may require CONTRACTOR to furnish at CONTRACTOR's expense a special performance guarantee or other surety with respect to any substitute. ENGINEER will record time required by ENGINEER and ENGINEER's consultants in evaluating substitutions proposed by CONTRACTOR and in making changes in the Contract Documents occasioned thereby. Whether or not ENGINEER accepts a proposed substitute, CONTRACTOR shall reimburse OWNER for the charges of ENGINEER and ENGINEER's consultants for evaluating each proposed substitute.

4.4 Contractor Responsibility

CONTRACTOR shall be fully responsible to OWNER and ENGINEER for all acts and omissions of the Subcontractor, Suppliers and other persons and organizations performing or furnishing any of the Work under a direct or indirect contract with CONTRACTOR just as CONTRACTOR is responsible for CONTRACTOR's own acts and omissions. Nothing in the Contract Documents shall create any contractual relationship between OWNER or ENGINEER and any such Subcontractor, Supplier or other person or organization, nor shall it create any obligation on the part of OWNER or ENGINEER to pay or to see to the payment of any monies due any such Subcontractor, Supplier or other person or organization except as may otherwise be required by Laws and Regulations.

4.5 Subcontractor Responsibility

All Work performed for CONTRACTOR by a Subcontractor will be pursuant to an appropriate agreement between CONTRACTOR and the Subcontractor which specifically binds the Subcontractor to the applicable terms and conditions of the Contract Documents for the benefit of OWNER and ENGINEER.

4.6 Permits

Unless otherwise provided in the General Conditions, CONTRACTOR shall obtain and pay for all construction permits and licenses.

4.7 Laws and Regulations

- 4.7.1 CONTRACTOR shall give all notices and comply with all Laws and Regulations applicable to furnishing and performance of the Work. Except where otherwise expressly required by applicable Laws and Regulations, neither OWNER nor ENGINEER shall be responsible for monitoring CONTRACTOR's compliance with any Laws or Regulations.
- 4.7.2 If CONTRACTOR observes that the Specifications or Drawings are at variance with any Laws or Regulations, CONTRACTOR shall give ENGINEER prompt written notice thereof, and any necessary changes will be authorized by one of the methods indicated in paragraph 2.2. If CONTRACTOR performs any Work knowing or having reason to know that it is contrary to such Laws or Regulations, and without such notice to ENGINEER, CONTRACTOR shall bear all costs arising therefrom; however, it shall not be CONTRACTOR's primary responsibility to make certain that the Specifications and Drawings are in accordance with such Laws and Regulations.

4.8Taxes

CONTRACTOR shall pay all sales, consumer, use and other similar taxes required to be

paid by CONTRACTOR in accordance with the Laws and Regulations of the place of the Project which are applicable during the performance of the Work.

4.9Use of Premises

- 4.9.1 CONTRACTOR shall confine construction equipment, the storage of materials and equipment and the operations of workers to the Project site and land and areas identified in and permitted by the Contract Documents and other land and areas permitted by Laws and Regulations, rights-of-way, permits and easements, and shall not unreasonably encumber the premises with construction equipment or other materials or equipment. CONTRACTOR shall assume full responsibility for any damage to any such land or area, or to the owner or occupant thereof or of any land or areas contiguous thereto, resulting from the performance of the Work. Should any claim be made against OWNER or ENGINEER by any such owner or occupant because of the performance of the Work, CONTRACTOR shall promptly attempt to settle with such other party by agreement or otherwise resolve the claim by arbitration or at law. CONTRACTOR shall, to the fullest extent permitted by Laws and Regulations, indemnify and hold OWNER and ENGINEER harmless from and against all claims, damages, losses and expenses (including, but not limited to, fees of engineers, architects, attorneys and other professionals and court and arbitration costs) arising directly, indirectly or consequentially out of any action, legal or equitable, brought by any such other party against OWNER or ENGINEER to the extent based on a claim arising out of CONTRACTOR's performance of the Work.
- 4.9.2 During the progress of the Work, CONTRACTOR shall keep the premises free from accumulations of waste materials, rubbish and other debris resulting from the Work. At the completion of the Work CONTRACTOR shall remove all waste materials, rubbish and debris from and about the premises as well as all tools, appliances, construction equipment and machinery, and surplus materials, and shall leave the site clean and ready for occupancy by OWNER. CONTRACTOR shall restore to original condition all property not designated for alteration by the Contract Documents.
- 4.9.3 CONTRACTOR shall not load nor permit any part of any structure to be loaded in any manner that will endanger the structure, nor shall CONTRACTOR subject any part of the Work or adjacent property to stresses or pressures that will endanger it.

4.10 Record Documents

CONTRACTOR shall maintain in a safe place at the site one (1) record copy of all Drawings, Specifications, Addenda, Written Amendments, Change Orders, Work Directive Changes, Field Orders and written interpretations and clarifications issued in good order and annotated to show all changes made during construction. These record documents together with all approved samples and a counterpart of all approved Shop Drawings will be available to ENGINEER for reference. Upon completion of the Work,

these record documents, samples and Shop Drawings will be delivered to ENGINEER for OWNER.

4.11 Safety and Protection

- 4.11.1 CONTRACTOR shall be responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the Work. CONTRACTOR shall take all necessary precautions for the safety of, and shall provide the necessary protection to prevent damage, injury or loss to:
 - a) All employees on the Work and other persons and organizations who may be affected thereby;
 - b) All the Work and materials and equipment to be incorporated therein, whether in storage on or off the site; and
 - c) Other property at the site or adjacent thereto, including trees, shrubs, lawns, walks, pavements, roadways, structures, utilities and Underground Facilities not designated for removal, relocation or replacement in the course of construction.
- 4.11.2 CONTRACTOR shall comply with all applicable Laws and Regulations of any public body having jurisdiction for the safety of persons or property or to protect them from damage, injury or loss; and shall erect and maintain all necessary safeguards for such safety and protection. CONTRACTOR shall notify owners of adjacent property and of Underground Facilities and utility owners when prosecution of the Work may affect them, and shall cooperate with them in the protection, removal, relocation and replacement of their property. All damage, injury or loss to any property referred to in paragraph 4.11.1(b) or 4.11.1(c) caused, directly or indirectly, in whole or in part, by CONTRACTOR, any Subcontractor, Supplier or any other person or organization directly or indirectly employed by any of them to perform or furnish any of the Work or anyone for whose acts any of them may be liable, shall be remedied by CONTRACTOR.
- 4.11.3 CONTRACTOR shall designate a responsible representative at the site whose duty shall be the prevention of accidents. This person shall be CONTRACTOR's superintendent unless otherwise designated in writing by CONTRACTOR to OWNER.

4.12 Emergencies

In emergencies affecting the safety or protection of persons or the Work or property at the site or adjacent thereto, CONTRACTOR, without special instruction or authorization from ENGINEER or OWNER, is obligated to act to prevent threatened damage, injury or loss. CONTRACTOR shall give ENGINEER prompt written notice if CONTRACTOR believes that any significant changes in the Work or variations from the Contract Documents have been caused thereby. If ENGINEER determines that a change in the

Contract Documents is required because of the action taken in response to an emergency, a Work Directive Change or Change Order will be issued to document the consequences of the changes or variations.

4.13 Shop Drawings and Samples

- 4.13.1 After checking and verifying all field measurements and after complying with applicable procedures specified in the General Conditions, CONTRACTOR shall submit to ENGINEER for review and approval three (3) copies of all Shop Drawings. All submissions will be identified as ENGINEER may require. The data shown on the Shop Drawings will be complete with respect to quantities, dimensions, specified performance and design criteria, materials and similar data to enable ENGINEER to review the information as required.
- 4.13.2 CONTRACTOR shall also submit to ENGINEER for review and approval with such promptness as to cause no delay in Work, all samples required by the Contract Documents.
- 4.13.3 At the time of each submission, CONTRACTOR shall give ENGINEER specific written notice of each variation that the Shop Drawings or samples may have from the requirements of the Contract Documents, and, in addition, shall cause a specific notation to be made on each Shop Drawing submitted to ENGINEER for review and approval of each such variation.
- 4.13.4 ENGINEER will review and approve with reasonable promptness Shop Drawings and samples, but ENGINEER's review and approval will be only for conformance with the design concept of the Project and for compliance with the information given in the Contract Documents and shall not extend to means, methods, techniques, sequences or procedures of construction.
- 4.13.5 ENGINEER's review and approval of Shop Drawings or samples shall not relieve CONTRACTOR from responsibility for any variation from the requirements of the Contract Documents unless CONTRACTOR has in writing called ENGINEER's attention to each such variation at the time of submission.
- 4.13.6 Where a Shop Drawing or sample is required by the Specifications, any related Work performed prior to ENGINEER's review and approval of the pertinent submission will be the sole expense and responsibility of CONTRACTOR.

4.14 Continuing the Work

CONTRACTOR shall carry on the Work and adhere to the progress schedule during all disputes or disagreements with OWNER. No Work shall be delayed or postponed pending resolution of any disputes or disagreements, except as permitted by paragraph 13.4 or as CONTRACTOR and OWNER may otherwise agree in writing.

4.15 Indemnification:

To the fullest extent permitted by Laws and Regulations CONTRACTOR shall indemnify and hold harmless OWNER and ENGINEER and their consultants, agents and employees from and against all claims, damages, losses, and expenses, direct, indirect or consequential (including but not limited to fees and charges of engineer, architects, attorneys and other professionals and court and arbitration costs) arising out of or resulting from the performance of the Work, provided that any such claim, damage, loss or expense:

- 4.15.1 (a) is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the Work itself) including the loss of use resulting there from and (b) is caused in whole or in part by any negligent act or omission of CONTRACTOR, any Subcontractor, any person or organization directly or indirectly employed by any of them to perform or furnish any of the Work or anyone for whose acts any of them may be liable, regardless of whether or not it is caused in part by a party indemnified hereunder or arises by or is imposed by Law and Regulations regardless of the negligence of any such party.
- 4.15.2 In any and all claims against OWNER or ENGINEER or any of their consultants, agents or employees by any employee of CONTRACTOR, any Subcontractor, any person or organization directly or indirectly employed by any of them to perform or furnish any of the Work or anyone for whose acts any of them may be liable, the indemnification obligation under paragraph 1.12.2 (c)2 shall not be limited in any way by any limitation on the amount or type of damages, compensation or benefits payable by or for CONTRACTOR or any such Subcontractor or other person or organization under workers' or workmen's compensation acts, disability benefit acts or other employee benefit acts.

4.16 Sanitation

- 4.16.1 The Contractor shall introduce and enforce among his employees, such regulations in regard to cleanliness and the disposal of garbage and wastes as shall comply with the Local ordinances. The Contractor shall take such means as the Owner may direct to effectually prevent the creation of a nuisance at the work site or any part of the property of the Owner. Under no circumstances shall the Contractor create or maintain a nuisance. The Contractor shall construct toilets and maintain them in a sanitary condition, properly secluded from public observation at such points as shall be approved.
- 4.16.2 All waste, rubbish and debris whether personal or from construction related processes shall be removed from the job site and adjacent properties by hauling away and shall not be buried or discarded.

4.17 Road Closing Requirements

Work within the road right-of-way that necessitates a full closure of the road or any lane restrictions requires that the contractor notify **48 hours prior to the commencement of work** all that apply from the following list:

ROAD CLOSING - NOTIFICATION NUMBERS

Fax, call, or mail notification of road/bridge closing to the appropriate people

Please note date of successful notification

POLICE, FIRE, EMS

Elkhart County PSCC (911 Center) 533-4151

SC	H	00	OLS
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OOHOOLO		
Baugo	293-8583	fax:
Concord	875-6577	fax: 875-1617
		fax: 875-8762
Elkhart	262-5695	fax: 262-5750
Fairfield		fax:
Goshen		fax:
Middlebury		fax:
Northwood		fax:
		. 5.7
POST OFFICES		
Bristol	848-4713	fax: 533-9998
Elkhart		fax: 293-5501
Goshen		fax: 533-8077
Middlebury		fax:
Wakarusa		fax:
vvakarusa	002-2010	IdX.
NEW MEDIA		
NEWS MEDIA	004.4004	f 004 000F
Elkhart Truth		fax: 294-3895
Goshen News	533-2151	fax: 534-8830
Channel 16	574-631-1616	fax: 293-3297
		fax: 631-1639
Channel 22		fax: 289-0622
Channel 28	574-679-4545	fax: 522-7609

OTHERS:

Elkhart	County	Hwy	533-0538
Elkhart	County	Eng	534-9394

Elkhart County requires a written notification of the agencies notified, including time and date of successful notification. This notification must be given to Elkhart County Highway 24 hours prior to road closings or lane restrictions. This may be faxed to Elkhart County Highway.

The Contractor shall notify all applicable offices, agencies, media and schools, including Elkhart County Highway 24 hours prior to the removal of any lane restrictions or closures.

The Contractor shall coordinate the specific timing of the activation of any new signalization system, reopening, etc. When practical, the Contractor shall provide access through the site for emergency vehicle traffic.

ARTICLE 5 - OTHER WORK

5.1 Related Work at Site

OWNER may perform other work related to the Project at the site by OWNER's own forces, have work performed by utility owners, or let other direct contracts.

5.1.1 CONTRACTOR shall afford each utility owner and other contractor who is a party to such a direct contract (or OWNER, if OWNER is performing the additional work with OWNER's employees) proper and safe access to the site and a reasonable opportunity for the introduction and storage of materials and equipment and the execution of such work, and shall properly connect and coordinate the Work with theirs, CONTRACTOR shall do all cutting, fitting and patching of the Work that may be required to make its several parts come together properly and integrate with such other work.

ARTICLE 6 - OWNER'S RESPONSIBILITIES

6.1 Communication

OWNER shall issue all communications to CONTRACTOR through ENGINEER.

6.2Appointment of Engineer

In case of termination of the employment of ENGINEER, OWNER shall appoint an engineer whom CONTRACTOR makes no reasonable objection to, whose status under the Contract Documents shall be that of the former ENGINEER. Any dispute in connection with such appointment shall be subject to arbitration.

6.3Payment

OWNER shall furnish the data required of OWNER under the Contract Documents promptly and shall make payments to CONTRACTOR promptly after they are due.

6.4 Change Orders

OWNER is obligated to execute Change Orders as indicated in paragraph 8.4.

6.5 Inspection

OWNER's responsibility in respect of certain inspections, tests and approvals is set forth in paragraph 11.3.

6.6 Service Termination

In connection with OWNER's right to stop Work or suspend Work, see paragraphs 11.5 and 13.1. Paragraph 13.2 deals with OWNER's right to terminate services of CONTRACTOR under certain circumstances.

ARTICLE 7 - ENGINEER'S STATUS DURING CONSTRUCTION

7.10wner's Representative

ENGINEER will be OWNER's representative during the construction period. The duties and responsibilities and the limitations of authority of ENGINEER as OWNER's representative during construction are set forth in the Contract Documents and shall not be extended without written consent of OWNER and ENGINEER.

7.2 Visits to Site

ENGINEER will make visits to the site at intervals appropriate to the various stages of construction to observe the progress and quality of the executed Work and to determine, in general, if the Work is proceeding in accordance with the Contract Documents. ENGINEER will not be required to make exhaustive or continuous on-site inspections to check the quality or quantity of the Work. ENGINEER's efforts will be directed toward providing for OWNER a greater degree of confidence that the completed Work will conform to the Contract Documents. On the basis of such visits and on-site observations as an experienced and qualified design professional, ENGINEER will keep OWNER informed of the progress of the Work and will endeavor to guard OWNER against defects and deficiencies in the Work.

7.3 Project Representation

If OWNER and ENGINEER agree, ENGINEER will furnish a Resident Project Representative to assist ENGINEER in observing the performance of the Work.

7.4 Clarifications and Interpretations

ENGINEER will issue with reasonable promptness such written clarifications or interpretations of the requirements of the Contract Documents (in the form of Drawings or otherwise) as ENGINEER may determine necessary, which shall be consistent with or reasonably inferable from the overall intent of the Contract Documents.

7 5 Authorized Variations in Work

ENGINEER may authorize minor variations in the Work from the requirements of the Contract Documents which do not involve an adjustment in the Contract Price or the Contract Time and are consistent with the overall intent of the Contract Documents.

These may be accomplished by a Field Order and will be binding on OWNER, and also on CONTRACTOR who shall perform the Work involved promptly.

7.6 Rejecting Defective Work

ENGINEER will have authority to disapprove or reject Work which ENGINEER believes to be defective, and will also have authority to require special inspection or testing of the Work at CONTRACTOR'S expense.

7.7 Decisions on Disputes

- 7.7.1 ENGINEER will be the initial interpreter of the requirements of the Contract Documents and judge of the acceptability of the Work thereunder. Claims, disputes and other matters relating to the acceptability of the Work or the interpretation of the requirements of the Contract Documents pertaining to the performance and furnishing of the Work and claims under Articles 9 and 10 in respect to changes in the Contract Price or Contract Time will be referred initially to ENGINEER in writing with a request for a formal decision in accordance with this paragraph, which ENGINEER will render in writing within a reasonable time. Written notice of each such claim, dispute and other matter will be delivered by the claimant to ENGINEER and the other party to the Agreement promptly (but in no event later than thirty (30) days) after the occurrence of the event giving rise thereto, and written supporting data will be submitted to ENGINEER and the other party within sixty (60) days after such occurrence unless ENGINEER allows an additional period of time to ascertain more accurate data in support of the claim.
- 7.7.2 When functioning as interpreter and judge under paragraphs 7.7.1 ENGINEER will not show partiality to OWNER or CONTRACTOR and will not be liable in connection with any interpretation or decision rendered in good faith in such capacity.

7.8Limitations on Engineer's Responsibilities

Neither ENGINEER's authority to act under this Article 7 or elsewhere in the Contract Documents nor any decision made by ENGINEER in good faith either to exercise or not exercise such authority shall give rise to any duty or responsibility of ENGINEER to CONTRACTOR, any Subcontractor, any Supplier, or any other person or organization performing any of the Work, or to any surety for any of them.

- 7.8.1 ENGINEER will not be responsible for CONTRACTOR's means, methods, techniques, sequences or procedures of construction, or the safety precautions and programs incident thereto, and ENGINEER will not be responsible for CONTRACTOR's failure to perform or furnish the Work in accordance with the Contract Documents.
- 7.8.2 ENGINEER will not be responsible for the acts or omissions of

CONTRACTOR or of any Subcontractor, any Supplier, or of any other person or organization performing or furnishing any of the Work.

ARTICLE 8 - CHANGES IN THE WORK

8.1 Work Modifications

Without invalidating the Agreement and without notice to any surety, OWNER may, at any time or from time to time, order additions, deletions or revisions in the Work; these will be authorized by a Written Amendment, a Change Order, or a Work Directive Change. Upon receipt of any such document, CONTRACTOR shall promptly proceed with the Work involved which will be performed under the applicable conditions of the Contract Documents (except as otherwise specifically provided).

8.2Disagreement

If OWNER and CONTRACTOR are unable to agree as to the extent, if any, of an increase or decrease in the Contract Price or an extension or shortening of the Contract Time that should be allowed as a result of a Work Directive Change, a claim may be made therefore as provided in Article 9 or Article 10.

8.3 Contract Price and Time

CONTRACTOR shall not be entitled to an increase in the Contract Price or an extension of the Contract Time with respect to any Work performed that is not required by the Contract Documents.

8.4 Change orders

OWNER and CONTRACTOR shall execute appropriate Change Orders covering:

- 8.4.1 Changes in the Work which is ordered by OWNER.
- 8.4.2 Changes in the Contract Price or Contract Time which are agreed to by the parties.
- 8.4.3 Changes in the Contract Price or Contract Time which embody the substance of any written decision rendered by ENGINEER.

8.5 Notification of Change

If notice of any change affecting the general scope of the Work or the provisions of the Contract Documents is required by the provisions of any Bond to be given to a surety, the giving of any such notice will be CONTRACTOR's responsibility, and the amount of each applicable Bond will be adjusted accordingly.

ARTICLE 9 - CHANGE OF CONTRACT PRICE

The Contract Price constitutes the total compensation (subject to authorized adjustments) payable to CONTRACTOR for performing the Work. All duties, responsibilities and obligations assigned to or undertaken by CONTRACTOR shall be at his expense without change in the Contract Price.

9.1 Change Order

The Contract Price may only be changed by a Change Order or by a Written Amendment.

9 2 Determination of Contract Price

The value of any Work covered by a Change Order (extra work order) for an increase or decrease in the Contract Price shall be determined in one of the following ways:

- 9.2.1 Where the Work involved is covered by unit prices contained in the Contract Documents, by application of unit prices to the quantities of the items involved.
- 9.2.2 On the basis of the actual Cost of the Work, plus the allowable Contractor's mark-up as per INDOT Specification 109.05 added thereon for overhead and profit.

9.3 Cost of the Work

The term Cost of the Work means the sum of all costs necessarily incurred and paid by CONTRACTOR in the proper performance of the Work. The term Cost of the Work shall **not** include any of the following:

- 9.3.1 Payroll costs and other compensation of CONTRACTOR's officers, executives, principals (of partnership and sole proprietorships), general managers, attorneys, auditors, accountants, purchasing and contracting agents, CONTRACTOR whether at the site or in CONTRACTOR's principal or a branch office for general administration of the Work.
- 9.3.2 Expenses of CONTRACTOR's principal and branch offices other than CONTRACTOR's office at the site.
- 9.3.3 Any part of CONTRACTOR's capital expenses, including interest on CONTRACTOR's capital employed for the Work and charges against CONTRACTOR for delinquent payments.
- 9.3.4 Cost of premiums for all Bonds and for all insurance whether or not CONTRACTOR is required by the Contract Documents to purchase and maintain the same.
- 9.3.5 Costs due to the negligence of CONTRACTOR, any Subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable, including but not limited to, the correction of defective Work, disposal of materials or equipment wrongly supplied and making good any damage to property.

ARTICLE 10 - CHANGE OF CONTRACT TIME

The Contract Time may only be changed by a Change Order or a Written Amendment. Any claim for an extension or shortening of the Contract Time shall be based on written notice delivered by the party making the claim to the other party and to ENGINEER promptly (but in no event later than fifteen (15) days) after the occurrence of the event giving rise to the claim and stating the general nature of the claim. Notice of the extent of the claim with supporting data shall be delivered within thirty (30) days after such occurrence (unless ENGINEER allows an additional period of time to ascertain more accurate data in support of the claim) and shall be accompanied by the claimant's written statement that the adjustment claimed is the entire adjustment to which the claimant has reason to believe it is entitled as a result of the occurrence of said event. All claims for adjustment in the Contract Time shall be determined by ENGINEER.

No extension of Contract Time shall be allowed for weather, changes in quantities placed, or ENGINEER review times set forth in this contract.

ARTICLE 11 - WARRANTY AND GUARANTEE; TESTS AND INSPECTIONS; CORRECTION, REMOVAL OR ACCEPTANCE OF DEFECTIVE WORK

11.1 Warranty and Guarantee

CONTRACTOR warrants and guarantees to OWNER and ENGINEER that all Work will be in accordance with the Contract Documents and will not be defective. Prompt notice of all defects shall be given to CONTRACTOR. All defective Work, whether or not in place, may be rejected, corrected or accepted as provided in this Article 11.

11.2 Access to Work

ENGINEER and ENGINEER's representatives, other representatives of OWNER, testing agencies and governmental agencies with jurisdictional interests will have access to the Work at reasonable times for their observation, inspecting and testing. CONTRACTOR shall provide proper and safe conditions for such access.

11.3 Tests and Inspections

CONTRACTOR shall give ENGINEER timely notice of readiness of the Work for all required inspections, tests or approvals.

- 11.3.1 If Laws or Regulations of any public body having jurisdiction require any Work (or part thereof) to specifically be inspected, tested or approved, CONTRACTOR shall assume full responsibility therefore, pay all costs in connection therewith and furnish ENGINEER the required certificates of inspection, testing or approval.
- 11.3.2 The Contractor shall assume full responsibility for paying all costs in connection with testing or certification of materials required under INDOT Standard Specifications. In the case of failed or rejected materials or product used in construction of the project either by CONTRACTOR or SUBCONTRACTORS, independent third-party testing may be used at CONTRACTOR'S expense.
- 11.3.3 If any Work (including the work of others) that is to be inspected, tested or approved is covered without written concurrence of ENGINEER, it must, if requested by ENGINEER, be uncovered for observation. Such uncovering shall be at CONTRACTOR's expense unless CONTRACTOR has given ENGINEER timely notice of CONTRACTOR's intention to cover the same and ENGINEER has not acted with reasonable promptness in response to such notice.
- 11.3.4 Neither observations by ENGINEER nor inspections, tests or approvals by others shall relieve CONTRACTOR from CONTRACTOR's obligations to perform the Work in accordance with the Contract Documents.

11.4 Uncovering Work

11.4.1 If any Work is covered contrary to the written request of ENGINEER, it must, if requested by ENGINEER, be uncovered for ENGINEER's observation and replaced at CONTRACTOR's expense.

11.4.2 If ENGINEER considers it necessary or advisable that covered Work be observed by ENGINEER or inspected or tested by others, CONTRACTOR, at ENGINEER's request, shall uncover, expose or otherwise make available for observation, inspection or testing as ENGINEER may require, that portion of the Work in question, furnishing all necessary labor, material and equipment.

11.5 Owner May Stop the Work

If the Work is defective, or CONTRACTOR fails to supply sufficient skilled workers or suitable materials or equipment, or fails to furnish or perform the Work in such a way that the completed Work will conform to the Contract Documents, OWNER may order CONTRACTOR to stop the Work, or any portion thereof, until the cause for such order has been eliminated.

11.6 Correction or Removal of Defective Work

If required by ENGINEER, CONTRACTOR shall promptly, as directed, either correct all defective Work, whether or not fabricated, installed or completed, or, if the Work has been rejected by ENGINEER, remove it from the site and replace it with non-defective Work. CONTRACTOR shall bear all direct, indirect and consequential costs of such correction or removal (including but not limited to fees and charges of engineers, attorneys and other professionals) made necessary thereby.

11.7 Three Years Correction Period

If, within three (3) years after the date of Final Acceptance, any Work is found to be defective, CONTRACTOR shall promptly, without cost to OWNER and in accordance with OWNER's written instructions, either correct such defective Work, or, if it has been rejected by OWNER and/or Engineer remove it from the site and replace it with non-defective work. If CONTRACTOR does not promptly comply with the terms of such instructions, or in an emergency where delay would cause serious risk of loss or damage, OWNER may have the defective Work corrected or the rejected Work removed and replaced, and all direct, indirect and consequential costs of such removal and replacement (including but not limited to fees and charges of engineers, attorneys and other professionals) will be paid by CONTRACTOR.

11.8 Maintenance Bond

Each Contractor shall furnish prior to Final Acceptance a Maintenance Bond (form attached) in an amount at least equal to ten percent (10%) of the Contract Price,

guaranteeing for a period of three (3) years after the date of acceptance by the Owner, that all workmanship and materials entered into the Contract are in accordance with the Plans and Specifications. Each Contractor shall remove any defects due to faulty workmanship and/or materials and shall pay for any damage to other work resulting there from which shall appear within the guarantee period. Should such quality assurance tests, as are called for in the contract Plans and Specifications (e.g., roll test, density, concrete strength, etc.), not be performed or if the work is not performed within reasonable conformity to the Plans and Specifications, the maintenance bond period may be extended to six (6) years.

11.9 Acceptance of Defective Work:

If instead of requiring correction or removal and replacement of defective Work, OWNER prefers to accept it, OWNER may do so. CONTRACTOR shall bear all direct, indirect and consequential costs attributable to OWNER's evaluation of and determination to accept such defective Work. If any such acceptance occurs prior to ENGINEER's recommendation of final payment, a Change Order will be issued incorporating the necessary revisions in the Contract Documents with respect to the Work; and OWNER shall be entitled to an appropriate decrease in the Contract Price.

11.10 OWNER May Correct Defective Work:

If CONTRACTOR fails within a reasonable time after written notice of ENGINEER to proceed to correct and to correct defective Work or to remove and replace rejected Work as required by ENGINEER in accordance with paragraph 11.6, or if CONTRACTOR fails to perform the Work in accordance with the Contract Documents, or if CONTRACTOR fails to comply with any other provision of the Contract Documents, OWNER may, after seven (7) days' written notice to CONTRACTOR, correct and remedy any such deficiency. All direct, indirect and consequential costs of OWNER in exercising such rights and remedies will be charged against CONTRACTOR in an amount approved as to reasonableness by ENGINEER, and a Change Order will be issued incorporating the necessary revisions in the Contract Documents with respect to the Work; and OWNER shall be entitled to an appropriate decrease in the Contract Price.

ARTICLE 12 - PAYMENTS TO CONTRACTOR AND COMPLETION

12.1 Schedule of Values

The schedule of values (itemized proposal) established at contract unit prices will serve as the basis for progress payments and will be incorporated into a form of Application for Payment acceptable to ENGINEER. Progress payments on account of Unit Price Work will be based on the number of units completed.

12.2 Application for Progress Payment

At least fifteen (15) days before each regularly scheduled County Commissioners

Meeting, CONTRACTOR shall submit to ENGINEER for review an Application for Payment filled out and signed by CONTRACTOR covering the Work completed as of the date of the Application and accompanied by such supporting documentation as is required by the Contract Documents.

12.3 Contractor's Warranty of Title

CONTRACTOR warrants and guarantees that title to all Work, materials and equipment covered by any Application for Payment, whether incorporated in the Project or not, will pass to OWNER no later than the time of payment free and clear of all Liens.

12.4 Review of Applications for Progress Payment

- 12.4.1 ENGINEER will, within ten (10) days after receipt of each Application for Payment, either indicate in writing a recommendation of payment and present the Application to OWNER, or return the Application to CONTRACTOR indicating in writing ENGINEER's reasons for refusing to recommend payment. In the latter case, CONTRACTOR may make the necessary corrections and resubmit the Application. Ten (10) days after presentation of the Application for Payment with ENGINEER's recommendation, the amount recommended will become due and when due will be paid by OWNER to CONTRACTOR. All progress payments will be subject to a ten Percent (10%) retainage that will not be released until Maintenance Bond is received.
- 12.4.2 ENGINEER's recommendation of any payment requested in an Application for Payment will constitute a representation by ENGINEER to OWNER, based on ENGINEER's on-site observations of the Work in progress as an experienced and qualified design professional and on ENGINEER's review of the Application for Payment and the accompanying data and schedules that the Work has progressed to the point indicated; that, to the best of ENGINEER's knowledge, information and belief, the quality of the Work is in accordance with the Contract Documents and that CONTRACTOR is entitled to payment of the amount recommended. However, by recommending any such payment ENGINEER will not thereby be deemed to have represented that exhaustive or continuous on-site inspections have been made to check the quality or the quantity of the Work beyond the responsibilities specifically assigned to ENGINEER in the Contract Documents or that there may not be other matters or issues between the parties that might entitle CONTRACTOR to be paid additionally by OWNER or OWNER to withhold payment to CONTRACTOR.
- 12.4.3 ENGINEER's recommendation of final payment will constitute an additional representation by ENGINEER to OWNER that the conditions precedent to CONTRACTOR's being entitled to final payment as set forth in paragraph 12.9 have been fulfilled.
- 12.4.4 ENGINEER may refuse to recommend the whole or any part of any payment if, in ENGINEER's opinion, it would be incorrect to make such

representations to OWNER. ENGINEER may also refuse to recommend any such payment, or, because of subsequently discovered evidence or the results of subsequent inspections or tests, nullify any such payment previously recommended, to such extent as may be necessary in ENGINEER's opinion to protect OWNER from loss because:

- a) The Work is defective, or completed Work has been damaged requiring correction or replacement.
- b) The Contract Price has been reduced by Written Amendment or Change Order.
- c) OWNER has been required to correct defective Work or complete Work in accordance with paragraph 11.10, or
- d) Of ENGINEER's actual knowledge of the occurrence of any of the events enumerated in paragraphs 13.2.1 through 13.2.9 inclusive.

OWNER may refuse to make payment of the full amount recommended by ENGINEER because claims have been made against OWNER on account of CONTRACTOR's performance or furnishing of the Work or Liens have been filed in connection with the Work or there are other items entitling OWNER to a set-off against the amount recommended, but OWNER must give CONTRACTOR immediate written notice (with a copy to ENGINEER) stating the reasons for such action.

12.5 Substantial Completion

When CONTRACTOR considers the entire Work ready for its intended use (that is, use by the public) and all work items are complete, CONTRACTOR shall notify OWNER and ENGINEER in writing that the entire Work is substantially complete and request that ENGINEER issue a certificate of Substantial Completion. Within seven (7) calendar days for a contract price under \$1,000,000.00 and fourteen (14) calendar days otherwise, OWNER, CONTRACTOR and ENGINEER shall make an inspection of the Work to determine the status of completion. If ENGINEER does not consider the Work substantially complete, ENGINEER will notify CONTRACTOR in writing giving the reasons therefore. If ENGINEER considers the Work substantially complete, ENGINEER will prepare and deliver to OWNER a tentative certificate of Substantial Completion which shall fix the date of Substantial Completion. There shall be attached to the certificate a tentative list of items to be corrected before final payment.

The ENGINEER may recommend to the OWNER that a Waiver of Time be provided to the CONTRACTOR for the seven (7) or fourteen (14) calendar days listed herein if the CONTRACTOR has demobilized from the site, and there are no remaining defective or incomplete Work items. A Waiver of Time is a document that waives the Liquidated Damages for the seven (7) or fourteen (14) day time-frame. A Waiver of Time may be

given for part or the entirety of the seven (7) or fourteen (14) day period listed herein. The amount of time provided in the Waiver of Time is at the discretion of the OWNER.

12.6 Partial Utilization

Use by OWNER of any finished part of the Work, which has specifically been identified in the Contract Documents, or which OWNER, ENGINEER and CONTRACTOR agree constitutes a separately functioning and useable part of the Work that can be used by OWNER without significant interference with CONTRACTOR's performance of the remainder of the Work, may be accomplished prior to Substantial Completion of all the Work subject to the following:

12.6.1 OWNER at any time may request CONTRACTOR in writing to permit OWNER to use any such part of the Work which OWNER believes to be ready for its intended use and substantially complete. If CONTRACTOR agrees, CONTRACTOR will certify to OWNER and ENGINEER that said part of the Work is substantially complete and request ENGINEER to issue a certificate of Substantial Completion for that part of the Work. CONTRACTOR at any time may notify OWNER and ENGINEER in writing that CONTRACTOR considers any such part of the Work ready for its intended use and substantially complete and request ENGINEER to issue a certificate of Substantial Completion for that part of the Work. Within a reasonable time after either such request, OWNER, CONTRACTOR and ENGINEER shall make an inspection of that part of the Work to determine its status of completion. If ENGINEER does not consider that part of the Work to be substantially complete, ENGINEER will notify OWNER and CONTRACTOR in writing giving the reasons therefore. If ENGINEER considers that part of the Work to be substantially complete, the provisions of paragraph 12.5 will apply with respect to certification of Substantial Completion of that part of the Work and the division of responsibility in respect thereof and access thereto.

12.6.2 OWNER may at any time request CONTRACTOR in writing to permit OWNER to take over operation of any such part of the Work although it is not substantially complete. A copy of such request will be sent to ENGINEER and within a reasonable time thereafter OWNER, CONTRACTOR and ENGINEER shall make an inspection of that part of the Work to determine its status of completion and will prepare a list of the items remaining to be completed or corrected thereon before final payment. If CONTRACTOR does not object in writing to OWNER and ENGINEER that such part of the Work is not ready for separate operation by OWNER, ENGINEER will finalize the list of items to be completed or corrected and will deliver such list to OWNER and CONTRACTOR together with a written recommendation as to the division of responsibilities pending final payment between OWNER and CONTRACTOR with respect to security, operation, safety, maintenance, utilities, insurance, warranties and guarantees for that part of the Work which will become binding upon OWNER and CONTRACTOR at the time when OWNER takes over such operation (unless they shall have otherwise agreed in writing and so informed ENGINEER). During such operation and prior to Substantial

Completion of such part of the Work, OWNER shall allow CONTRACTOR reasonable access to complete or correct items on said list and to complete other related Work.

12.7 Final Inspection

Upon written notice from CONTRACTOR that the entire Work or an agreed portion thereof is complete, ENGINEER will make a final inspection with OWNER and CONTRACTOR and will notify CONTRACTOR in writing of all particulars in which this inspection reveals that the Work is incomplete or defective. CONTRACTOR shall immediately take such measures as are necessary to remedy such deficiencies.

12.8 Final Application for Payment

After CONTRACTOR has completed all such corrections to the satisfaction of ENGINEER and delivered all maintenance and operating instructions, schedules, guarantees, Bonds, certificates of inspection, marked-up record documents and other documents--all as required by the Contract Documents, and after ENGINEER has indicated that the Work is acceptable, CONTRACTOR may make application for final payment following the procedure for progress payments.

12.9 Final Payment and Acceptance

12.9.1 If, on the basis of ENGINEER's observation of the Work during construction and final inspection, and ENGINEER's review of the final Application for Payment and accompanying documentation--all as required by the Contract Documents, ENGINEER is satisfied that the Work has been completed and CONTRACTOR's other obligations under the Contract Documents have been fulfilled, ENGINEER will, within ten (10) days after receipt of final Application for Payment, indicate in writing ENGINEER's recommendation of payment and present the Application to OWNER for payment. Thereupon ENGINEER will give written notice to OWNER and CONTRACTOR that the Work is acceptable subject to the provisions of paragraph 12.15. Otherwise, ENGINEER will return the Application to CONTRACTOR, indicating in writing the reasons for refusing to recommend final payment, in which case CONTRACTOR shall make the necessary corrections and resubmit the Application. Thirty (30) days after presentation to OWNER of the Application and accompanying documentation, in appropriate form and substance, and with ENGINEER's recommendation and notice of acceptability, the amount recommended by ENGINEER will become due and will be paid by OWNER to CONTRACTOR.

12.9.2 If, through no fault of CONTRACTOR, final completion of the Work is significantly delayed and if ENGINEER so confirms, OWNER shall, upon receipt of CONTRACTOR's final Application for Payment and recommendation of ENGINEER, and without terminating the Agreement, make payment of the balance due for that portion of the Work fully completed and accepted.

12.10 Contractor's Continuing Obligation

CONTRACTOR's obligation to perform and complete the Work in accordance with the Contract Documents shall be absolute. Neither recommendation of any progress or final payment by ENGINEER, nor the issuance of a certificate of Substantial Completion, nor any payment by OWNER to CONTRACTOR under the Contract Documents, nor any use or occupancy of the Work or any part thereof by OWNER, nor any act of acceptance by OWNER nor any failure to do so, nor any review and approval of a Shop Drawing or sample submission, nor the issuance of a notice of acceptability by ENGINEER, nor any correction of defective Work by OWNER will constitute an acceptance of Work not in accordance with the Contract Documents or a release of CONTRACTOR's obligation to perform the Work in accordance with the Contract Documents (except as provided in paragraph 12.11).

12.11 Waiver of Claims

The making and acceptance of final payment will constitute:

- 12.11.1 A waiver of all claims by OWNER against CONTRACTOR, except claims arising from unsettled Liens, from defective Work appearing after final inspection pursuant to paragraph 12.10 or from failure to comply with the Contract Documents or the terms of any special guarantees specified therein; however, it will not constitute a waiver by OWNER of any rights in respect of CONTRACTOR's continuing obligations under the Contract Documents; and
- 12.11.2 A waiver of all claims by CONTRACTOR against OWNER other than those previously made in writing and still unsettled.

ARTICLE 13 - SUSPENSION OF WORK AND TERMINATION

13.1 OWNER May Suspend Work

OWNER may, at any time and without cause, suspend the Work or any portion thereof for a period of not more than one hundred eighty (180) days by notice in writing to CONTRACTOR and ENGINEER which will fix the date on which Work will be resumed. CONTRACTOR shall resume the Work on the date so fixed. CONTRACTOR shall be allowed an increase in the extension of the Contract Time directly attributable to any suspension.

13.2 Conditions of Termination by Owner

Upon the occurrence of any one or more of the following events:

13.2.1 If CONTRACTOR commences a voluntary case under any chapter of the

Bankruptcy Code (Title 11, United States Code), as now or hereafter in effect, or if CONTRACTOR takes any equivalent or similar action by filing a petition or otherwise under any other federal or state law in effect at such time relating to the bankruptcy or insolvency;

- 13.2.2 If a petition is filed against CONTRACTOR under any chapter of the Bankruptcy Code as now or hereafter in effect at the time of filing, or if a petition is filed seeking any such equivalent or similar relief against CONTRACTOR under any other federal or state law in effect at the time relating to bankruptcy or insolvency;
- 13.2.3 If CONTRACTOR makes a general assignment for the benefit of creditors;
- 13.2.4 If a trustee, receiver, custodian or agent of CONTRACTOR is appointed under applicable law or under contract, whose appointment or authority to take charge of property of CONTRACTOR is for the purpose of enforcing Lien against such property or for the purpose of general administration of such property for the benefit of CONTRACTOR's creditors;
- 13.2.5 If CONTRACTOR admits in writing an inability to pay its debts generally as they become due;
- 13.2.6 If CONTRACTOR persistently fails to perform the Work in accordance with the Contract Documents (including, but not limited to, failure to supply sufficient skilled workers or suitable materials or equipment or failure to adhere to the progress schedule established under paragraph 1.7 as revised from time to time);
- 13.2.7 If CONTRACTOR disregards Laws or Regulations of any public body having jurisdiction;
- 13.2.8 If CONTRACTOR disregards the authority of ENGINEER; or
- 13.2.9 If CONTRACTOR otherwise violates in any substantial way any provisions of the Contract Documents;

13.3 Termination by Owner

13.3.1 OWNER may, after giving CONTRACTOR and the surety, if there be one, seven (7) days' written notice and to the extent permitted by Laws and Regulations, terminate the services of CONTRACTOR, exclude CONTRACTOR from the site and take possession of the Work and of all CONTRACTOR's tools, appliances, construction equipment and machinery at the site and use the same to the full extent they could be used by CONTRACTOR (without liability to CONTRACTOR for trespass or conversion), incorporate in the Work all materials and equipment stored at the site or for which OWNER has paid CONTRACTOR but which are stored elsewhere, and finish the Work as OWNER may deem expedient. In such case CONTRACTOR shall not be entitled to receive any further payment until the Work

is finished. If the unpaid balance of the Contract Price exceeds the direct, indirect and consequential costs of completing the Work (including but not limited to fees and charges of engineers, attorneys and other professionals and court and arbitration costs) such excess will be paid to CONTRACTOR. If such costs exceed such unpaid balance, CONTRACTOR shall pay the difference to OWNER. Such costs incurred by OWNER will be approved as to reasonableness by ENGINEER and incorporated in a Change Order, but when exercising any rights or remedies under this paragraph OWNER shall not be required to obtain the lowest price for the Work performed.

- 13.3.2 Where CONTRACTOR's services have been so terminated by OWNER, the termination will not affect any rights or remedies of OWNER against CONTRACTOR then existing or which may thereafter accrue. Any retention or payment of monies due CONTRACTOR by OWNER will not release CONTRACTOR from liability.
- 13.3.3 Upon seven (7) days' written notice to CONTRACTOR and ENGINEER, OWNER may, without cause and without prejudice to any other right or remedy, elect to abandon the Work and terminate the Agreement. In such case, CONTRACTOR shall be paid for all Work executed and any expense sustained plus reasonable termination expenses, which will include, but not be limited to, direct, indirect and consequential costs (including, but not limited to, fees and charges of engineers, architects, attorneys and other professionals and court and arbitration costs).

13.4 Conditions of Termination by Contractor

- 13.4.1 If, through no act or fault of CONTRACTOR, the Work is suspended for a period of more than one hundred eighty (180) days by OWNER or under an order of court or other public authority, or ENGINEER fails to act on any Application for Payment within thirty (30) days after it is submitted, or
- 13.4.2 If OWNER fails for thirty (30) days to pay CONTRACTOR any sum finally determined to be due, then CONTRACTOR may, upon seven (7) days' written notice to OWNER and ENGINEER, terminate the Agreement and recover from OWNER payment for all Work executed and any expense sustained plus reasonable termination expenses. In addition and in lieu of terminating the Agreement, if ENGINEER has failed to act on an Application for Payment or OWNER has failed to make any payment as aforesaid, CONTRACTOR may upon seven (7) days' written notice to OWNER and ENGINEER stop the Work until payment of all amounts then due. The provisions of this paragraph shall not relieve CONTRACTOR of the obligations under paragraph 4.14 to carry on the Work in accordance with the progress schedule and without delay during disputes and disagreements with the OWNER.

GENERAL CONDITIONS

ARTICLE 14 - MISCELLANEOUS

14.1 Giving Notice

Whenever any provision of the Contract Documents requires the giving of written notice, it will be deemed to have been validly given if delivered in person to the individual or to a member of the firm or to an officer of the corporation for whom it is intended, or if delivered at or sent by registered or certified mail, postage prepaid, to the last business address known to the giver of the notice.

14.2 Computation of Time

When any period of time is referred to in the Contract Documents by days, it will be computed to exclude the first and include the last day of such period. If the last day of any period falls on a Saturday or Sunday or on a day made a legal holiday by the law of the applicable jurisdiction, such day will be omitted from the computation.

14.2.1 A calendar day of twenty-four hours measured from midnight to the next midnight shall constitute a day.

14.3 Bid Submission

Each bidder who submits a proposal for any portion of the work included in the Project Manual must submit with its bid this form fully completed and signed by an authorized officer of the bidder and must provide the data requested by the form. Unless this form is fully completed and signed by the bidder, the proposal made by that bidder will be incomplete and will not be considered by the Board of County Commissioners.

	BID FORM
1.	Name of Bidder
2.	Business Address
3.	Number of years engaged in contracting business under present firm's name:years.
4.	*Experience in the contracting work generally similar to this project, including list o complexes, locations and approximate contract cost thereof.
5.	Have you ever defaulted on a contract?YesNo If Yes, when, with whom and why?
3.	*It is a necessary requirement of this Specification that each Contractor show evidence for five (5) jobs guaranteed for one (1) year on workmanship unconditionally, and where Contractor has agreed to return and repair this work at no expense to the Owner.
	
7.	*Have you ever filed bankruptcy or been adjudged bankruptcy?Yes No
3.	Do you employ any black, Hispanic, female or oriental minority persons? If yes, please state the number of each of such minority persons you presently employYesNo
	If no, please state reasons.

(Signature of official completing this form)

BY:

BID BOND

KNOW ALL MEN BY THESE PRESENTS, that we the undersigned					
as PRINCIPAL, and					
as SURETY, are held and firmly bound unto the Elkhart					
County Board of County Commissioners, hereinafter called the "Owner", in the penal sum					
of					
Dollars (\$) lawful					
money of the United States, for the payment of which sum well and truly to be made, we					
bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and					
severally, firmly by these presents:					
THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal has					
submitted the accompanying Bid, dated					
for:					

NOW, THEREFORE, if the Principal shall not withdraw said bid within the period specified herein after the opening of the same, or if no period be specified within or sixty (60) days after the said opening, and shall within the period specified therefore, or, if no period be specified within ten (10) days after the prescribed forms are presented to him for signature, enter into a written contract with the Owner in accordance with the bid as accepted, and give Bond for faithful performance and proper fulfillment of such Contract; or in the event of the withdrawal of said bid within the period specified, or the failure to enter into such Contract and give such Bond within the time specified if the Principal shall

pay the Owner the difference between the amount specified in said Bid and the amount for which the Owner may procure the required work or suppliers or both, if the latter amount be in excess of the former, then the above obligation shall be void and of no effect, otherwise to remain in full force and virtue.

IN WITNESS WHEREOF, the above b	ounden parties have execu	uted this instrument
under their several seals this	day of	, the name and
corporate seal of each corporate party	being hereto affixed and t	these presents duly
signed by its undersigned representative	, pursuant to authority of its	governing body.

2025 CRACK SEAL Program		BID BOND
IN PRESENCES OF:	INDIVIDUAL PRINCIPALS:	
		(SEAL)
ATTEST:	CORPORATE PRINCIPAL:	
		(SEAL)
		(SEAL)
Business Address		
	Ву:	
	Title:	
ATTEST:	CORPORATE SURETY:	
		(SEAL)
		(SEAL)
Business Address		
	Ву:	
	Title:	

Power-of-Attorney for person signing for Surety Company must be attached to Bond.

CERTIFICATE AS TO CORPORATE PRINCIPAL

CERTIFICATE AS TO CORPORATE PRINCIPAL				
l,				
certify that I am the				
Secretary of the Corporation named as Principal in the within Bond; that				
who signed the said Bond on behalf of the Principa				
was thenof the corporation, that I know				
his signature, and his signature thereto is genuine; and that said Bond was duly signed				
sealed, and attested to, for and in behalf of said corporation by authority of its governing				
body.				
(SFAI				

PERFORMANCE AND PAYMENT BOND

KNOW	ALL	MEN	BY	THESE		PRESEI	NTS,
That					_as p	rincipal	and
			as su	rety, are firmly	bound	unto Ell	khart
County, Ind	liana, acting tl	nrough its Boa	ard of County	/ Commission	ers (OW	'NER) ir	ı the
penal sum o	of an amount o	equal to one h	undred perce	ent (100%) the	amount	of his b	id or
the contract	price, if the p	roposal is acce	epted, for the	payment of wh	nich, we	ll and tru	ıly to
be made, v	we bind ourse	elves, jointly a	nd severally,	and our join	t and s	everal h	neirs,
executors,	administrators	s, and assign	s, firmly by	these prese	nts, thi	s	_day
of							

THE CONDITIONS OF THE ABOVE OBLIGATION ARE SUCH That, Whereas, the principal is herewith submitting a bid and proposal for the erection, construction and completion of 2025 CRACK SEAL Program in accordance with the plans and specifications approved and adopted by said OWNER, which are made a part of this bond.

NOW, THEREFORE, if the said OWNER awards said principal the contract for work and said principal promptly enter into a contract with said OWNER ("Construction Agreement") for the said work and well and faithfully does and performs the same in all respects according to the plans and specifications provided by the said OWNER, and according to the time, terms, and conditions specified in the Construction Agreement, and in

accordance with all requirements of law, and promptly pays all debts incurred by him or any subcontractor in the construction of said work, including labor, service, and materials furnished, then this obligation shall be void; otherwise to remain in full force, virtue and effect.

IT IS AGREED that the principal and surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors, and assigns to the OWNER for the performance of the Construction Agreement including compliance with all of the plans and specifications provided by the OWNER, and according to the time, terms, and conditions specified in the Construction Agreement, and in accordance with all requirements of law. Principal and surety further agree to defend, indemnify, and hold harmless OWNER from claims, demands, liens or suits by any person or entity seeking payment for Principal's failure to perform under the Construction Agreement.

IT IS AGREED that the principal and surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors, and assigns to the OWNER to pay for labor, materials and equipment furnished for use in the performance of the Construction Agreement, which is incorporated herein by reference. Principal and surety further agree to defend, indemnify, and hold harmless OWNER from claims, demands, liens or suits by any person or entity seeking payment for labor, materials, or equipment furnished for use in the performance of the Construction Agreement. The payment bond granted to OWNER is also for the benefit of the subcontractors, laborers, material suppliers, and

PERFORMANCE AND PAYMENT BOND

those performing services.

IT IS AGREED that no modifications, omissions, or additions in or to the terms and

conditions of the Construction Agreement, plans, specifications, drawings, or profile;

defect in the Construction Agreement; or defect in the proceedings preliminary to the

letting and awarding of the Construction Agreement will discharge or any wise affect the

obligation of surety on these bonds.

IN W	/ITNESS	WHEREOF,	we	hereunto	set	our	hands	and	seal	this	day	0	f

NAME______ NAME_____

ADDRESS_____ADDRESS_____

BY______ BY______ Signature Title Signature Title

(Printed or Typed)

Surety

(Printed or Typed) Principal

PERFORMANCE AND PAYMENT BOND

State of Indiana County of		66.	
State of Indiana, County of			
Personally appeared before me,			
as principal and			
as surety and each acknowledged the e	execution of the	e above bond this	day
of,			
BY Signa	 ature	Notary Public	
J		,	
	ıPı	rinted or Typed)	
Witness my hand and notarial seal the s	said last name	d date.	
My Commission Expires,			
·	-		
(County of Residence)			
	_		
Accepted and approved thisday of	ot	·	
Bradley D. Rogers, President			
Brauley D. Rogers, President			
Suzanne M. Weirick, Vice President	<u></u>		
Cuzumo W. Womok, Vice i recident	•		
Bob Barnes, Member	_		
ATTEST: Patricia A. Pickens, Auditor	_		

MAINTENANCE BOND

MAIN	TENANCE BOND	
KNOW ALL MEN BY THESE PRESE	NT: That we,	
Principal,		and
as Surety, are held and firmly bound to	the	
the sum of		
Doll:		
for the payment of which sum well and tru	ly to be made, we jointly and	d severally bind ourselves,
our heirs, executors, administrators, and s	successors, firmly by these p	resent.
THE CONDITIONS OF THE ABOVE OBL	IGATION are that, whereas	the Principal, entered into
a contract with the Owner on the	day of	,, to
construct	according to the Plan	s and Specifications, and
also warranting the work and materials as	provided in the aforesaid C	ontract and Specifications,
for a period of three (3) years from the dat	te of final acceptance of worl	k by the Owner.
Now, if the said Principal shall faithfully pe	erform and fulfill all the requ	irements of said Warranty
and Guaranty, and make all repairs requi	red under said Guaranty an	d, in the manner provided
for, then this Bond to be null and void, oth	erwise to be in full force and	effect.

MAINTENANCE BOND

IN WITNESS WHEREOF, this sta	tement is executed	I in two (2) co	unterparts, ea	ach one of which
shall be deemed an original, this_	day of_			_,
(SEAL)	Principal			
ATTEST:				
	_ BY:			
Title	Title			
(SEAL)				
ATTEST:				
	_ BY:			
Title	Title			
APPROVED this	day of		·	
ELKHART COUNTY, INDIANA By and Through Its BOARD OF COUNTY COMMISSI	ONERS			
Bradley D. Rogers, President				
Suzanne M. Weirick, Vice Pres	sident			
Bob Barnes, Member				
ATTEST:Patricia A. Pickens, Au	ditor			

AGREEMENT

THIS AGREEMENT, ma	ade and entered into this	_ day of,, by and
between	(a corporation organize	ed and existing under the laws of
the State of Indiana), hereinafte	r referred to as the "CONTRAC	TOR," and "ELKHART COUNTY,
INDIANA," acting through the Bo	oard of Commissioners, hereina	ifter referred to as the "OWNER."
WITHESSETH, that the	Contractor and the Owner, for	the considerations stated herein,
mutually agree as follows:		

ARTICLE 1 -- STATEMENT OF WORK

The Contractor shall furnish all supervision, technical personnel, labor, materials, machinery, tools, equipment and services, including utility and transportation services, and traffic control, and perform and complete all work required for 2025 CRACK SEAL Program, in Elkhart County, Indiana, as more particularly described in the Specifications, Special Provisions, General Requirements, Supplementary Conditions, Terms for Bidding, plans and drawings, and other items contained therein prepared by Elkhart County ("ENGINEER") and referred to herein as the "Construction Documents." All such Construction Documents have been reviewed and approved by the parties hereto and all are incorporated herein by reference as a part of this Agreement consistent with Article 4 below. All undertakings, duties, obligations, and performance required of Contractor by the Construction Documents and this Agreement are hereinafter referred to as the "Work."

ARTICLE 2 -- CONTRACTOR REPRESENTATIONS

The Contractor represents to Owner that it is fully experienced and properly qualified as an expert to render the performance required for the Work, and that it is properly equipped, organized and financed for performance of this Agreement. Contractor further represents and

acknowledges that it is an independent contractor, and that Contractor IS NOT, in any manner or form, an agent, employee, or representative of Owner.

CONTRACTOR INDEMNIFICATION

The Contractor agrees to indemnify and save harmless the Owner and Engineer, their agents and employees, from and against all loss or expense (including court costs and attorneys' fees of defense or enforcement) by reason of liability imposed by law or otherwise upon the Owner or Engineer, for (1) damages because of bodily injury, including death at any time resulting therefrom, sustained by any person or persons, or (2) on account of damage to property or property rights or interests, including loss of use thereof, arising out of or in consequence of the performance of the Work, provided such injury to persons or damage to property is due or claimed to be due to negligence of the Contractor, its subcontractors, employees or agents, or in violation of this Agreement.

REQUIREMENTS FOR CONTRACTORS ON PUBLIC WORKS PROJECTS

- 1) The provisions of Indiana Code Section 5-16-13 are hereby incorporated by reference including, but not limited to, the following specific provisions:
 - a) Contractor must contribute in work performed by its employees, materials supplied directly by Contractor, and services supplied directly by its employees of at least fifteen percent (15%) of the total contract price.
 - b) Contractor must maintain general liability insurance in the amounts provided in the Construction Documents but in no event less than One Million Dollars (\$1,000,000.00) for each occurrence limit and Two Million Dollars (\$2,000,000.00) for the general aggregate limit.
 - c) Contractor must implement and comply with the requirements of Indiana Code Section

22-5-1.7 concerning the E-Verify system with respect to its employee hiring. Contractor must submit, before work begins on the Agreement, the E-Verify case verification number for each individual who is required to be verified under Indiana Code Section 22-5-1.7. An individual who is required to be verified under Indiana Code Section 22-5-1.7 whose final case result is final non-confirmation may not be employed on this Work.

- d) Contractor may not pay cash to any individual employed by the Contractor for work done by the individual on this Work.
- e) Contractor must be in compliance with the Federal Fair Labor Standards Act of 1938, as amended (29 USC 201-209) and Indiana Code Section 22-2-2-1 through Indiana Code Section 22-2-2-8.
- f) Contractor must be in compliance with Indiana Code Section 22-3-5-1 and Indiana Code Section 22-3-7-34.
- g) Contractor must be in compliance with Indiana Code Section 22-4-1 through Indiana Code Section 22-4-39.5.
- h) Contractor must be in compliance with Indiana Code Section 4-13-18-1 through Indiana Code Section 4-13-18-7.
- 2) Drug Testing of Employees. Indiana Code Section 4-13-18 regarding the drug testing of employees of public works contractors applies to the Agreement as the estimated cost hereof is at least One Hundred Fifty Thousand Dollars (\$150,000.00) and has been awarded after June 30, 2015.
- 3) Nondiscrimination. Pursuant to Indiana Code Section 22-9-1-10, Contractor and its subcontractors, if any, shall not discriminate against any employee or applicant for employment to be employed in the performance of the Agreement with respect to hire, tenure, terms, conditions or privileges of employment or any matter directly or indirectly related to

employment, because of race, religion, color, sex, disability, national origin, ancestry, or veteran status. Breach of this covenant may be regarded as a material breach of the Agreement.

- 4) Anti-nepotism. Contractor is aware of the provisions of Indiana Code Section 36-1-21 et seq. with respect to anti-nepotism in contractual relationships with governmental entities. Contractor certifies that none of the owners of Contractor is a relative of any elected Council Member or Commissioner of the County of Elkhart, Indiana.
- 5) Investment Activity. Pursuant to Indiana Code Section 5-22-16.5-13, Contractor certifies that Contractor is not engaged in investment activities in Iran.

ARTICLE 3 -- THE CONTRACT PRICE

The Owner will pay the Contractor for the performance of the Work subject to additions and deductions provided herein, in current funds, and per applicable Indiana law and the required procedures for payments by Owner, the sum of \$_______. The Contractor shall start the Work on or after August 18, 2025, be substantially complete by May 15, 2026 and receive final acceptance on or before June 12, 2026. Any Work remaining to be completed after May 15, 2026 or Final Acceptance has not been received by June 12, 2026 is subject to the following damages:

For each and every day Work contemplated in this Agreement fails to achieve substantial completion, beyond the substantial completion date herein established (May 15, 2026) or final acceptance has not been received by the final acceptance date herein established (June 12, 2026), Contractor shall owe and pay to Owner the sum of \$1,000 per day, as liquidated damages and not as penalty. In establishing said \$1,000 sum per day as and for liquidated damages owed by the Contractor to Owner, the parties hereto stipulate and agree that the actual damages that would be suffered by Owner because of the failure of Contractor to timely complete the Work

contemplated are indefinite and uncertain; however, the parties hereto stipulate that the sum herein established is a reasonable estimate by the parties of the probably damages to be suffered by the Owner upon the failure of the Contractor to timely complete the Work contemplated. The liquidated damages herein established shall be deducted daily from the Contract Price herein established, thereby reducing the same for the total amount of liquidated damages as herein stipulated, and hence reducing payments of the Contract Price Owner would otherwise make. If an intermediate date is specified for one or more of the items or phases of the contract, liquidated damages will apply for that particular item or phase as if the intermediate date specified for said item or phase is conclusion of said portion of project or contract.

ARTICLE 4 -- CONTRACT DOCUMENTS

The Contract Documents forming a part of this Agreement by reference shall consist of the following:

- a. This Agreement.
- b. Memos:
- c. Invitation for Bids.
- d. Notice to Bidders.
- e. Signed copy of Bid and Itemized Bid Form.
- f. General Conditions and Supplementary Conditions.
- g. Construction Specifications and Related Documents.
- h. Plans.
- i. Addendums

ARTICLE 5 -- PROJECT CONTROL

The Contractor will carry out this project and complete the Work under the direction of the Owner and the Owner's agents, the Engineer, or other consultant designated by the Owner. The

Owner's designated representative during the construction period will make visits to the site at intervals appropriate to the various states of construction to observe the progress and quality of the executed Work and to determine, in general, if the Work is proceeding in accordance with the Contract Documents.

This Agreement, to include the Contract Documents enumerated in Article 4 above, constitutes the full agreement and understanding of the parties hereto, and save for change orders and procedures therefore set forth within the Contract Documents, shall not be amended by the parties, other than by instrument executed by each party hereto.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed in various counterparts effective as of the date and year first above written.

CONTRACTOR:

Ву	Signature
	Printed Name
	Title

ATTEST: Patricia A. Pickens, Auditor

61

Division 2:

Bid Documents

For

2025 Crack Seal Program

OWNERS: ELKHART COUNTY, INDIANA, ACTING THROUGH

IT'S BOARD OF COUNTY COMMISSIONERS ELKHART COUNTY HIGHWAY DEPARTMENT

ENGINEERING SECTION 610 STEURY AVENUE GOSHEN, IN 46528



Elkhart County Highway Department 610 Steury Avenue, Goshen, Indiana 46528 Phone: 574-534-9394 • Fax: 574-533-7103

NOTICE TO BIDDERS

Notice is hereby given that the Board of County Commissioners of Elkhart County, Indiana, will receive bids up to <u>9:00</u> <u>A.M. on Monday, August 4th, 2025,</u> for the **2025 Crack Seal Program.** It is the responsibility of the bidder to ensure that its bid is delivered on time to the Office of the Elkhart County Commissioners, County Administration Building, 117 N. Second Street, Goshen, IN 46526.

Plans, Specifications and bidding documents may be obtained from the **Elkhart County Highway Department,** website at www.elkcohwy.org starting on Friday, July 11th, 2025. Plans, Specifications and Bidding Documents may.not.be obtained prior to this date.

Plans, Specifications and Bidding Documents will be available for inspection at the Elkhart County Highway Department Office, 610 Steury Ave, Goshen, Indiana starting on <u>Friday, July 11th, 2025</u>. A **pre-bid meeting** will be held at **9:00 A.M.** on **Thursday, July 24th, 2025**, at the Elkhart County Highway Department, 610 Steury Avenue, Goshen, IN 46528. The pre-bid meeting is not mandatory; however, attendance is recommended to receive the latest updates and have questions answered in the timeliest manner. Bidders who fail to participate in the pre-bid meeting and submit a bid do so at the risk of not having the best information.

Proposals shall be properly and completely executed on proposal forms furnished by the County in accordance with Revised Indiana Form 96 and shall be accompanied by the Contractor's Financial Statement form taken from Form 96A for any proposal of \$5,000 or more.

The Contractor shall submit an itemized proposal of the approximate quantities and components of labor and materials to complete the contract. Said proposal shall be upon the standard bid sheets used by Elkhart County, and said sheet must contain an authorized signature of the Contractor, or the bid of the Contractor may, at the discretion of Elkhart County, be rejected and declared invalid. Each proposal shall be accompanied by a non-collusion affidavit as required by the Statutes of Indiana. Bids shall be enclosed in a sealed envelope, bearing the title of the project and name and address of bidder.

Bids will be accepted only from bidders who are sufficiently and currently pre-qualified by the Indiana Department of Transportation. Proof of pre-qualifications must be submitted with the bid.

A current Contractor's Financial Statement taken from Form 96A and the Indiana Department of Transportation prequalification certificate may be placed on file with the Board of County Commissioners of Elkhart County at the Highway Division annually in lieu of executing these documents for each project.

All work may begin on **August 18**th, **2025** and shall be completed by **May 15** th, **2026**. Delays in completion beyond that date shall result in liquidated damages levied against the Contractor by Elkhart County. The damage charges shall be one thousand dollars (\$1000) per calendar day beyond the above stated date and any intermediate completion dates noted in the specifications.

A satisfactory bid bond (10% of bid), payable to the Board of County Commissioners of Elkhart County, Indiana executed by the bidder shall be submitted with each bid.

No bids shall be withdrawn after the opening of the bids without the consent of the Board of Commissioners of Elkhart County for a period of thirty (30) days after the scheduled time of closing.

Said work shall be subject to all the provisions of the plans and specifications therefore herein above referred to including the completion date thereof and penalty clause as therein set forth.

The Board of County Commissioners reserves the right to reject any and all Bids or to waive any informalities in the bidding

Dated this 7th day of July, 2025 Board of County Commissioners of Elkhart County By Patricia a. Pickens, Auditor

Advertise: July 9th and July 16th, 2025 - Elkhart Truth and Goshen News

The approximate quantities for this contract are as shown on the itemized bid tabs included on the attached pages. If extra work is necessary due to shifting of any of the items of construction or if additional work is called for in accordance with these specifications, such work shall be paid for on the basis of the following itemized unit prices. In addition to the above, the said unit prices shall also be the basis of payment to the Contractor for actual material placed. The attached sheet (s) must be completely filled out and submitted with the sealed bid or Elkhart County may at its discretion, reject the bid and declare the same invalid. An authorized signature of the Contractor is mandatory upon the bid sheets. All other items necessary to properly complete this project or specifically outlined, shall be included within the line items provided and will be considered as incidental. The award of this contract will be based on the sum of the items within GROUP listed below. Please recognize that the quantities provided are estimated. Elkhart County is not responsible for any wrong formulas or miscalculations in the attached excel Contractor Bid sheet.

This Bid shall be so prepared as to properly indicate:

One (1) total lump sum to furnish labor, materials, services and equipment to perform the work indicated in the bid materials (drawings, specifications and or as specified herein). The Award of this project will be based on the "Total" bid price for GROUP, being the total sum of the items within that GROUP on the itemized bid tab. Please indicate this total below.

NOTE: Any Item may be withdrawn by Elkhart County at any time prior to the placement of the material.

ELKHART CO	YTANG		
BID TOTAL:_			dollars
(\$			_)
Acknowledge	e Receipt of Addenda No.(s)		
Submitted by	<i>r</i> :		
	Company	-	
	Authorized Signature	l	
Dato:	Phono:		

Division 3:

Project Technical Specifications

For

2025 Crack Seal Program

OWNERS: ELKHART COUNTY, INDIANA, ACTING THROUGH

IT'S BOARD OF COUNTY COMMISSIONERS ELKHART COUNTY HIGHWAY DEPARTMENT

ENGINEERING SECTION 610 STEURY AVENUE GOSHEN, IN 46528



Elkhart County Highway Department 610 Steury Avenue, Goshen, Indiana 46528 Phone: 574-534-9394 • Fax: 574-533-7103

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TP1 - GENERAL INFORMATION

GENERAL

The following Technical Provisions are in addition to the Indiana Department of Transportation 2024 "STANDARD SPECIFICATIONS", which Standard Specifications shall apply to this contract. Where the words "Standard Specifications" and also where reference consisting of a number or numbers are used, they shall be construed as referring to the Indiana Department of Transportation 2020 Standard Specifications and current supplemental specifications and standard detail drawings.

The term "State" as used in the Standard Specifications shall be deleted and replaced with the term "County".

The term "Engineer" as used in the Standard Specifications shall be the person, firm, or corporation named as such in the written Agreement between the OWNER and CONTRACTOR.

TP2 - TIME OF COMPLETION

GENERAL

Work on this Contract shall not begin prior to notice to proceed. The Contractor shall begin on or after **August 18**th **2025**, and shall complete all work no later than **May 15** th **2026**.

This completion date is a 'fixed calendar date' as defined by INDOT Standard Specifications section 108

Determination and Extension of Contract Time for Completion and Failure to Complete on Time shall be in accordance with the Agreement and all applicable requirements of 108.08 and 108.09 respectively, and modified as follows.

If an intermediate date is specified for one or more of the items or phases of the contract, liquidated damages will apply for that particular item or phase as if the intermediate date specified for said item or phase is the conclusion of said portion of project or contract.

No extension of Contract Time shall be allowed for weather or changes in quantities placed.

Changes in Contract Time will only be considered if requested in writing by the Contractor in accordance with Article 10 of the General Conditions.

The Contractor shall notify the Owner at least two (2) weeks in advance of his intention to perform any Work on the project. The contractor shall give the owner/inspector updated schedules of work on a weekly basis or as the schedule changes. The Contractor shall also notify the appropriate agencies of his intention to close any County Road in connection with the project. See ROAD CLOSING REQUIREMENTS.

Note that "Road Construction Ahead" signage shall be installed prior to any other work, and

shall be removed only upon final acceptance of the project or initial acceptance of the segment for paving packages. These signs shall be checked on a daily basis and promptly reset as needed.

Substantial completion of a road segment is defined as the full planned width of the final course of asphalt has been placed and is ready for traffic, shoulders have been applied, driveway approaches are completed, any required grading is complete, and final striping has been placed.

Final Inspection may be done on a per segment basis. When a particular segment is completed, a final inspection may be requested and final acceptance granted for that particular segment.

Final Acceptance of a road segment is defined as the full planned width of the final course of asphalt has been placed and is ready for traffic, shoulders have been applied, driveway approaches are completed, any required grading is complete, final striping has been placed, construction signs and construction debris removed, pre-final inspection punch list items have been completed and final inspection has been granted.

Project Completion will be assessed by the following criteria, the full planned width of the final course of asphalt has been placed and is ready for traffic, shoulders have been applied, driveway approaches are completed, any required grading is complete, final striping has been placed, construction signs and construction debris removed, pre-final inspection punch list items have been completed, final inspection has been granted and all contract line items are completed. Time extension may be granted on any work items added through change order or outside of contract.

TP3 - UTILITIES

GENERAL

The Contractor shall determine the location of all underground and overhead utility lines within the project limits. If proper clearances cannot be obtained, affected planned structures shall be placed as otherwise directed and approved by the adjacent utility representatives (and as accepted by the Engineer).

COORDINATION WITH UTILITIES

The Contractor shall be responsible for utility property and services in accordance with 107.20 of INDOT's Standard Specifications. All of the permanent and temporary utility appurtenances in their present or relocated positions shall have been considered in the bid. No additional compensation will be allowed for any delays, inconvenience, or damage sustained by the Contractor due to any interference from the said utility appurtenances or the operations of moving them.

The plan drawings include a list of names for the known companies that may have utilities located within the limits of construction in this contract. If any of these utilities are affected, it

shall be the Contractor's responsibility to identify and coordinate with that utility.

The prime contractor shall be ultimately responsible for the completeness and promptness of utility location(s) for subcontractors. Multiple locations of the same facilities may be required throughout the project time.

TP4 - BUY AMERICAN REQUIREMENT

GENERAL

Buy American Requirements shall be in accordance with 106.01(c) of INDOT's Standard Specifications.

TP5 - STORAGE OF CONTRACTOR'S EQUIPMENT, MATERIALS AND TEMPORARY OFFICES

GENERAL

The Contractor will be permitted to store non-operating construction equipment, workmen's vehicles, materials and temporary offices within the limits of the Right-of-Way with approval from Owner.

In the event that the Right-of-Way is not available for storage, the Contractor shall procure an adequately secure operations site as an incidental item to the contract.

All areas within the limits of the Right-of-Way that are used by the Contractor for temporary storage of materials, non-operating construction equipment, workmen's vehicles and temporary offices, when no longer required for such purpose, shall be restored to their original condition by the Contractor at his own expense.

The Contractor shall not use property adjacent to the project Right-of-Way for storage, parking or any other use without prior approval from the property owner.

PROTECTION AND RESTORATION OF PROPERTY AND LANDSCAPE

The Contractor shall be responsible for preservation of all public and private property. All areas on the Right-of-Way that are used for storage of any kind shall be restored to their original condition when no longer required for that purpose. Generally, this shall comply with the requirements of Sections 107.14 and 107.19 of Standard Specifications.

TP6 - HAZARD COMMUNICATIONS PROGRAM

GENERAL

Pursuant to the latest requirement of OSHA the bidder is obligated to inform his employees concerning the health and safety hazards of chemical substance that may be required in the performance of this contract.

TP7 - ENVIRONMENTAL RESTRICTIONS

GENERAL

- (a) All trees or shrubs outside the construction limits shall not be disturbed.
- (b) Construction limit shall be defined as the Right-of-Way line unless otherwise shown on the plans.

PERMITS

Regulatory permits for this project to be obtained by the OWNER currently are as follows:

None

The CONTRACTOR is responsible for securing all other permits that may be required for this project in accordance with the Standard Specifications.

TP8 – MAINTENANCE OF TRAFFIC

GENERAL

All signs and traffic control devices shall be in accordance with the Indiana Department of Transportation Standard Specifications and the Indiana MUTCD so as to provide continuous, safe, 2-way traffic at all times.

The Contractor shall be totally responsible for the maintenance of traffic. Maintaining of traffic shall be the non-delegable duty of the Contractor to fulfill each and every responsibility and to accept full liability. All applicable provisions of 107.12 shall apply to work being done under traffic.

Access to residential and business driveways within the project limits shall be maintained at all times. Temporary closure of driveway access may be allowed upon approval of the Engineer and adequate notification of the property owner. All driveways shall be accessible at the end of each work day. Stone, gravel or other temporary materials needed to make driveways accessible will not be paid for directly but will be included in the Maintenance of Traffic pay item.

Construction signs and barricades shall be as per INDOT standard sheets and shall be in sufficient condition for good functioning (i.e. visible, readable, reflective, etc.).

The Contractor will be responsible for maintenance of traffic including all construction signs necessary or as directed by the Engineer for the duration of construction.

When necessary or as directed by the Engineer, the Contractor shall provide standard reflective barrels with approved weighting systems, flagmen, caution tape, temporary pavement markings, etc. Reflective barrels shall be placed to warn motorists of hazards. Maximum spacing of barrels shall be 30 ft.

The timing of any lane restrictions shall be subject to approval by the Engineer.

The Contractor shall keep lane restrictions to an absolute minimum, as reasonable in order to complete the work. When lane restrictions are necessary, the Contractor shall perform continuous work operations so as to lift the lane restrictions as soon as possible. Lane restrictions shall not remain in place while the Contractor is not actively working.

All other costs of maintaining traffic, as specified for in this contract, shall be paid for at the lump sum price bid for "Prep Cost", and such price shall include and be full compensation for all costs incurred by the Contractor for maintaining traffic, and as set forth in Sections 104.04 and 108.04 of the Standard Specifications.

The Contractor shall be responsible for safe driving of haul trucks, heavy equipment, etc. related to the project work, including subcontractors.

Temporary pavement markings shall be required before two-way traffic is allowed on a newly paved road; if more than one lane is present in the same direction, turn lanes or if previous pavement markings existed and removed before permanent markings are applied.

The Contractor shall give a 24 hr./day emergency phone number to the owner and to local law enforcement authorities, for the prompt response to project-related concerns during non-work hours.

Lane restrictions shall be during daylight hours only unless otherwise approved by the Engineer.

The Contractor shall coordinate the specific timing of the activation of any new signalization system, reopening, etc. When practical, the Contractor shall provide access through the site for emergency vehicle traffic.

Note that "Road Construction Ahead" signage shall be installed prior to any other work, and shall be removed only upon final acceptance of the project or initial acceptance of the segment for paving packages. These signs shall be checked on a daily basis and promptly reset as needed.

On roads that have an ADT of 5000 cars per day or greater, advance warning of road construction and / or closure shall be placed 1 week in advance of construction and detour route established. These roads will be noted on bid sheet.

TP9 - DUST AND AIR POLLUTION CONTROL

GENERAL

Provision shall be made for prompt removal from traveled roadways of all dirt and other materials that have been deposited thereon by operations associated with the project, whenever the accumulation is sufficient to cause the formation of dust or mud, interfere with drainage, damage pavements, or create a traffic hazard. Construction methods and means shall be employed to keep flying dust and air pollution to a minimum. Provisions shall be made for the control of dust on the project and on the roads, streets and other areas affected by the project wherever traffic or buildings or construction materials are affected by such dust. The materials and methods used for dust control shall be subject to approval by the Engineer. Pulverized roads within the Paving Program shall have grade watered to minimize dust. The cost of controlling dust and air pollution shall be included in the costs of other pay items and no additional payment will be made.

TP10 - CONTAMINATION PRECAUTION

GENERAL

Contractor shall take all precautions to avoid the spillage of construction-related liquids and fuels during the project. All portable stationary fuel tanks shall have secondary containment.

TP11 - MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)

GENERAL

Wherever in the Contract Documents reference is made to the Manual on Uniform Traffic Control Devices, MUTCD, it shall be interpreted to mean the 2011 Indiana Manual on Uniform Traffic Control Devices with revisions 1. 2 & 3.

TP12 - COORDINATION CLAUSE

GENERAL

Contractor shall coordinate the work on this project with any other public works projects that may be taking place within the vicinity of the project site, or that are seen to, or are expected to, have an effect on this project or that this project has on another. This includes coordination with projects funded by Elkhart County, neighboring counties, municipalities, utilities or INDOT.

TP13 - CRACK SEAL

1. GENERAL

Sealing or filling longitudinal and transverse cracks shall conform to INDOT Standard Specifications section 408 except as modified below. Work to be completed consists of furnishing all labor, materials, and equipment to complete work in accordance with project documentation.

2. MATERIALS

Materials shall be in accordance with Asphalt Binder, PG 64-22, in section 902.01(a) of INDOT Standards. Materials can be stored at Elkhart County Highway facilities. If county facilities are used, it is the contractor's responsibility to set up material delivery. Contractor shall notify Engineer/Inspector 48 hours in advance of material delivery to any location provided.

County facilities: Middle 21968 County Road 38, Goshen, 46526

North 52491 County Road 17, Bristol, 52491 South 18400 County Road 50, New Paris, 46553

3. CONSTRUCTION

The contractor shall meet with the county Engineer/Inspector on a daily basis to discuss the planned work areas and expected material usage for the day as well as previous day's quantities placed. Changes in plans need to be clearly communicated to the Engineer/Inspector. Material certifications shall be submitted to the county for crack seal material prior to work beginning.

This work shall consist of cleaning, prep, and application of sealant. Crack cleaning shall be accomplished using an air compressor capable of producing a minimum of 100 psi and a steel lance capable of properly cleaning and drying the crack. Areas with wider cracks containing vegetation shall be cleaned with a routing machine with a wire bush head or other acceptable means.

Asphalt material shall be placed from a distributor in accordance with 409.03, and placed with a "V" shaped wand tip. The crack shall be completely filled with an overband not to exceed three inches. Areas where cracks are insufficiently filled will require a second application. Filled cracks shall be covered with sufficient fine aggregate or other suitable material to prevent damage or tracking of material. Contractor shall submit proposed cover method and material to Engineer/Inspector for review and approval. It is the contractor's responsibility to ensure that traffic control is maintained to keep traffic off of freshly placed sealant.

Cracks and Joints requiring rout and seal of $\frac{1}{2}$ in or less shall be routed with machine capable of cutting a uniform shape to form a reservoir not exceeding $\frac{3}{4}$ in wide with minimum depth of $\frac{3}{4}$ inch. Cracks and joints shall be cleaned by blowing with compressed air or other suitable means. Debris shall be kept from active traffic lanes and shall be disposed of in accordance with 104.07. Rout and seal cracks and joints shall be approved by the engineer prior to performance of work.

4. PAYMENT

Crack in Asphalt Pavement, Fill	TON
Cracks and joints in Asphalt Pavement, Rout and Seal	TON

APPENDICES

For

2025 CRACK SEAL PROGRAM

APPENDIX A - Maps
APPENDIX B - Project Quantities

OWNERS:

ELKHART COUNTY, INDIANA, ACTING THROUGH ITS BOARD OF COUNTY COMMISSIONERS ELKHART COUNTY HIGHWAY DEPARTMENT ENGINEERING SECTION 610 STEURY AVENUE

GOSHEN, IN 46528



Elkhart County Highway Department 610 Steury Avenue, Goshen, Indiana 46528 Phone: 574-533-0538 • Fax: 574-533-7103

APPENDIX A

For

2025 CRACK SEAL PROGRAM

APPENDIX A – Project Maps

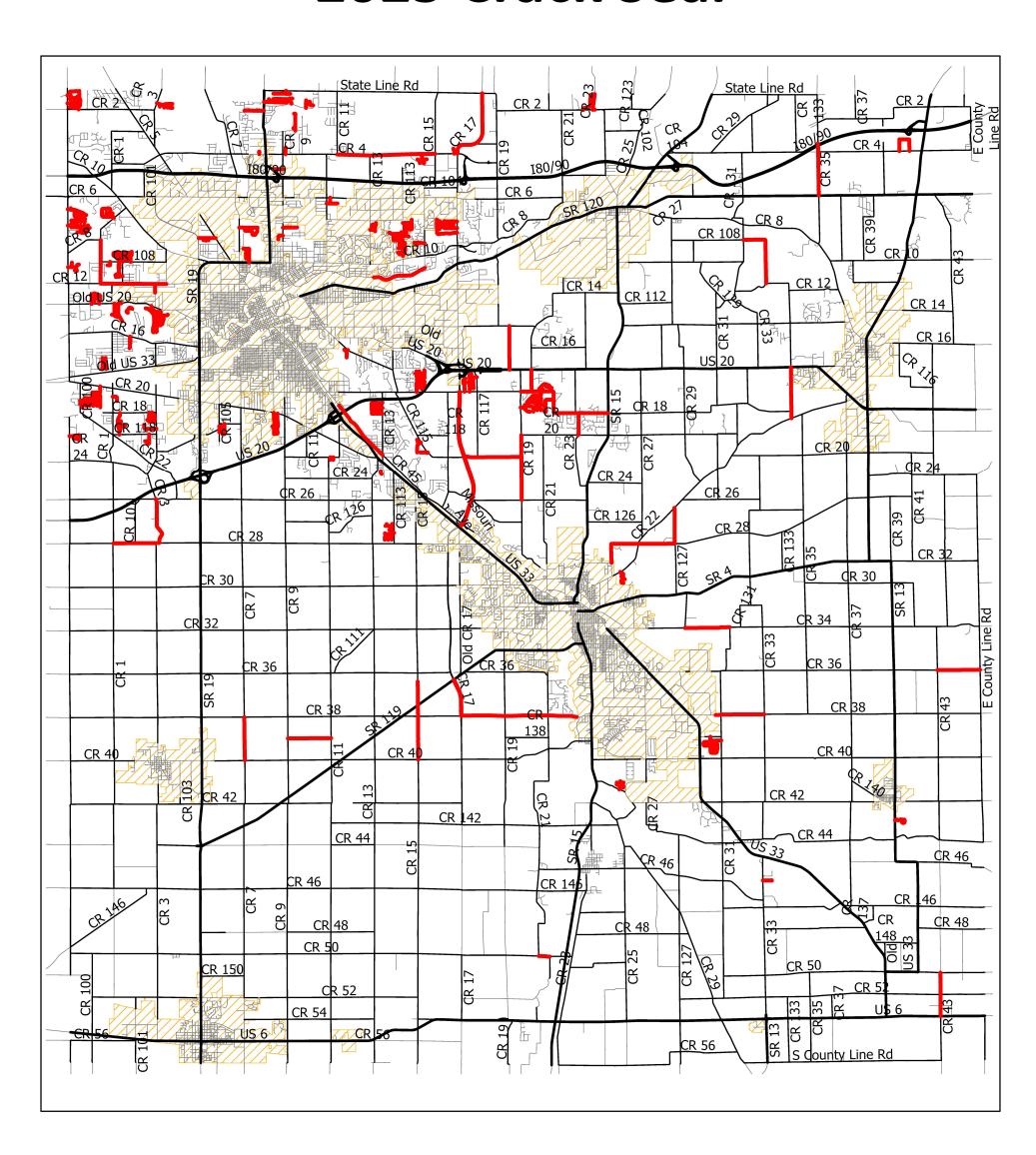
OWNERS:

ELKHART COUNTY, INDIANA, ACTING THROUGH ITS BOARD OF COUNTY COMMISSIONERS ELKHART COUNTY HIGHWAY DEPARTMENT ENGINEERING SECTION 610 STEURY AVENUE GOSHEN, IN 46528



Elkhart County Highway Department 610 Steury Avenue, Goshen, Indiana 46528 Phone: 574-533-0538 • Fax: 574-533-7103

Elkhart County 2025 Crack Seal



This map does not constitute a survey nor an engineering drawing. The map and any information shown on it is not warranted for accuracy, merchantability, or fitness for a particular purpose. Reliance is at the user's risk. Copying or other reproduction of this map and any information shown on it is prohibited without the prior written permission of the County of Elkhart, Indiana.

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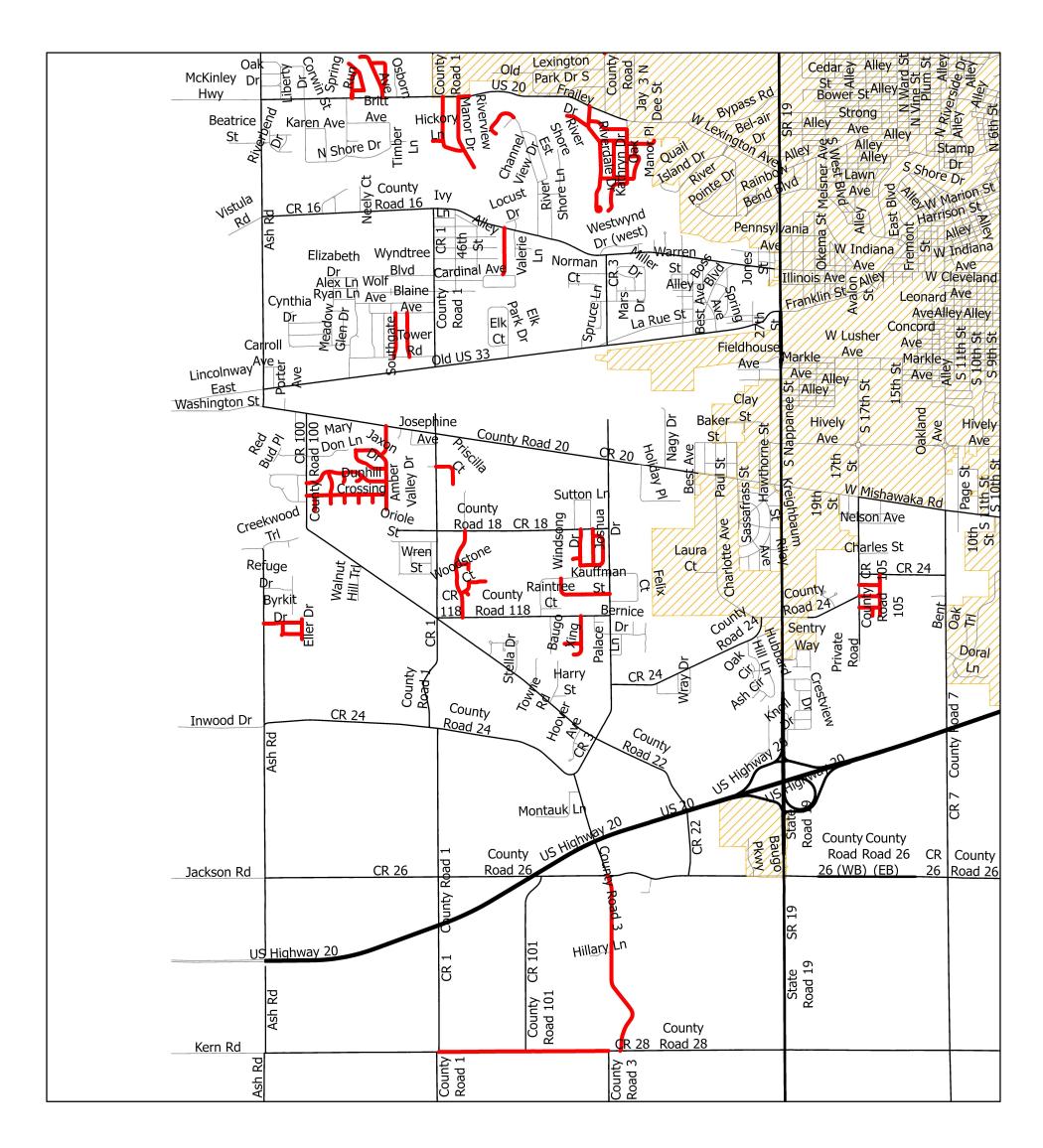
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LEGALSYS

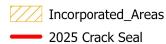
— County Primary
— INDOT Overpass
— St. Joe County

State Trunkline
— Toll Road Commission
— <all other values>
— 2025 Crack Seal

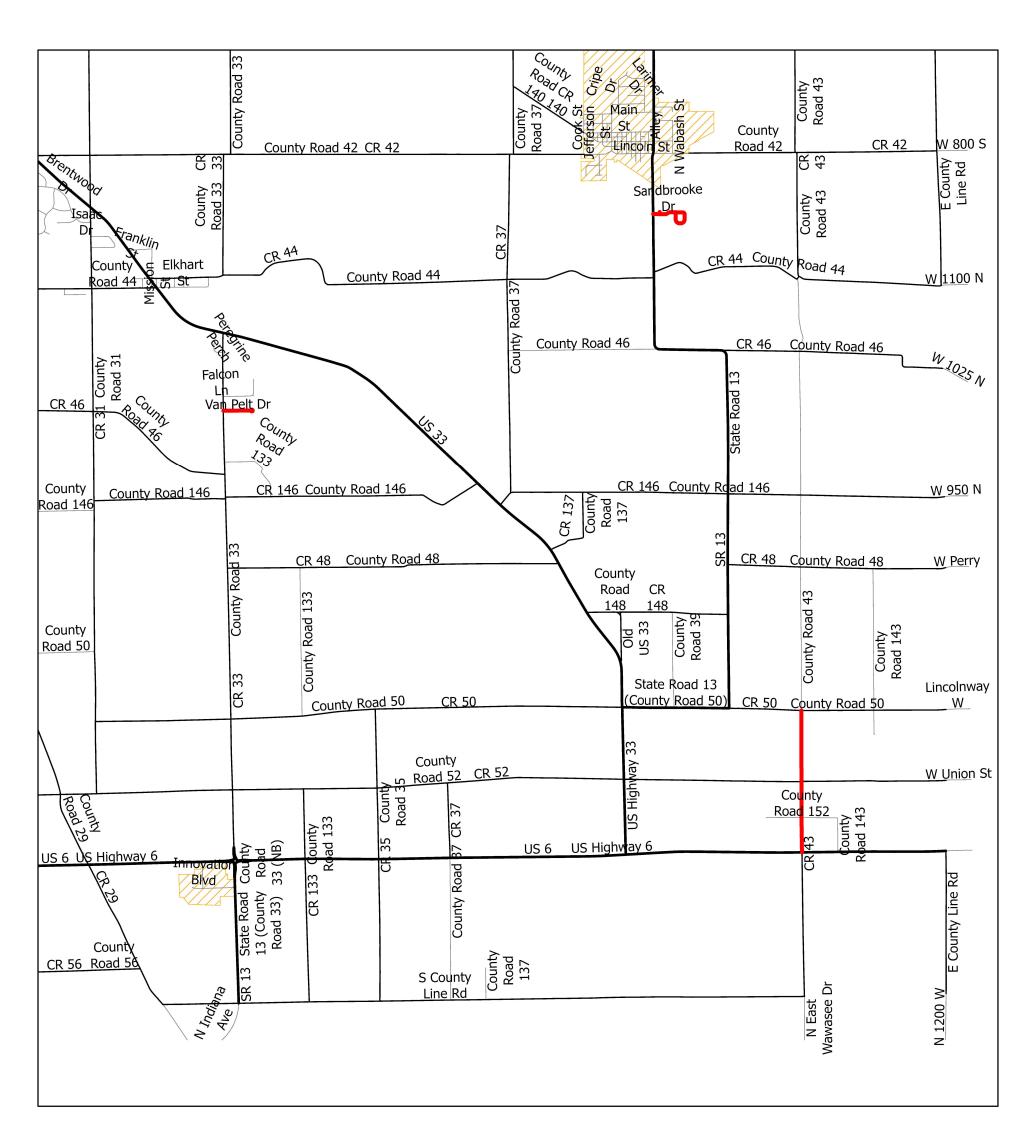
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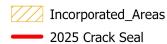
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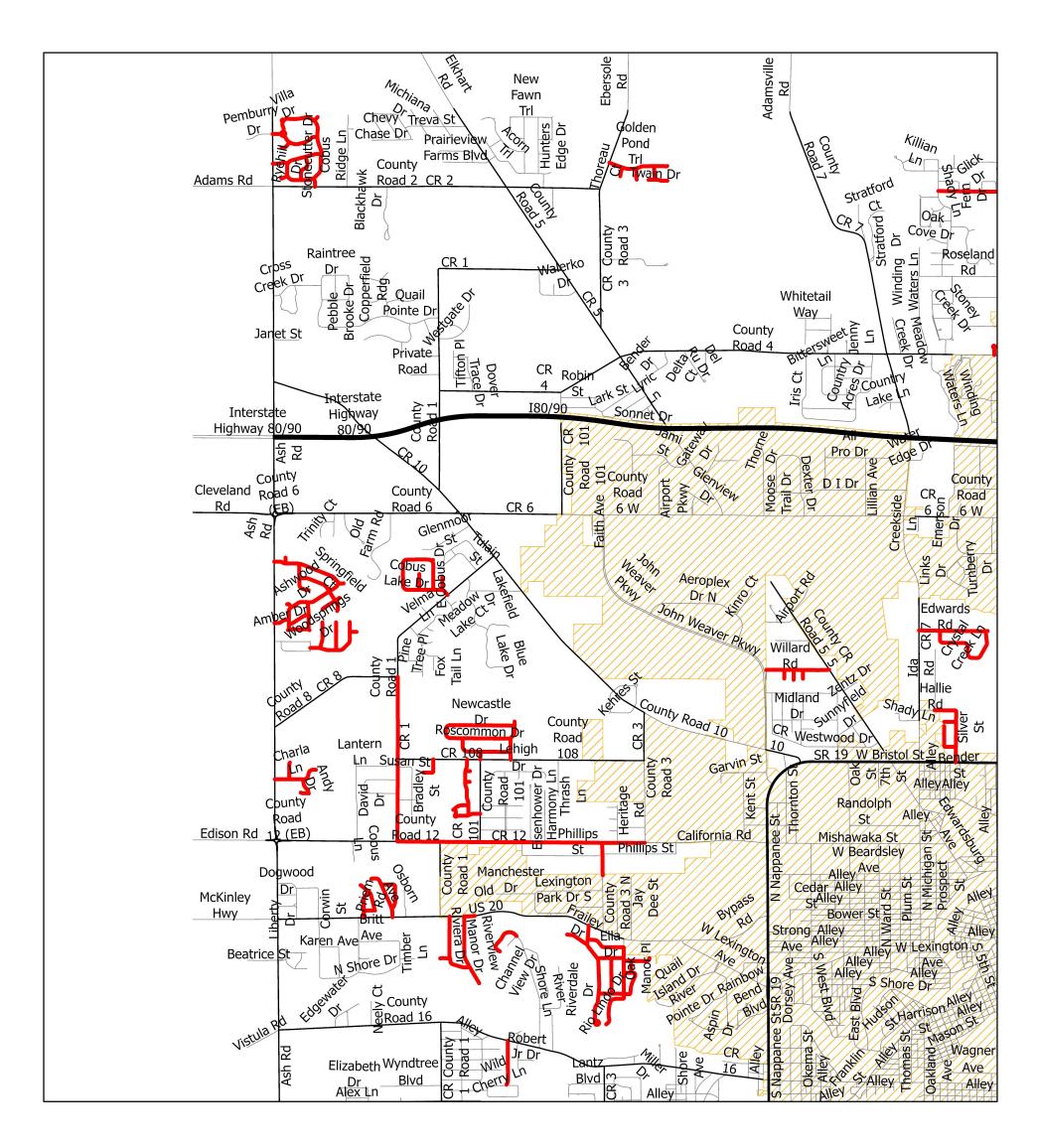
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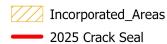
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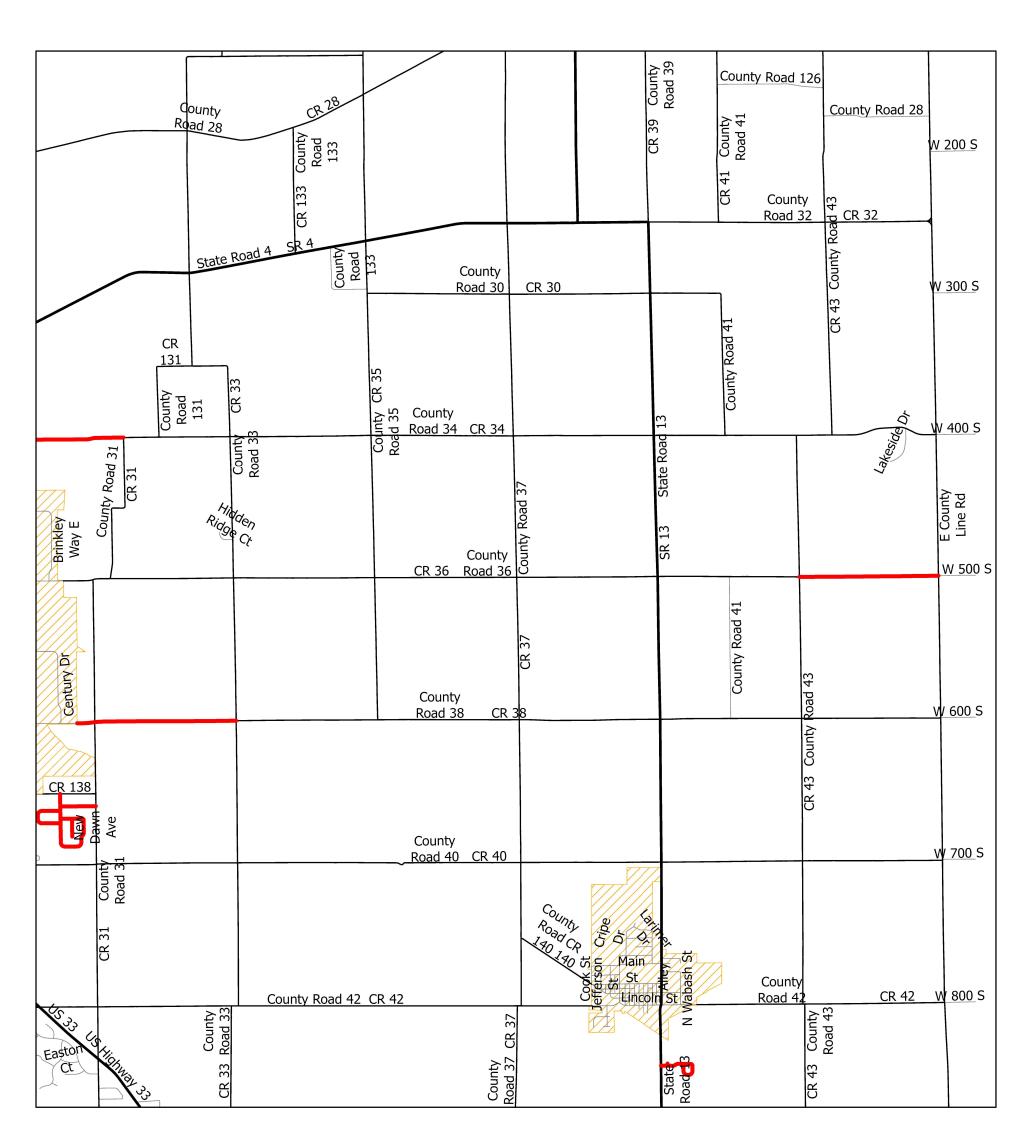
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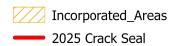
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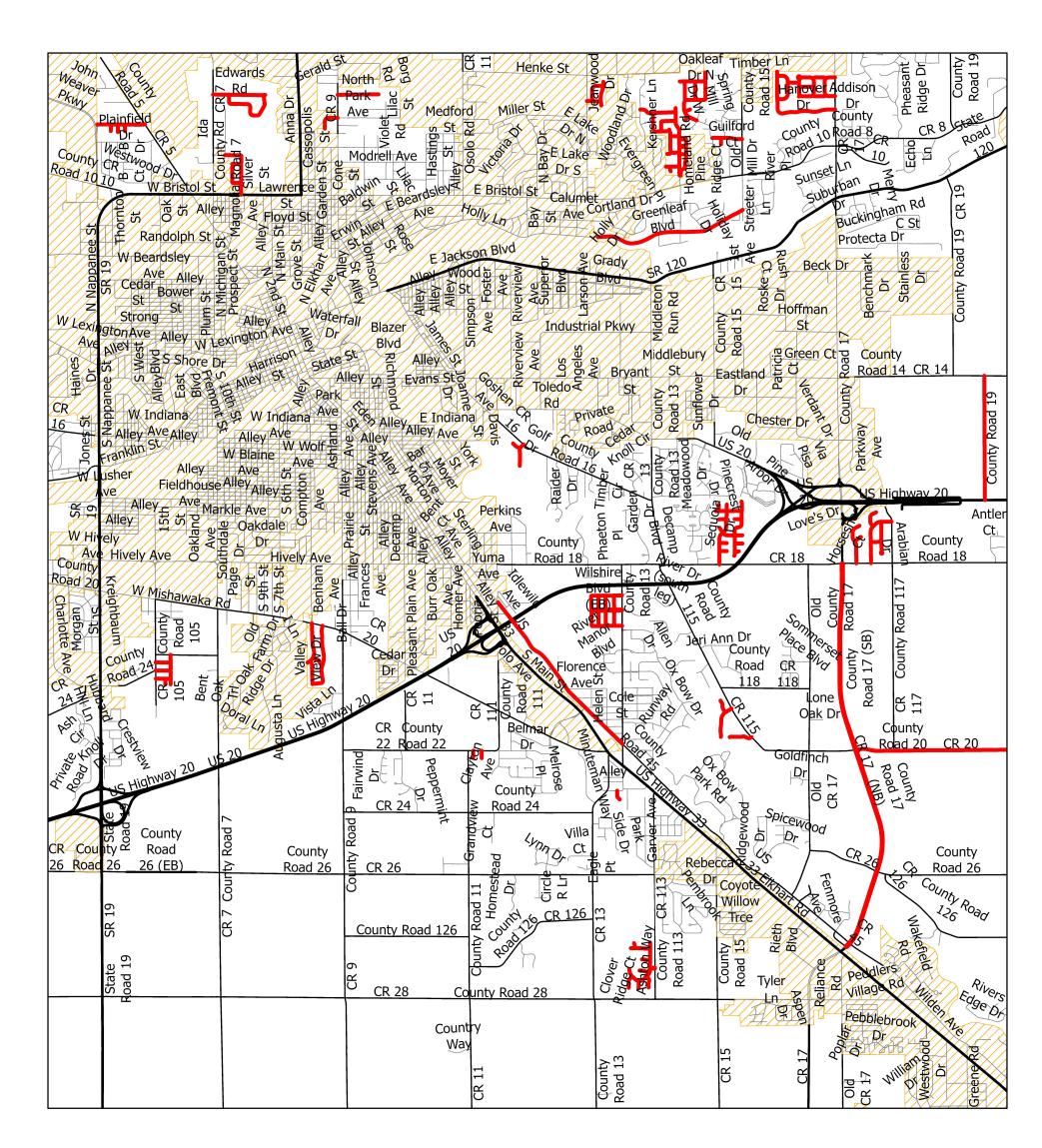
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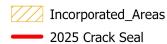
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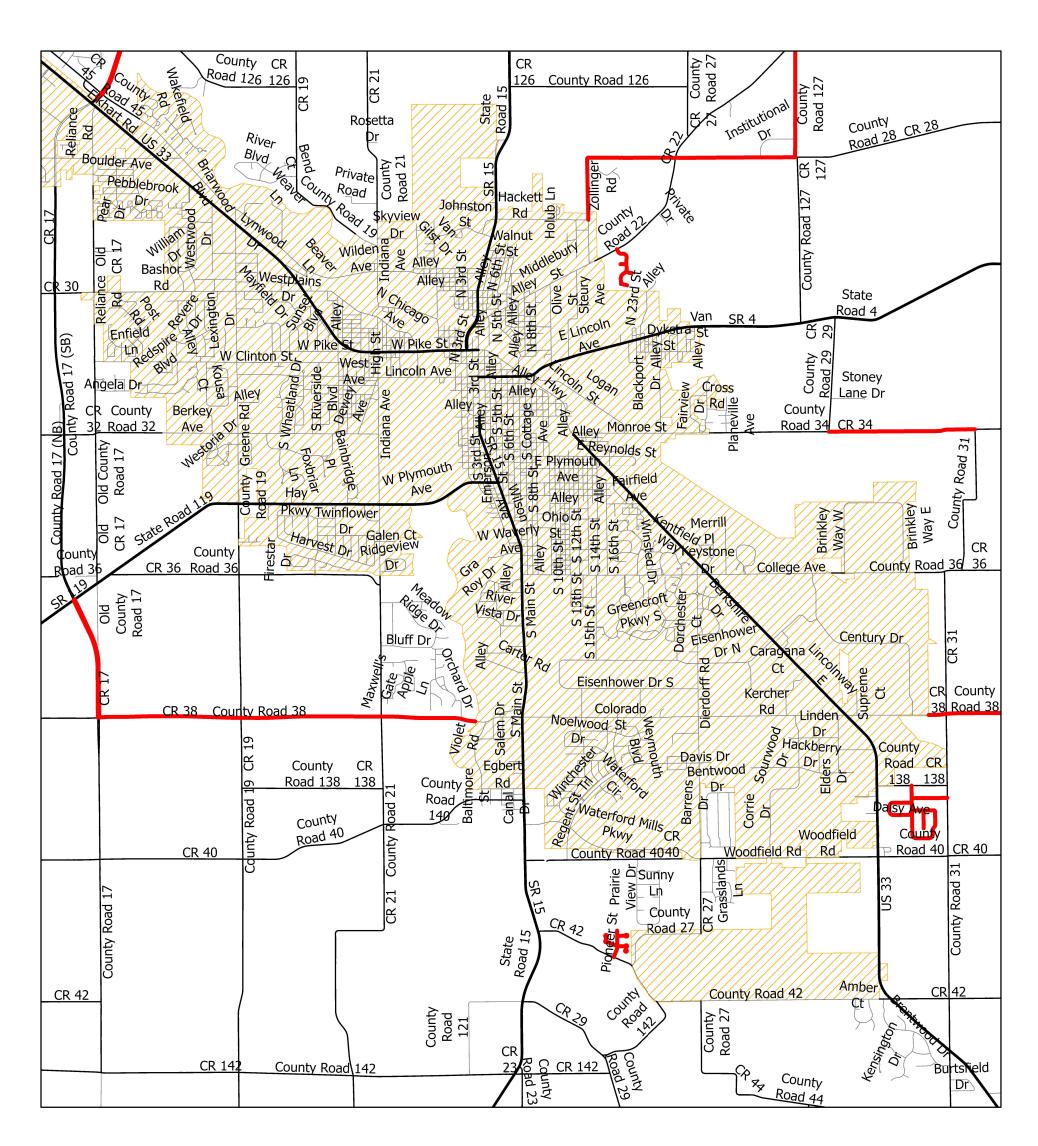
Elkhart County - Concord Twp 2025 Crack Seal



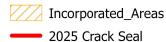
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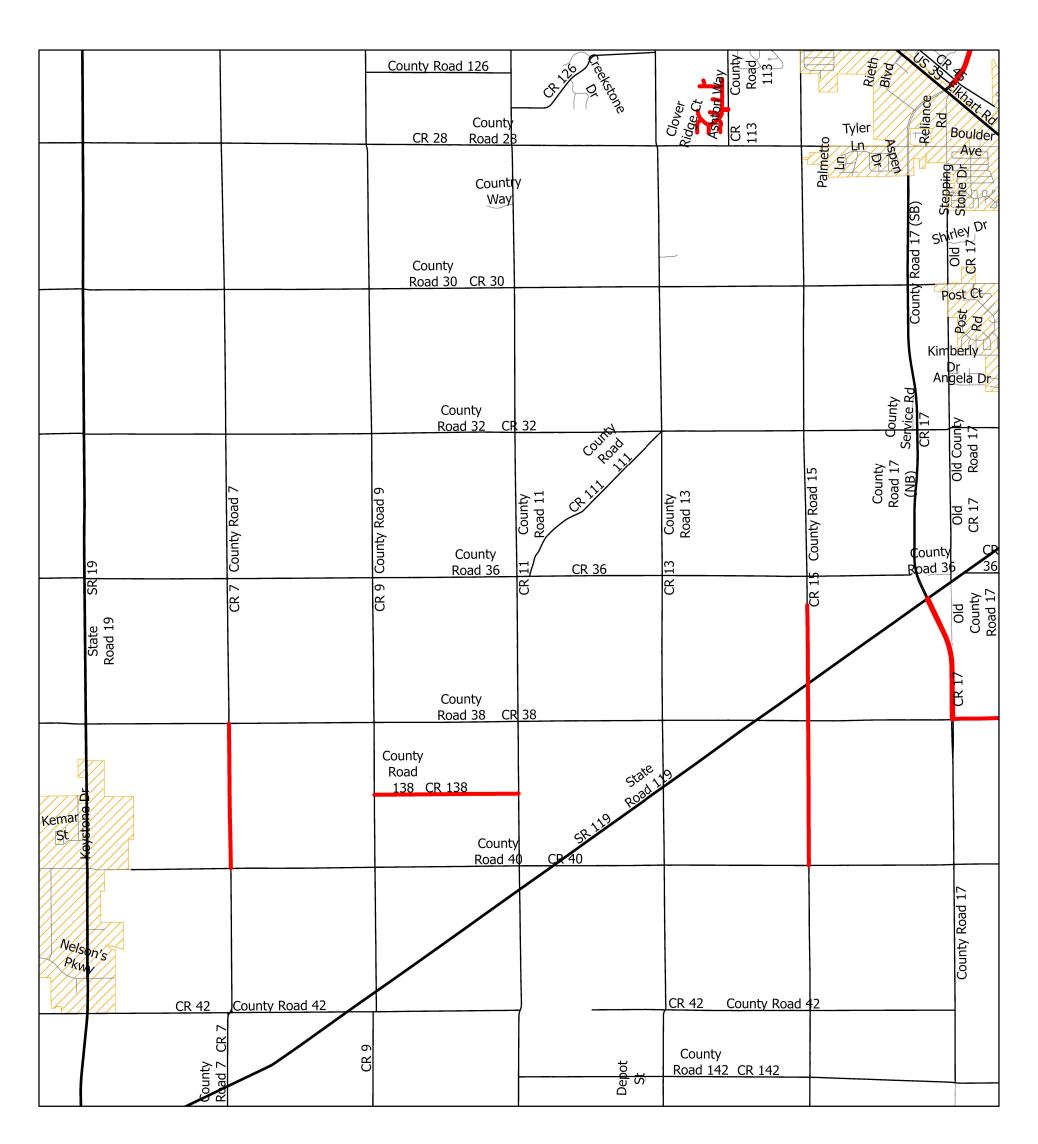
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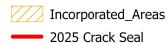
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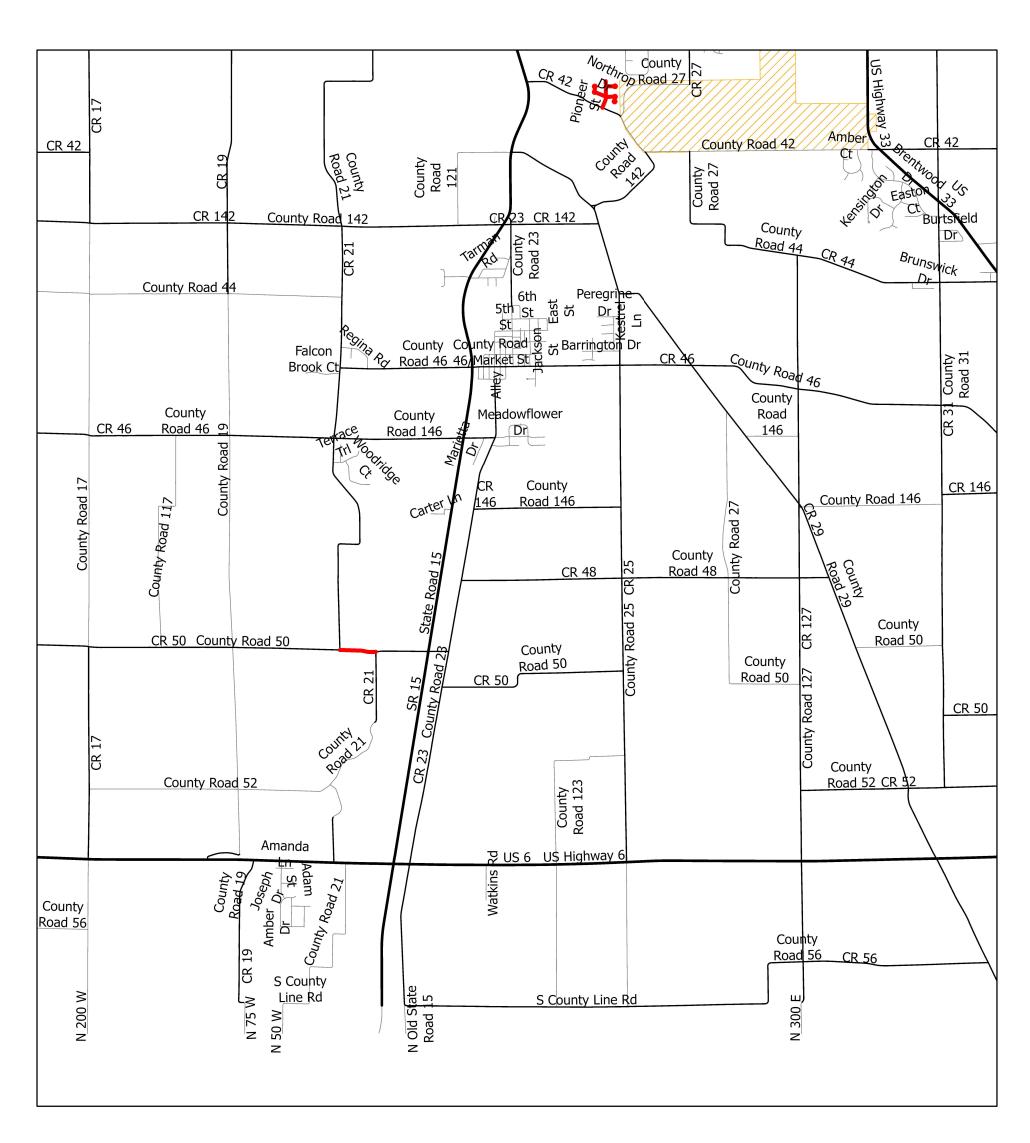
Elkhart County - Harrison Twp 2025 Crack Seal



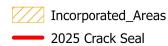
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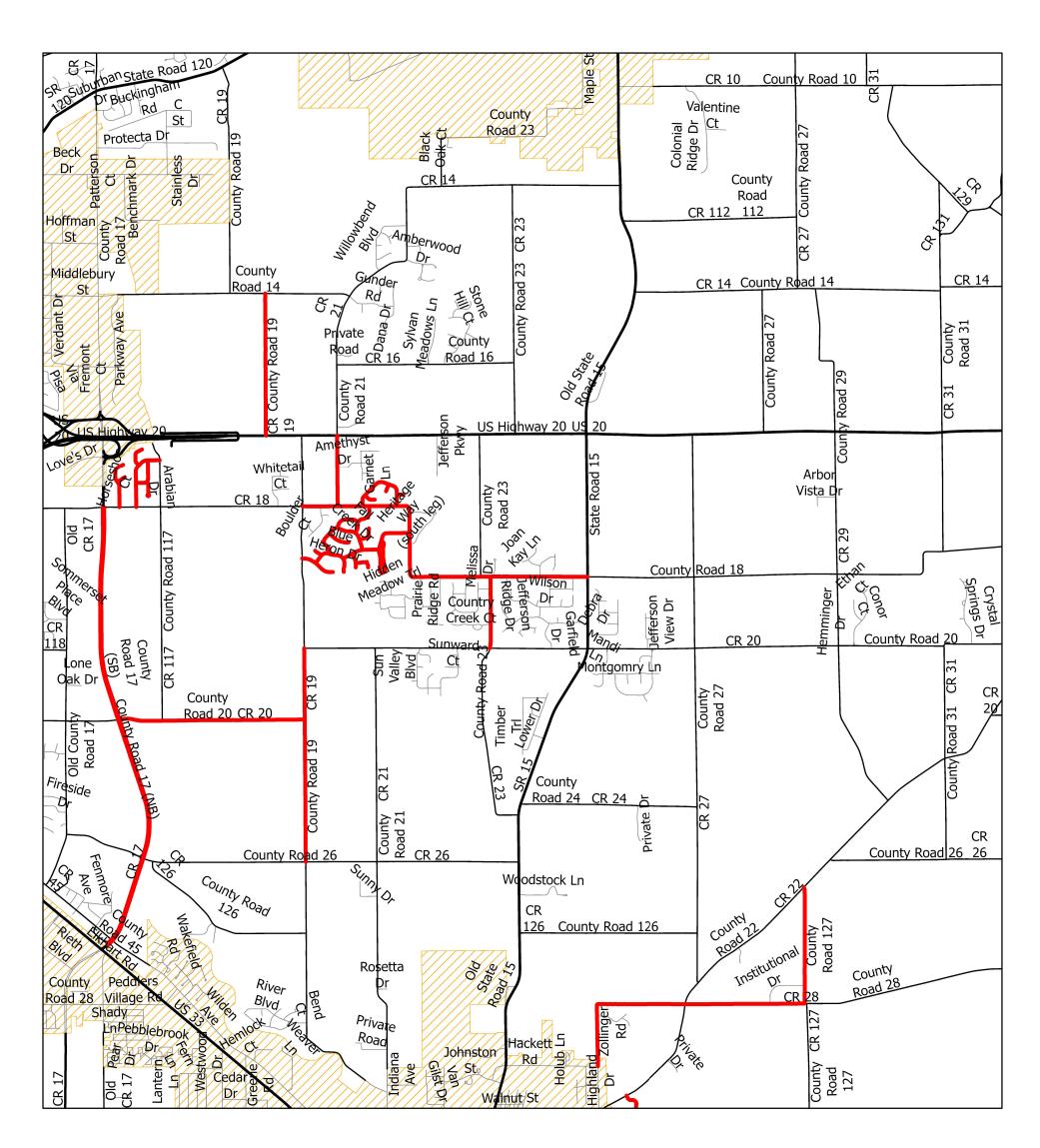
Elkhart County - Jackson Twp 2025 Crack Seal



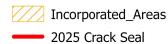
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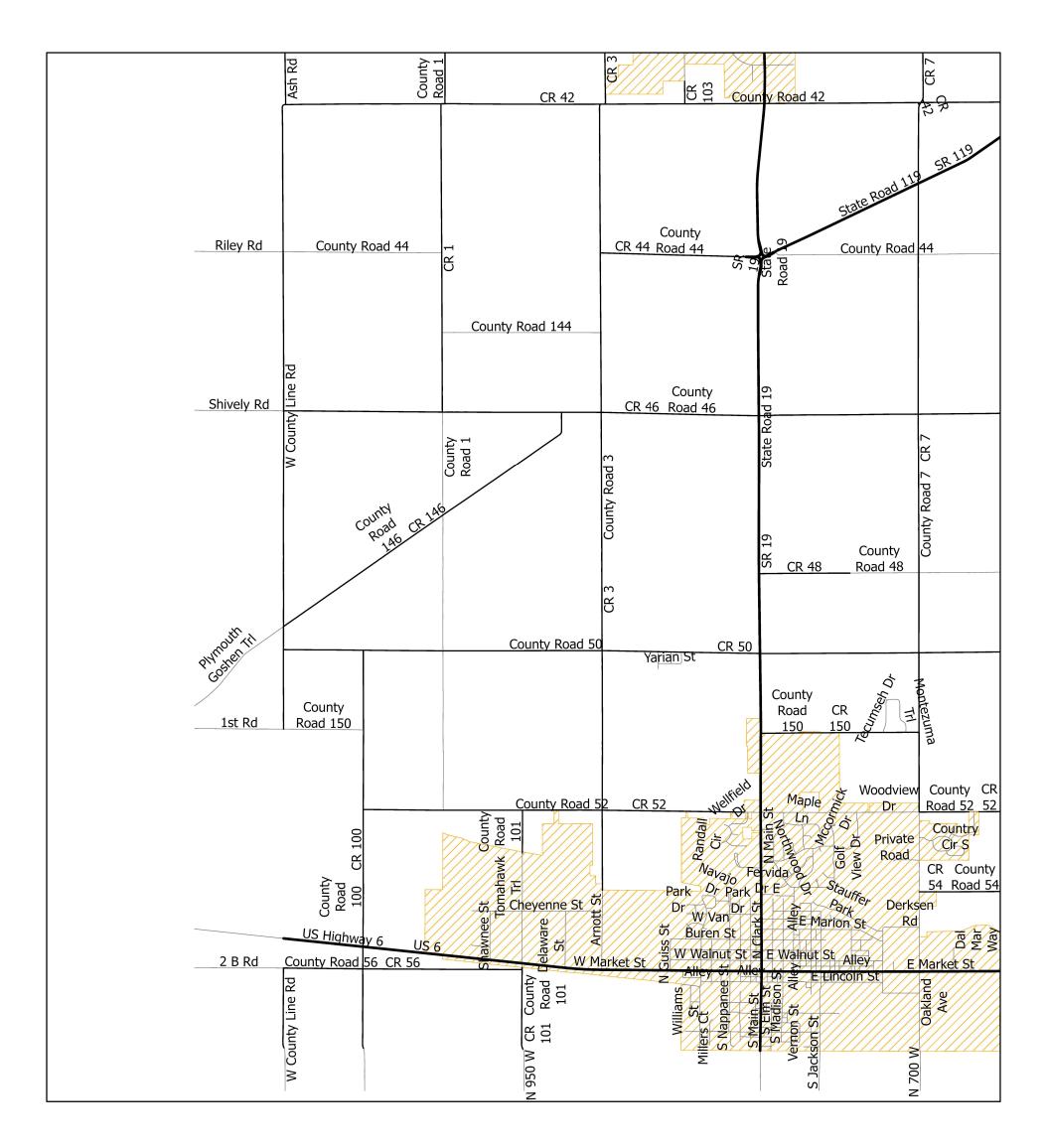
Elkhart County - Jefferson Twp 2025 Crack Seal



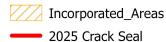
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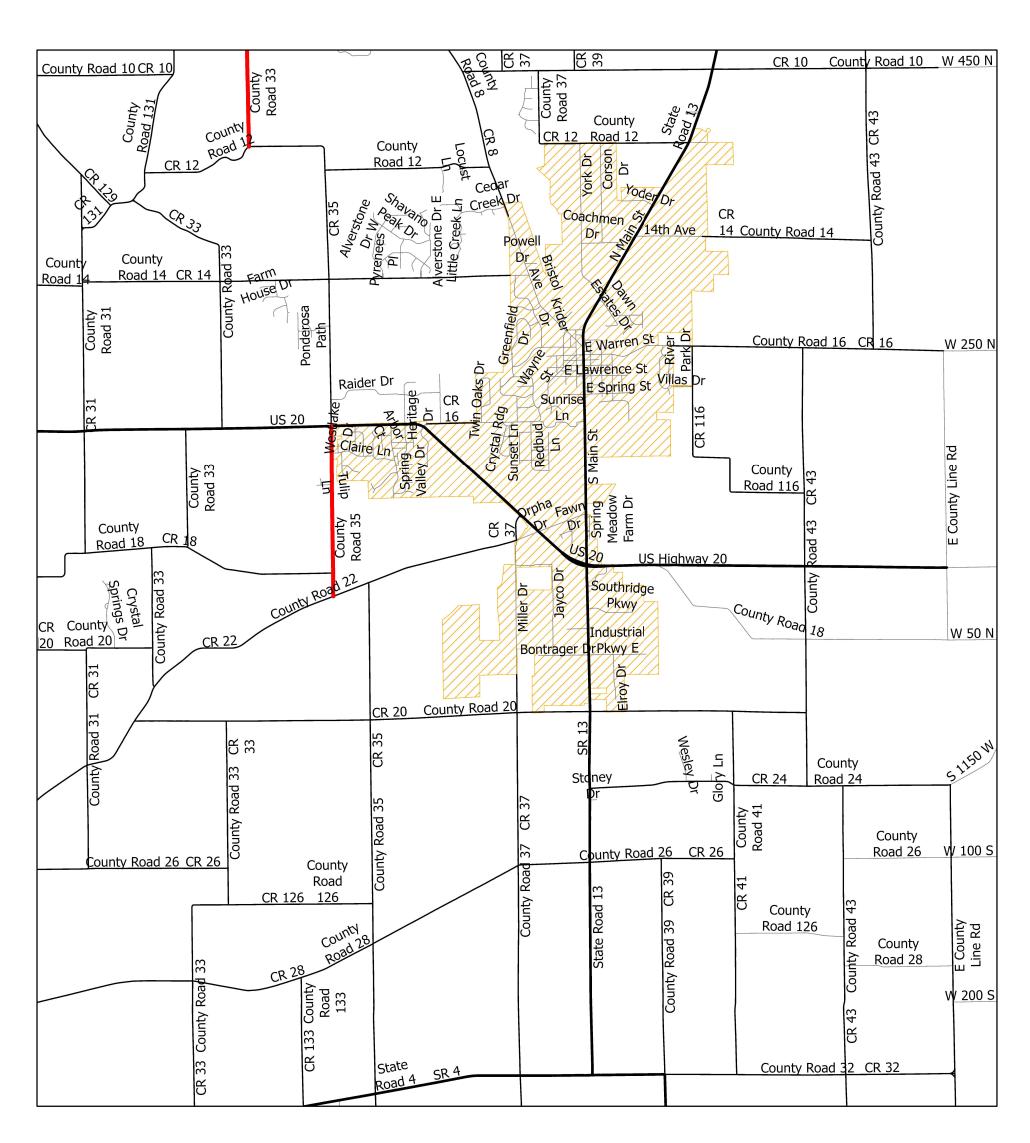
Elkhart County - Locke Twp 2025 Crack Seal



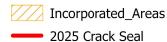
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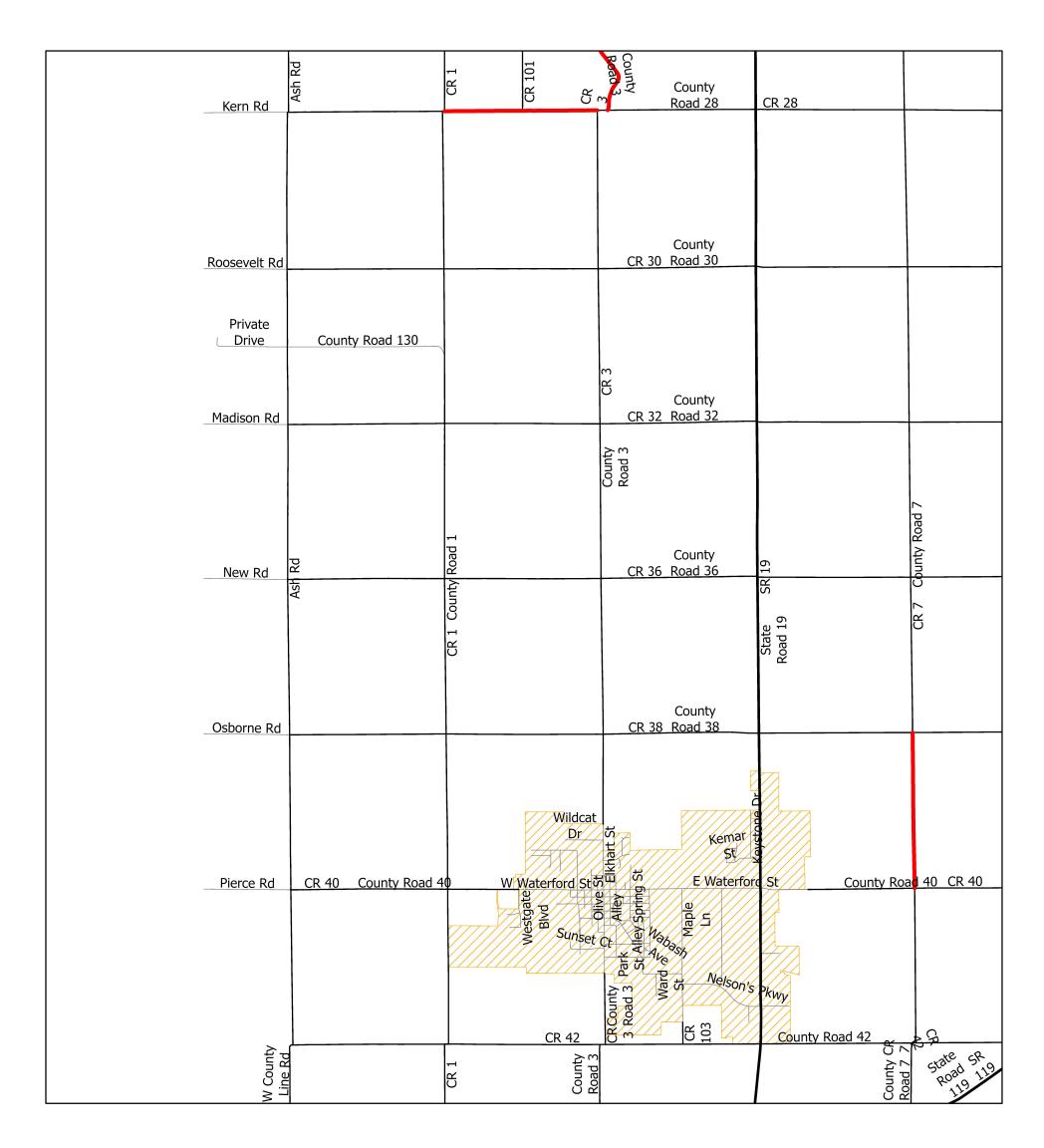
Elkhart County - Middlebury Twp 2025 Crack Seal



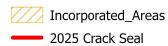
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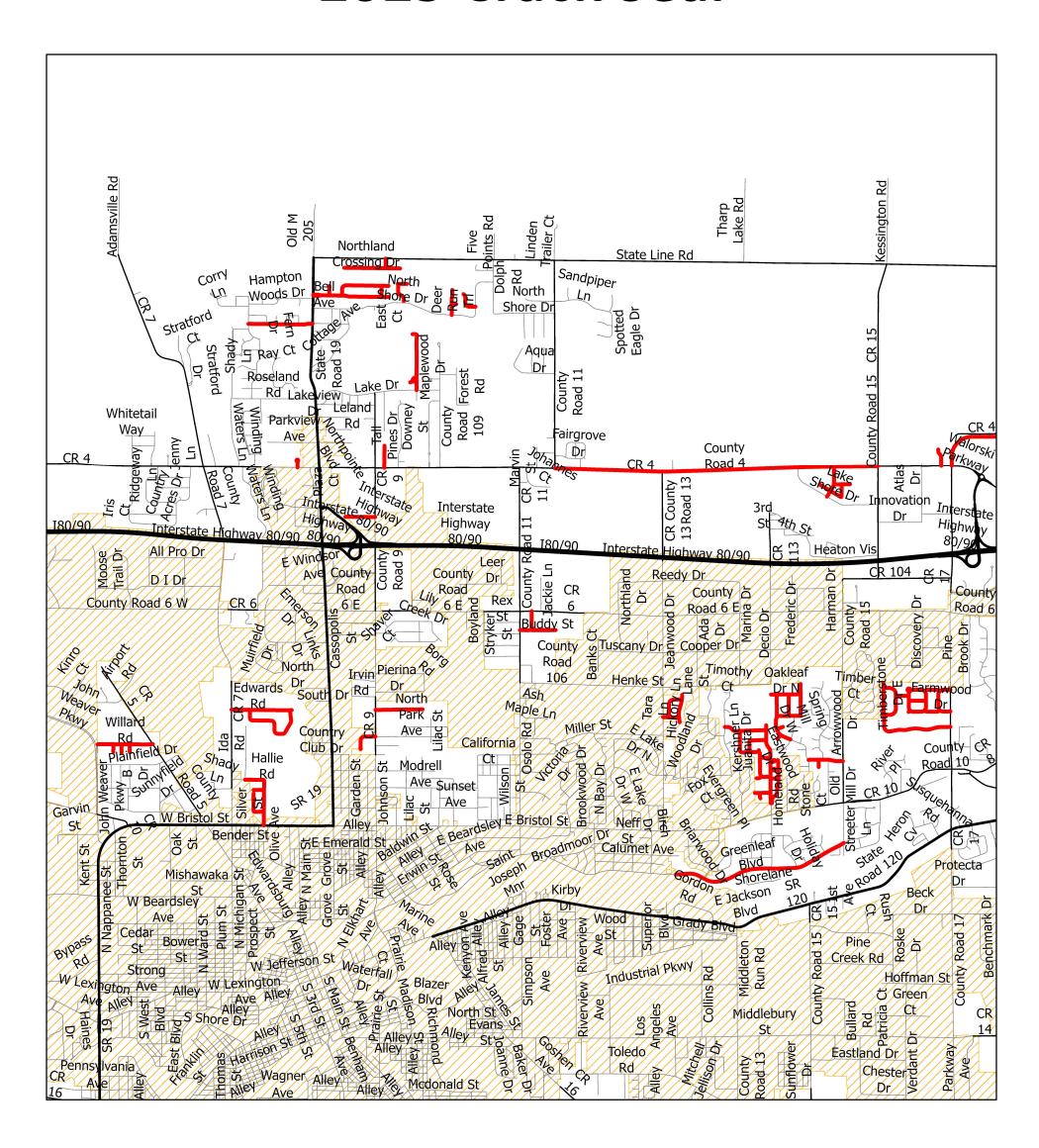
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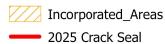
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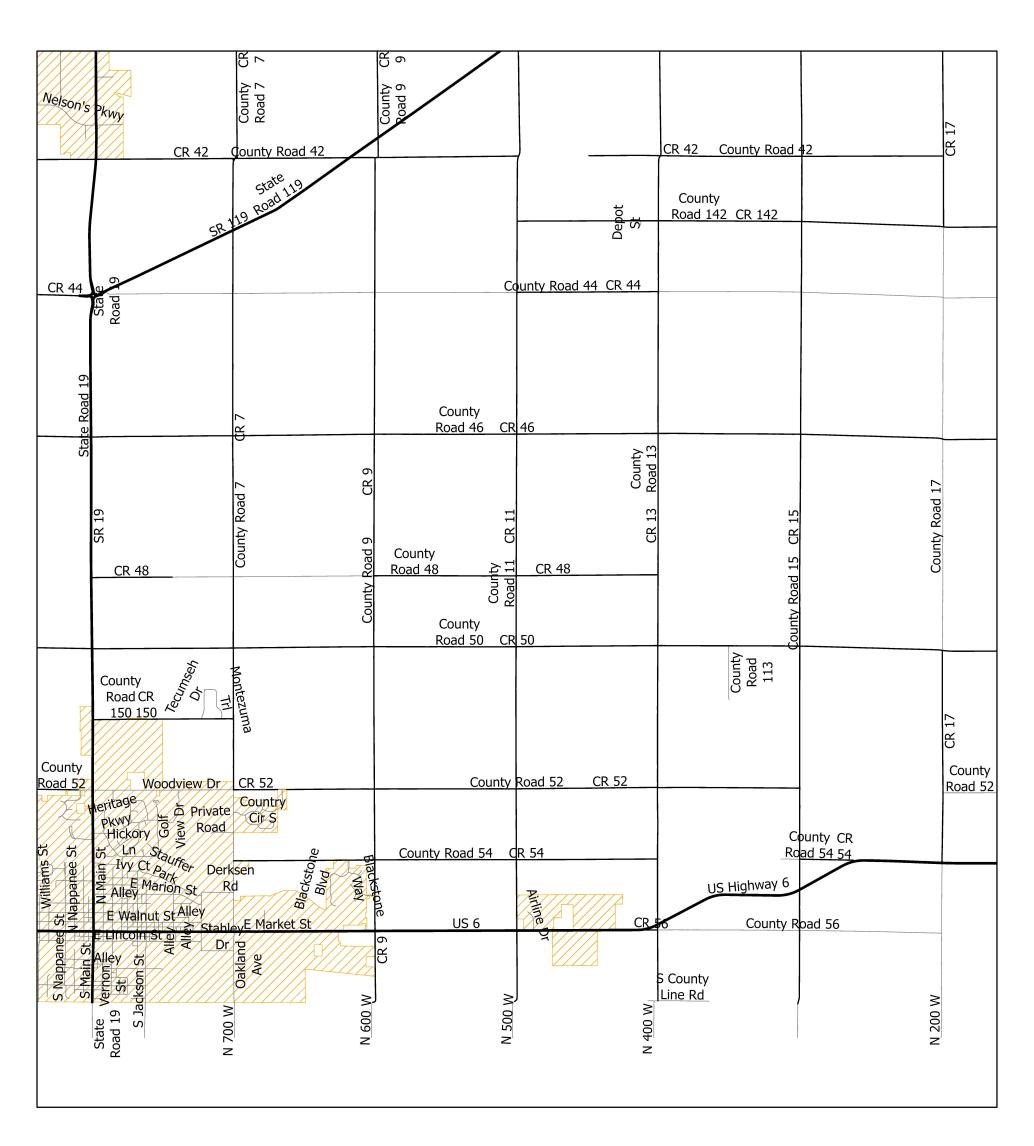
Elkhart County - Osolo Twp 2025 Crack Seal



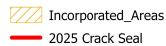
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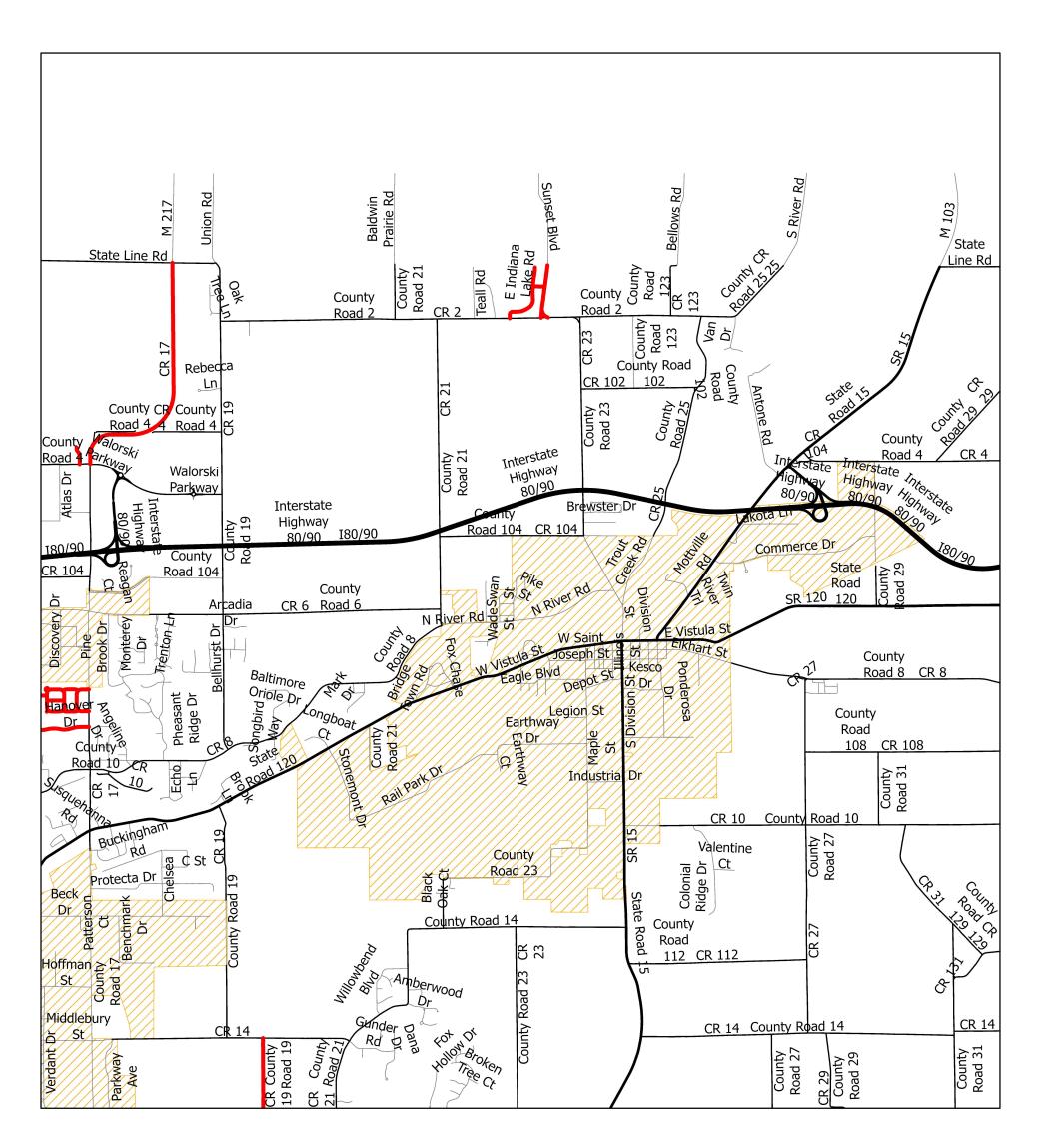
Elkhart County - Union Twp 2025 Crack Seal



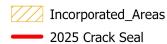
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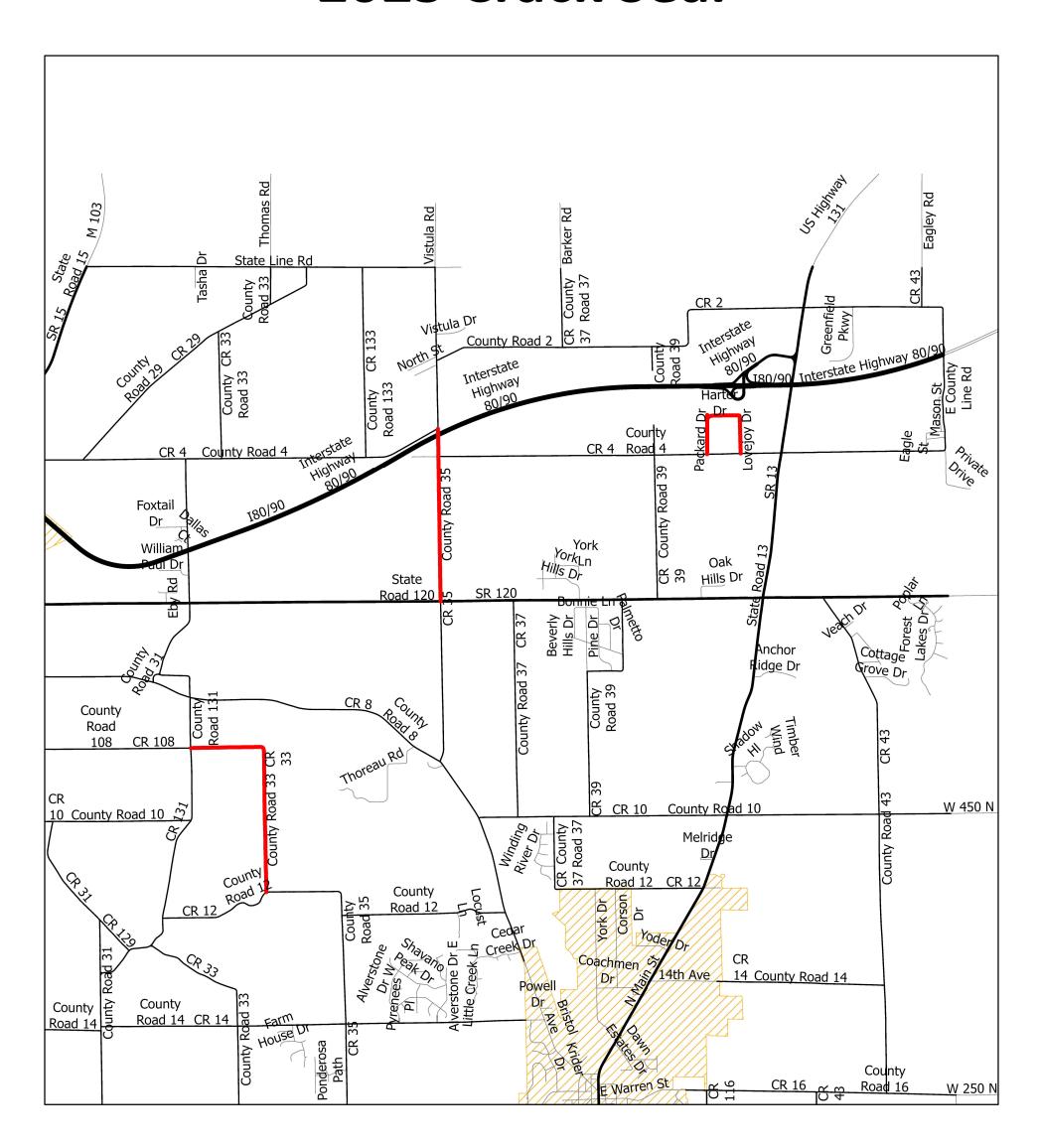
Elkhart County - Washington Twp 2025 Crack Seal



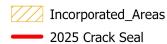
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Elkhart County - York Twp 2025 Crack Seal



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APPENDIX B

For

2025 CRACK SEAL PROGRAM

APPENDIX B - Project Quantities

OWNERS:

ELKHART COUNTY, INDIANA, ACTING THROUGH ITS BOARD OF COUNTY COMMISSIONERS ELKHART COUNTY HIGHWAY DEPARTMENT ENGINEERING SECTION 610 STEURY AVENUE GOSHEN, IN 46528



Elkhart County Highway Department 610 Steury Avenue, Goshen, Indiana 46528 Phone: 574-533-0538 • Fax: 574-533-7103

Road Name	From	То	Length (mi)	# of Lanes	Width (ft)	Right Shoulder Width (ft)	Left Shoulder Width (ft)
Church Rd	E Indiana Lake Rd	County Road 23	0.082	1	16	0	0
County Road 23 (east leg)	County Road 2	County Road 23 (west leg)	0.071	2	22	0	0
Conrad St	Buddy	County Road 6	0.133	2	18	0	0
Hickory Ln	End	Manor Ln	0.033	2	15	0	0
Oak Leaf Pl	Oak Manor Pl	Oak Ln	0.047	2	18	0	0
Old Orchard Ln	Golf Dr	County Road 16	0.036	2	18	0	0
Golf Dr	End	Old Orchard Ln	0.07	2	18	0	0
Lombard Ave	Benham Ave	Valley View Dr	0.102	2	20	0	0
County Road 1	County Road 108	County Road 8	0.503	2	24	0	0
Stonegate Cir	Kelsie Ct	Ridgepoint Ct	0.075	2	22	0	0
Stonegate Cir	Clover Ridge Ct	Kelsie Ct	0.066	2	22	0	0
Quail Ridge Dr (WB)	State Road 19	Quail Ridge Dr	0.055	2	15	0	0
Barberry Dr	Quail Ridge Dr	Heatherfield Dr	0.078	2	22	0	0
Jimmie St	Windsong Dr	Joshua Dr	0.076	2	22	0	0
Birchwood Dr	Amber Meadows Ct/Amber Meadows Dr	End	0.043	2	22	0	0
Laverne Ct (NB/SB)	Private Road	Maplewood Dr	0.048	2	22	0	0
Woodside Dr (cul-de-sac)	Woodside Dr (NB/SB)	Woodside Dr (EB/WB)	0.056	2	20	0	0
Balmoral Dr	Stanford Dr	Woodside Dr	0.091	2	15	0	0
Merganser Dr	Woodsprings Dr	End	0.041	2	22	0	0
Crestwood/Eastwood cul-de-sac	Eastwood Dr	End	0.013	2	18	0	0
Willow Wind Ct	End	Windsong Dr	0.043	2	22	0	0
Stonegate Ct	End	Ashton Way	0.066	2	22	0	0
Stonegate (WB)	Ashton Way	County Road 113	0.045	1	20	0	0
Amber Meadows Ct (cul-de-sac)	End	Amber Meadows Ct	0.007	2	22	0	0
Darin Ct	Sandbrooke Dr	End	0.015	2	22	0	0
Northrop Dr (cul-de-sac)	Northrop Dr	Northrop Dr	0.029	2	20	0	0
Northrop Dr (cul-de-sac)	DeKalb Ln	Northrop Dr	0.033	2	20	0	0
Glenriver Dr	River Forest Dr	End	0.104	2	22	0	0
Alesha Way	Patricia Dr	Sandbrooke Dr	0.098	2	22	0	0
Patricia Dr	Alesha Way	Sandbrooke Dr	0.094	2	22	0	0
Sunflower Ave	Buttercup Ave	Tropicana Ave	0.15	2	22	0	0
Buttercup Ave	Daisy Ave	INDOT split	0.04	2	22	0	0
Buttercup Ave	INDOT split	Sunflower Ave	0.036	2	22	0	0
Daisy Ave	Buttercup Ave	Tropicana Ave	0.156	2	22	0	0
Eagle Hill Ln	Fall Creek Dr	Woodmere Dr	0.185	2	22	0	0
Meridian Ct	Blue Heron Dr	End	0.056	2	22	0	0
Woodmere Dr	Eagle Hill Ln	Woodmere Dr	0.075	2	22	0	0
Weber Ln	El Dorado Dr	Fall Creek Dr/Stonecreek Dr	0.118	2	22	0	0
Stonecreek Dr	Stonecreek Ct	Weber Ln	0.08	2	22	0	0
Stonecreek Ct	Wingham Ct	Stonecreek Dr	0.074	2	22	0	0
Fall Creek Ct	Fall Creek Dr cul-de-sac	End	0.062	2	22	0	0
Fall Creek Dr	Stonecreek Dr/Weber Ln	Fall Creek Ct	0.075	2	22	0	0
Deer Path Ct	Hillside Dr	End	0.156	2	22	0	0
Fall Creek Dr	Woodmere Dr	Eagle Hill Ln	0.131	2	22	0	0
Ruby Ct Emerald Chase Ln	Emerald Chase Ln County Road 18	End Ruby Ct	0.046	2	22	0	0
	,		80.0	2	22	0	
Jade Cir	End Opal Ct	Emerald Chase Ln	0.053	2	22	0	0
Emerald Chase Ln W Opal Ct	Opal Ct Emerald Chase Ln W	Emerald Chase Ln End	0.136	2	22 22	0	0
Russell Pointe Dr	County Road 2	Dawson Dr	0.08	2	22	0	0
Twain Dr	End	Melville Pass	0.054	2	22	0	0
Twain Dr	Melville Pass	End	0.042	2	22	0	0
Spring Meadow Ct	Springfield Ct	End	0.075	2	22	0	0
Spring Meadow Ct	Springrieta Ct End	Springfield Ct	0.031	2	22	0	0
Falling Water Dr	Stone Edge Dr	Springlieta Ct Spring Run	0.097	2	22	0	0
Stone Edge Dr	Stolle Edge Di Spring Run	Falling Water Dr	0.119	2	22	0	0
Spring Run	Stone Edge Dr	Falling Water Dr	0.125	2	22	0	0
Spring Run (NB)	Old US 20	Spring Run	0.125	1	12	0	0
Falling Waters Ct	Falling Water Dr	End	0.027	2	22	0	0
Arbor Dale Ct	End	Dunhill Crossing	0.004	2	22	0	0
West Port Ln	End	Dunhill Crossing	0.047	2	22	0	0
Brook Valley Ct	End	Dunhill Crossing	0.048	2	22	0	0
Long Grove Dr	End	Dunhill Crossing Dunhill Crossing	0.048	2	22	0	0
Weathered Pine Ct	End	Dunhill Crossing	0.049	2	22	0	0
Timberleaf Ct	End	Woodstone Ct	0.049	2	22	0	0
וווווטכונכמו טנ				2	22	0	0
Woodstone Ct	Timberleat Ct						
Woodstone Ct Woodstone Ct	Timberleaf Ct Westleaf Manor Blvd	Woodstone Ct Timberleaf Ct	0.056 0.031	2	22	0	0

Sommerwood Ct	Westleaf Manor Blvd	Sommerwood Ct cul-de-sac	0.027	2	22	0	0
Crossing Gate Dr	Ashton Ct	End	0.042	2	22	0	0
Canyon River Dr	End	County Road 115	0.182	2	22	0	0
Gardenwood Trl	Northland Crossing Dr	State Line Rd	0.067	2	22	0	0
County Road 17 (SB)	County Road 20	County Road 18	1.52	2	26	8	4
County Road 17 (NB)	County Road 20	County Road 18	1.519	2	26	8	4
• • • •	•	•	-	2	24	0	0
Missouri Ave	County Road 17 (SB)	County Road 17 (NB)	0.01				
Sandy Creek Dr	Ash Rd/Pemburry Dr	Sandy Creek Dr Roundabout	0.052	2	22	0	0
Sandy Creek Dr Roundabout	Sandy Creek Dr	Villa Dr	0.031	2	22	0	0
Sandy Creek Dr Roundabout	Sandy Creek Dr	Villa Dr	0.022	2	22	0	0
Sandy Creek Dr Roundabout	Sandy Creek Dr	Sandy Creek Dr	0.026	2	22	0	0
County Road 35	County Road 4	Interstate Highway 80/90 (EB)	0.143	2	22	2	2
County Road 35	Interstate Highway 80/90 (EB)	Interstate Highway 80/90 (WB)	0.016	2	22	2	2
County Road 35	Interstate Highway 80/90 (WB)	County Road 4	0.034	2	22	2	2
Glen Dr	County Road 4	End	0.122	2	22	0	0
Lakeland Rd	County Road 4	End	0.157	2	9	0	0
Lincoln Dr	Ashwood Dr	Kennedy Dr	0.134	2	22	0	0
	End	Willard Rd	0.053	2	18	0	0
Maude St			-				1
Stardust Ct	Ashwood Dr	End	0.036	2	22	0	0
Hickory Ln	Woodmont Dr	End	0.032	2	15	0	0
Sunwood Dr	Woodside Dr	Bruce Dr	0.119	2	20	0	0
Tara Ln	Manor Ln	Woodmont Dr	0.115	2	15	0	0
Woodmont Dr	Tara Ln	Hickory Ln	0.084	2	15	0	0
Oakcrest Dr	Ashwood Dr	Kennedy Dr	0.118	2	22	0	0
Edwards Rd	County Road 7	Pleasant Pl	0.129	2	18	0	0
Edwards Rd	Pleasant Pl	Crystal Creek Ln	0.28	2	18	0	0
Farmwood Dr	Bridgewood Dr	County Road 17	0.075	2	20	0	0
Farmwood Dr	Bruce Dr	Bridgewood Dr	0.073	2	20	0	0
		•	-				
Farmwood Dr	Woodside Dr	Bruce Dr	0.105	2	20	0	0
Manor Ln	Jeanwood Dr	Tara Ln	0.042	2	15	0	0
Hickory Ln	Manor Ln	Woodmont Dr	0.128	2	15	0	0
Manor Ln	Tara Ln	Hickory Ln	0.07	2	15	0	0
Gertrude St	End	Willard Rd	0.054	2	18	0	0
Esther St	End	Willard Rd	0.061	2	18	0	0
Blair Ct	End	Century Dr	0.039	2	18	0	0
Oak Ln	Oak Leaf Pl	Oakwood Pl	0.073	2	18	0	0
Frailey Dr	End	Riverdale Dr	0.143	2	18	0	0
Riviera Dr	Hickory Ln	Old Us 20	0.254	2	18	0	0
	End	Riviera Dr	0.059	2	22	0	0
Hickory Ln			-				1
Oakwood Pl	Oak Manor Pl	Oak Ln	0.045	2	18	0	0
Riverview Manor Dr	Riviera Dr	Old Us 20	0.316	2	18	0	0
Riverview Manor Dr	End	Riviera Dr	0.117	2	18	0	0
Kathryn Dr	Oak Grove Dr	Ella Dr	0.218	2	18	0	0
Riverdale Dr (east leg)	Riverdale Dr (west leg)	Riverdale Dr	0.054	2	18	0	0
Pomona St	Tower Rd	Blaine Ave	0.256	2	18	0	0
Bellflower St	Tower Rd	Blaine Ave	0.257	2	18	0	0
Hummingbird Ct	Flicker Dr	End	0.05	2	22	0	0
Flicker Dr	Downy Ct	Sequoia Dr	0.121	2	20	0	0
Downy Ct	Flicker Dr	End	0.052	2	22	0	0
Flicker Dr	Hummingbird Ct	Downy Ct	0.052	2	20	0	0
			-				1
Flicker Dr	End	Hummingbird Ct	0.024	2	20	0	0
Condor Ct	End	Sequoia Dr	0.057	2	20	0	0
Warbler Ct	End	Osage Dr	0.057	2	22	0	0
Mulberry Ct	Osage Dr	End	0.059	2	20	0	0
Catalpa Ct	Osage Dr	End	0.059	2	20	0	0
Mallard Ct	Sequoia Dr	End	0.061	2	22	0	0
Eastgate Ave	Quebec St	Yukon St	0.056	2	16	0	0
Eastgate Ave	Santa Anita St	Quebec St	0.06	2	16	0	0
County Road 35	County Road 22	County Road 18	0.16	2	24	0	0
County Road 18	County Road 22 County Road 23 (N)	County Road 16 County Road 23 (S)	0.10	2	24	2	2
Ellis St	Byrd Ave	Wilshire Blvd (EB)	0.123	2	16	0	0
Lotus Ln	County Road 105	Terrace Ln	0.121	2	18	0	0
Kauffman St	Summer Tree Ln	County Road 3	0.249	2	16	0	0
Sunflower Ln	End	Cherry Ln	0.048	2	22	0	0
County Road 19	County Road 20 (W)	County Road 20 (E)	0.504	2	22	2	2
	End	County Road 22	0.059	2	22	0	0
Jasmine Ct	i contract of the contract of	· ·	-				0
	Fnd	Ashton Way	0.082	2	22	()	
Raber Ct	End County Road 1 (N)	Ashton Way County Road 101	0.082	2	22	0	1
	End County Road 1 (N) State Road 119	Ashton Way County Road 101 Speed Limit Split	0.082 0.503 0.542	2 2 2	22 24 22	0 2	0 2

	T	1	1				
Prairie Rose Ave	Tropicana Ave	County Road 31	0.252	2	22	0	0
County Road 15	County Road 40	County Road 38	0.998	2	24	0	0
County Road 50	County Road 21 (N)	County Road 21 (S)	0.256	2	24	0	0
County Road 43	County Road 152	County Road 52	0.255	2	22	2	2
County Road 43	US Highway 6	County Road 152	0.246	2	22	2	2
County Road 43	County Road 52	County Road 50	0.501	2	22	2	2
County Road 36	County Road 43	E County Line Rd	0.982	2	22	2	2
Eastgate Ave	Yukon St	Ellis St	0.069	2	16	0	0
Ellis St	Wilshire Blvd (WB)	Eastgate Ave	0.113	2	16	0	0
Ellis St	Wilshire Blvd (EB)	Wilshire Blvd (WB)	0.007	2	16	0	0
Eastgate Ave	Ellis St	County Road 13	0.065	2	16	0	0
County Road 108	County Road 131	PASER rating split	0.232	2	22	2	2
County Road 108	PASER rating split	County Road 33	0.27	2	22	2	2
County Road 33	County Road 12	County Road 108	1.006	2	24	0	0
County Road 12	County Road 1 (NB)	County Road 1 (SB)	0.262	2	22	2	2
County Road 28	County Road 101	County Road 3 (S)	0.48	2	24	0	0
Castlewood Ct	End	Forest Grove Ave	0.035	2	22	0	0
Forest Grove Ave	Elkhart City limits	Castlewood Ct	0.187	2	22	0	0
White Oak Ct	Irongate Dr	Country Manor Pl	0.09	2	22	0	0
Crystal Creek Ln	Pleasant Pl	Edwards Rd	0.238	2	18	0	0
Bannock Cir	End	Bainbridge Dr	0.051	2	22	0	0
Andy Dr	Kevin Ct	Charla Ln	0.092	2	22	0	0
Kevin Ct	End	Andy Dr	0.046	2	22	0	0
Irongate Dr (cul-de-sac)	Irongate Dr	Irongate Dr	0.034	2	22	0	0
North Fork Ln	Charla Ln	End	0.103	2	22	0	0
Kelsie Ct	Stonegate Cir	End	0.058	2	22	0	0
Riviera Dr	Riverview Manor Dr	Hickory Ln	0.152	2	18	0	0
Forest Grove Ave	Kingsland Ct	Penton Ct	0.064	2	22	0	0
Forest Grove Ave	Castlewood Ct	Kingsland Ct	0.062	2	22	0	0
Eastwood Dr	Ray Ln	Homeland Rd	0.067	2	18	0	0
Creek Ridge Ct	End	Arlene Ave	0.078	2	22	0	0
Stonegate (EB)	Ashton Way	County Road 113	0.045	1	20	0	0
Ridgepoint Ct	End	·	0.043	2	22	0	0
Falcon Ct	Sequoia Dr	Stonegate Cir End	0.033	2	20	0	0
Ray Ln	End	Eastwood Dr	0.033	2	18	0	0
Sunnytrail Pl	Spring Mill Dr W	End	0.039	2	22	0	0
Briarton Dr	Quail Ridge Dr	Heatherfield Dr	0.047	2	22	0	0
Heatherfield Dr	Barberry Dr	End	0.071	2	22	0	0
Heatherfield Dr	Tiverston Dr		0.049	2	22	0	0
		Barberry Dr		2		0	ł
Heatherfield Dr	Briarton Dr	Tiverton Dr End	0.068 0.159	2	22 22	0	0
			0.159	2			
Pintail Dr	Woodsprings Dr						
N Cobus Dr	Cobus Creek Dr	East Cobus Dr	0.175	2	20	0	0
N Cobus Dr Stow Ct	Cobus Creek Dr Cobus Lake Dr	East Cobus Dr End	0.175 0.083	2 2	20 20	0	0
N Cobus Dr Stow Ct Rogers Rd	Cobus Creek Dr Cobus Lake Dr End	East Cobus Dr End County Road 9	0.175 0.083 0.208	2 2 2	20 20 20	0 0 0	0 0 0
N Cobus Dr Stow Ct	Cobus Creek Dr Cobus Lake Dr End Oakbrook Dr	East Cobus Dr End	0.175 0.083	2 2	20 20	0	0
N Cobus Dr Stow Ct Rogers Rd Spring Ct Valley Spring Ct	Cobus Creek Dr Cobus Lake Dr End Oakbrook Dr Springfield Ct	East Cobus Dr End County Road 9 End Oakbrook Dr	0.175 0.083 0.208 0.036 0.088	2 2 2 2 2	20 20 20 22 22	0 0 0 0	0 0 0 0
N Cobus Dr Stow Ct Rogers Rd Spring Ct Valley Spring Ct Valley Spring Ct	Cobus Creek Dr Cobus Lake Dr End Oakbrook Dr Springfield Ct End	East Cobus Dr End County Road 9 End Oakbrook Dr Springfield Ct	0.175 0.083 0.208 0.036 0.088 0.113	2 2 2 2 2 2	20 20 20 22 22 22 22	0 0 0 0 0	0 0 0 0 0
N Cobus Dr Stow Ct Rogers Rd Spring Ct Valley Spring Ct Valley Spring Ct Canvasback Trce	Cobus Creek Dr Cobus Lake Dr End Oakbrook Dr Springfield Ct End Woodsprings Dr	East Cobus Dr End County Road 9 End Oakbrook Dr Springfield Ct End	0.175 0.083 0.208 0.036 0.088 0.113 0.169	2 2 2 2 2 2 2 2	20 20 20 22 22 22 22 22	0 0 0 0 0 0	0 0 0 0 0 0
N Cobus Dr Stow Ct Rogers Rd Spring Ct Valley Spring Ct Valley Spring Ct Canvasback Trce Cobus Creek Dr	Cobus Creek Dr Cobus Lake Dr End Oakbrook Dr Springfield Ct End Woodsprings Dr Cobus Lake Dr	East Cobus Dr End County Road 9 End Oakbrook Dr Springfield Ct End N Cobus Dr	0.175 0.083 0.208 0.036 0.088 0.113 0.169 0.171	2 2 2 2 2 2 2 2 2	20 20 20 22 22 22 22 22 22 20	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0
N Cobus Dr Stow Ct Rogers Rd Spring Ct Valley Spring Ct Valley Spring Ct Canvasback Trce Cobus Creek Dr Newcastle Dr	Cobus Creek Dr Cobus Lake Dr End Oakbrook Dr Springfield Ct End Woodsprings Dr Cobus Lake Dr Donegal Ln	East Cobus Dr End County Road 9 End Oakbrook Dr Springfield Ct End N Cobus Dr Kerryhaven Dr	0.175 0.083 0.208 0.036 0.088 0.113 0.169 0.171 0.409	2 2 2 2 2 2 2 2 2 2 2	20 20 20 22 22 22 22 22 20 22	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0
N Cobus Dr Stow Ct Rogers Rd Spring Ct Valley Spring Ct Valley Spring Ct Canvasback Trce Cobus Creek Dr Newcastle Dr Wexford Dr	Cobus Creek Dr Cobus Lake Dr End Oakbrook Dr Springfield Ct End Woodsprings Dr Cobus Lake Dr Donegal Ln County Road 108	East Cobus Dr End County Road 9 End Oakbrook Dr Springfield Ct End N Cobus Dr Kerryhaven Dr Ashford Dr	0.175 0.083 0.208 0.036 0.088 0.113 0.169 0.171 0.409	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	20 20 20 22 22 22 22 22 20 22 22 22	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0
N Cobus Dr Stow Ct Rogers Rd Spring Ct Valley Spring Ct Valley Spring Ct Canvasback Trce Cobus Creek Dr Newcastle Dr Wexford Dr Washington Sq	Cobus Creek Dr Cobus Lake Dr End Oakbrook Dr Springfield Ct End Woodsprings Dr Cobus Lake Dr Donegal Ln County Road 108 Country Manor Pl	East Cobus Dr End County Road 9 End Oakbrook Dr Springfield Ct End N Cobus Dr Kerryhaven Dr Ashford Dr End	0.175 0.083 0.208 0.036 0.088 0.113 0.169 0.171 0.409 0.048	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	20 20 20 22 22 22 22 22 20 22 22 22 22	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0
N Cobus Dr Stow Ct Rogers Rd Spring Ct Valley Spring Ct Valley Spring Ct Canvasback Trce Cobus Creek Dr Newcastle Dr Wexford Dr Washington Sq Westchester Ct	Cobus Creek Dr Cobus Lake Dr End Oakbrook Dr Springfield Ct End Woodsprings Dr Cobus Lake Dr Donegal Ln County Road 108	East Cobus Dr End County Road 9 End Oakbrook Dr Springfield Ct End N Cobus Dr Kerryhaven Dr Ashford Dr	0.175 0.083 0.208 0.036 0.088 0.113 0.169 0.171 0.409	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	20 20 20 22 22 22 22 22 20 22 22 22	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0
N Cobus Dr Stow Ct Rogers Rd Spring Ct Valley Spring Ct Valley Spring Ct Canvasback Trce Cobus Creek Dr Newcastle Dr Wexford Dr Washington Sq Westchester Ct Oakwood Pl	Cobus Creek Dr Cobus Lake Dr End Oakbrook Dr Springfield Ct End Woodsprings Dr Cobus Lake Dr Donegal Ln County Road 108 Country Manor Pl Oak Ln	East Cobus Dr End County Road 9 End Oakbrook Dr Springfield Ct End N Cobus Dr Kerryhaven Dr Ashford Dr End End End End	0.175 0.083 0.208 0.036 0.088 0.113 0.169 0.171 0.409 0.048 0.027 0.027	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	20 20 20 22 22 22 22 22 20 22 22 22 22 2	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0
N Cobus Dr Stow Ct Rogers Rd Spring Ct Valley Spring Ct Valley Spring Ct Canvasback Trce Cobus Creek Dr Newcastle Dr Wexford Dr Washington Sq Westchester Ct	Cobus Creek Dr Cobus Lake Dr End Oakbrook Dr Springfield Ct End Woodsprings Dr Cobus Lake Dr Donegal Ln County Road 108 Country Manor Pl County Manor Pl	East Cobus Dr End County Road 9 End Oakbrook Dr Springfield Ct End N Cobus Dr Kerryhaven Dr Ashford Dr End End	0.175 0.083 0.208 0.036 0.088 0.113 0.169 0.171 0.409 0.048 0.027	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	20 20 20 22 22 22 22 20 22 22 22 22 22 2	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0
N Cobus Dr Stow Ct Rogers Rd Spring Ct Valley Spring Ct Valley Spring Ct Canvasback Trce Cobus Creek Dr Newcastle Dr Wexford Dr Washington Sq Westchester Ct Oakwood Pl	Cobus Creek Dr Cobus Lake Dr End Oakbrook Dr Springfield Ct End Woodsprings Dr Cobus Lake Dr Donegal Ln County Road 108 Country Manor Pl Oak Ln	East Cobus Dr End County Road 9 End Oakbrook Dr Springfield Ct End N Cobus Dr Kerryhaven Dr Ashford Dr End End End End	0.175 0.083 0.208 0.036 0.088 0.113 0.169 0.171 0.409 0.048 0.027 0.027	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	20 20 20 22 22 22 22 22 20 22 22 22 22 2	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0
N Cobus Dr Stow Ct Rogers Rd Spring Ct Valley Spring Ct Valley Spring Ct Canvasback Trce Cobus Creek Dr Newcastle Dr Wexford Dr Washington Sq Westchester Ct Oakwood Pl Firwood Ln	Cobus Creek Dr Cobus Lake Dr End Oakbrook Dr Springfield Ct End Woodsprings Dr Cobus Lake Dr Donegal Ln County Road 108 Country Manor Pl Oak Ln Decker Dr	East Cobus Dr End County Road 9 End Oakbrook Dr Springfield Ct End N Cobus Dr Kerryhaven Dr Ashford Dr End End End End Ridge St	0.175 0.083 0.208 0.036 0.088 0.113 0.169 0.171 0.409 0.048 0.027 0.027 0.126 0.086	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	20 20 20 22 22 22 22 22 20 22 22 22 22 2	0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0
N Cobus Dr Stow Ct Rogers Rd Spring Ct Valley Spring Ct Valley Spring Ct Canvasback Trce Cobus Creek Dr Newcastle Dr Wexford Dr Washington Sq Westchester Ct Oakwood Pl Firwood Ln Ridge St	Cobus Creek Dr Cobus Lake Dr End Oakbrook Dr Springfield Ct End Woodsprings Dr Cobus Lake Dr Donegal Ln County Road 108 Country Manor Pl Coak Ln Decker Dr Firwood Ln	East Cobus Dr End County Road 9 End Oakbrook Dr Springfield Ct End N Cobus Dr Kerryhaven Dr Ashford Dr End End End End Ridge St Acorn Ln	0.175 0.083 0.208 0.036 0.088 0.113 0.169 0.171 0.409 0.048 0.027 0.027 0.126 0.086 0.092	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	20 20 20 22 22 22 22 20 22 22	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0
N Cobus Dr Stow Ct Rogers Rd Spring Ct Valley Spring Ct Valley Spring Ct Canvasback Trce Cobus Creek Dr Newcastle Dr Wexford Dr Washington Sq Westchester Ct Oakwood Pl Firwood Ln Ridge St Ronda Dr	Cobus Creek Dr Cobus Lake Dr End Oakbrook Dr Springfield Ct End Woodsprings Dr Cobus Lake Dr Donegal Ln County Road 108 Country Manor Pl Country Manor Pl Oak Ln Decker Dr Firwood Ln Eastwood Dr	East Cobus Dr End County Road 9 End Oakbrook Dr Springfield Ct End N Cobus Dr Kerryhaven Dr Ashford Dr End End End Ridge St Acorn Ln Homeland Rd	0.175 0.083 0.208 0.036 0.088 0.113 0.169 0.171 0.409 0.048 0.027 0.027 0.126 0.086 0.092 0.072	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	20 20 20 22 22 22 22 20 22 22	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
N Cobus Dr Stow Ct Rogers Rd Spring Ct Valley Spring Ct Valley Spring Ct Canvasback Trce Cobus Creek Dr Newcastle Dr Wexford Dr Washington Sq Westchester Ct Oakwood Pl Firwood Ln Ridge St Ronda Dr Eastwood Dr	Cobus Creek Dr Cobus Lake Dr End Oakbrook Dr Springfield Ct End Woodsprings Dr Cobus Lake Dr Donegal Ln County Road 108 Country Manor Pl Country Manor Pl Oak Ln Decker Dr Firwood Ln Eastwood Dr Ronda Dr	East Cobus Dr End County Road 9 End Oakbrook Dr Springfield Ct End N Cobus Dr Kerryhaven Dr Ashford Dr End End End Ridge St Acorn Ln Homeland Rd Ray Ln	0.175 0.083 0.208 0.036 0.088 0.113 0.169 0.171 0.409 0.048 0.027 0.027 0.126 0.086 0.092 0.072 0.13	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	20 20 20 22 22 22 22 20 22 22	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
N Cobus Dr Stow Ct Rogers Rd Spring Ct Valley Spring Ct Valley Spring Ct Canvasback Trce Cobus Creek Dr Newcastle Dr Wexford Dr Washington Sq Westchester Ct Oakwood Pl Firwood Ln Ridge St Ronda Dr Eastwood Dr	Cobus Creek Dr Cobus Lake Dr End Oakbrook Dr Springfield Ct End Woodsprings Dr Cobus Lake Dr Donegal Ln County Road 108 Country Manor Pl Country Manor Pl Oak Ln Decker Dr Firwood Ln Eastwood Dr Ronda Dr	East Cobus Dr End County Road 9 End Oakbrook Dr Springfield Ct End N Cobus Dr Kerryhaven Dr Ashford Dr End End End End Hode End End End End End Ridge St Acorn Ln Homeland Rd Ray Ln Crestwood Dr/Eastwood Dr (cul-de-sac)	0.175 0.083 0.208 0.036 0.088 0.113 0.169 0.171 0.409 0.048 0.027 0.027 0.126 0.086 0.092 0.072 0.13 0.045	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	20 20 20 22 22 22 22 20 22 22	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
N Cobus Dr Stow Ct Rogers Rd Spring Ct Valley Spring Ct Valley Spring Ct Canvasback Tree Cobus Creek Dr Newcastle Dr Wexford Dr Washington Sq Westchester Ct Oakwood Pl Firwood Ln Ridge St Ronda Dr Eastwood Dr Eastwood Dr Bridgewood Dr	Cobus Creek Dr Cobus Lake Dr End Oakbrook Dr Springfield Ct End Woodsprings Dr Cobus Lake Dr Donegal Ln County Road 108 Country Manor Pl Country Manor Pl Oak Ln Decker Dr Firwood Ln Eastwood Dr Ronda Dr Ronda Dr Farmwood Dr	East Cobus Dr End County Road 9 End Oakbrook Dr Springfield Ct End N Cobus Dr Kerryhaven Dr Ashford Dr End End Ridge St Acorn Ln Homeland Rd Ray Ln Crestwood Dr/Eastwood Dr (cul-de-sac)	0.175 0.083 0.208 0.036 0.088 0.113 0.169 0.171 0.409 0.048 0.027 0.027 0.126 0.086 0.092 0.072 0.13 0.045 0.141	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	20 20 20 22 22 22 22 20 22 22	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
N Cobus Dr Stow Ct Rogers Rd Spring Ct Valley Spring Ct Valley Spring Ct Canvasback Tree Cobus Creek Dr Newcastle Dr Wexford Dr Washington Sq Westchester Ct Oakwood Pl Firwood Ln Ridge St Ronda Dr Eastwood Dr Bridgewood Dr Old Orchard Ln	Cobus Creek Dr Cobus Lake Dr End Oakbrook Dr Springfield Ct End Woodsprings Dr Cobus Lake Dr Donegal Ln County Road 108 Country Manor Pl Country Manor Pl Oak Ln Decker Dr Firwood Ln Eastwood Dr Ronda Dr Ronda Dr Farmwood Dr End	East Cobus Dr End County Road 9 End Oakbrook Dr Springfield Ct End N Cobus Dr Kerryhaven Dr Ashford Dr End End End End Acorn Ln Homeland Rd Ray Ln Crestwood Dr/Eastwood Dr (cul-de-sac) Woodside Dr Golf Dr Harter Dr	0.175 0.083 0.208 0.036 0.088 0.113 0.169 0.171 0.409 0.048 0.027 0.027 0.126 0.086 0.092 0.072 0.13 0.045 0.141 0.148	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	20 20 20 22 22 22 22 20 22 22	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
N Cobus Dr Stow Ct Rogers Rd Spring Ct Valley Spring Ct Valley Spring Ct Canvasback Trce Cobus Creek Dr Newcastle Dr Washington Sq Westchester Ct Oakwood Pl Firwood Ln Ridge St Ronda Dr Eastwood Dr Bridgewood Dr Old Orchard Ln Lovejoy Dr Harter Dr	Cobus Creek Dr Cobus Lake Dr End Oakbrook Dr Springfield Ct End Woodsprings Dr Cobus Lake Dr Donegal Ln County Road 108 Country Manor Pl Country Manor Pl Oak Ln Decker Dr Firwood Ln Eastwood Dr Ronda Dr Ronda Dr Farmwood Dr End County Road 4 Packard Dr	East Cobus Dr End County Road 9 End Oakbrook Dr Springfield Ct End N Cobus Dr Kerryhaven Dr Ashford Dr End End End Ridge St Acorn Ln Homeland Rd Ray Ln Crestwood Dr/Eastwood Dr (cul-de-sac) Woodside Dr Golf Dr Harter Dr Lovejoy Dr	0.175 0.083 0.208 0.036 0.088 0.113 0.169 0.171 0.409 0.048 0.027 0.126 0.086 0.092 0.172 0.113 0.045 0.141 0.148 0.258 0.224	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	20 20 20 22 22 22 22 20 22 22	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
N Cobus Dr Stow Ct Rogers Rd Spring Ct Valley Spring Ct Valley Spring Ct Canvasback Trce Cobus Creek Dr Newcastle Dr Washington Sq Westchester Ct Oakwood Pl Firwood Ln Ridge St Ronda Dr Eastwood Dr Bridgewood Dr Old Orchard Ln Lovejoy Dr Harter Dr Packard Dr	Cobus Creek Dr Cobus Lake Dr End Oakbrook Dr Springfield Ct End Woodsprings Dr Cobus Lake Dr Donegal Ln County Road 108 Country Manor Pl Country Manor Pl Oak Ln Decker Dr Firwood Ln Eastwood Dr Ronda Dr Ronda Dr Farmwood Dr End County Road 4 Packard Dr Packard Dr (road stub)	East Cobus Dr End County Road 9 End Oakbrook Dr Springfield Ct End N Cobus Dr Kerryhaven Dr Ashford Dr End End End Ridge St Acorn Ln Homeland Rd Ray Ln Crestwood Dr/Eastwood Dr (cul-de-sac) Woodside Dr Golf Dr Harter Dr Lovejoy Dr Harter Dr	0.175 0.083 0.208 0.036 0.088 0.113 0.169 0.171 0.409 0.048 0.027 0.126 0.086 0.092 0.072 0.13 0.045 0.141 0.148 0.258 0.224 0.018	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	20 20 20 22 22 22 22 22 22 22	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
N Cobus Dr Stow Ct Rogers Rd Spring Ct Valley Spring Ct Valley Spring Ct Canvasback Trce Cobus Creek Dr Newcastle Dr Washington Sq Westchester Ct Oakwood Pl Firwood Ln Ridge St Ronda Dr Eastwood Dr Bridgewood Dr Old Orchard Ln Lovejoy Dr Harter Dr Packard Dr Appaloosa Ct	Cobus Creek Dr Cobus Lake Dr End Oakbrook Dr Springfield Ct End Woodsprings Dr Cobus Lake Dr Donegal Ln County Road 108 Country Manor Pl Country Manor Pl Oak Ln Decker Dr Firwood Ln Eastwood Dr Ronda Dr Ronda Dr Farmwood Dr End County Road 4 Packard Dr	East Cobus Dr End County Road 9 End Oakbrook Dr Springfield Ct End N Cobus Dr Kerryhaven Dr Ashford Dr End End Ridge St Acorn Ln Homeland Rd Ray Ln Crestwood Dr/Eastwood Dr (cul-de-sac) Woodside Dr Golf Dr Harter Dr Lovejoy Dr Harter Dr End	0.175 0.083 0.208 0.036 0.088 0.113 0.169 0.171 0.409 0.048 0.027 0.126 0.086 0.092 0.072 0.13 0.045 0.141 0.148 0.258 0.224 0.018 0.146	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	20 20 20 22 22 22 22 22 22 22	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
N Cobus Dr Stow Ct Rogers Rd Spring Ct Valley Spring Ct Valley Spring Ct Canvasback Trce Cobus Creek Dr Newcastle Dr Washington Sq Westchester Ct Oakwood Pl Firwood Ln Ridge St Ronda Dr Eastwood Dr Bridgewood Dr Old Orchard Ln Lovejoy Dr Harter Dr Packard Dr Appaloosa Ct El Dorado Dr (west leg)	Cobus Creek Dr Cobus Lake Dr End Oakbrook Dr Springfield Ct End Woodsprings Dr Cobus Lake Dr Donegal Ln County Road 108 Country Manor Pl Country Manor Pl Oak Ln Decker Dr Firwood Ln Eastwood Dr Ronda Dr Ronda Dr Ronda Dr Ronda Dr Farmwood Dr End County Road 4 Packard Dr	East Cobus Dr End County Road 9 End Oakbrook Dr Springfield Ct End N Cobus Dr Kerryhaven Dr Ashford Dr End End Ridge St Acorn Ln Homeland Rd Ray Ln Crestwood Dr/Eastwood Dr (cul-de-sac) Woodside Dr Golf Dr Harter Dr Lovejoy Dr Harter Dr End End End End Ridge St Acorn Ln Homeland Rd Ray Ln Crestwood Dr/Eastwood Dr (cul-de-sac) Woodside Dr Golf Dr Harter Dr Lovejoy Dr Harter Dr End	0.175 0.083 0.208 0.036 0.088 0.113 0.169 0.171 0.409 0.048 0.027 0.126 0.086 0.092 0.173 0.045 0.141 0.148 0.258 0.224 0.018 0.146 0.062	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	20 20 20 22 22 22 22 22 22 22	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
N Cobus Dr Stow Ct Rogers Rd Spring Ct Valley Spring Ct Valley Spring Ct Canvasback Trce Cobus Creek Dr Newcastle Dr Waxford Dr Washington Sq Westchester Ct Oakwood Pl Firwood Ln Ridge St Ronda Dr Eastwood Dr Bridgewood Dr Old Orchard Ln Lovejoy Dr Harter Dr Packard Dr Appaloosa Ct El Dorado Dr (west leg) El Dorado Dr (cast leg)	Cobus Creek Dr Cobus Lake Dr End Oakbrook Dr Springfield Ct End Woodsprings Dr Cobus Lake Dr Donegal Ln County Road 108 Country Manor Pl Country Manor Pl Oak Ln Decker Dr Firwood Ln Eastwood Dr Ronda Dr Ronda Dr Ronda Dr Farmwood Dr End County Road 4 Packard Dr Packard Dr (road stub) Horseshoe Ct Weber Ln El Dorado Dr (west leg)	East Cobus Dr End County Road 9 End Oakbrook Dr Springfield Ct End N Cobus Dr Kerryhaven Dr Ashford Dr End End Ridge St Acorn Ln Homeland Rd Ray Ln Crestwood Dr/Eastwood Dr (cul-de-sac) Woodside Dr Golf Dr Harter Dr Lovejoy Dr Harter Dr End End End Clorado Dr	0.175 0.083 0.208 0.036 0.088 0.113 0.169 0.171 0.409 0.048 0.027 0.126 0.086 0.092 0.072 0.13 0.045 0.141 0.148 0.258 0.224 0.018 0.146 0.062 0.244	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	20 20 20 22 22 22 22 22 22 22	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
N Cobus Dr Stow Ct Rogers Rd Spring Ct Valley Spring Ct Valley Spring Ct Canvasback Trce Cobus Creek Dr Newcastle Dr Washington Sq Westchester Ct Oakwood Pl Firwood Ln Ridge St Ronda Dr Eastwood Dr Bridgewood Dr Old Orchard Ln Lovejoy Dr Harter Dr Packard Dr Appaloosa Ct El Dorado Dr (west leg)	Cobus Creek Dr Cobus Lake Dr End Oakbrook Dr Springfield Ct End Woodsprings Dr Cobus Lake Dr Donegal Ln County Road 108 Country Manor Pl Country Manor Pl Oak Ln Decker Dr Firwood Ln Eastwood Dr Ronda Dr Ronda Dr Ronda Dr Ronda Dr Farmwood Dr End County Road 4 Packard Dr	East Cobus Dr End County Road 9 End Oakbrook Dr Springfield Ct End N Cobus Dr Kerryhaven Dr Ashford Dr End End Ridge St Acorn Ln Homeland Rd Ray Ln Crestwood Dr/Eastwood Dr (cul-de-sac) Woodside Dr Golf Dr Harter Dr Lovejoy Dr Harter Dr End End End End Ridge St Acorn Ln Homeland Rd Ray Ln Crestwood Dr/Eastwood Dr (cul-de-sac) Woodside Dr Golf Dr Harter Dr Lovejoy Dr Harter Dr End	0.175 0.083 0.208 0.036 0.088 0.113 0.169 0.171 0.409 0.048 0.027 0.126 0.086 0.092 0.173 0.045 0.141 0.148 0.258 0.224 0.018 0.146 0.062	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	20 20 20 22 22 22 22 22 22 22	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

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River Forest Dr	End	Glenriver Dr	0.209	2	22	0	0
Secor Ct	End	Baugo Xing	0.096	2	22	0	0
Eller Dr	Mast Dr	Byrkit Dr	0.067	2	22	0	0
Patterson Dr	Roadsoft road segment split	Byrkit Dr	0.049	2	22	0	0
Patterson Dr	Mast Dr/Patterson Dr (cul-de-sac)	Roadsoft road segment split	0.016	2	22	0	0
Eller Dr	Byrkit Dr	End	0.019	2	22	0	0
Eller Dr	End	Mast Dr	0.03	2	22	0	0
Mast Dr	Mast Dr/Patterson Dr (cul-de-sac)	Eller Dr	0.111	2	22	0	0
Autumn Ridge Ct	End	Amber Meadows Dr	0.04	2	22	0	0
Azelea Ct	End	County Road 22	0.06	2	22	0	0
Turtle Ct	Quail Ridge Dr	End	0.066	2	22	0	0
			_				
Cobus Ct	Cobus Lake Dr	End	0.097	2	20	0	0
Edwards Rd	Crystal Creek Ln	End	0.012	2	18	0	0
Sunnybrook Ln	End	Spring Mill Dr W	0.035	2	22	0	0
Joshua Dr	Jimmie St	Lyndzi Ln	0.168	2	22	0	0
Roscommon Dr	Ashford Dr	Kerryhaven Dr	0.294	2	22	0	0
Fieldstone Crossing Dr	Blue Heron Dr	End	0.145	2	22	0	0
Omega Ct	Alpha Dr	End	0.062	2	22	0	0
Firwood Ln	End	Decker Dr	0.087	2	0	0	0
Dawson Ct	End	Dawson Dr	0.042	2	22	0	0
			-				
Chadwick Dr	Ryehill Dr	Stonecutter Dr	0.099	2	22	0	0
Chadwick Dr	Dawson Dr	Ryehill Dr	0.121	2	22	0	0
Chadwick Dr	Ash Rd	Dawson Dr	0.093	2	22	0	0
Thoreau Ct	End	Golden Pond Trl	0.055	2	22	0	0
Hemingway Ln	End	Golden Pond Trl	0.069	2	22	0	0
Melville Pass	Twain Dr	Golden Pond Trl	0.085	2	22	0	0
White Oak Ct	End	Irongate Dr	0.011	2	22	0	0
White Pine Ct	End	Pine Bluff Dr	0.054	2	22	0	0
Weathered Pine Ct	Dunhill Crossing	Pine Bluff Dr	0.14	2	22	0	0
Summer Tree Ln	Kauffman St	Summer Field Ln	0.113	2	22	0	0
			-				
Stonegate Cir	Clover Ridge Ct	End	0.065	2	22	0	0
Clover Ridge Ct	End	Stonegate Cir	0.101	2	22	0	0
Doe Meadow Pl	End	Deer Run Trl	0.15	2	22	0	0
Kidder Ct	Dutton Dr	End	0.031	2	22	0	0
Northland Crossing Dr	End	Gardenwood Trl	0.289	2	22	0	0
Woodsedge Dr	Linnwood Dr	End	0.061	2	22	0	0
Linnwood Dr	Linnwood Dr cul-de-sac	Woodsedge Dr	0.064	2	22	0	0
County Road 38	Kercher Rd	County Road 31	0.125	2	24	0	0
Sandy Creek Ct	End	Sandy Creek Dr	0.063	2	22	0	0
Roscommon Dr	Donegal Ln	Ashford Dr	0.102	2	22	0	0
Donegal Ln	Roscommon Dr		0.068	2	22	0	0
		Newcastle Dr	-				
Sandy Creek Dr	Sandy Creek Ct	Stonecutter Dr	0.185	2	22	0	0
Sandy Creek Dr	Sandy Creek Ct	Sandy Creek Dr Roundabout	0.051	2	22	0	0
Ryehill Dr	Chadwick Dr	Dawson Dr	0.162	2	22	0	0
El Dorado Dr (west leg)	El Dorado Dr (east leg)	Weber Ln	0.176	2	22	0	0
Stonecreek Ct	End	Wingham Ct	0.029	2	22	0	0
Fieldstone Crossing Dr	County Road 19	Blue Heron Dr	0.103	2	22	0	0
Woodmere Dr	Fall Creek Dr	Eagle Hill Ln	0.083	2	22	0	0
Fall Creek Dr	Fall Creek Ct	Woodmere Dr	0.06	2	22	0	0
Emerald Chase Ln	Jade Cir	Emerald Chase Ln W	0.072	2	22	0	0
		Opal Ct	0.072	2	22	0	0
Emerald Chase Ln W	County Road 18	'	-				
Emerald Chase Ln	Ruby Ct	Roadsoft road segment split	0.06	2	22	0	0
Emerald Chase Ln	Roadsoft road segment split	Jade Cir	0.047	2	22	0	0
County Road 17 (NB)	County Road 38	State Road 119	0.868	2	48	0	0
County Road 17 (SB)	County Road 38	State Road 119	0.864	2	48	0	0
Northland Crossing Dr	Gardenwood Trl	End	0.101	2	22	0	0
County Road 38	County Road 21	Speed Limit Split	0.447	2	24	0	0
County Road 38	Speed Limit Split	Orchard Dr	0.118	2	24	0	0
Stonecreek Dr	Blue Heron Dr	Stonecreek Ct	0.07	2	22	0	0
Audra Dr	County Road 4	End	0.07	2	20	0	0
Auuld Di	Forest Grove Ave		-				
Donton Ct		Penton Ct	0.021	2	22	0	0
Penton Ct		l -	0.024	2	22	0	0
Kingsland Ct	Kingsland Ct (cul-de-sac)	Forest Grove Ave	-				0
		Forest Grove Ave Migro Ln (cul-de-sac)	0.055	2	20	0	U
Kingsland Ct	Kingsland Ct (cul-de-sac)		-		20 20	0	0
Kingsland Ct Migro Ln	Kingsland Ct (cul-de-sac) Pioneer St	Migro Ln (cul-de-sac)	0.055	2			
Kingsland Ct Migro Ln Dekalb Ln (east leg) Van Pelt Dr	Kingsland Ct (cul-de-sac) Pioneer St Dekalb Ln (west leg) County Road 33	Migro Ln (cul-de-sac) Dekalb Ln End	0.055 0.021 0.233	2 2 2	20	0	0
Kingsland Ct Migro Ln Dekalb Ln (east leg) Van Pelt Dr Arabian Dr	Kingsland Ct (cul-de-sac) Pioneer St Dekalb Ln (west leg) County Road 33 End	Migro Ln (cul-de-sac) Dekalb Ln End Clydesdale Dr	0.055 0.021 0.233 0.13	2 2 2 2	20 24 22	0 0 0	0 0 0
Kingsland Ct Migro Ln Dekalb Ln (east leg) Van Pelt Dr Arabian Dr Acorn Ln	Kingsland Ct (cul-de-sac) Pioneer St Dekalb Ln (west leg) County Road 33 End Decker Dr	Migro Ln (cul-de-sac) Dekalb Ln End Clydesdale Dr Ridge St	0.055 0.021 0.233 0.13 0.052	2 2 2 2 2	20 24 22 0	0 0 0 0	0 0 0 0
Kingsland Ct Migro Ln Dekalb Ln (east leg) Van Pelt Dr Arabian Dr	Kingsland Ct (cul-de-sac) Pioneer St Dekalb Ln (west leg) County Road 33 End	Migro Ln (cul-de-sac) Dekalb Ln End Clydesdale Dr	0.055 0.021 0.233 0.13	2 2 2 2	20 24 22	0 0 0	0 0 0

Amhor Dr	Ash Dd	Ashwood Dr	0.004	1 2	22	0	1 0
Amber Dr Amber Meadows Ct	Ash Rd End	Ashwood Dr	0.094	2	22 22	0	0
Amber Meadows Ct	Amber Meadows Ct (cul-de-sac)	Amber Meadows Ct (cul-de-sac) Birchwood Dr	0.101	2	22	0	0
Amber Meadows Dr	Birchwood Dr	Autumn Ridge Ct	0.101	2	22	0	0
Amber Meadows Dr	Autumn Ridge Ct	County Road 22	0.147	2	22	0	0
Amber Valley Dr	End	Dunhill Crossing	0.084	2	22	0	0
Amber Valley Dr	Dunhill Crossing	INDOT split	0.036	2	22	0	0
Amber Valley Dr	INDOT split	Pine Bluff Dr	0.030	2	22	0	0
Killarney Ln	Roscommon Dr	Ashford Dr	0.078	2	22	0	0
Ashford Dr	Killarney Ln	Wexford Dr	0.070	2	22	0	0
Ashford Dr	Wexford Dr	Kerryhaven Dr	0.185	2	22	0	0
Ashton Ct	End	Crossing Gate Dr	0.032	2	22	0	0
Ashton Ct	Crossing Gate Dr	Ashton Way	0.124	2	22	0	0
Ashton Way	Ridgepoint Ct/Stonegate Cir	Raber Ct	0.031	2	22	0	0
Ashton Way	Raber Ct	Stonegate (EB)	0.041	2	22	0	0
Ashton Way	Stonegate (EB)	Stonegate (VB)	0.006	2	22	0	0
Ashton Way	Stonegate (UB)	Stonegate (Wb)	0.062	2	22	0	0
Ashton Way		Ashton Ct	0.002	2	22	0	0
· ·	Stonegate Ct			2	22	0	0
Ashton Way	Ashton Ct	End	0.05				
Ashwood Dr	Oakcrest Dr	Lincoln Dr	0.03	2	22	0	0
Ashwood Dr	Lincoln Dr	Amber Dr	0.026	2	22	0	0
Ashwood Dr	Amber Dr	Stardust Ct	0.08	2	22	0	0
Ashwood Dr	Stardust Ct	Kennedy Dr	0.11	2	22	0	0
Ashwood Dr	Kennedy Dr	Surface type split	0.127	2	22	0	0
Ashwood Dr	Surface type split	Springfield Ct	0.024	2	22	0	0
Ashwood Dr	Springfield Ct	Oakbrook Dr	0.077	2	22	0	0
Bainbridge Dr	Hampton Rd	Bannock Cir	0.07	2	22	0	0
Bainbridge Dr	Bannock Cir	Arrowwood Dr	0.03	2	22	0	0
Bainbridge Dr	Arrowwood Dr	Old Mill Dr	0.037	2	22	0	0
Bainbridge Dr	Old Mill Dr	County Road 15	0.104	2	22	0	0
Baugo Xing	End	Secor Ct	0.095	2	22	0	0
Baugo Xing	Secor Ct	County Road 118	0.159	2	22	0	0
Benham Ave	Hilly Ln	Lombard Ave	0.029	2	22	0	0
Benham Ave	Lombard Ave	W Mishawaka Rd	0.285	2	22	0	0
Blue Heron Dr	Fieldstone Crossing Dr	Meridian Ct	0.069	2	22	0	0
Blue Heron Dr	Meridian Ct	Hillside Dr	0.051	2	22	0	0
Blue Heron Dr	Hillside Dr	Stonecreek Dr	0.114	2	22	0	0
Blue Heron Dr	Stonecreek Dr	End	0.098	2	22	0	0
Broadwood Dr	Kershner Ln	Juanita Dr	0.114	2	20	0	0
Broadwood Dr	Juanita Dr	Homeland Rd	0.184	2	20	0	0
Bruce Dr	Farmwood Dr	Sunwood Dr	0.072	2	20	0	0
Bruce Dr	Sunwood Dr	Woodside Dr	0.068	2	20	0	0
Buddy St	County Road 11	Conrad St	0.082	2	18	0	0
Buddy St	Conrad St	End	0.167	2	18	0	0
Byrd Ave	Santa Anita St	Quebec St	0.054	2	16	0	0
Byrd Ave	Quebec St	Yukon St	0.058	2	16	0	0
Byrd Ave	Yukon St	Ellis St	0.068	2	16	0	0
Byrd Ave	Ellis St	County Road 13	0.064	2	16	0	0
Byrkit Dr	Ash Rd	Patterson Dr	0.111	2	22	0	0
Byrkit Dr	Patterson Dr	Eller Dr	0.111	2	22	0	0
Century Dr	End	Blair Ct	0.034	2	18	0	0
Century Dr	Blair Ct	Homeland Rd	0.075	2	18	0	0
Charla Ln	North Fork Ln	Andy Dr	0.084	2	22	0	0
Charla Ln	Andy Dr	End	0.112	2	22	0	0
Cherry Ln	County Road 105	Sunflower Ln	0.077	2	18	0	0
Cherry Ln	Sunflower Ln	Terrace Ln	0.043	2	18	0	0
Chestnut Ln	Osage Dr	End	0.047	2	20	0	0
Chestnut Ln	Osage Dr	Sequoia Dr	0.104	2	20	0	0
Chestnut Ln	Sequoia Dr	End	0.062	2	20	0	0
Clydesdale Dr	Horseshoe Ct	Arabian Dr	0.002	2	22	0	0
Clydesdale Dr	Arabian Dr	Horseshoe Ct	0.157	2	22	0	0
E Cobus Dr	Cobus Lake Dr	Tulain St	0.137	2	20	0	0
E Cobus Dr	Tulain St	N Cobus Dr	0.134	2	20	0	0
				2		0	0
Cobus Lake Dr	Cobus Creek Dr	Cobus Ct	0.097		20		
Cobus Lake Dr	Cobus Ct	E Cobus Dr	0.085	2	20	0	0
Cobus Lake Dr	E Cobus Dr	Stow Ct	0.055	2	20	0	0
	Stow Ct	County Road 1	0.046	2	20	0	0
Cobus Lake Dr	Inam D.:	1A/h:4c 0 - 1: 0:	0 000	_			
Country Manor Pl Country Manor Pl	Irongate Dr White Oak Ct	White Oak Ct Westchester Ct	0.062 0.145	2	20 20	0	0

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Country Manor Pl	Washington Sq	County Road 108	0.072	2	20	0	0
County Road 1	County Road 12	Sonny St	0.255	2	24	0	0
County Road 1	Sonny St	South Meadowbrook Ln	0.038	2	24	0	0
County Road 1	South Meadowbrook Ln	North Meadowbrook Ln	0.084	2	24	0	0
County Road 1	North Meadowbrook Ln	Susan St	0.079	2	24	0	0
County Road 1	Susan St	Lantern Ln (EB)	0.008	2	24	0	0
County Road 1	Lantern Ln (EB)	Lantern Ln (WB)	0.01	2	24	0	0
County Road 1	Lantern Ln (WB)	County Road 108	0.029	2	24	0	0
County Road 3	Elkhart City limits	Phillips St (W)	0.119	2	24	0	0
County Road 3	Phillips St (W)	Phillips St (E)	0.011	2	24	0	0
County Road 3	Phillips St (E)	County Road 12	0.069	2	24	0	0
County Road 3	County Road 28	Hillary Ln	0.625	2	22	2	2
County Road 3	Hillary Ln	County Road 26	0.449	2	22	2	2
County Road 4	County Road 13	Clearwater Ct	0.073	2	24	0	0
County Road 4	Clearwater Ct	Lake Shore Dr	0.874	2	24	0	0
County Road 4	Lake Shore Dr	Decker Dr	0.251	2	24	0	0
County Road 4	Decker Dr	County Road 15	0.307	2	24	0	0
County Road 4	County Road 11	Brighton Dr	0.177	2	24	0	0
County Road 4	Brighton Dr	County Road 13	0.575	2	24	0	0
County Road 7	County Road 40	County Road 38	1	2	22	2	2
County Road 12	County Road 3 (S)	Heritage Rd	0.093	2	22	2	2
County Road 12	Heritage Rd	County Road 3 (N)	0.169	2	22	2	2
County Road 12	County Road 101	San Jose Blvd (SB)	0.153	2	22	2	2
County Road 12	San Jose Blvd (SB)	San Jose Blvd (NB)	0.007	2	22	2	2
County Road 12	San Jose Blvd (NB)	Zimmerle Rd	0.097	2	22	2	2
County Road 12	Zimmerle Rd	Eisenhower Dr	0.052	2	22	2	2
County Road 12	Eisenhower Dr	Harmony Ln	0.089	2	22	2	2
County Road 12	Harmony Ln	County Road 3 (S)	0.35	2	22	2	2
County Road 12	County Road 1 (SB)	County Road 101	0.245	2	22	2	2
County Road 17	CR 4/Walorski Pkwy	County Road 4 Extension	0.34	4	48	0	0
County Road 17	County Road 4 Extension	State Line Rd	1.44	4	48	0	0
County Road 18	County Road 23 (S)	Melissa Dr	0.023	2	24	2	2
County Road 18	Melissa Dr	Jefferson Ridge Dr	0.096	2	24	2	2
County Road 18	Jefferson Ridge Dr	Jemian Dr	0.233	2	24	2	2
County Road 18	Jemian Dr	Cobblestone Rd	0.067	2	24	2	2
County Road 18	Cobblestone Rd	Olde Towne Dr	0.165	2	24	2	2
County Road 18	Olde Towne Dr	State Road 15	0.103	2	24	2	2
County Road 18	County Road 21	Emerald Chase Ln W	0.176	2	24	2	2
County Road 18	Emerald Chase Ln W	Woodmere Dr	0.046	2	24	2	2
County Road 18	Woodmere Dr	Emerald Chase Ln	0.197	2	24	2	2
County Road 18	Emerald Chase Ln	Heritage Way (north leg)	0.136	2	24	2	2
County Road 18	Heritage Way (north leg)	El Dorado Dr	0.132	2	24	2	2
County Road 18	El Dorado Dr	Heritage Way (south leg)	0.077	2	24	2	2
County Road 18	Heritage Way (south leg)	Hidden Meadow Trl	0.299	2	24	2	2
County Road 18	Hidden Meadow Trl	Prarie Ridge Rd	0.139	2	24	2	2
County Road 18	Prarie Ridge Rd	Steiner Dr	0.183	2	24	2	2
County Road 18	Steiner Dr	County Road 23 (N)	0.103	2	24	2	2
County Road 18	County Road 19	Boulder Ct	0.127	2	24	2	2
County Road 18	Boulder Ct	County Road 21	0.122	2	24	2	2
County Road 19	US Highway 20	Rosedale Rd	0.15	2	22	2	2
County Road 19	Rosedale Rd	Roxboro Rd	0.314	2	22	2	2
County Road 19	Roxboro Rd	County Road 14	0.542	2	22	2	2
County Road 19	County Road 26	County Road 20 (W)	1.006	2	22	2	2
County Road 20	County Road 117	County Road 19	1.008	2	22	2	2
County Road 20	County Road 17 (NB)	Speed Limit Split	0.22	2	24	0	0
County Road 20	Speed Limit Split	County Road 117	0.085	2	24	0	0
County Road 21	County Road 18	Amethyst Dr	0.276	2	24	0	0
County Road 21	Amethyst Dr	US Highway 20	0.228	2	24	0	0
County Road 23 (west leg)	County Road 2	County Road 23 (east leg)	0.054	2	24	0	0
County Road 23	County Road 23 (split)	Church Rd	0.162	2	24	0	0
	Church Rd	Sunset Blvd	0.15	2	24	0	0
County Road 23		Country Orosals Ot	0.17	2	22	2	2
County Road 23 County Road 23	County Road 20	Country Creek Ct					
•	County Road 20 Country Creek Ct	Detweiler Dr	0.251	2	22	2	2
County Road 23	-	•			22 22	2 2	2
County Road 23 County Road 23	Country Creek Ct	Detweiler Dr	0.251	2	†		
County Road 23 County Road 23 County Road 23	Country Creek Ct Detweiler Dr	Detweiler Dr County Road 18	0.251 0.086	2 2	22	2	2
County Road 23 County Road 23 County Road 23 County Road 28 County Road 28 County Road 28	Country Creek Ct Detweiler Dr County Road 22 Institional Dr	Detweiler Dr County Road 18 Institional Dr	0.251 0.086 0.602	2 2 2	22 22	2 2	2 2
County Road 23 County Road 23 County Road 23 County Road 28	Country Creek Ct Detweiler Dr County Road 22	Detweiler Dr County Road 18 Institional Dr County Road 127 (N)	0.251 0.086 0.602 0.243	2 2 2 2	22 22 22	2 2 2	2 2 2
County Road 23 County Road 23 County Road 23 County Road 28 County Road 28 County Road 28 County Road 28	Country Creek Ct Detweiler Dr County Road 22 Institional Dr Zollinger Rd	Detweiler Dr County Road 18 Institional Dr County Road 127 (N) County Road 22	0.251 0.086 0.602 0.243 0.623	2 2 2 2 2	22 22 22 22 22	2 2 2 2	2 2 2 2

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County Road 35	Middlebury Town Limits	Claire Ln	0.042	2	24	0	0
County Road 35	Claire Ln	Middlebury Town Limits	0.042	2	24	0	0
County Road 35	Middlebury Town Limits	US Highway 20	0.145	2	24	0	0
County Road 38	County Road 31	County Road 33	0.999	2	24	8	8
County Road 38	Orchard Dr	Goshen City limits	0.103	2	24	0	0
County Road 38	County Road 19	County Road 21	0.992	2	24	0	0
County Road 38	County Road 17 (NB)	County Road 19	1.003	2	24	0	0
County Road 45	Clayton St	Newman St	0.052	2	22	0	0
County Road 45	Newman St	Martindale Rd	0.044	2	22	0	0
County Road 45	Martindale Rd	US Highway 20 (WB)	0.06	2	22	0	0
County Road 45	US Highway 20 (WB)	US Highway 20 (EB)	0.01	2	22	0	0
County Road 45	US Highway 20 (EB)	Florence Ave	0.711	2	22	0	0
County Road 45	Florence Ave	Himebaugh Ave	0.103	2	22	0	0
County Road 45	Himebaugh Ave	Sunnyside Ave	0.108	2	22	0	0
County Road 45	Sunnyside Ave	Cole St	0.141	2	22	0	0
County Road 45	Cole St	John St	0.083	2	22	0	0
County Road 45	John St	Mary St	0.071	2	22	0	0
County Road 45	Mary St	County Road 13	0.123	2	22	0	0
County Road 127	County Road 28	Institional Dr	0.128	2	22	2	2
County Road 127	Institional Dr	County Road 22	0.695	2	22	2	2
County Road 138	County Road 9	County Road 11	0.997	2	20	0	0
County Road 17 (SB)	Missouri Avenue	County Road 45	0.04	2	48	0	0
County Road 17 (SB)	County Road 45	Speed Limit Split	0.193	2	48	8	3
County Road 17 (SB)	Speed Limit Split	County Road 26	0.428	2	48	8	3
County Road 17 (SB)	County Road 26	County Road 20	1.016	2	26	8	3
County Road 17 (NB)	Missouri Avenue	County Road 45	0.039	2	48	0	0
County Road 17 (NB)	County Road 45	Speed Limit Split	0.148	2	48	8	3
County Road 17 (NB)	Speed Limit Split	County Road 26	0.475	2	48	8	3
County Road 17 (NB)	County Road 26	County Road 20	1.02	2	26	8	3
Old US 20	Riverview Manor Dr	Elkhart City limits	0.064	2	24	0	0
Crestwood Dr	Juanita Dr	Delany Ln	0.063	2	28	0	0
Crestwood Dr	Delany Ln	Crestwood Dr/Eastwood Dr (cul-de-sac)	0.063	2	28	0	0
Crimson Ave	Tropicana Ave	New Dawn Ave	0.082	2	22	0	0
Crimson Ave	New Dawn Ave	Honeysuckle Ave	0.076	2	22	0	0
Danielson Dr	Riverdale Dr	Oak Manor Pl	0.238	2	18	0	0
Dawson Dr	Chadwick Dr	Dawson Ct	0.077	2	22	0	0
Dawson Dr	Dawson Ct	Ryehill Dr	0.092	2	22	0	0
Dawson Dr	Ryehill Dr	Russell Pointe Dr	0.077	2	22	0	0
Decker Dr	Lake Shore Dr	Firwood Ln	0.047	2	16	0	0
Decker Dr	Firwood Ln	Acorn Ln	0.052	2	16	0	0
Decker Dr	Acorn Ln	County Road 4	0.123	2	16	0	0
Delany Ln	Crestwood Dr	INDOT split	0.08	2	28	0	0
Dunhill Crossing	County Road 100	Long Grove Dr	0.048	2	22	0	0
Dunhill Crossing	Long Grove Dr	Weathered Pine Ct	0.091	2	22	0	0
Dunhill Crossing	Weathered Pine Ct	Arbor Dale Ct	0.081	2	22	0	0
Dunhill Crossing	Arbor Dale Ct	Brook Valley Ct	0.082	2	22	0	0
Dunhill Crossing	Brook Valley Ct	West Port Ln	0.081	2	22	0	0
Dunhill Crossing	West Port Ln	Amber Valley Dr	0.079	2	22	0	0
Dutton Dr	North Shore Dr	Kidder Ct	0.075	2	22	0	0
Dutton Dr	Kidder Ct	End	0.1	2	22	0	0
El Dorado Dr	El Dorado Dr (split)	County Road 18	0.237	2	22	0	0
Ella Dr	Riverdale Dr	Kathryn Dr	0.084	2	18	0	0
Ella Dr	Kathryn Dr	Oak Manor Pl	0.075	2	18	0	0
Golden Pond Trl	County Road 3	Thoreau Ct	0.085	2	22	0	0
0 11 0 171	County Road 3					. —	1
Golden Pond Trl	Thoreau Ct	Hemingway Ln	0.083	2	22	0	0
Golden Pond Trl Golden Pond Trl	·			2	22 22	0	0
	Thoreau Ct	Hemingway Ln	0.083				
Golden Pond Trl	Thoreau Ct Hemingway Ln	Hemingway Ln Melville Pass	0.083 0.118	2	22	0	0
Golden Pond Trl Golden Pond Trl	Thoreau Ct Hemingway Ln Melville Pass	Hemingway Ln Melville Pass End	0.083 0.118 0.081	2	22 22	0	0
Golden Pond Trl Golden Pond Trl Greenleaf Blvd	Thoreau Ct Hemingway Ln Melville Pass Greenleaf Blvd	Hemingway Ln Melville Pass End Holly Dr	0.083 0.118 0.081 0.205	2 2 2	22 22 20	0 0 0	0 0 0
Golden Pond Trl Golden Pond Trl Greenleaf Blvd Greenleaf Blvd	Thoreau Ct Hemingway Ln Melville Pass Greenleaf Blvd Holly Dr	Hemingway Ln Melville Pass End Holly Dr Dawn Dr	0.083 0.118 0.081 0.205 0.277	2 2 2 2	22 22 20 20	0 0 0 0	0 0 0
Golden Pond Trl Golden Pond Trl Greenleaf Blvd Greenleaf Blvd Greenleaf Blvd	Thoreau Ct Hemingway Ln Melville Pass Greenleaf Blvd Holly Dr Dawn Dr	Hemingway Ln Melville Pass End Holly Dr Dawn Dr Shorelane W	0.083 0.118 0.081 0.205 0.277 0.039	2 2 2 2 2	22 22 20 20 20 20	0 0 0 0	0 0 0 0
Golden Pond Trl Golden Pond Trl Greenleaf Blvd Greenleaf Blvd Greenleaf Blvd Greenleaf Blvd	Thoreau Ct Hemingway Ln Melville Pass Greenleaf Blvd Holly Dr Dawn Dr Shorelane W	Hemingway Ln Melville Pass End Holly Dr Dawn Dr Shorelane W Sundale Pl	0.083 0.118 0.081 0.205 0.277 0.039 0.105	2 2 2 2 2 2 2	22 22 20 20 20 20 20	0 0 0 0 0	0 0 0 0 0
Golden Pond Trl Golden Pond Trl Greenleaf Blvd Greenleaf Blvd Greenleaf Blvd Greenleaf Blvd Greenleaf Blvd Greenleaf Blvd	Thoreau Ct Hemingway Ln Melville Pass Greenleaf Blvd Holly Dr Dawn Dr Shorelane W Sundale Pl	Hemingway Ln Melville Pass End Holly Dr Dawn Dr Shorelane W Sundale Pl Shorelane E	0.083 0.118 0.081 0.205 0.277 0.039 0.105 0.071	2 2 2 2 2 2 2 2	22 22 20 20 20 20 20 20	0 0 0 0 0 0	0 0 0 0 0 0
Golden Pond Trl Golden Pond Trl Greenleaf Blvd	Thoreau Ct Hemingway Ln Melville Pass Greenleaf Blvd Holly Dr Dawn Dr Shorelane W Sundale Pl Shorelane E	Hemingway Ln Melville Pass End Holly Dr Dawn Dr Shorelane W Sundale Pl Shorelane E Holiday Dr	0.083 0.118 0.081 0.205 0.277 0.039 0.105 0.071 0.172	2 2 2 2 2 2 2 2 2 2	22 22 20 20 20 20 20 20 20	0 0 0 0 0 0 0	0 0 0 0 0 0 0
Golden Pond Trl Golden Pond Trl Greenleaf Blvd	Thoreau Ct Hemingway Ln Melville Pass Greenleaf Blvd Holly Dr Dawn Dr Shorelane W Sundale Pl Shorelane E Holiday Dr	Hemingway Ln Melville Pass End Holly Dr Dawn Dr Shorelane W Sundale Pl Shorelane E Holiday Dr Rock Ct	0.083 0.118 0.081 0.205 0.277 0.039 0.105 0.071 0.172 0.079	2 2 2 2 2 2 2 2 2 2 2 2	22 22 20 20 20 20 20 20 20 20 20	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0
Golden Pond Trl Golden Pond Trl Greenleaf Blvd	Thoreau Ct Hemingway Ln Melville Pass Greenleaf Blvd Holly Dr Dawn Dr Shorelane W Sundale Pl Shorelane E Holiday Dr Rock Ct Princess Ave	Hemingway Ln Melville Pass End Holly Dr Dawn Dr Shorelane W Sundale Pl Shorelane E Holiday Dr Rock Ct Princess Ave	0.083 0.118 0.081 0.205 0.277 0.039 0.105 0.071 0.172 0.079 0.147	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	22 22 20 20 20 20 20 20 20 20 20 20 20	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0
Golden Pond Trl Golden Pond Trl Greenleaf Blvd	Thoreau Ct Hemingway Ln Melville Pass Greenleaf Blvd Holly Dr Dawn Dr Shorelane W Sundale Pl Shorelane E Holiday Dr Rock Ct	Hemingway Ln Metville Pass End Holly Dr Dawn Dr Shorelane W Sundale Pl Shorelane E Holiday Dr Rock Ct Princess Ave Selby Dr	0.083 0.118 0.081 0.205 0.277 0.039 0.105 0.071 0.172 0.079 0.147 0.116	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	22 20 20 20 20 20 20 20 20 20 20 20 20	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0
Golden Pond Trl Golden Pond Trl Greenleaf Blvd	Thoreau Ct Hemingway Ln Melville Pass Greenleaf Blvd Holly Dr Dawn Dr Shorelane W Sundale Pl Shorelane E Holiday Dr Rock Ct Princess Ave	Hemingway Ln Metville Pass End Holly Dr Dawn Dr Shorelane W Sundale Pl Shorelane E Holiday Dr Rock Ct Princess Ave Selby Dr Streeter Ln	0.083 0.118 0.081 0.205 0.277 0.039 0.105 0.071 0.172 0.079 0.147 0.116 0.033	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	22 22 20 20 20 20 20 20 20 20 20 20 20 2	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0

Hillside Dr	Deer Path Ct	Eagle Hill Ln/Fall Creek Dr	0.072	2	22	0	0
Hilly Ln	Valley View Dr	Hilly Ln cul-de-sac	0.077	2	20	0	0
Homeland Rd	Elkhart City limits	Century Dr	0.073	2	18	0	0
Homeland Rd	Century Dr	Eastwood Dr	0.105	2	18	0	0
Homeland Rd	Eastwood Dr	Ronda Dr	0.139	2	18	0	0
Homeland Rd	Ronda Dr	Montrose Park Dr S	0.058	2	22	0	0
Homeland Rd	Montrose Park Dr S	<u> </u>	0.038	2	22	0	0
		Delany Ln	1				
Homeland Rd	Delany Ln	Broadwood Dr	0.069	2	22	0	0
Homeland Rd	Broadwood Dr	End	0.033	2	22	0	0
Honeysuckle Ave	Tropicana Ave	Crimson Ave	0.265	2	22	0	0
Horseshoe Ct	County Road 18	Clydesdale Dr	0.17	2	22	0	0
Horseshoe Ct	Clydesdale Dr	Appaloosa Ct	0.134	2	22	0	0
Horseshoe Ct	Appaloosa Ct	Clydesdale Dr	0.076	2	22	0	0
Horseshoe Ct	Clydesdale Dr	County Road 117	0.084	2	22	0	0
Hyde Park Dr	Hanover Dr	Stanford Dr	0.106	2	20	0	0
Hyde Park Dr	Stanford Dr	Stanford Dr	0.187	2	20	0	0
Hyde Park Dr	Stanford Dr	End	0.034	2	20	0	0
E Indiana Lake Rd	County Road 2	Church Rd	0.331	2	16	0	0
			1				
E Indiana Lake Rd	Church Rd	End	0.133	2	16	0	0
Irongate Dr	Irongate Dr (cul-de-sac west leg)	White Oak Ct	0.033	2	22	0	0
Irongate Dr	Irongate Dr (cul-de-sac)	Irongate Dr (cul-de-sac)	0.016	2	22	0	0
Irongate Dr	Irongate Dr (cul-de-sac east leg)	Country Manor Pl	0.069	2	22	0	0
Irongate Dr	Country Manor Pl	County Road 101	0.073	2	22	0	0
Jayne Dr	Oak Grove Dr	Oak Leaf Pl	0.125	2	18	0	0
Juanita Dr	Crestwood Dr	Broadwood Dr	0.147	2	28	0	0
Kennedy Dr	Oakcrest Dr	Lincoln Dr	0.083	2	22	0	0
Kennedy Dr	Lincoln Dr	Ashwood Dr	0.08	2	22	0	0
Kerryhaven Dr	County Road 108	Ashford Dr	0.048	2	22	0	0
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Kerryhaven Dr	Ashford Dr	Roscommon Dr	0.082		22		0
Kerryhaven Dr	Roscommon Dr	Newcastle Dr	0.087	2	22	0	0
Kerryhaven Dr	Newcastle Dr	End	0.025	2	22	0	0
Private Rd	End	Laverne Ct	0.015	2	22	0	0
Laverne Ct (EB/WB)	Private Road	Maplewood Dr	0.031	2	22	0	0
Jimmie St	Joshua Dr	Lyndzi Lane	0.049	2	22	0	0
Lyndzi Ln	Jimmie St	Joshua Dr	0.209	2	22	0	0
Maplewood Dr	Lake Dr	Laverne Ct (EB/WB)	0.058	2	18	0	0
Maplewood Dr	Laverne Ct (EB/WB)	Laverne Ct (NB/SB)	0.03	2	18	0	0
Maplewood Dr	Laverne Ct (NB/SB)	Private Road	0.278	2	18	0	0
Maplewood Dr	Private Road	End	0.05	2	18	0	0
•			1	2	20	0	0
Miner Rd	County Road 9	End	0.329				
New Dawn Ave	End	Crimson Ave	0.126	2	22	0	0
Northrop Dr (west leg)	Northrop Dr	Northrop Dr (east leg)	0.023	2	20	0	0
Northrop Dr	Northrop Dr (cul-de-sac north leg)	Northrop Dr (cul-de-sac south leg)	0.011	2	20	0	0
Northrop Dr	Northrop Dr (cul-de-sac south leg)	Pioneer St	0.078	2	20	0	0
Northrop Dr	Pioneer St	Northrop Dr (split)	0.056	2	20	0	0
Northrop Dr	Northrop Dr (north leg)	DeKalb Ln	0.011	2	20	0	0
Oak Grove Dr	Riverdale Dr	Kathryn Dr	0.079	2	18	0	0
Oak Grove Dr	Kathryn Dr	Oak Manor Pl	0.076	2	18	0	0
Oak Grove Dr	Oak Manor Pl	Jayne Dr	0.039	2	18	0	0
Oak Manor Pl	Rio Lindo Dr	Oak Grove Dr	0.039	2	18	0	0
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Oak Manor Pl	Oak Grove Dr	Oak Leaf Pl	0.129	2	18	0	0
Oak Manor Pl	Oak Leaf Pl	Oakwood Pl	0.075	2	18	0	0
0-1-14 21				2	18	0	0
Oak Manor Pl	Oakwood Pl	Ella Dr	0.016				0
Oak Manor Pl Oak Manor Pl	Oakwood Pl Ella Dr	Ella Dr Danielson Dr	0.016 0.065	2	18	0	U
			1			0	0
Oak Manor Pl	Ella Dr	Danielson Dr	0.065	2	18		1
Oak Manor Pl Oakbrook Dr	Ella Dr Ash Rd	Danielson Dr Spring Ct	0.065 0.072	2	18 20	0	0
Oak Manor Pl Oakbrook Dr Oakbrook Dr Oakbrook Dr	Ella Dr Ash Rd Spring Ct Valley Spring Ct	Danielson Dr Spring Ct Valley Spring Ct Surface type split	0.065 0.072 0.085 0.036	2 2 2 2	18 20 20 20 20	0 0 0	0 0 0
Oak Manor Pl Oakbrook Dr Oakbrook Dr Oakbrook Dr Oakbrook Dr	Ella Dr Ash Rd Spring Ct Valley Spring Ct Surface type split	Danielson Dr Spring Ct Valley Spring Ct Surface type split Ashwood Dr	0.065 0.072 0.085 0.036 0.236	2 2 2 2 2	18 20 20 20 20 22	0 0 0 0	0 0 0 0
Oak Manor Pl Oakbrook Dr Oakbrook Dr Oakbrook Dr Oakbrook Dr Oakbrook Dr	Ella Dr Ash Rd Spring Ct Valley Spring Ct Surface type split Ashwood Dr	Danielson Dr Spring Ct Valley Spring Ct Surface type split Ashwood Dr End	0.065 0.072 0.085 0.036 0.236 0.032	2 2 2 2 2 2	18 20 20 20 20 22 22	0 0 0 0	0 0 0 0 0
Oak Manor Pl Oakbrook Dr Oakbrook Dr Oakbrook Dr Oakbrook Dr Oakbrook Dr Oakbrook Dr Oakleaf Dr S	Ella Dr Ash Rd Spring Ct Valley Spring Ct Surface type split Ashwood Dr Spring Mill Dr W	Danielson Dr Spring Ct Valley Spring Ct Surface type split Ashwood Dr End Woodvale Dr	0.065 0.072 0.085 0.036 0.236 0.032 0.084	2 2 2 2 2 2 2 2	18 20 20 20 20 22 22 22 22	0 0 0 0 0	0 0 0 0 0
Oak Manor Pl Oakbrook Dr Oakbrook Dr Oakbrook Dr Oakbrook Dr Oakbrook Dr Oakbrook Dr Oakleaf Dr S Oakleaf Dr S	Ella Dr Ash Rd Spring Ct Valley Spring Ct Surface type split Ashwood Dr Spring Mill Dr W Woodvale Dr	Danielson Dr Spring Ct Valley Spring Ct Surface type split Ashwood Dr End Woodvale Dr Montrose Park Dr	0.065 0.072 0.085 0.036 0.236 0.032 0.084 0.037	2 2 2 2 2 2 2 2 2	18 20 20 20 22 22 22 22 22	0 0 0 0 0 0	0 0 0 0 0 0
Oak Manor Pl Oakbrook Dr Oakbrook Dr Oakbrook Dr Oakbrook Dr Oakbrook Dr Oakbrook Dr Oakleaf Dr S Oakleaf Dr S Oakleaf Dr S	Ella Dr Ash Rd Spring Ct Valley Spring Ct Surface type split Ashwood Dr Spring Mill Dr W Woodvale Dr Montrose Park Dr	Danielson Dr Spring Ct Valley Spring Ct Surface type split Ashwood Dr End Woodvale Dr Montrose Park Dr Sweetspire Trl	0.065 0.072 0.085 0.036 0.236 0.032 0.084 0.037	2 2 2 2 2 2 2 2 2 2 2 2	18 20 20 20 22 22 22 22 22 22 22	0 0 0 0 0 0 0	0 0 0 0 0 0 0
Oak Manor Pl Oakbrook Dr Oakbrook Dr Oakbrook Dr Oakbrook Dr Oakbrook Dr Oakbrook Dr Oakleaf Dr S Oakleaf Dr S	Ella Dr Ash Rd Spring Ct Valley Spring Ct Surface type split Ashwood Dr Spring Mill Dr W Woodvale Dr	Danielson Dr Spring Ct Valley Spring Ct Surface type split Ashwood Dr End Woodvale Dr Montrose Park Dr	0.065 0.072 0.085 0.036 0.236 0.032 0.084 0.037	2 2 2 2 2 2 2 2 2	18 20 20 20 22 22 22 22 22	0 0 0 0 0 0	0 0 0 0 0 0
Oak Manor Pl Oakbrook Dr Oakbrook Dr Oakbrook Dr Oakbrook Dr Oakbrook Dr Oakbrook Dr Oakleaf Dr S Oakleaf Dr S Oakleaf Dr S	Ella Dr Ash Rd Spring Ct Valley Spring Ct Surface type split Ashwood Dr Spring Mill Dr W Woodvale Dr Montrose Park Dr	Danielson Dr Spring Ct Valley Spring Ct Surface type split Ashwood Dr End Woodvale Dr Montrose Park Dr Sweetspire Trl	0.065 0.072 0.085 0.036 0.236 0.032 0.084 0.037	2 2 2 2 2 2 2 2 2 2 2 2	18 20 20 20 22 22 22 22 22 22 22	0 0 0 0 0 0 0	0 0 0 0 0 0 0
Oak Manor Pl Oakbrook Dr Oakbrook Dr Oakbrook Dr Oakbrook Dr Oakbrook Dr Oakleaf Dr S Oakleaf Dr S Oakleaf Dr S Oakleaf Dr S	Ella Dr Ash Rd Spring Ct Valley Spring Ct Surface type split Ashwood Dr Spring Mill Dr W Woodvale Dr Montrose Park Dr End	Danielson Dr Spring Ct Valley Spring Ct Surface type split Ashwood Dr End Woodvale Dr Montrose Park Dr Sweetspire Trl Spring Mill Dr W	0.065 0.072 0.085 0.036 0.236 0.032 0.084 0.037 0.044	2 2 2 2 2 2 2 2 2 2 2 2 2 2	18 20 20 20 22 22 22 22 22 22 22 22 22 22	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0
Oak Manor Pl Oakbrook Dr Oakbrook Dr Oakbrook Dr Oakbrook Dr Oakbrook Dr Oakleaf Dr S Oakleaf Dr S Oakleaf Dr S Oakleaf Dr N Oakleaf Dr N	Ella Dr Ash Rd Spring Ct Valley Spring Ct Surface type split Ashwood Dr Spring Mill Dr W Woodvale Dr Montrose Park Dr End Spring Mill Dr W	Danielson Dr Spring Ct Valley Spring Ct Surface type split Ashwood Dr End Woodvale Dr Montrose Park Dr Sweetspire Trl Spring Mill Dr W Woodvale Dr	0.065 0.072 0.085 0.036 0.236 0.032 0.084 0.037 0.044 0.04	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	18 20 20 20 22 22 22 22 22 22 22 22 22 22	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0
Oak Manor Pl Oakbrook Dr Oakbrook Dr Oakbrook Dr Oakbrook Dr Oakbrook Dr Oakleaf Dr S Oakleaf Dr S Oakleaf Dr S Oakleaf Dr N	Ella Dr Ash Rd Spring Ct Valley Spring Ct Surface type split Ashwood Dr Spring Mill Dr W Woodvale Dr Montrose Park Dr End Spring Mill Dr W Woodvale Dr County Road 18	Danielson Dr Spring Ct Valley Spring Ct Surface type split Ashwood Dr End Woodvale Dr Montrose Park Dr Sweetspire Trl Spring Mill Dr W Woodvale Dr Sweetspire Trl Mulberry Ct	0.065 0.072 0.085 0.036 0.236 0.032 0.084 0.037 0.044 0.04 0.083 0.083	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	18 20 20 20 22 22 22 22 22 22 22 22 22 20 20	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0
Oak Manor Pl Oakbrook Dr Oakbrook Dr Oakbrook Dr Oakbrook Dr Oakbrook Dr Oakleaf Dr S Oakleaf Dr S Oakleaf Dr S Oakleaf Dr N Osage Dr	Ella Dr Ash Rd Spring Ct Valley Spring Ct Surface type split Ashwood Dr Spring Mill Dr W Woodvale Dr Montrose Park Dr End Spring Mill Dr W Woodvale Dr County Road 18 Mulberry Ct	Danielson Dr Spring Ct Valley Spring Ct Surface type split Ashwood Dr End Woodvale Dr Montrose Park Dr Sweetspire Trl Spring Mill Dr W Woodvale Dr Sweetspire Trl Mulberry Ct Catalpa Ct	0.065 0.072 0.085 0.036 0.236 0.032 0.084 0.037 0.044 0.04 0.083 0.083 0.107	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	18 20 20 20 22 22 22 22 22 22 22 22 20 20	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0
Oak Manor Pl Oakbrook Dr Oakbrook Dr Oakbrook Dr Oakbrook Dr Oakbrook Dr Oakleaf Dr S Oakleaf Dr S Oakleaf Dr S Oakleaf Dr N	Ella Dr Ash Rd Spring Ct Valley Spring Ct Surface type split Ashwood Dr Spring Mill Dr W Woodvale Dr Montrose Park Dr End Spring Mill Dr W Woodvale Dr County Road 18	Danielson Dr Spring Ct Valley Spring Ct Surface type split Ashwood Dr End Woodvale Dr Montrose Park Dr Sweetspire Trl Spring Mill Dr W Woodvale Dr Sweetspire Trl Mulberry Ct	0.065 0.072 0.085 0.036 0.236 0.032 0.084 0.037 0.044 0.04 0.083 0.083	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	18 20 20 20 22 22 22 22 22 22 22 22 22 20 20	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0

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Osborn Ave	Old US 20	Priem Rd	0.055	2	16	0	0
Osborn Ave	Priem Rd	Priem Rd	0.159	2	16	0	0
Osborn Ave	Priem Rd	End	0.082	2	16	0	0
North Park Ave	End	County Road 9	0.177	2	20	0	0
Pine Bluff Dr	County Road 100	Weathered Pine Ct	0.159	2	22	0	0
Pine Bluff Dr	Weathered Pine Ct	White Pine Ct	0.083	2	22	0	0
Pine Bluff Dr	White Pine Ct	Previous End	0.039	2	22	0	0
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Pioneer St	County Road 42	Northrop Dr	0.083	2	20	0	0
Pioneer St	Northrop Dr	Migro Ln	0.073	2	20	0	0
Pioneer St	Migro Ln	End	0.036	2	20	0	0
Pleasant Pl	Edwards Rd	Crystal Creek Ln	0.313	2	18	0	0
Priem Rd	Osborn Ave	Osborn Ave	0.233	2	16	0	0
Priscilla Ct	End	County Road 1	0.186	2	24	0	0
Quail Ridge Dr (EB)	State Road 19	·	0.054	2	15	0	0
		Quail Ridge Dr		1	1		
Quail Ridge Dr	Quail Ridge Dr (split)	Turtle Ct	0.058	2	15	0	0
Quail Ridge Dr	Turtle Ct	Briarton Dr	0.088	2	15	0	0
Quail Ridge Dr	Briarton Dr	Barberry Dr	0.277	2	15	0	0
Quail Ridge Dr	Barberry Dr	End	0.049	2	15	0	0
Quebec St	Byrd Ave	Wilshire Blvd (EB)	0.123	2	18	0	0
		1			1		
Quebec St	Wilshire Blvd (EB)	Wilshire Blvd (WB)	0.008	2	18	0	0
Quebec St	Wilshire Blvd (WB)	Eastgate Ave	0.113	2	18	0	0
Rio Lindo Dr	End	Oak Manor Pl	0.238	2	30	0	0
River Shore Ln	Eberly Pl	End	0.222	2	19	0	0
Riverdale Dr (west leg)	Riverdale Dr (east leg)	Riverdale Dr	0.03	2	18	0	0
Riverdale Dr	Riverdale Dr (cul-de-sac)	Oak Grove Dr	0.17	2	18	0	0
			-	1	1		
Riverdale Dr	Oak Grove Dr	Ella Dr	0.214	2	18	0	0
Riverdale Dr	Ella Dr	Fraily Dr	0.105	2	18	0	0
Riverdale Dr	Fraily Dr	Danielson Dr	0.035	2	18	0	0
Riverdale Dr	Danielson Dr	Old Us 20	0.086	2	18	0	0
Sandbrooke Dr	State Road 13	Darin Ct	0.046	2	22	0	0
Sandbrooke Dr	Darin Ct	Alesha Way	0.116	2	22	0	0
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Sandbrooke Dr	Alesha Way	Patricia Dr	0.061	2	22	0	0
Santa Anita St	Byrd Ave	Wilshire Blvd (EB)	0.123	2	16	0	0
Santa Anita St	Wilshire Blvd (EB)	Wilshire Blvd (WB)	0.008	2	16	0	0
Santa Anita St	Wilshire Blvd (WB)	Eastgate Ave	0.111	2	16	0	0
Sequoia Dr	End	Falcon Ct	0.033	2	20	0	0
Seguoia Dr	Falcon Ct	Mallard Ct	0.066	2	20	0	0
Sequoia Dr	Mallard Ct	Chestnut Ln	0.066	2	20	0	0
Sequoia Dr	Chestnut Ln	INDOT split	0.053	2	20	0	0
Sequoia Dr	INDOT split	Sequoia Dr cul-de-sac	0.008	2	20	0	0
Sequoia Dr	Condor Ct	Flicker Dr	0.066	2	20	0	0
Sequoia Dr	Flicker Dr	End	0.076	2	20	0	0
Silver St	W Bristol St	Elkhart City limits	0.047	2	20	0	0
		•					0
Silver St	Elkhart City limits	Springbrook Ln	0.049	2	20	0	
Silver St	Springbrook Ln	Silver Ct	0.152	2	20	0	0
Spring Mill Dr W	Montrose Park Dr	Sunnybrook Ln	0.077	2	22	0	0
Spring Mill Dr W	Sunnybrook Ln	INDOT split	0.017	2	22	0	0
Spring Mill Dr W	INDOT split	Sunnytrail Pl	0.033	2	22	0	0
Spring Mill Dr W	Sunnytrail Pl	Oakleaf Dr S	0.093	2	22	0	0
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Spring Mill Dr W	Oakleaf Dr S	Oakleaf Dr N	0.15	2	22	0	0
Springbrook Ln	Silver St	End	0.195	2	0	0	0
Springfield Ct	Valley Spring Ct	Surface type split	0.027	2	22	0	0
Springfield Ct	Surface type split	Ashwood Dr	0.184	2	22	0	0
Springfield Ct	Ashwood Dr	Surface type split	0.031	2	22	0	0
Springfield Ct	Surface type split	Spring Meadow Ct	0.031	2	22	0	0
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Springfield Ct	Spring Meadow Ct	End	0.068	2	22	0	0
Stanford Dr	Hyde Park Dr	Balmoral Dr	0.199	2	22	0	0
Stanford Dr	Balmoral Dr	Hyde Park Dr	0.123	2	22	0	0
Stonecutter Dr	Russell Pointe Dr	Chadwick Dr	0.166	2	22	0	0
Stonecutter Dr	Chadwick Dr	Sandy Creek Dr	0.11	2	22	0	0
Stonecutter Dr	Sandy Creek Dr	Previous End	0.025	2	22	0	0
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Stonecutter Dr	Previous End	North Creekside Ct/Villa Dr	0.081	2	22	0	0
Sturdy Oak Dr	Shady Ln	Fern Dr	0.125	2	20	0	0
Sturdy Oak Dr	Fern Dr	Hill Dr	0.069	2	20	0	0
Sturdy Oak Dr	Hill Dr	Glick Dr	0.071	2	20	0	0
Sturdy Oak Dr	Glick Dr			2	20	0	0
•		George Dr	0.086	1	1		
Sturdy Oak Dr	George Dr	Douglas Ave/State Road 19	0.097	2	20	0	0
Sweetspire Trl	Oakleaf Dr S	Sweetspire Ct	0.04	2	14	0	0
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Sweetspire Trl	Sweetspire Ct	Oakleaf Dr N	0.108	2	14	0	0

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Terrace Ln	End	Cherry Ln	0.046	2	18	0	0
Terrace Ln Terrace Ln	Cherry Ln Honeysuckle Ln	Honeysuckle Ln Lotus Ln	0.066 0.065	2	18 18	0	0
Terrace Ln	Lotus Ln	County Road 24	0.061	2	18	0	0
Tropicana Ave	Honeysuckle Ave	Daisy Ave	0.224	2	22	0	0
Tropicana Ave	Daisy Ave	Crimson Ave	0.031	2	22	0	0
Tropicana Ave	Crimson Ave	Sunflower Ave	0.055	2	22	0	0
Tropicana Ave	Sunflower Ave	Prairie Rose Ave	0.033	2	22	0	0
Tropicana Ave	Prairie Rose Ave	County Road 138	0.088	2	22	0	0
Tulip Tree Ln	Cardinal Ave	County Road 16	0.272	2	20	0	0
Valley View Dr	Hilly Ln	Lombard Ave	0.143	2	20	0	0
Valley View Dr	Lombard Ave	W Mishawaka Rd	0.32	2	20	0	0
Westlake Dr	End	INDOT split	0.061	2	20	0	0
Westleaf Manor Blvd	County Road 118	Woodstone Ct	0.139	2	22	0	0
Westleaf Manor Blvd	Woodstone Ct	PASER rating split	0.038	2	22	0	0
Westleaf Manor Blvd	PASER rating split	Sommerwood Ct	0.137	2	22	0	0
Westleaf Manor Blvd	Sommerwood Ct	Tailwind Ct	0.205	2	22	0	0
Willard Rd	Devere St	Maude St	0.11	2	19	0	0
Willard Rd	Maude St	Esther St	0.057	2	19	0	0
Willard Rd	Esther St	Gertrude St	0.057	2	19	0	0
Willard Rd	Gertrude St	County Road 5	0.161	2	19	0	0
Wilshire Blvd (EB)	Santa Anita St	Quebec St Yukon St	0.056	1	15 15	0	0
Wilshire Blvd (EB) Wilshire Blvd (EB)	Quebec St Yukon St	YUKON ST Ellis St	0.058 0.068	1	15 15	0	0
Wilshire Blvd (EB)	Filis St	County Road 13	0.068	1	15	0	0
Wilshire Blvd (WB)	Santa Anita St	Quebec St	0.056	1	22	0	0
Wilshire Blvd (WB)	Quebec St	Yukon St	0.057	1	22	0	0
Wilshire Blvd (WB)	Yukon St	Ellis St	0.069	1	22	0	0
Wilshire Blvd (WB)	Ellis St	County Road 13	0.065	1	22	0	0
Windsong Dr	Jimmie St	Willow Wind Ct	0.043	2	26	0	0
Windsong Dr	Willow Wind Ct	County Road 18	0.167	2	26	0	0
Wingham Ct	Stonecreek Ct	Wingham Ct	0.077	2	22	0	0
Woodside Dr	Farmwood Dr	Sunwood Dr	0.069	2	20	0	0
Woodside Dr (NB/SB)	Sunwood Dr	Woodside Dr (cul-de-sac)	0.061	2	20	0	0
Woodside Dr	Woodside Dr (NB/SB)	Woodside Dr (EB/WB)	0.019	2	20	0	0
Woodside Dr (EB/WB)	Woodside Dr (cul-de-sac)	Bruce Dr	0.098	2	20	0	0
Woodside Dr	Bruce Dr	Bridgewood Dr	0.11	2	20	0	0
Woodside Dr	Bridgewood Dr	County Road 17	0.076	2	20	0	0
Woodsprings Dr	Sunwood Dr	Pintail Dr	0.06	2	22	0	0
Woodsprings Dr	Pintail Dr	Canvasback Trce	0.1	2	22	0	0
Woodsprings Dr	Canvasback Trce	Merganser Dr	0.164	2	22	0	0
Woodsprings Dr	Merganser Dr	End	0.06	2	22	0	0
Woodvale Dr	Oakleaf Dr S	Oakleaf Dr N	0.15	2	22	0	0
Yukon St	Byrd Ave	Willshire Blvd (EB)	0.124	2	16	0	0
Yukon St	Wilshire Blvd (EB)	Wllshire Blvd (WB)	0.007	2	16	0	0
Yukon St Zollinger Rd	Wilshire Blvd (WB) Hackett Rd	Eastgate Ave Goshen City Limits	0.113	2	16 22	2	2
Zollinger Rd	Goshen City Limits	Buttonbush Ln	0.057	2	22	2	2
Zollinger Rd	Buttonbush Ln	County Road 28	0.297	2	22	2	2
County Road 34	County Road 29	Clinton/Elkhart Township Boundary	0.805	2	24	0	0
County Road 34	Clinton/Elkhart Township Boundary	County Road 31	0.227	2	24	0	0
Charla Ln	Ash Rd	North Fork Ln	0.088	2	22	0	0
Benham Ave	End	Hilly Ln	0.026	2	22	0	0
Charlie Dr	Amber Valley Dr/Carter Kash Dr	County Road 20	0.182	2	22	0	0
Amber Valley Dr	Pine Bluff Dr	Jaxon Dr	0.074	2	22	0	0
Amber Valley Dr	Jaxon Dr	Carter Kash Dr	0.09	2	22	0	0
Carter Kash Dr	Amber Valley Dr/Charlie Dr	Jaxon Dr	0.153	2	24	0	0
Jaxon Dr	Amber Valley Dr	Previous End	0.05	2	22	0	0
Jaxon Dr	Previous End	Carter Kash Dr	0.185	2	22	0	0
Pine Bluff Dr	Previous End	Baylee Ct	0.083	2	22	0	0
Pine Bluff Dr	Baylee Ct	Amber Valley Dr	0.145	2	22	0	0
Baylee Ct	End	Pine Bluff Dr	0.044	2	22	0	0
Silver St	Silver Ct	Hallie Rd	0.07	2	20	0	0
Silver Ct	End	Silver St	0.073	1	12	0	0
Villa Dr	Villa Dr (cul-de-sac)	North Creekside Ct	0.191	2	22	0	0
North Creekside Ct	Stonecutter Dr/Villa Dr	End	0.031	2	22	0	0
Ashwood/Oakcrest Dr cul-de-sac	End	Ashwood Dr/Oakcrest Dr	0.011	2	100	0	0
Kennedy/Oakcrest Dr cul-de-sac	End	Oakcrest Dr	0.012	2	100	0	0
N Cobus/E Cobus Dr cul-de-sac	East Cobus Dr	End	0.009	2	20	0	0
Patterson/Mast Dr cul-de-sac	End	Mast Dr	0.009	2	100	0	0

Villa Dr	Sandy Creek Dr Roundabout	Previous End	0.031	2	22	0	0
Villa Dr	Previous End	Villa Dr (cul-de-sac)	0.03	2	22	0	0
Villa Dr	Villa Dr (cul-de-sac)	Villa Dr (cul-de-sac)	0.015	2	22	0	0
Villa Dr (cul-de-sac)	Villa Dr	Villa Dr	0.031	2	22	0	0
Packard Dr	County Road 4	Packard Dr (road stub)	0.242	2	24	0	0
Packard Dr (stub)	Packard Dr	End	0.032	2	24	0	0
Oak Leaf Pl	Oak Ln	Jayne Dr	0.027	2	18	0	0
Spring Run	Spring Run	Stone Edge Dr	0.018	2	22	0	0
Spring Run (SB)	Old US 20	Spring Run	0.028	2	24	0	0
Falling Water/Stone Edge cul-de-sac	Stone Edge Dr	End	0.007	2	75	0	0
Carter Kash/Jaxon cul-de-sac	Jaxon Dr	End	0.007	2	75	0	0
Delany Ln	INDOT split	Homeland Rd	0.115	2	28	0	0
Linnwood Dr	Linnwood Dr (split)	Linnwood Dr cul-de-sac	0.069	2	22	0	0
Linnwood/Woodsedge cul-de-sac	End	Linnwood Dr/Woodsedge Dr	0.006	2	75	0	0
Linnwood Dr cul-de-sac	End	Linnwood Dr	0.007	2	75	0	0
Penton Ct	Penton Ct	Penton Ct	0.017	2	22	0	0
Penton Ct	Penton Ct	Penton Ct	0.016	2	22	0	0
Kingsland Ct (south leg)	Kingsland Ct (north leg)	Kingsland Ct	0.018	2	22	0	0
Kingsland Ct (north leg)	Kingsland Ct (south leg)	Kingsland Ct	0.019	2	22	0	0
Sommerwood Ct	Sommerwood Ct cul-de-sac	End	0.07	2	22	0	0
Sommerwood Ct cul-de-sac	Sommerwood Ct	End	0.007	2	75	0	0
Woodstone Ct cul-de-sac	Woodstone Ct	End	0.008	2	75	0	0
Forest Grove/Penton cul-de-sac	Forest Grove Ave/Penton Ct	End	0.004	2	60	0	0
Westlake Dr	INDOT split	County Road 108	0.078	2	20	0	0
Hillside Dr	Hillside Dr	Deer Path Ct	0.072	2	22	0	0
Hillside Dr cul-de-sac	Hillside Dr	End	0.009	2	75	0	0
Fall Creek Ct	Fall Creek Dr	Fall Creek Ct cul-de-sac	0.061	2	22	0	0
Fall Creek Ct cul-de-sac	Fall Creek Ct	End	0.007	2	75	0	0
Woodmere Dr	Woodmere Dr	County Road 18	0.079	2	22	0	0
Woodmere Dr cul-de-sac	Woodmere Dr	End	0.009	2	75	0	0
Wingham Ct	Wingham Ct	End	0.036	2	22	0	0
Wingham Ct cul-de-sac	Wingham Ct	End	0.008	2	75	0	0
Andy/Kevin cul-de-sac	Andy Dr/Kevin Ct	End	0.007	2	75	0	0
Farmwood/Woodside cul-de-sac	End	Farmwood Dr/Woodside Dr	0.014	2	120	0	0
Sequoia Dr	Sequoia Dr cul-de-sac	Condor Ct	0.06	2	20	0	0
Sequoia Dr	Sequoia Dr cul-de-sac	Sequoia Dr cul-de-sac	0.042	2	20	0	0
Hilly Ln	INDOT split	Benham Ave	0.185	2	20	0	0
Hilly Ln cul-de-sac	End	Hilly Ln	0.009	2	75	0	0
Dekalb Ln	Dekalb Ln (cul-de-sac)	Northrop Dr	0.015	2	20	0	0
Dekalb Ln (west leg)	Dekalb Ln (east leg)	Dekalb Ln	0.021	2	20	0	0
Migro Ln (south leg)	Migro Ln	Migro Ln (north leg)	0.023	2	20	0	0
Migro Ln (north leg)	Migro Ln	Migro Ln (south leg)	0.022	2	20	0	0
Northrop Dr	Northrop Dr (cul-de-sac north leg)	Northrop Dr (cul-de-sac)	0.021	2	20	0	0
Northrop Dr (east leg)	Northrop Dr	Northrop Dr (west leg)	0.023	2	20	0	0
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Total: 97.091