
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
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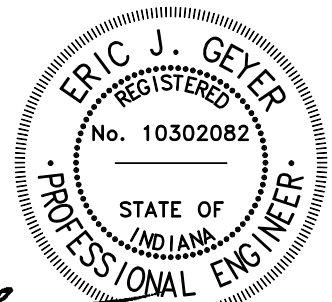
Project Bid Documents
for
Elkhart County Bridge No. 347 Replacement
Elkhart County, Indiana

Prepared by:



Engineer:

A handwritten signature in black ink, appearing to read "Eric J. Geyer".



Date: 06/04/2026

**ELKHART COUNTY BRIDGE NO. 347 REPLACEMENT – ELKHART COUNTY, INDIANA
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General Conditions

For

ELKHART BRIDGE NO. 347 REPLACEMENT

OWNERS:

ELKHART COUNTY, INDIANA, ACTING THROUGH
ITS BOARD OF COUNTY COMMISSIONERS
ELKHART COUNTY HIGHWAY DEPARTMENT
ENGINEERING SECTION
610 STEURY AVENUE
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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 OR REGULATIONS"	Laws, rules, regulations, ordinances, codes and/or 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 REPRESENTATIVE"	The authorized representative of ENGINEER 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 DETAILS"	The current INDOT standard sheets with standard details.
"STANDARD SPECIFICATIONS"	The latest edition of the Indiana Department of Transportation Standard Specifications and current supplemental Technical Specifications.
"STOP ORDER or STOP WORK ORDER"	Written order from OWNER or ENGINEER to stop all work covered by the Contract Documents.
"SUBCONTRACTOR"	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 CONDITIONS"	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 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.

1.2 Copies 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.

1.4 Commencement 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.

1.6 Before 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.

2.2 Amending 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.

3.4 Assignment 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.

4.2 Labor, 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.

4.8 Taxes

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.

4.9 Use 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

SCHOOLS

Baugo	293-8583	fax:
Concord.....	875-6577	fax: 875-1617
.....		fax: 875-8762
Elkhart	262-5695	fax: 262-5750
Fairfield.....	831-2188	fax:
Goshen.....	533-8631	fax:
Middlebury.....	825-9410	fax:
Northwood.....	574-773-3131	fax:

POST OFFICES

Bristol	848-4713	fax: 533-9998
Elkhart	293-5502	fax: 293-5501
Goshen.....	533-3915	fax: 533-8077
Middlebury.....	825-2505	fax:
Wakarusa	862-2010	fax:

NEWS MEDIA

Elkhart Truth.....	294-1661	fax: 294-3895
Goshen News.....	533-2151	fax: 534-8830
Channel 16.....	574-631-1616	fax: 293-3297
.....		fax: 631-1639
Channel 22.....	574-293-3148	fax: 289-0622
Channel 28.....	574-679-4545	fax: 522-7609

OTHERS:

Elkhart County Hwy..... 533-0538

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.

6.2 Appointment 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.

6.3 Payment

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

7.1 Owner'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.

7.8 Limitations 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).

8.2 Disagreement

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.

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 of complexes, locations and approximate contract cost thereof.

5. Have you ever defaulted on a contract? _____ Yes _____ No
If Yes, when, with whom and why? _____

6. *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

8. 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 employ.
_____ Yes _____ No

If no, please state reasons.

9. Have you encouraged minority building subcontractors to submit proposals in connection with your bid? _____ Yes _____ No. If yes, state the name(s) of the minority subcontractors who have been contacted by you for the purpose of submitting a bid/proposal. If no, please state reasons.

10. Do you intend to use any minority subcontractors in performing the work or providing the materials contained within your bid? _____ Yes _____ No. If yes, please state the name of the subcontractor. If no, please state reasons.

11 Have you been involved in any complaints or litigation relative to the use of minority subcontractors? _____ Yes _____ No. If yes, what is the status of the complaints of the litigation?

12 Additional pertinent comments:

BY: _____

(Signature of official completing this form)

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 bounden parties have executed this instrument under their several seals this _____ day of _____, _____ the name and corporate seal of each corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

IN PRESENCES OF:

INDIVIDUAL PRINCIPALS:

_____(SEAL)
_____(SEAL)
_____(SEAL)
_____(SEAL)

ATTEST:

CORPORATE PRINCIPAL:

_____(SEAL)
_____(SEAL)

Business Address _____

By: _____

Title: _____

ATTEST:

CORPORATE SURETY:

_____(SEAL)
_____(SEAL)

Business Address _____

By: _____

Title: _____

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

CERTIFICATE AS TO CORPORATE PRINCIPAL

I, _____
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 Principal
was then _____ of 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.

_____ (SEAL)

ELKHART BRIDGE NO. 347 REPLACEMENT **PERFORMANCE AND PAYMENT BOND**

PERFORMANCE AND PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS,

That _____ as principal and _____ as surety, are firmly bound unto Elkhart County, Indiana, acting through its Board of County Commissioners (OWNER) in the penal sum of an amount equal to one hundred percent (100%) the amount of his bid or the contract price, if the proposal is accepted, for the payment of which, well and truly to be made, we bind ourselves, jointly and severally, and our joint and several heirs, executors, administrators, and assigns, firmly by these presents, this ____ 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 ELKHART BRIDGE NO. 347 REPLACEMENT 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

ELKHART BRIDGE NO. 347 REPLACEMENT **PERFORMANCE AND PAYMENT BOND**

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

ELKHART BRIDGE NO. 347 REPLACEMENT **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 WITNESS WHEREOF, we hereunto set our hands and seal this _____ day of _____, _____.

NAME _____

NAME _____

ADDRESS _____

ADDRESS _____

BY _____
Signature Title

BY _____
Signature Title

(Printed or Typed)
Surety

(Printed or Typed)
Principal

MAINTENANCE BOND

KNOW ALL MEN BY THESE PRESENT: That we, _____
_____, as

Principal, _____ and

_____ as Surety, are held and firmly bound to the _____

_____ in

the sum of _____

_____ Dollars (\$ _____)

for the payment of which sum well and truly to be made, we jointly and severally bind ourselves, our heirs, executors, administrators, and successors, firmly by these present.

THE CONDITIONS OF THE ABOVE OBLIGATION are that, whereas the Principal, entered into a contract with the Owner on the _____ day of _____, _____, to construct _____ according to the Plans and Specifications, and also warranting the work and materials as provided in the aforesaid Contract and Specifications, for a period of three (3) years from the date of final acceptance of work by the Owner.

Now, if the said Principal shall faithfully perform and fulfill all the requirements of said Warranty and Guaranty, and make all repairs required under said Guaranty and, in the manner provided for, then this Bond to be null and void, otherwise to be in full force and effect.

IN WITNESS WHEREOF, this statement is executed in two (2) counterparts, each 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 COMMISSIONERS

Bradley D. Rogers, President

Suzanne M. Weirick, Vice President

Bob Barnes, Member

ATTEST: _____
Tiara Jackson, Auditor

AGREEMENT

THIS AGREEMENT, made and entered into this ____ day of _____, _____, by and between _____ (a corporation organized and existing under the laws of the State of Indiana), hereinafter referred to as the "CONTRACTOR," and "ELKHART COUNTY, INDIANA," acting through the Board of Commissioners, hereinafter referred to as the "OWNER."

WITNESSETH, 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 ELKHART BRIDGE NO. 347 REPLACEMENT, 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 **July 29, 2026** be substantially complete by **November 6, 2026** and receive final acceptance on or before **June 1, 2027** . Any Work remaining to be completed after **November 6, 2026** or Final Acceptance has not been received by **June 1, 2027** 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 (November 6, 2026) or final acceptance has not been received by the final acceptance date herein established (June 1, 2027), Contractor shall owe and pay to Owner the sum of \$2500 per day, as liquidated damages and not as penalty. In establishing said \$2500 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:

By _____ Signature

_____ Printed Name

_____ Title

OWNER: **ELKHART COUNTY, INDIANA**, by and through its Board of County Commissioners

Bradley D. Rogers, President

Suzanne M. Weirick, Vice-President

Bob Barnes, Member

ATTEST: _____
Tiara Jackson, Auditor

Division 2:

Supplemental Provisions

For

ELKHART BRIDGE NO. 347 REPLACEMENT

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

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SP1 – GENERAL INFORMATION

1. GENERAL

The following Technical Provisions are in addition to the latest edition of the Indiana Department of Transportation "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 latest edition of the Indiana Department of Transportation Standard Specifications and current supplementary 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.

2. HIERARCHY

The hierarchy of governing authority in the contract Documents is as follows.

- A. Division 1 provisions as modified by the Supplementary Provisions
- B. Project Specifications
- C. Project Drawings
- D. County Specifications
- E. INDOT Standard Specifications
- F. INDOT Standard Drawings

3. GENERAL DESCRIPTION OF WORK

This project includes the replacement of the Elkhart County Bridge No. 347 carrying County Road 44 over Stony Creek. This project is located approximately 0.30 miles east of SR 13 in Elkhart County, Indiana. The existing single-span, prestressed concrete box beam bridge founded on reinforced concrete abutments shall be replaced with a three-span, continuous, reinforced concrete slab bridge founded on integral pile bents. The roadway improvements shall include 87 ft of full depth pavement replacement west of the paving exception and 92 ft of full depth pavement replacement east of the paving exception. Incidental to the construction shall be resurfacing and widening for 180 ft to the west, and 50 ft to the east from the project limits.

SP2 – TIME OF COMPLETION

1. MOBILIZATION

Work on this Contract shall not begin prior to notice to proceed.

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 bi-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 Work 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.

2. SUBSTANTIAL COMPLETION

Add the following new definition to the DEFINITIONS section of the General Provisions:

“SUBSTANTIALLY COMPLETE” The time at which the Work (or a specified portion thereof) is ready for its intended use and all work items (in the specified portion thereof) are complete.

Add the following at the beginning of Section 12.5 of the General Provisions:

A project is considered substantially complete when the entire Work is ready for its intended use and all work items are complete.

3. LIQUIDATED DAMAGES

The completion date as referred to in ARTICLE 3 of the agreement will be used interchangeably with the term Final Acceptance. Final Acceptance is the point in time where the Engineer provides recommendation of final payment to the Owner as outlined in Section 12.9 of the General Provisions.

Liquidated damages will apply for the following dates and intermediate dates until conclusion of said portion of project or contract.

Description	Date
Substantial Completion	November 6, 2026
Final Acceptance	June 1, 2027

4. REVIEW TIMES

The Engineer is allowed to use to the following time to produce items owed to the Owner or Contractor per this agreement and the Owner is not obligated to provide the Contractor a change of contract time therefore.

In Section 12.5 of the General Provisions, ‘a reasonable time thereafter’ is seven (7) calendar days for a contract price under \$1,000,000.00 and fourteen (14) calendar days otherwise. The Owner is not required to provide the Contractor a change in contract time therefore.

In Section 12.9 of the General Provisions, the Engineer will indicate in writing Engineer's recommendation of payment and present the Application to Owner for payment within fourteen (14) calendar days after receipt of final Application for Payment. The Engineer may recommend to the Owner that a Waiver of Time be provided to the Contractor for the fourteen (14) calendar days listed herein if the Contractor has demobilized from the site, there are no remaining defective or incomplete Work items. A Waiver of Time is document that waives the Liquidated Damages for the time-frame indicated in the document. A Waiver of Time may be given for part or the entirety of the fourteen (14) day period listed herein. The amount of time provided in the Waiver of Time is at the discretion of the Owner.

5. CHANGE OF CONTRACT TIME

Add the following new definition to the DEFINITIONS section of the General Provisions:

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.

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 modified as follows.

- A. This completion date is a 'fixed calendar date' as defined by INDOT Standard Specifications section 108.
- B. Changes in Contract Time will only be considered if requested in writing by the Contractor in accordance with Article 10 of the General Conditions.

SP3 – UTILITIES

1. 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).

2. 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.

SP4 – BUY AMERICAN REQUIREMENT

1. GENERAL

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

SP5 – STORAGE OF CONTRACTOR'S EQUIPMENT, MATERIALS AND TEMPORARY OFFICES

1. 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 any kind, shall be restored to their original condition by the Contractor at his own expense, when no longer required for that purpose.

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.

SP6 – HAZARD COMMUNICATIONS PROGRAM

1. 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.

SP7 – ENVIRONMENTAL RESTRICTIONS

1. GENERAL

- A. All trees or shrubs outside the construction limits shall not be disturbed.
- B. Construction limit is defined as the Right-of-Way line unless otherwise shown on the plans.

2. PERMITS

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

- Indiana Department of Environmental Management Section 401 WQC

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

SP8 – CONSTRUCTION STAKING

1. GENERAL

The Contractor shall provide construction layout/surveying under the direction of a licensed land surveyor for the improvements as shown in the project plans and specifications. The cost of this item shall be included in the cost of other items and shall include, but may not be limited to the following:

Locate existing bench marks and run level circuit to check elevations. Set new bench marks (if needed) every 500 feet. Bench mark data sheets shall be provided to the project Engineer.

Stake right-of-way as needed.

Stake all easement lines.

Preserve and perpetuate existing property corners, which are at risk from construction operations. (This item must be performed under the direct supervision of a licensed surveyor.)

Field notes shall be kept in standard field notebooks supplied by the Contractor in a clear, orderly and neat manner consistent with standard engineering practices and

procedures. The field books shall be available for inspection by the Engineer at all times and shall become the property of the Owner on completion of the work.

The supervision of the Contractor's construction staking personnel shall be the responsibility of the Contractor and any errors resulting from the operations of such personnel shall be corrected at the expense of the Contractor and at no additional cost to the Owner.

The Engineer may check the accuracy of the staking as necessary, but will assume no responsibility for the accuracy of the layout or the final result of construction accuracy.

Surveying pertaining to existing rights-of-way and monument perpetuation shall be performed under the direction of a Land Surveyor licensed in the State of Indiana.

SP9 – CONTRACTOR'S RESPONSIBILITY FOR MATCHING OLD WORK

1. GENERAL

Where new work is to be fitted to old work, the Contractor shall check all leading dimensions and conditions in the field and report any errors or discrepancies to the Engineer and assume responsibility for their correctness and the fit of new parts to old. If such parts do not fit properly, the Contractor shall make and pay for such alterations or new parts as may be necessary to assure proper fits and connections meeting the approval of the Engineer.

SP10 – DUST AND AIR POLLUTION CONTROL

1. GENERAL

Provision shall be made for prompt removal from traveled roadways of all dirt and other materials that have been deposited thereon by operations concerned 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.

2. CONSTRUCTION

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.

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.

SP11 – CONTAMINATION PRECAUTION

1. 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.

SP12 – PROOFROLLING

1. GENERAL

Proofrolling of the natural ground surface or subgrade treated surface shall be in accordance with 203.26. All areas where HMA will be placed shall be required to pass a proofroll prior to paving operations. Any soft soils encountered during the proofrolling operations, which will not readily compact, shall be removed and replaced with Structure Backfill to an elevation two (2) feet above the ground water level, if ground water is encountered. Otherwise backfilling shall be accomplished in accordance with 203.09. The Contractor shall schedule a proofroll with the Owner's representative 24 hours in advance of all proofrolls. A load ticket will be required for the truck performing the proof roll, showing a minimum gross weight of 68,000 lbs. for a tri-axle or tandem axle truck. No quad axle trucks will be allowed unless the fourth axle is lifted from the surface for the test.

2. PAYMENT

No direct payment will be made for proofrolling. The cost of this work shall be included in bid price of other items.

SP13 – DISPOSAL OF UNSUITABLE MATERIAL

1. GENERAL

A. No temporary Right-of-Way has been provided on this contract for disposal of unsuitable material. The disposal of any peat and/or any other unsuitable soil that might be

encountered throughout the length of the project shall be in accordance with all applicable requirements of 203.12.

- B. Excess peat material left over after placement as set out in 203.12 shall be disposed of outside the Right-of-Way with no additional payment.
- C. Excess material may be utilized as "topsoil" where appropriate.

SP14 – RECORD DRAWINGS

1. GENERAL

Record Drawings shall be required for all major projects.

Record Drawings shall be required for minor projects if they include, but not limited to, the following elements: change in road elevations, profile, alignment, small structure improvement, intersection improvement, drainage pipe and structures.

The Contractor shall provide the Owner with two (2) neatly prepared and reproducible sets of record drawings and two (2) complete sets in PDF format on a CD or DVD.

2. MINIMUM RECORD DRAWING REQUIREMENTS

Record drawings shall include the following, but not be limited to:

- a) Installed structure locations (including GPS coordinates) and elevations
- b) Elevations of installed improvements at regular intervals not to exceed 50 feet, i.e., curb and gutter, pavement centerline, swales and ditches, etc.
- c) Detention/Retention basin elevations with constructed capacity
- d) Any other newly constructed or reconstructed features pertinent to the project

Record drawing preparation shall be incidental to the contract.

SP15 – MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD)

1. 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.

SP16 – COORDINATION CLAUSE

1. 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.

SP17 – EXISTING TRAFFIC CONTROL DEVICES

1. GENERAL

- (a) This work shall consist of the removal and delivery to the County of all roadway signs and delineators that are to be removed and not reused in this contract. These items are to be delivered to the location specified by the Engineer. This work will not be paid for separately, but shall be included in the cost of other items.
- (b) Signs not required to be removed, or are planned for reuse, that are damaged by the Contractor shall be replaced by the Contractor.
- (c) All existing regulatory signs shall be maintained at all times during construction. For questions that should arise, the Engineer will be notified.
- (d) For all other signs that are to be disturbed, the County will be notified as to the reinstallation of these signs.
- (e) All existing traffic signals, masts, poles and other hardware if removed must be salvaged and maintained in good condition by the Contractor. The County has salvage rights for all removed items if not reused in the course of constructing this project.

SP18 – MATERIAL TESTING

1. LABORATORY INSPECTION AND TESTING

-
- A. All collection, laboratory inspection and testing of materials shall be performed as required under Article 106.02 of the Standard Specifications except as modified herein. It is the responsibility of the Contractor to see that all work is performed as required herein. The collection, laboratory inspection and testing of materials shall be performed by an independent testing laboratory.
 - B. The minimum number of samples and/or tests will be in accordance with INDOT's "Manual for Frequency of Sampling and Testing and Basis for Use of Material" unless superseded by the Technical Provisions and Supplementary Specifications for this project. This manual is available for review at INDOT's Office of the Division of Materials and Tests.
 - C. The cost of this work shall be included in the bid price of other items.
 - D. The Engineer, or the Engineer's Authorized Representative, may require that collection, laboratory inspection and testing of materials be performed in addition to the minimum number of tests required as described above. A written order will be provided to the Contractor requesting the additional work. Payment for the additional collection, laboratory inspection and testing of materials will be made either by change order or under the item allowance for Inspection and Testing if included in the contract. All test results shall be given to the owner/inspector in a timely manner.

SP19 – SPECIAL RIGHT-OF-WAY CONDITIONS

1. GENERAL

This item shall include any work necessary to address an unforeseen condition found during construction. If an unforeseen condition is encountered, the Contractor shall advise the Engineer of the condition. A method of resolving the condition will be provided to the Contractor so that the cost of the additional work can be determined. The Contractor must receive written approval from Elkhart County before proceeding with any additional work. This approval will define the amount of this bid item to be applied to the cost of the additional work. The Contractor will only receive payment for this item if extra work approved by Elkhart County is performed and then only the approved amount. Any unused portion of this item will be deleted from the contract upon completion of the project.

SP20 – VIDEO REQUIREMENTS FOR CONSTRUCTION CORRIDOR

1. GENERAL

The Contractor shall provide video footage, including sound, of the entire project, including but not limited to any off-site areas used for material storage, hauling, dumping, and other areas that may be affected by the construction process.

The video shall provide a complete record of the physical conditions of the entire project BEFORE mobilization and AFTER cleanup. The video shall be cataloged by automobile odometer readings taken in one-tenth (1/10) of a mile increments for those areas accessible by automobile, or by project Stationing, either via on-screen text or audible notes. Time and date stamp shall be recorded throughout and clearly legible on the video.

2. QUALITY

The video shall be 720p quality or better. The videos shall be in mpeg-4 or H.264 format. Should multiple individual files be used, each should overlap 100 feet with the one previous to it. The center of the road, driveways, landscaping, and lawn areas adjacent to the project should be clearly visible.

3. COST AND TIMELINE

The cost of video recording shall be incidental to the other project items. However, no application for payment will be approved until after the pre-construction videos have been reviewed and accepted by both the Engineer and Owner. **The pre-construction videos shall be provided to the Engineer at least two (2) weeks prior to the application of initial progress payment.** Prior to final payment application to release retainage, the Contractor shall submit to the Engineer the post-construction video.

SP21 – REMOVAL OF SIGNS

1. GENERAL

Removal of the existing signs shall be in accordance with these requirements. The locations shall be shown on the plans. The plaque attached to the existing guardrail and the weight limit signs shall be removed by the contractor and delivered to Todd Elby at the Elkhart County Highway Department. The contractor shall also remove and reset the modern Bridge Information sign. All sign sheets shall be removed without being damaged and stored as directed.

SP22 – BRIDGE RAILING TYPE TS-1 & GUARDRAIL TRANSITION TYPE TGS-1

1. GENERAL

The Contractor shall construct Railing Type TS-1 and Guardrail Transition Type TGS-1, Modified as shown on the plans, in accordance to INDOT Recurring Plan Detail E 706-B-

140d (Pg. 1-3). These drawings are attached to the end of the Supplemental Specifications.

SP23 – TRANSVERSE TINING

1. GENERAL

This work shall consist of finishing and surface texturing concrete surfaces with transverse tining in accordance with the requirements herein.

The concrete surface shall be finished with equipment in accordance with 508.04. The operations shall be controlled so that an excess of mortar and water is not worked to the top. Long-handled floats may be used to smooth and fill in open textured areas. Hand methods of finishing may be used when finishing equipment breaks down or in tight working areas where field conditions limit the use of mechanical devices.

The concrete surface shall be textured with a double thickness burlap drag or a minimum 4 ft wide turf drag followed by tining oriented transverse to the direction of travel before the concrete permanently sets. Tining the textured surface shall be completed using a mechanical device in accordance with 508.06. The Contractor shall oversee the tining operation to ensure the forming of straight, uniform grooves in the textured, plastic concrete surface without tearing the concrete surface, without allowing the tine groove edges to slump at the edges, and without bringing pieces of coarse aggregate to the top of the concrete surface. Wander and overlap of the tining, and any wavy pattern in the tining, shall be prevented. Presence of wander, overlap, or wavy pattern in the tining will be cause for retexturing.

Tining shall be in the transverse direction, perpendicular to the direction of travel. Tining shall be completed using a mechanical device in accordance with 508.06 that has 1/8 in. wide tines, spaced center-to-center as follows: 3/8 in., 9/16 in., 5/8 in., 7/16 in., 3/8 in., 1/2 in., 9/16 in., 5/8 in., 7/16 in., 3/8 in., 13/16 in., 1/2 in., and produces a uniform, nominal depth tine groove 1/8 in. \pm 1/16 in. deep in the plastic concrete. The tining pattern shall be repeated across the concrete surface perpendicular to the direction of travel.

For tight working areas, form work, and where field conditions such as small or irregularly shaped areas limit the use of mechanical devices, as determined by the Engineer, the Contractor may request to use a hand tool that is in accordance with 508.06 and has tines and spacing in accordance with the requirements herein. The mechanical device shall have automated elevation and steering controls to ensure the forming of straight grooves of uniform depth and alignment in the plastic concrete, without tearing the surface. The mechanical device shall have a single row of steel tines spaced as specified. Hand tools consisting of fluted floats, rakes with spring steel tines, or finned floats with a single row of fins shall produce grooves which conform to the same requirements as those specified for the grooves formed by the mechanical device.

Areas of concrete which are not finished and textured in accordance with the requirements herein shall be corrected by retexturing. Retexturing shall be done in the same transverse direction as the orientation of the existing tining. It shall consist of cutting transverse grooves

in the concrete surface by means of saw blades or other approved devices. The grooves shall be spaced in accordance with the transverse tining requirements herein. The concrete surface, after cutting, shall not be polished.

Curing materials shall be applied to exposed surfaces and sides of newly placed concrete within 30 minutes after the finishing operations have been completed, or as soon as marring of the concrete does not occur. Paving operations shall be immediately suspended if sufficient curing materials are not available on site.

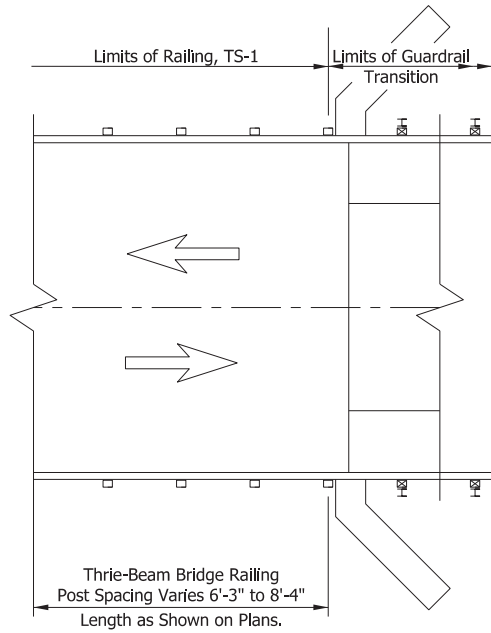
2. PAYMENT

The cost of finishing the concrete surface and furnishing and placing curing materials shall be included in the cost of the concrete. Retexturing shall be at no additional cost to the County.

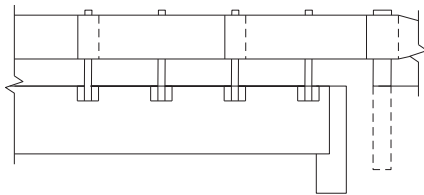
SP24 – SUBSTANTIAL COMPETION DATE

1. GENERAL

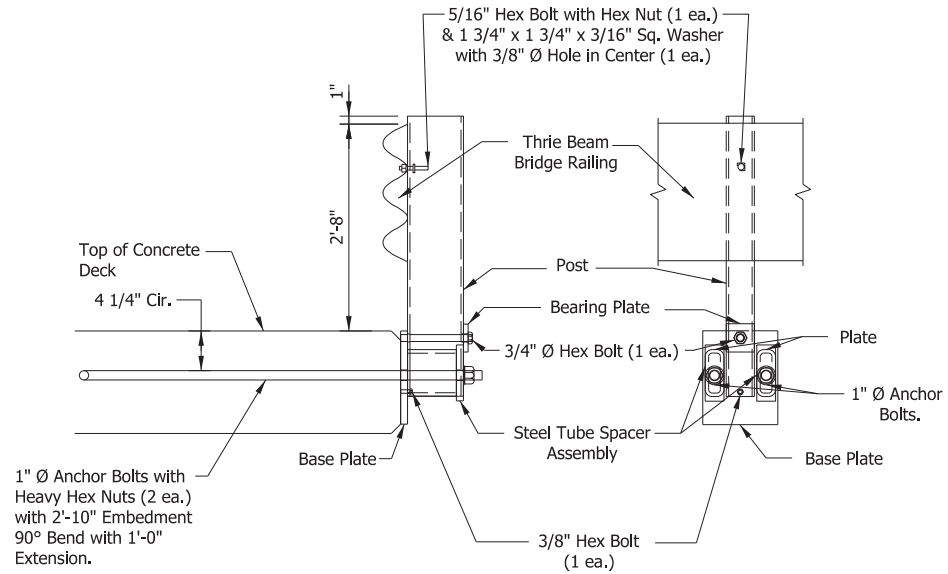
The time provided between the substantial completion date and final completion date is solely to allow the contractor to complete erosion control work associated with pay items 621. All other work on the contract shall be completed before the substantial completion date shown on the contract page. If the work is not completed on or before the substantial completion date shown on the contract document, liquidated damages will be assessed per contract document.



PLAN VIEW



ELEVATION VIEW



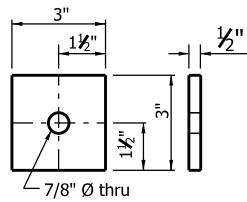
THRIE-BEAM BRIDGE RAILING ASSEMBLY DETAILS

NOTES:

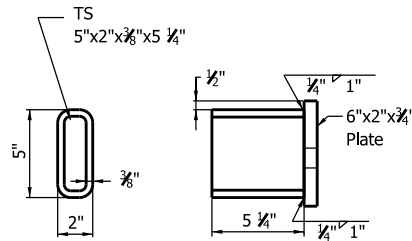
1. See Standard Drawings E 601-TBGC and -02 for thrie beam rail section.
2. TS-1 railing and TGS-1 transition details are acceptable as NCHRP Report 350 Test Level 2.

INDIANA DEPARTMENT OF TRANSPORTATION

RAILING, TS-1



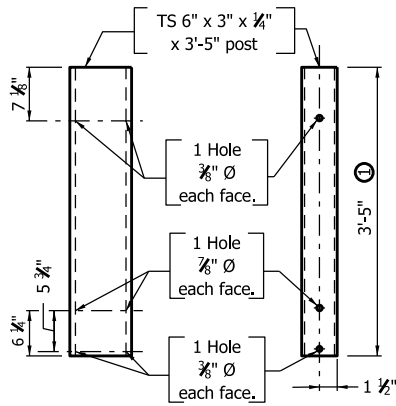
BEARING PLATE



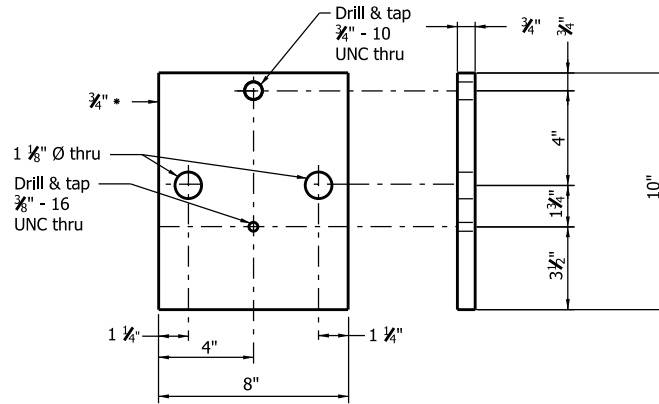
STEEL TUBE SPACER ASSEMBLY

NOTES:

- ① Post length may vary. If the 1" * anchor bolts in the deck must be lowered to accommodate the deck reinforcing steel, the steel base plate shall be lowered and the post length increased.



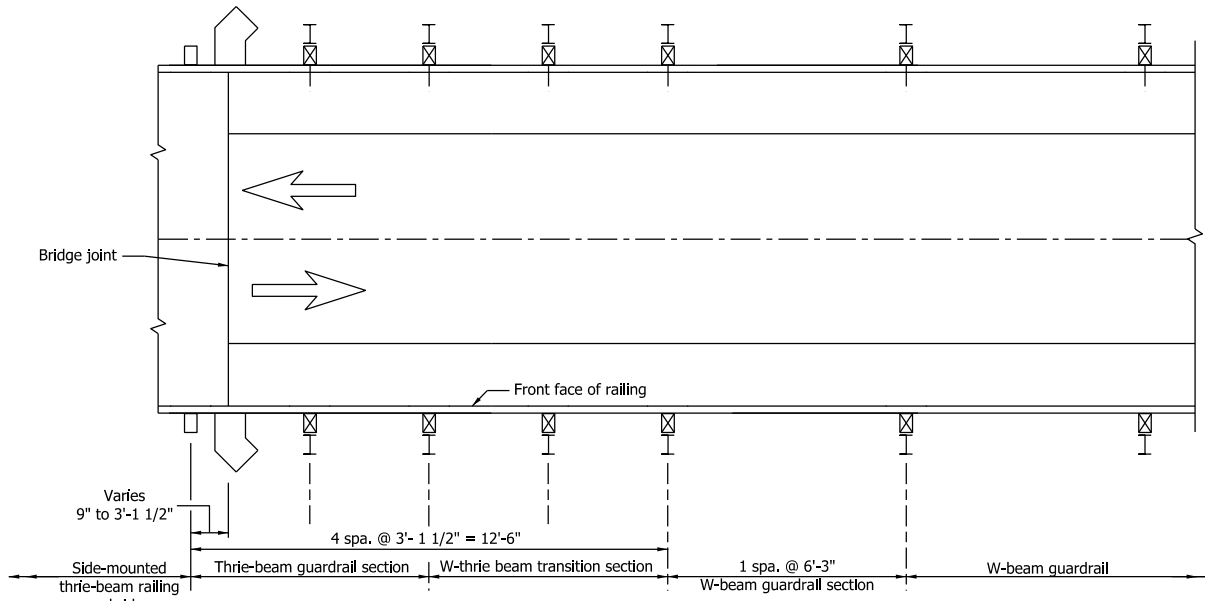
SECTION REAR VIEW
BRIDGE STEEL POST DETAIL



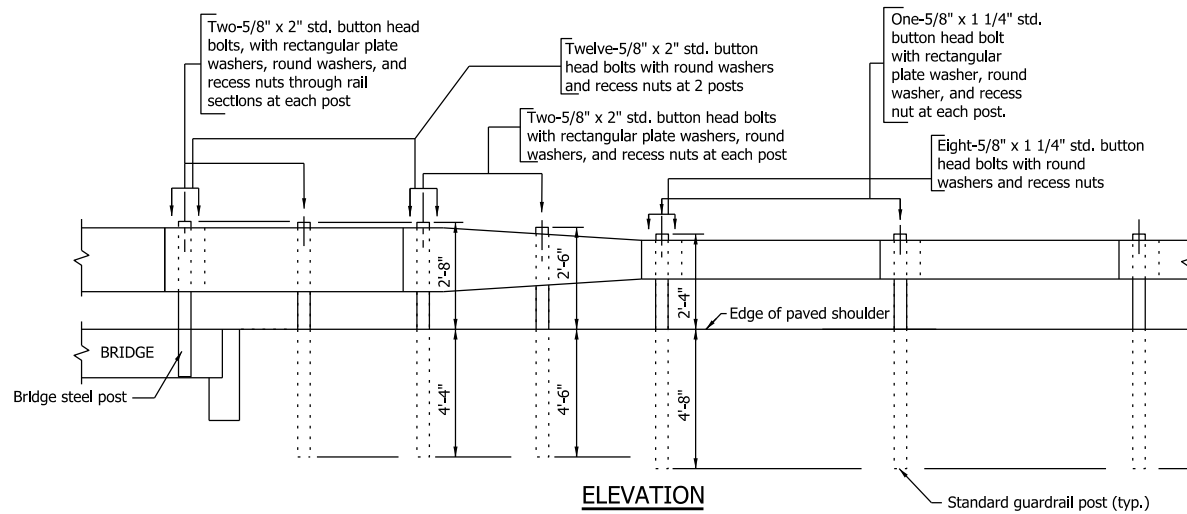
BASE PLATE

INDIANA DEPARTMENT OF TRANSPORTATION

RAILING, TS-1



PLAN VIEW



ELEVATION

NOTES:

1. See Recurring Plan Detail E 706-B-140d 1 of 3, for bridge Steel Post Detail.
2. See Standard Drawings E 601-TBGC-01 and E 601-TBGC-02 for thrie-beam guardrail components.
3. See Standard Drawings E 601-WBGC-01, E 601-WBGC-02 and E 601-WBGC-03 for W-beam guardrail components.

INDIANA DEPARTMENT OF TRANSPORTATION

GUARDRAIL TRANSITION, TGS-1

Division 3:

Project Technical Specifications

For

ELKHART BRIDGE NO. 347 REPLACEMENT

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

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TP1 – UTILITY COORDINATION**1. 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). The Contractor shall be solely responsible the coordination of utility work plans.

2. COORDINATION WITH UTILITIES

The Contractor shall be responsible for utility property and services in accordance with 107.20 of INDOT's Standard Specifications. All 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.

A list of names for the known companies that may have utilities located within the limits of construction in this contract are included below. If any of these utilities are affected, it shall be the Contractor's responsibility to identify and coordinate with that utility.

Brightspeed
6000 Fairview Rd, STE 1200
Charlotte, NC 28210
(916) 204-8802
Jordon Howell
JHowell@Beyler.com

Surf Internet
3325 Middlebury st
Elkhart, IN 46516
(574) 575-4766, (574) 304-0581
Steve Graves
SGraves@surfinternet.com

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.

The Contractor shall be solely responsible the coordination of utility work plans. This includes but is not limited to maintaining an open line of communication with the owners of utilities, tracking the progress of utility relocation work, and scheduling utility coordination meetings.

The Contractor shall document all communication with utilities and maintain a daily log of utility relocation progress. Documentation shall be submitted to the Engineer within 24 hours of written request from the Engineer. Failure to provide documentation will result in a

reduction in pay quantity for this item at the discretion of the Engineer/Owner.

Brightspeed has an existing buried copper cable on the north side of the bridge that transitions to aerial for the creek crossing. The copper cable will be retired and the poles removed. Brightspeed also has a buried fiber optic cable on the south side of the bridge that is attached to the bridge. This cable will be buried along the back of the south right of way east and west of the bridge and will be placed on temporary pole at the creek crossing. Brightspeed will place permanent poles once bridge construction is completed. Brightspeed was issued notice to proceed on May 19, 2026

Surf internet has a buried fiber optic cable in the south right of way that they have confirmed to be at a depth that will be no conflict with this project.

3. PAYMENT

No direct payment shall be made for utility coordination. Utility coordination shall be included in the cost of other items.

TP2 – EARTHWORK

1. GENERAL

- (a) This work shall consist of all earthwork required for the completion of the project as detailed on the plans and in the specifications. This item includes excavation, embankment construction, hauling, disposal and/or compaction of all material not being removed under some other item which is encountered within the limits of the work and also from intersecting entrance approaches beyond the Right-of-Way limits necessary for the construction of the roadway in accordance with the Specifications and in reasonably close conformance with the lines, grades, thickness and typical cross section shown on the plans or as directed.
- (b) Excavation for culverts, ditches, sewers, tunnels, and other approach structures will not be paid for directly, but the cost thereof shall be included in the cost of other pay items. Removal and disposal of piles of broken concrete and similar debris located on the Right-of-Way shall be included in the cost of earthwork. Where surplus material is suitable for use in the roadway or bridge approach embankment, it may be used as allowed by the Engineer.
- (c) Borrow shall consist of approved material required for construction of embankments. No direct payment will be made for borrow required for embankment construction in accordance with lines, grades and typical cross sections specified.
- (d) The work shall include salvaging topsoil and replacement of topsoil for top dressing areas to receive sod or mulch seeding. Contractor shall utilize topsoil

stockpiled as part of the clearing project. Prior to reuse, extraneous material such as stones, roots, or other organics shall be removed from the topsoil.

2. MATERIALS

None.

3. CONSTRUCTION

(a) PAVEMENT REMOVAL

Removal of pavement shall consist of the removal and satisfactory disposal of portland cement concrete pavement; portland cement concrete resurface with its base; or the total of any combination of base, binder, and surface course of any pavement on a portland cement concrete base, including the base. Each complete pavement removed will be considered as a separate item and paid for as such when removed. Pavement removal shall include only the removal and disposal of existing public road, driveway or street and alley pavement as required for the planned construction. Integral curb that is removed with the adjacent pavement shall be paid for as pavement removal. Prior to performing the work of pavement removal at locations indicated on the plans or where directed, concrete pavement to be removed shall be cut with a power-driven concrete saw along designated line. Sawing shall be such that any portion of the pavement to remain in place will not be damaged. Any portion that is damaged or removed outside the designated lines shall be replaced with no additional payment. Sawing of pavement to be removed will not be paid for directly but shall be included in the cost of pavement removal.

(b) EXCAVATION & EMBANKMENTS

Excavation and embankment methods and testing shall conform to the INDOT standard specifications.

4. BASIS OF PAYMENT

Earthwork, including all items noted above and its required testing will be measured as a lump sum pay item

Pay Item

Excavation, Common

Pay Unit

Lump Sum

TP3 – SUBGRADE TREATMENT

1. GENERAL

Subgrade Treatment shall be constructed in accordance with INDOT standard specifications.

2. MATERIALS

Subgrade Treatment shall conform to the INDOT specifications in effect at the time of bidding for the subgrade treatment types identified.

3. CONSTRUCTION

Subgrade treatment shall be installed in accordance with INDOT standard specifications.

4. BASIS OF PAYMENT

Compaction and/or placement of the materials used for subgrade treatment shall be included in the unit price of those items.

Pay Item

Subgrade Treatment, Type IC

Pay Unit

SYS

TP 4 – HMA PAVEMENTS

1. GENERAL

Mainline and shoulder pavements shall conform to current Indiana Department of Transportation (INDOT) Standard Specifications section 402 – Hot Mix Pavement.

2. QUALITY CONTROL

The HMA shall be transported and placed according to the Quality Control Plan QCP submitted by the contractor according to ITM 803. Quality Control Plan shall be submitted to the Engineer 15 days prior to the placement of HMA.

3. ACCEPTANCE OF MIXTURES

Acceptance for V_{be} at N_{des} , and air voids at N_{des} for each asphalt mix will be based on tests performed by the owner's representative. The test should be performed within the 500 ton of mix supplied to the Job and every 1000 ton of surface and 2000 ton of base or intermediate.

The Engineer will select random locations within every 1000 ton for sampling. An acceptance sample will be at the auger of the paving device or a truck sample in accordance with AASHTO R 97.

Acceptance samples will be reduced to the appropriate size for testing in accordance with ITM 587. The binder content and gradation will be determined in accordance with ITM 571.

The maximum specific gravity will be mass determined in water in accordance with AASHTO T 209.

4. CONSTRUCTION REQUIREMENTS

Equipment for the HMA operations shall be in accordance with 409 and shall be listed in the QCP.

5. DENSITY

Acceptance will be based on quantities specified in section 3 ACCEPTANCE OF MIXTURES. Density shall be determined using two random locations selected by the engineer quantity not exceeding 1000 ton of surface and 2000 ton of base or intermediate each day. The core location shall follow guidelines in 401.16. Acceptance is based on maximum specific gravity and shall be within 92-96% MSG.

TP5 – EROSION CONTROL

1. GENERAL

The Contractor is responsible for complying, implementing, updating, and maintaining the approved Storm Water Pollution Prevention Plan and best management practice measures as approved under the Construction Storm Water General Permit (CSGP).

Contractor is required to supply the Owner a copy of all project documentation generated and compiled during the execution of work.

2. MEASUREMENT AND PAYMENT

There shall be no separate payment of Temporary Erosion Control, any work necessary to comply with the Construction Storm Water General Permit (CSGP), inspection and documentation requirements shall be incidental to the Contract and compensation included in the cost of Clearing.

TP6 – MONUMENTS

1. GENERAL

- (a) On roads that will be milled and repaved, all monuments will remain in place and the contractor will work around them.

- (b) On road sections that will be completely removed, the contractor will be required to leave them in place unless the profile of the road will be changed. The owner/inspector will make the decision if the monument needs to be replaced.
- (c) If the monument is to be replaced, the contractor will be required to replace the monument at the cost of the bid item. The replacement will include the removal and disposal of the old monument and all associated materials. The monument must be replaced by a licensed surveyor or by technicians working under the direct supervision of a licensed surveyor.
- (d) Monuments to be used must be approved by the Elkhart County Surveyor.
- (e) Monuments will be marked before work begins on each section of road.
- (f) Extensions may be used if needed.

2. BASIS OF PAYMENT

Monuments will be paid for at the contract unit price per each. Any work necessary to furnish, extend, restore, or replace a monument shall be included in the cost of this item.

<u>Pay Item</u>	<u>Pay Unit</u>
Monument, Type B	EACH
Monument, Type D	EACH

TP7 – COMPACTED AGGREGATE

1. GENERAL

- (a) All compacted aggregate shall be paid under this item regardless whether used as base course for the mainline, as base course for the shoulders, as base course for approaches or as temporary surface.
- (b) All compacted aggregate shall be Compacted Aggregate, No. 53, in accordance with Section 300 – Aggregate Bases.
- (c) Aggregate to maintain temporary access to driveways may be salvaged from existing onsite gravel roads, drives and shoulders.
- (d) It shall be the Contractor’s responsibility to verify that subgrade elevations are in agreement with the plan/profile.

2. CONSTRUCTION

The compacted aggregate shall be constructed in accordance with INDOT Section 300 – Aggregate Bases.

Existing Subgrade (or Previously Constructed Subbase) – Prior to constructing the compacted aggregate, the subgrade shall be cleaned of all foreign substances and shall contain no frozen material. The Subgrade shall receive 6" subgrade treatment in accordance with the Standard Specifications and as directed by the Engineer. The first 6" below the pavement structure subgrade shall be compacted to at least 100% of dry density, as per AASHTO T 99. Compaction shall not be less than 100% of Standard Proctor as per ASTM D 698. It shall be inspected by the Engineer or his representative for adequate compaction and surface tolerances. Ruts or soft, yielding spots having inadequate compaction shall be corrected to the satisfaction of the designated representative.

The compacted aggregate material shall be placed in layers of uniform thickness with an approved spreader.

Layer thickness generally shall not exceed 5 inches after compaction. When vibrating or other approved types of special compacting equipment are to be used, approval may be given for increasing the permissible thickness of layers, provided the ability of such equipment to achieve acceptable compaction to the full layer depth is demonstrated. When the course is constructed in more than one layer, the previously constructed layers shall be cleaned of loose and foreign matter. The water content of the material shall be maintained during placement at the optimum percentage (1 – ½%) as determined by ASTM D 1557.

Compaction – While at optimum moisture (1 – ½%) the compacted aggregate shall be compacted with equipment capable of obtaining the desired density to the full depth. The rolling shall continue until the base is compacted to not less than 100% of the maximum dry density as determined in accordance with AASHTOT99.

Finishing – The surface of the compacted aggregate shall be finished by blading or with automated equipment especially designed for this purpose and rolled with a steel-wheeled roller. In no case will thin layers of fine materials be added to the top layer of the base course in order to meet the grade.

Surface Finish Tolerances – The surface of the completed crushed stone base shall not show any deviation in excess of ½ inch when tested with a 12 foot straight edge. The completed thickness of the base shall be within ½ inch plus or minus of the thickness indicated, and the average thickness shall not be less than the design thickness.

Maintenance – The base shall be maintained in a condition that will meet all specification requirements until the work is accepted.

3. PAYMENT

Payment will be made at the unit price as indicated below:

Pay Item

Compacted Aggregate, No 53

Pay Unit

Ton

TP8 – MAINTENANCE OF TRAFFIC**1. GENERAL**

All signs and traffic control devices shall be in accordance with the Indiana Department of Transportation Standard Specifications and the Indiana MUTCD.

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 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.

“Road Work 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.

2. RESPONSIBILITY

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.

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.

3. RESIDENTIAL AND COMMERCIAL ACCESS

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 and roadways accessible will not be paid for directly but will be included in the Maintenance of Traffic pay item.

4. LANE CLOSURES AND RESTRICTIONS

The timing of any lane restrictions shall be subject to approval by the Engineer. Lane restrictions shall be during daylight hours only unless otherwise approved 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.

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. The practicality, as previously stated, shall be decided by the Engineer.

5. CONDITION OF TRAFFIC CONTROL DEVICES AND DAILY LOGS

A. Construction signs and barricades shall be as per current INDOT standard specifications and drawings, as well as the current Indiana MUTCD, and shall be in new condition for good functioning (i.e. visible, readable, reflective, etc.). Every temporary traffic control device not supported on posts driven into the ground shall be anchored with a minimum of four 30-pound sand bags. Sand bags shall be in new condition and tightly sealed. Torn or leaking sand bags shall be immediately replaced. 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.

B. **The Contractor shall furnish a sign person on a twenty-four (24) hour per day, seven (7) day per week basis with a vehicle** to patrol all areas of the Contract where signs and barricades are in place to affect a lane closure or a diversion of traffic from its normal flow. He (or She), shall make at least one (1) trip every day through the limits of the construction site and keep all traffic controls in proper position and operation. The patrol person shall be capable of making repairs to equipment, including light repairs, battery replacement, arrow board adjustment, barrier wall reflector replacement and arrowboard replacement. **All corrections must be completed within 24 hours.**

The Contractor shall submit to the Engineer a daily log of the sign patrol persons' activities. The daily log shall be submitted in a timely fashion with no more than three (3) days lapsing between the date of the report and the date which the Engineer receives the report. The report shall include date, patrol hours, name of patrol person, contact number, and hourly activities or events.

C. In the event the Contractor fails to submit daily log to the Engineer as mentioned above, there may be deducted from the amount payable to the Contractor by the Owner under this Contract, a penalty of two-hundred and fifty (\$250.00) dollars for each day during which a daily log was not submitted in violation of provisions of this Contract.

In the event the condition or placement of the traffic control devices are found to be in violation of the provisions of this contract, there may be deducted from the amount payable to the Contractor by the Owner under this Contract, a penalty of two-hundred and fifty (\$250.00) dollars for each day the condition and/or placement of the traffic control devices are in violation of the provisions in this contract.

6. PAYMENT

Payment will be made at the unit price as indicated below:

<u>Pay Item</u>	<u>Pay Unit</u>
Maintaining Traffic	LS
Road Closure Sign Assembly	EACH
Detour Route Marker Assembly	EACH
Construction Sign, A	EACH
Construction Sign, B	EACH
Barricade, III-A	LFT
Barricade, III-B	LFT

TP9 – RIGHT-OF-WAY CLEARING

1. GENERAL

Clearing right-of-way shall include the removal and/or trimming of all trees and brush within the permanent right-of-way or construction limits, whichever is greater, or unless specifically identified on the contract plans to remain. Stumps shall be entirely removed and filled with sand.

Incidental to the work shall be the removal of any miscellaneous obstructions within the right-of-way, including but not limited to fence, concrete pads, existing retaining walls, signs and landscape.

The work shall include the removal of portions of existing HMA pavement as indicated by plan details and/or within the construction limits or to the permanent R/W line, whichever is greater.

It is the Contractor's responsibility to adequately inspect the site and clarify the intent of the project prior to submitting a bid.

2. PAYMENT

Items included in this item shall be paid for as Lump Sum under the pay item(s) noted below:

Pay Item
Clearing Right of Way

Pay Unit
LS

Division 4:

Bid Documents

For

ELKHART BRIDGE NO. 347 REPLACEMENT

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

NOTICE TO BIDDERS

Notice is hereby given that the Board of County Commissioners of Elkhart County, Indiana, will receive bids up to **9:00 AM on June 29, 2026** for the **Elkhart Bridge No. 347 Replacement**. 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.elkcohwvy.org** starting at **9:00 AM on June 5, 2026**. 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 **June 5, 2026**. A pre-bid meeting will be held at the Elkhart County Highway Department Office, 610 Steury Ave, Goshen, Indiana at **10:00 AM on June 18, 2026**.

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 96 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, said sheet must contain an authorized signature of the Contractor, and sheet must be the first page of the submittal, 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 96 and the Indiana Department of Transportation pre-qualification 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 **July 29, 2026** and shall be completed by **June 1, 2027**. Delays in completion beyond that date shall result in liquidated damages levied against the Contractor by Elkhart County. The damage charges shall be \$2500 per day per item 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 26th day of May, 2026
Board of County Commissioners of Elkhart County
By Tiara Jackson, Auditor

Advertise: June 3, 2026 and June 10, 2026 - 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 quantities placed. The attached sheet (s) must be completely filled out, submitted with the sealed bid, and must be the first pages of the bid package submittal, 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 listed below.

NOTE: Any Item may be withdrawn by Elkhart County at any time prior to performing the work.

ELKHART COUNTY

BID TOTAL _____ dollars

(\$ _____)

Acknowledge Receipt of Addenda No.(s) _____.

Submitted by: _____
Company

Authorized Signature

Date: _____ Phone: _____

ATTEST: _____

ELKHART COUNTY, INDIANA
BOARD OF COUNTY COMMISSIONERS
Elkhart Bridge No. 347 Replacement
ITEMIZED PROPOSAL

NO.	SPEC. SECTION	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENSION
1	105	CONSTRUCTION ENGINEERING	1.00	LS		
2	110	MOBILIZATION AND DEMOBILIZATION	1.00	LS		
3	201	CLEARING RIGHT-OF-WAY	1.00	LS		
4	202	PRESENT STRUCTURE, REMOVE, STRUCTURE NO.	1.00	LS		
5	202	SIGN, REMOVE	2.00	EACH		
6	203	EXCAVATION, COMMON	1.00	LS		
7	203	EXCAVATION, WATERWAY	220.00	CYS		
8	206	EXCAVATION, WET	105.00	CYS		
9	206	EXCAVATION, FOUNDATION, UNCLASSIFIED	70.00	CYS		
10	206	COFFERDAM	1.00	LS		
11	207	SUBGRADE TREATMENT, TYPE IC	693.00	SYS		
12	211	B BORROW	40.00	CYS		
13	211	STRUCTURE BACKFILL, TYPE 4	13.00	CYS		
14	214	GEOGRID, TYPE IB	110.00	SYS		
15	214	GEOTEXTILE FOR PAVEMENT, TYPE 2B	883.00	SYS		
16	302	SUBBASE FOR PCCP	49.00	CYS		
17	303	COMPACTED AGGREGATE, NO. 53	163.00	TON		
18	303	COMPACTED AGGREGATE, NO. 5	63.00	TON		

ELKHART COUNTY, INDIANA
BOARD OF COUNTY COMMISSIONERS
Elkhart Bridge No. 347 Replacement
ITEMIZED PROPOSAL

NO.	SPEC. SECTION	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENSION
19	304	WIDENING WITH HMA, TYPE C	11.00	TON		
20	306	MILLING, ASPHALT, 1 1/2 IN.	419.00	SYS		
21	401	QC/QA-HMA, 2, 58S, SURFACE, 9.5 mm	86.00	TON		
22	401	QC/QA-HMA, 2, 58S, INTERMEDIATE, 19.0 mm	92.00	TON		
23	401	JOINT ADHESIVE	1020.00	LFT		
24	406	ASPHALT FOR TACK COAT	1.00	TON		
25	601	GUARDRAIL, REMOVE	447.00	LFT		
26	601	GUARDRAIL TRANSITION, TYPE TGS-1, MODIFIED	4.00	EACH		
27	601	GUARDRAIL, MGS W-BEAM, 6 FT 3 IN. SPACING	263.00	LFT		
28	601	GUARDRAIL END TREATMENT, TYPE OS	4.00	EACH		
29	609	REINFORCED CONCRETE BRIDGE APPROACH, 12 IN.	196.00	SYS		
30	615	MONUMENT, TYPE B	8.00	EACH		
31	615	MONUMENT, TYPE D	1.00	EACH		
32	616	RIPRAP, REVETMENT	269.00	TON		
33	616	GEOTEXTILE FOR RIPRAP, TYPE 1A	406.00	SYS		
34	621	MOBILIZATION AND DEMOBILIZATION FOR SEEDING	2.00	EACH		
35	621	EROSION CONTROL BLANKET	866.00	SYS		
36	621	MULCHED SEEDING, TYPE R	866.00	SYS		
37	621	WATER	1.00	KGAL		

ELKHART COUNTY, INDIANA
BOARD OF COUNTY COMMISSIONERS
Elkhart Bridge No. 347 Replacement
ITEMIZED PROPOSAL

NO.	SPEC. SECTION	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENSION
38	621	SODDING	125.00	SYS		
39	701	TEST PILE, INDICATOR, PRODUCTION	102.00	LFT		
40	701	TEST PILE, INDICATOR, RESTRIKE	2.00	EACH		
41	701	PILE, STEEL PIPE, 0.312 IN., DIAMETER 14 IN.	712.00	LFT		
42	701	CONICAL PILE TIP, 14 IN.	19.00	EACH		
43	702	CONCRETE, A, SUBSTRUCTURE	52.70	CYS		
44	703	REINFORCING BARS, EPOXY COATED	51955.00	LBS		
45	703	THREADED TIE BAR ASSEMBLY, EPOXY COATED	37.00	EACH		
46	704	CONCRETE, C, SUPERSTRUCTURE	173.20	CYS		
47	706	RAILING, STEEL TYPE TS-1	166.00	LFT		
48	801	ROAD CLOSURE SIGN ASSEMBLY	4.00	EACH		
49	801	DETOUR ROUTE MARKER ASSEMBLY	24.00	EACH		
50	801	CONSTRUCTION SIGN, TYPE A	16.00	EACH		
51	801	CONSTRUCTION SIGN, TYPE B	2.00	EACH		
52	801	MAINTAINING TRAFFIC	1.00	LS		
53	801	BARRICADE, TYPE III-A	48.00	LFT		
54	801	BARRICADE, TYPE III-B	24.00	LFT		
55	802	SIGN POST, SQUARE, TYPE 1, REINFORCED ANCHOR BASE	10.00	LFT		

<p>ELKHART COUNTY, INDIANA</p> <p>BOARD OF COUNTY COMMISSIONERS</p> <p>Elkhart Bridge No. 347 Replacement</p> <p>ITEMIZED PROPOSAL</p>						
56	802	SIGN, SHEET, RELOCATE	1.00	EACH		
57	808	LINE, MULTI-COMPONENT, SOLID, WHITE, 4 IN.	1100.00	LFT		
58	808	LINE, MULTI-COMPONENT, SOLID, YELLOW, 4 IN.	1100.00	LFT		
59	808	GROOVING FOR PAVEMENT MARKINGS	1604.00	LFT		
	TOTAL BID:					

APPENDICES

For

ELKHART COUNTY BRIDGE NO. 347

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APPENDIX A

For

ELKHART COUNTY BRIDGE NO. 347

APPENDIX A – PERMITS

OWNERS:

ELKHART COUNTY, INDIANA, ACTING THROUGH
ITS BOARD OF COUNTY COMMISSIONERS
ELKHART COUNTY HIGHWAY DEPARTMENT
ENGINEERING SECTION
610 STEURY AVENUE
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Phone: 574-533-0538 • Fax: 574-533-7103



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

100 N. Senate Avenue • Indianapolis, IN 46204
(800) 451-6027 • (317) 232-8603 • Fax (317) 233-6647 • www.idem.IN.gov

Mike Braun
Governor

Clint Woods
Commissioner

May 21, 2026

Mario Soto-Luna
Elkhart County - Highway Department
610 Steury Ave.
Goshen, IN, 46528

Dear Mario Soto-Luna:

Re: NWP – In Scope
Project: Elkhart County - Bridge 347
Replacement
Permit No.: NWP001773
County: Elkhart

The Office of Water Quality has reviewed your Application for Authorization to Discharge Dredged or Fill Material to State Regulated Wetlands or Waters of the U.S. dated and received May 13, 2026. The project is in Elkhart County (Latitude: 41.510904 Longitude: -85.687899) and your application states:

Purpose of Project:

The purpose of the project is to replace the failing bridge to maintain safe travel over Stony Creek while maintaining creek flow.

Activity Description:

Elkhart County is proceeding with the County Bridge 347 Replacement Project that will result in temporary impacts below the Ordinary High-Water Mark (OHWM) of Stony Creek, along with permanent impacts to an emergent wetland, Wetland A. The project includes replacement of the existing single span 51.7 ft L x 29 ft W x 8.5 ft T bridge that carries CR 44 over Stony Creek with a new 86 ft L x 28.4 ft W x 8.6 ft T three-span concrete slab bridge that will span the OHWM of Stony Creek.

Total cumulative permanent impacts to Wetland A include 0.002 ac for the placement of 4.84 cyd of revetment riprap for scour protection.

Visit on.IN.gov/survey or scan the QR code to provide feedback.

We appreciate your input!



Letterhead INDY Temp-01.2025

Total cumulative temporary impacts to water resources include 100 ft (0.04 ac) for placement of 125.1 cyd of dewatering cofferdams.

Temporary impacts along the right bank of Stony Creek include 84 ft (0.02 ac) for the placement of 59.7 cyd of dewatering cofferdam.

Temporary impacts along the left bank of Stony Creek include 92 ft (0.02 ac) for the placement of 65.4 cyd of dewatering cofferdam.

Temporary impacts are anticipated to be placed for 180 days. Temporary impacts to Stony Creek stream bed will be restored to preconstruction conditions with the existing boulder, cobble, gravel, and sand substrate. Temporary impacts above the OHWM of Stony Creek will be restored to preconstruction contours and stabilized with INDOT seed mix R and mulch.

The new County Bridge 347 was designed to span the OHWM of Stony Creek; therefore, there are no permanent impacts below the OHWM of Stony Creek are anticipated. No permanent or temporary impacts to Wetland B are anticipated.

Authorized Impacts

STREAM IMPACT(S)			Length of Impact (linear feet)		
Stream Name:	Permanent Impact:	Type of Impact:	Ephemeral	Intermittent	Perennial
Stony Creek	No, temporary	Cofferdam			84
Stony Creek	No, temporary	Cofferdam			92

WETLAND & OPEN WATER IMPACT(S)			Area of Impact (acres)			
Wetland Name/Waterbody Name	Type of Impact:	Permanent Impact:	Open Water	Emergent	Scrub/Shrub	Forested
Wetland A	Riprap	Yes		0.002		
Wetland A	Filter Sock	No, temporary		0.0004		

It is the judgment of this office that the project will qualify for a Section 401 General Water Quality Certification. For more information on General 401 Water Quality Certifications visit <https://www.in.gov/idem/waterways/information-about/section-401-water-quality-certification/section-401-us-army-corps-of-engineers-permits-overview/>

If you have any questions about this letter, contact me by e-mail at ESarles@idem.IN.gov.

cc: David Duncan, Lochmueller Group
USACE – Detroit Regulatory District

APPENDIX B

For

ELKHART COUNTY BRIDGE NO. 347

APPENDIX B – GEOTECH REPORT

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

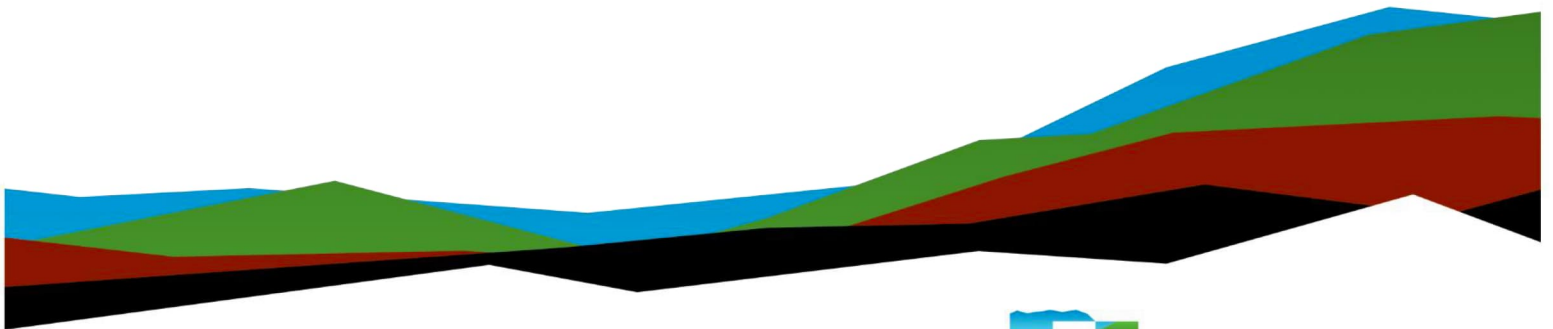
CR 44 over Stony Creek

Geotechnical Engineering Report

April 1, 2026 | Terracon Project No. CJ255365

Prepared for:

Lochmueller Group, Inc.
112 West Jefferson Blvd, Suite 500
South Bend, Indiana 46601



Nationwide
[Terracon.com](https://www.terracon.com)

- Facilities
- Environmental
- Geotechnical
- Materials

April 1, 2026

Lochmueller Group, Inc.
112 West Jefferson Blvd, Suite 500
South Bend, Indiana 46601

Attn: Jennifer Pittman, P.E.
P: (574)-334-5475
E: JPittman@lochgroup.com

Re: Geotechnical Engineering Report
CR 44 over Stony Creek
Structure No. 20-00347 B
Elkhart County, Indiana
Terracon Project No. CJ255365

Dear Jennifer,

We have completed the scope of Geotechnical Engineering services for the above referenced project in general accordance with Terracon Proposal No. PCJ255365 dated September 16, 2025. The opinions and recommendations herein are based, in part, on our interpretation of the subsurface information at the exploratory locations as indicated on the attached Test Boring Location Plan (Drawing No. CJ255365.A1). This report does not reflect variations in subsurface conditions between or beyond these locations. Variations in these conditions should be expected, and fluctuation of the groundwater levels will occur with time. Other important limitations of a geotechnical report are attached.

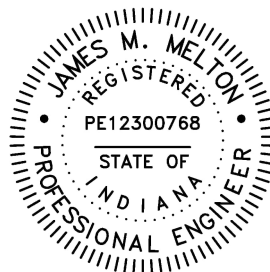
We appreciate the opportunity to be of service to you on this project. If you have any questions concerning this report or if we may be of further service, please contact us.

Sincerely,

Terracon Consultants, Inc.



William D. Hurdle, E.I.
Staff Engineer



James Matt Melton, P.E.
Senior Engineer

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Attachments

- Exploration and Testing Procedures**
- Test Boring Location Plan**
- Exploration and Laboratory Results**
- Supporting Information**

Refer to each individual Attachment for a listing of contents.

Introduction

This report presents the results of our subsurface exploration and Geotechnical Engineering services performed for the proposed bridge replacement carrying CR 44 over Stony Creek. The purpose of our services was to provide information and geotechnical engineering recommendations relative to:

- Surface conditions,
- Subsurface soil conditions,
- Groundwater conditions,
- Site and foundation soil preparation,
- Embankment widening,
- Structure foundations,
- Seismic considerations, and
- Construction considerations.

Our scope of services for this project included the advancement of soil borings, laboratory testing, engineering analysis, and preparation of this report.

Drawings showing the site and boring locations are shown on the [Test Boring Location Plan](#). The results of the laboratory testing performed on soil samples obtained from the site during our field exploration are included on the boring logs and/or as separate graphs in the [Exploration and Laboratory Results](#) section.

Project Description

We understand that the Commissioners of Elkhart County are planning to replace the existing structure carrying CR 44 over Stony Creek (Structure No. 20-00347 B). Based on the PFC plans provided by Lochmueller Group, Inc. (Lochmueller), the proposed structure is anticipated to consist of a three-span reinforced concrete slab bridge with fixed end bents. Spill through slopes at the end bent are planned to be established at 2H:1V and capped with 18 in. of revetment riprap. The flowline of the creek is near El. 839. Per our correspondence with Lochmueller, the Q_{100} and Q_{500} scour elevations are near El. 824 and El. 818, respectively. We understand that the proposed bridge is planned to be supported by deep foundation elements. Per our correspondence with Lochmueller, we understand that the maximum load per pile is 170 and 160 kips at end bents 1 and 4, respectively, and 210 and 215 kips at interior piers 2 and 3, respectively.

The project begins and ends at Sta. 13+73 and Sta. 17+00, respectively, along Line "A". Incidental construction consisting of widening and transition milling and overlay is planned for 173 ft east of the project extents and 50 ft west of the project extents. Improvements within the project limits are planned to consist of full-depth pavement replacement and widening. The proposed typical section consists of two 10-ft wide lanes with 4 ft-wide shoulders on each side of the road. Widening of the existing section is planned to accommodate the proposed typical section. We anticipate that the county will use a standard pavement design section for this project.

Grade changes along the existing roadway are planned to be less than 1 ft. Based on our review of the cross sections, ditches are planned to be cut on both sides of the roadway west of the proposed structure and on the right side of the road east of the proposed structure. The maximum earth cuts associated with these ditches is planned to be approximately 3 ft, and the ditches are typically planned to be established at 2H:1V or shallower. Additionally, fill heights of up to 2 ft are planned to accommodate minor embankment widening. The embankments are typically planned to be established at 2H:1V or shallower. However, slopes of up to 1.4H:1V are planned east of the proposed structure to match the existing slope.

Maintenance of traffic is planned to be accomplished via road closure and detour. At this time, other information such as the construction schedule is not known. In the event that the nature, design or location of the proposed construction changes, the conclusions and recommendations contained in this report shall not be considered valid unless the changes are reviewed, and the conclusions are modified or confirmed in writing.

Discussion of Observations

Surface and Subsurface Conditions

The surface conditions at Borings TB-1 and TB-2 indicated approximately 7 to 9 in. of HMA underlain by 2 to 4 in. of sand and gravel subbase.

The subsurface conditions generally consisted of granular soils described as fill to depths of approximately 9 ft underlain by alternating layers of cohesive and granular soils. The alternating layers of granular and cohesive soils typically transitioned to cohesive soils to the maximum depths explored below depths of approximately 27 to 42 ft below the existing ground surface (i.e., El. 822 to El. 810). The cohesive soils primarily consisted of soils with AASHTO designations of A-7-6 and A-6 and textural classifications of clay and silty clay. The following table summarizes the laboratory testing results for the cohesive soils.

Table 1: Summary of Laboratory Testing Results for Cohesive Soils

Soil Type	A-7-6, Clay	A-6, Silty Clay	Clay Loam, Visual
Plasticity, Liquid Limit	High	Medium	Not Tested
Plasticity Indices (PI)	41	25	
	24	11	
Typical Consistency²	Stiff to Hard	Stiff to Hard	Medium Stiff to Hard
Typical Moisture Content Range (%)	11 to 26	14 to 28	7 to 12
Typical Hand Penetrometer Readings Range (tons/sq ft [tsf])	3½ to 4½	1½ to 3½	1 to 3
In-situ Dry Density (lbs/cu ft)	Not Tested	104	124 and 129
Undrained Shear Strength¹ (tsf)	Not Tested	¾	¾ to 1¾

1. Estimated from unconfined compression tests on split spoon samples (using $\phi = 0$ approach)
2. Based on SPT N-value criteria established by INDOT.

Index testing indicated that the granular soil is typically composed of A-2-4 sandy loam and A-3 sand. As mentioned, granular fill soils were typically observed to depths of approximately 9 ft below the existing ground surface (i.e., El. 840 to El. 843). The relative density of the granular fill was typically medium dense in terms based on SPT N-value criteria established by INDOT. The natural granular soil was typically described as medium dense to very dense.

For additional details on the subsurface conditions observed at the test boring locations and laboratory testing, refer to the Log of Test Borings, Grain Size Distribution Test Reports, and Unconfined Compression Tests included in the [Exploration and Laboratory Results](#).

Groundwater Conditions

Groundwater was observed at both of the exploratory locations. Groundwater was typically observed near the flowline of the creek. Refer to the table below for summary of groundwater observations at the test borings.

Table 2: Summary of Groundwater Observations

Boring No.	Observed Groundwater Depth / Elevation (ft)	
	Encountered	At Completion
TB-1	7½ / 841½	8 / 841
TB-2	15½ / 836½	12 / 840

Our review of the *Soil Survey of Elkhart County, Indiana* indicates a potential for a seasonal high groundwater level at the natural ground surface. It should be recognized that groundwater levels will fluctuate due to changes in precipitation, infiltration, surface run-off, flow of the creek, and other hydrogeological factors.

Discussion and Recommendations

Based on our understanding of the planned improvements and information obtained from the exploratory locations, it is our opinion that the subsurface conditions are conducive for the support of the proposed improvements. The primary risk from a geotechnical perspective is associated foundation soil deteriorating in the presence of water and sloughing of proposed embankment slopes. The following sections provide additional discussion and recommendations regarding these risks.

The recommendations contained in this report are based upon the results of field and laboratory testing (presented in the **Exploration Results**), engineering analyses, and our current understanding of the proposed project. The **General Comments** section provides an understanding of the report limitations.

Site and Foundation Soil Preparation

We recommend that all existing pavement components, surficial soils with root matter, and wet or soft near-surface soils be removed from within the construction limits. We recommend that utilities in conflict with the proposed construction be appropriately abandoned or relocated. Where utilities (if any) are relocated or abandoned, we recommend that the resulting excavations be backfilled with B Borrow per ISS 203.09 and compacted to 100 percent of the Standard Proctor density (AASHTO T-99).

In general, the subsurface conditions within the depth of interest (i.e., upper 5 ft) along the existing roadway consist of medium dense granular fill soils with interbedded cohesive seams. Given the length of the project and the presence of granular soils, we are of the opinion that proofrolling may not be practical. In lieu of proofrolling, consideration may be given to the use of alternative means (e.g., dynamic cone penetrometer) to evaluate the foundation soil. We recommend that the subgrade treatment and new pavement components be placed soon after the foundation soil is evaluated in order to reduce the risk of the foundation soil deteriorating due to precipitation or construction traffic. We recommend that the granular soils be compacted in-place before the placement of new fill and subgrade treatment.

Based on the subsurface conditions observed, we do not anticipate that widespread yielding conditions will be encountered. However, based on the proximity to the creek and the granular soils observed, dewatering may be challenging. As such, the cohesive seams observed within the depth of interest may deteriorate if exposed to excessive moisture and repeated construction traffic. Where isolated yielding conditions are observed, or otherwise stiff foundation soil deteriorates, we recommend the following foundation soil improvements:

1. Undercut 12 in. below the subgrade elevation or fill elevation,
2. Re-establish the grade with 12 in. of B borrow,
3. Apply subgrade treatment or place new fill.

For estimation purposes, we recommend that you include a quantity of foundation soil improvements, as discussed above, equal to 20 percent of the total subgrade area of new pavement components and new fill in the contract documents. The final decision regarding the depth of undercuts will be made by others at the time of construction based on the conditions encountered.

Embankment Considerations

As mentioned earlier, up to 2 ft of fill is planned to accomplish minor embankment widening. Standard embankment construction practices outlined in the ISS are adequate for the embankment construction provided the foundation soil is prepared as discussed above. In addition, we recommend that the fill used to raise grades be placed in loose lift thicknesses not exceeding 8 in. We recommend that the fill placed to raise the grades be compacted to 95 percent of the maximum density obtained in accordance with AASHTO T 99 as specified in the ISS. In addition, benches should be cut into any existing slopes steeper than 6H:1V before fill placement so as to key the new fill into the slope. Given the nature of the project and shallow embankment heights, we recommend benches having a minimum width of 6 ft.

Because of the presence of granular fill soils in the existing embankment, care should be taken during benching so as to not cause instability and disturb the existing roadway. The source and type of borrow to be used for the fill is not known at this time. We understand that the quality and source of the borrow will be evaluated in the field by others.

Sideslopes for the embankment are typically planned to be established at 2H:1V or flatter. However, slopes as steep as 1.4H:1V are planned to match the existing slope. Based on our observations of the soil conditions, the limited amount of fill planned, and the existing slope, it is our opinion that the stability of the proposed side slopes at the embankment are generally not a concern regarding global instability, provided adequate foundation soil preparation and compaction of the fill soils is achieved. For sideslopes planned at 2H:1V or steeper, surficial sloughing will occur requiring routine maintenance. To minimize sloughing and erosion, consideration may be given to protecting the face of the slopes via aggressively growing vegetation or riprap.

Bridge Foundation Considerations

As previously discussed, the subsurface conditions at the test borings consisted of alternating layers of granular and cohesive soils underlain by cohesive soils to the maximum depths explored. Unconfined compressive testing on cohesive samples indicated undrained shear strengths of approximately 1½ to 3½ kip/sq ft (ksf). Relative density of the granular soils was typically described as medium dense to very dense based on SPT N-value established by INDOT.

Based on our review of the subsurface conditions, we recommend the use of closed ended 14-in. diameter SEC pipe piles (0.312-in. thick wall) at the bridge structure. Static analyses were performed using Apile and the Brown method. Based on our review of the subsurface conditions, we estimate that pipe piles will achieve their nominal resistance via combined skin friction and end bearing. The information provided in Table 3 considers a factored design load (Q_f) of 170 and 160 kips at end bents 1 and 4, respectively, and 210 and 215 kips at interior piers 2 and 3, respectively, as provided by Lochmueller via our correspondence. Based on our correspondence with Lochmueller, we understand that four piles are planned at end bent 1, and five piles are planned at end bent 4 and the interior piers. A 20 percent reduction factor has been applied to the piles at end bent 1 in accordance with IDM 408-3.01 as four or fewer piles are planned. We recommend a resistance factor of 0.55, which is based on the dynamic formula, to evaluate driving resistance. Refer to the table below for a summary of pile driving resistances.

Table 3: Summary of Design and Pile Driving Resistances (14 in. x 0.312 in. dia)

Bent Location	End Bent 1	Pier 2	Pier 3	End Bent 4
Factored Design Load, Q_F (kip)	170	210	215	160
Factored Design Soil Resistance - R_R (kips)	170	210	215	160
Resistance Factor ϕ_{dyn}^*	0.44***	0.55	0.55	0.55
Downdrag Load - DD (kips)	Negligible	Negligible	Negligible	Negligible
Nominal Soil Resistance - R_n (kips)	386	382	391	291
Downdrag Friction - R_{sdd} (kips)	Negligible	Negligible	Negligible	Negligible
Relaxation (kips)	n/a	n/a	n/a	n/a
Scour Zone Friction - $R_{s\ scour}$ (kips)	n/a	16	18	n/a
Nominal Driving Resistance - R_{ndr} (kips)	386	398	409	291
Anticipated Pile Driving Elevation	845	835	835	846
Minimum Pile Tip Elevation**	n/a	808	808	n/a
Estimated Pile Tip Elevation	810	800	800	815

*Based on 701.05(a)

**Based on IDM Figure 408-3D

***20 percent reduction applied for four or fewer piles in accordance with IDM 408-3.01

Due to inherent variations in the subsurface conditions, nominal pile resistances will be achieved at varying depths, even for piles at the same bent. We recommend that the piles be spaced no closer than three times the pile width or 3½ ft as specified by IDM 408-3.04(02). We recommend that an indicator pile be driven at each substructure location in accordance with ISS 701.05(a) and re-struck 72 hrs after initial driving. Additionally, we recommend the use of conical pile tips in accordance with ISS 701.04.

Seismic Considerations

For your consideration of seismic loads, we recommend the information provided in the table below in accordance with Section 3.10.3.1 of the AASHTO LRFD Bridge Design Specifications, 2020.

Table 4: Summary of Seismic Design Parameters

Parameter	Value
Site Class	D
Peak Ground Acceleration (PGA)	0.033
Seismic Response Parameter (S_{D1})	0.082
Seismic Zone	1

Construction Considerations

Excavations made for the project may require: 1) cut slopes adequate to prevent cave-ins/subsidence; or 2) braced excavations for safe construction operation. All excavations should conform with Occupational Safety and Health Administration (OSHA) requirements (i.e., 29 CFR Part 1926). Additionally, soil should not be stockpiled immediately adjacent to the top of the excavation.

Groundwater was typically observed near the flowline of the creek (i.e., El. 839). Note that the underlying foundation soils within the anticipated depth of excavation consist of predominantly granular soils. The abutments are planned to be established near El. 845 and El. 847. Because of the close proximity to the creek and the granular nature of the soils, the groundwater level will be directly related to the flow in the creek at the time of the construction. Note that dewatering in granular soils will be challenging. Where groundwater is encountered in an excavation in granular soils, dewatering efforts are anticipated to require the use of high-volume sump pumps in cased pits to keep foundation excavations “in the dry”. Note that if the granular soils are excavated in a wet condition, sloughing and loosening will result in a reduction of their ability to support loads. The scope of this evaluation was not to provide dewatering recommendations for contractors. Dewatering is a responsibility of the contractor based on their means and methods.

General Comments

Our analysis and opinions are based upon our understanding of the project, the geotechnical conditions in the area, and the data obtained from our site exploration. Variations will occur between exploration point locations or due to the modifying effects of construction or weather. The nature and extent of such variations may not become evident until during or after construction. Terracon should be retained as the geotechnical engineer to provide observation and testing services during pertinent construction phases. If variations appear, we can provide further evaluation and supplemental recommendations. If variations are noted in the absence of our observation and testing services on-site, we should be immediately notified so that we can provide evaluation and supplemental recommendations.

Our Scope of Services does not include either specifically or by implication any environmental or biological (e.g., mold, fungi, bacteria) assessment of the site or identification or prevention of pollutants, hazardous materials or conditions. If the owner is concerned about the potential for such contamination or pollution, other studies should be undertaken.

Our services and any correspondence are intended for the sole benefit and exclusive use of our client for specific application to the project discussed and are accomplished in accordance with generally accepted geotechnical engineering practices with no third-party

Geotechnical Engineering Report

CR 44 over Stony Creek | Elkhart County, Indiana

April 1, 2026 | Terracon Project No. CJ255365



beneficiaries intended. Any third-party access to services or correspondence is solely for information purposes to support the services provided by Terracon to our client. Reliance upon the services and any work product is limited to our client and is not intended for third parties. Any use or reliance of the provided information by third parties is done solely at their own risk. No warranties, either express or implied, are intended or made.

Site characteristics as provided are for design purposes and not to estimate excavation cost. Any use of our report in that regard is done at the sole risk of the excavating cost estimator as there may be variations on the site that are not apparent in the data that could significantly affect excavation cost. Any parties charged with estimating excavation costs should seek their own site characterization for specific purposes to obtain the specific level of detail necessary for costing. Site safety and cost estimating including excavation support and dewatering requirements/design are the responsibility of others. Construction and site development have the potential to affect adjacent properties. Such impacts can include damages due to vibration, modification of groundwater/surface water flow during construction, foundation movement due to undermining or subsidence from excavation, as well as noise or air quality concerns. Evaluation of these items on nearby properties are commonly associated with contractor means and methods and are not addressed in this report. The owner and contractor should consider a preconstruction/precondition survey of surrounding development and/or vibration monitoring.

Geotechnical Engineering Report

CR 44 over Stony Creek | Elkhart County, Indiana

April 1, 2026 | Terracon Project No. CJ255365



Attachments

- Exploration and Testing Procedures
- Test Boring Location Plan
- Exploration and Laboratory Results
- Supporting Information

Exploration and Testing Procedures

Field Exploration

Number of Borings	Approximate Boring Depth (ft)	Location
2	90	Structure

These exploratory locations were selected by Terracon. The field activities were performed on February 5 and February 9, 2026.

Boring Layout and Elevations: Terracon personnel performed the boring layout using handheld GPS equipment (estimated horizontal accuracy of about ± 8 ft). Elevations estimated based on cross-sections provided in the plans.

Subsurface Exploration Procedures: We advanced the borings with a truck mounted rotary drill rig using continuous hollow stem flight augers. Representative samples of the soil were obtained using Standard Penetration Test (SPT) procedures. Samples were obtained at 2½ ft intervals to 20 ft and at 5 ft intervals thereafter. After obtaining groundwater observations, each borehole was backfilled with auger cuttings and bentonite chips and the pavement was repaired with a patch.

Following the field activities, the soil samples were visually classified by a Terracon assistant geologist and were reviewed by a Terracon engineer. After visually classifying the soils, representative samples were selected for index property and strength testing.

The boring logs represent our interpretation of the individual samples, field logs, and results of the laboratory tests. The stratification lines on the boring logs represent the approximate boundary between soil types; although, the transition may be gradual.

Geotechnical Engineering Report

CR 44 over Stony Creek | Elkhart County, Indiana

April 1, 2026 | Terracon Project No. CJ255365



Laboratory Testing

Soil descriptions on the boring logs are in general accordance with the AASHTO Soil Classification System [AASHTO designation, e.g. A-7-6(21)] and the ISS (textural classification, e.g. clay).

Our laboratory testing program included the following:

- Hand penetrometer readings,
- Natural moisture content,
- Atterberg limits,
- Unit weight,
- Grain size analyses, and
- Unconfined compression tests.

Geotechnical Engineering Report

CR 44 over Stony Creek | Elkhart County, Indiana

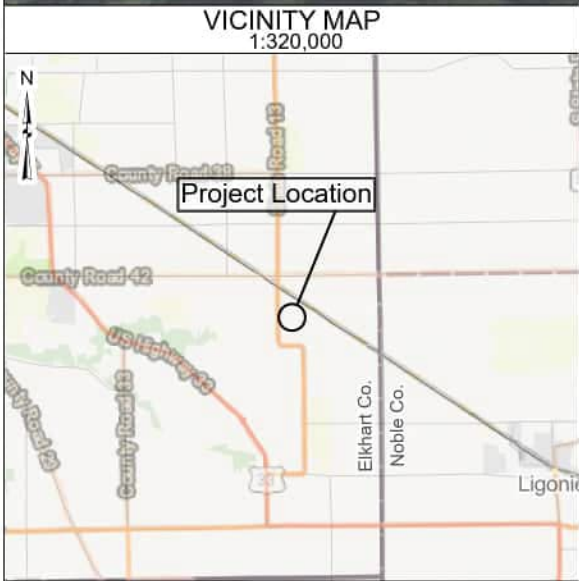
April 1, 2026 | Terracon Project No. CJ255365



Test Boring Location Plan

Contents:

Test Boring Location Plan (Drawing No. CJ255365.A1)



- NOTES**
1. Base map developed using aerial imagery from Bings Maps Hybrid Basemaps. Aerial imagery may not reflect current site conditions.
 2. Line work provided by Lochmueller Group, Inc.
 3. Vicinity map generated using data from Indiana Geological and Water Survey and Esri.
 4. Test boring locations marked in the field by Terracon Consultants, Inc.
 5. Test boring locations are approximate.

LEGEND

	Test Boring Location and Designation
--	---

TEST BORING LOCATION PLAN

PROJECT: CR 44 over Stony Creek LOCATION: Elkhart County, IN CLIENT: Lochmueller Group, Inc. STRUCTURE NO.: 20-00347 B TCI PROJECT NO.: CJ255365 SCALE: 1 in. = 100 ft	PROJECT ENG.: WH REVIEWED BY: JMM DRAWN BY: MA DATE: 03/26/2026 DRAWING NO.: CJ255365.A1
---	---



C:\Users\jstevens\OneDrive\Documents\CJ255365\Drawings\CJ255365.A1.dwg

Exploration and Laboratory Results

Contents:

Log of Test Boring (2)

Grain Size Distribution Test Report

Unconfined Compression Test Results (3)

Note: All attachments are one page unless noted above



LOG OF TEST BORING

BORING NO.: **TB-1**
 SHEET: 1 OF 3
 LATITUDE: 41.51094
 LONGITUDE: -85.68796
 DATUM: WGS 84
 DATE STARTED: 02-09-26
 DATE COMPLETED: 02-09-26

CLIENT: Lochmueller Group, Inc.
 DES NO.: --- STRUCTURE #: 20-00347 B
 PROJECT TYPE: Bridge Replacement
 LOCATION: CR 44 over Stony Creek
 COUNTY: Elkhart PROJECT NO.: CJ255365

ELEVATION: <u>849.0</u>	BORING METHOD: <u>Hollow Stem Auger</u>	HAMMER: <u>Auto</u>
STATION: <u>15+03</u>	RIG TYPE: <u>CME 55 Truck</u>	DRILLER/INSP: <u>D.C.</u>
OFFSET: <u>3.0 ft Left</u>	CASING DIA.: <u>---</u>	TEMPERATURE: <u>29 °F</u>
LINE: <u>'A'</u>	CORE SIZE: <u>---</u>	WEATHER: <u>Cloudy</u>
DEPTH: <u>90.0 ft</u>		

GROUNDWATER: Encountered at 7.5 ft At completion 8.0 ft Caved in at 8.0 ft

ELEVATION	SAMPLE DEPTH	SOIL/MATERIAL DESCRIPTION	SAMPLE NUMBER	SPT per 6"	% RECOVERY	MOISTURE CONTENT	DRY DENSITY, pcf	POCKET PEN., tsf	UNCONF. COMP., tsf	ATTERBERG LIMITS			REMARKS
										LL	PL	PI	
		Asphaltic Concrete 0.7											
		Granular Subbase, (sand) 0.9											
845.0	2.5		SS 1	19-17-10	89								
845.0	5.0	Sandy Loam , medium dense, moist to wet below 7.5 ft, brown, with cohesive seams near 6 ft, with some gravel near 7 ft, (fill), A-2-4(0)	SS 2	10-11-14	56								
	7.5		SS 3	9-10-7	67	15.4		1.5					
840.0	9.0		SS 4	9-6-7	56	15.2		0.75					
	10.0	Sandy Loam , medium stiff to stiff, moist, brown	SS 5	8-8-8	67	13.0		1.75					
	12.5		SS 6	19-15-18	56					NP	NP	NP	
835.0	13.0		SS 7	8-10-10	78								
	15.0	Sandy Loam , dense to medium dense, wet, brown, with some gravel near 17 ft, A-2-4(0)	SS 8	6-8-8	78								
	17.5		SS 9	21-31-26	78								
830.0	18.0		SS 10	18-42-40	67	7.3		>4.5					
	20.0	Gravelly Sand , medium dense, wet, brown											
	22.0												
825.0	22.5												
	25.0	Sand , very dense, wet, brown											
	27.0												
820.0	27.5												
	30.0	Clay Loam , stiff to hard, moist, gray, with sandy loam seam near 33.5 ft											

EEL BORING LOG (INDOT FORMAT) LAT./LONG. C:\255365\INDOT.GPJ IN_DOT1.GDT 3/27/26

Continued on next page



LOG OF TEST BORING

BORING NO.: **TB-1**
 SHEET 2 OF 3
 LATITUDE : 41.51094
 LONGITUDE : -85.68796
 DATUM : WGS 84

CLIENT : Lochmueller Group, Inc.
 DES NO. : --- STRUCTURE # : 20-00347 B

PROJECT TYPE : Bridge Replacement

ELEVATION	SAMPLE DEPTH	SOIL/MATERIAL DESCRIPTION	SAMPLE NUMBER	SPT per 6"	% RECOVERY	MOISTURE CONTENT	DRY DENSITY, pcf	POCKET PEN., tsf	UNCONF. COMP., tsf	ATTERBERG LIMITS			REMARKS
										LL	PL	PI	
815.0	32.5	Clay Loam , stiff to hard, moist, gray, with sandy loam seam near 33.5 ft	SS 11	12-13-16	56	12.1	124.1	1.75	1.51				
35.0													
		37.0											
810.0	37.5	Clay , stiff to hard, moist, gray, A-7-6	SS 12	10-14-20	67	20.5		>4.5					
40.0													
805.0	42.5		SS 13	12-15-16	67	23.0		>4.5					
45.0													
800.0	47.5		SS 14	12-16-19	78	19.6		3.5		41	17	24	
50.0													
795.0	52.5		SS 15	10-15-17	67	26.0		1.25					
55.0													
790.0	57.5		SS 16	9-15-15	67	19.8		2.25					
60.0													
		59.0											
785.0	62.5	Silty Clay , stiff to very stiff, moist, gray, with clay loam seam near 83.5 ft	SS 17	7-12-13	56	20.7		2.25 3.0					
65.0													

EEL BORING LOG (INDOT FORMAT) LAT./LONG. C:\255365\INDOT.GPJ IN_DOT1.GDT 3/27/26

Continued on next page



LOG OF TEST BORING

CLIENT : Lochmueller Group, Inc.
 DES NO. : --- STRUCTURE # : 20-00347 B

BORING NO.: TB-1
 SHEET 3 OF 3
 LATITUDE : 41.51094
 LONGITUDE : -85.68796
 DATUM : WGS 84

PROJECT TYPE : Bridge Replacement

ELEVATION	SAMPLE DEPTH	SOIL/MATERIAL DESCRIPTION	SAMPLE NUMBER	SPT per 6"	% RECOVERY	MOISTURE CONTENT	DRY DENSITY, pcf	POCKET PEN., tsf	UNCONF. COMP., tsf	ATTERBERG LIMITS			REMARKS
										LL	PL	PI	
780.0	70.0	Silty Clay , stiff to very stiff, moist, gray, with clay loam seam near 83.5 ft	SS 18	11-12-15	78	23.3	104.0	1.25	1.53				
775.0	75.0		SS 19	10-15-15	67	15.5		2.25					
770.0	80.0		SS 20	9-10-11	67	19.2		1.25					
765.0	85.0		SS 21	10-13-20	78	18.7		3.5					
760.0	90.0		SS 22	12-17-18	78	18.2		2.25					
		Bottom of Boring at 90.0 ft											

EEL BORING LOG (INDOT FORMAT) LAT./LONG. C:\255365\INDOT.GPJ IN_DOT1.GDT 3/27/26



LOG OF TEST BORING

BORING NO.: **TB-2**
 SHEET: 1 OF 3
 LATITUDE: 41.51085
 LONGITUDE: -85.68784
 DATUM: WGS 84
 DATE STARTED: 02-05-26
 DATE COMPLETED: 02-05-26

CLIENT: Lochmueller Group, Inc.
 DES NO.: --- STRUCTURE #: 20-00347 B
 PROJECT TYPE: Bridge Replacement
 LOCATION: CR 44 over Stony Creek
 COUNTY: Elkhart PROJECT NO.: CJ255365

ELEVATION: <u>852.0</u>	BORING METHOD: <u>Hollow Stem Auger</u>	HAMMER: <u>Auto</u>
STATION: <u>15+49</u>	RIG TYPE: <u>CME 55 Truck</u>	DRILLER/INSP: <u>D.C.</u>
OFFSET: <u>5.0 ft Right</u>	CASING DIA.: <u>---</u>	TEMPERATURE: <u>22 °F</u>
LINE: <u>'A'</u>	CORE SIZE: <u>---</u>	WEATHER: <u>Snow</u>
DEPTH: <u>90.0 ft</u>		

GROUNDWATER: Encountered at 15.5 ft At completion 12.0 ft Caved in at 12.5 ft

ELEVATION	SAMPLE DEPTH	SOIL/MATERIAL DESCRIPTION	SAMPLE NUMBER	SPT per 6"	% RECOVERY	MOISTURE CONTENT	DRY DENSITY, pcf	POCKET PEN., tsf	UNCONF. COMP., tsf	ATTERBERG LIMITS			REMARKS
										LL	PL	PI	
		0.6 Asphaltic Concrete											
		0.9 Granular Subbase, (sand)											
850.0	2.5		SS 1	39-19-10	67	9.4		2.0					
	5.0	Sandy Loam , medium dense, moist, brown, with some gravel, with cohesive seams near 2 ft, 4 ft, and 7 ft, (fill)	SS 2	6-7-8	33	8.3		1.0					
845.0	7.5		SS 3	7-11-9	56	10.2		0.5					
	10.0	9.0	SS 4	14-7-10	67	10.9		3.0					
840.0	12.5	Clay Loam , medium stiff to very stiff, moist, brown	SS 5	9-10-13	67	12.7		0.75					
	15.0		SS 6	29-50/5	93	11.7	128.6	2.75	3.48				
	17.5	16.0	SS 7	15-14-13	56								
835.0	20.0		SS 8	6-8-7	100								
	22.5	Sand , medium dense to dense, wet, brown, A-3(0)	SS 9	10-12-12	89						NP	NP	NP
830.0	25.0		SS 10	11-12-17	89								
825.0	27.5												
	30.0												

EEL BORING LOG (INDOT FORMAT) LAT./LONG. CJ255365 INDOT.GPJ IN_DOT1.GDT 3/27/26

Continued on next page



LOG OF TEST BORING

BORING NO.: **TB-2**
 SHEET 2 OF 3
 LATITUDE : 41.51085
 LONGITUDE : -85.68784
 DATUM : WGS 84

CLIENT : Lochmueller Group, Inc.
 DES NO. : --- STRUCTURE # : 20-00347 B

PROJECT TYPE : Bridge Replacement

ELEVATION	SAMPLE DEPTH	SOIL/MATERIAL DESCRIPTION	SAMPLE NUMBER	SPT per 6"	% RECOVERY	MOISTURE CONTENT	DRY DENSITY, pcf	POCKET PEN., tsf	UNCONF. COMP., tsf	ATTERBERG LIMITS			REMARKS	
										LL	PL	PI		
820.0	32.5	Sand , medium dense to dense, wet, brown, A-3(0)	SS 11	15-15-16	78									
815.0	37.5													
810.0	40.0		SS 12	11-17-15	78									
810.0	42.5	Clay , hard, moist, gray	SS 13	30-28-32	67	11.6		>4.5						
805.0	45.0													
800.0	47.5													
800.0	50.0		SS 14	19-16-17	67	13.5		>4.5						
800.0	52.5	Silty Clay , stiff to hard, moist, gray, A-6-(8)	SS 15	21-20-24	56	13.1		>4.5						
795.0	55.0													
795.0	57.5		SS 16	8-13-16	56	15.7		3.0						
790.0	60.0		SS 17	11-12-15	56	14.4		3.0						
790.0	62.5													
65.0	65.0													

EEL BORING LOG (INDOT FORMAT) LAT.,LONG. C:\255365\INDOT.GPJ IN_DOT1.GDT 3/27/26

Continued on next page



LOG OF TEST BORING

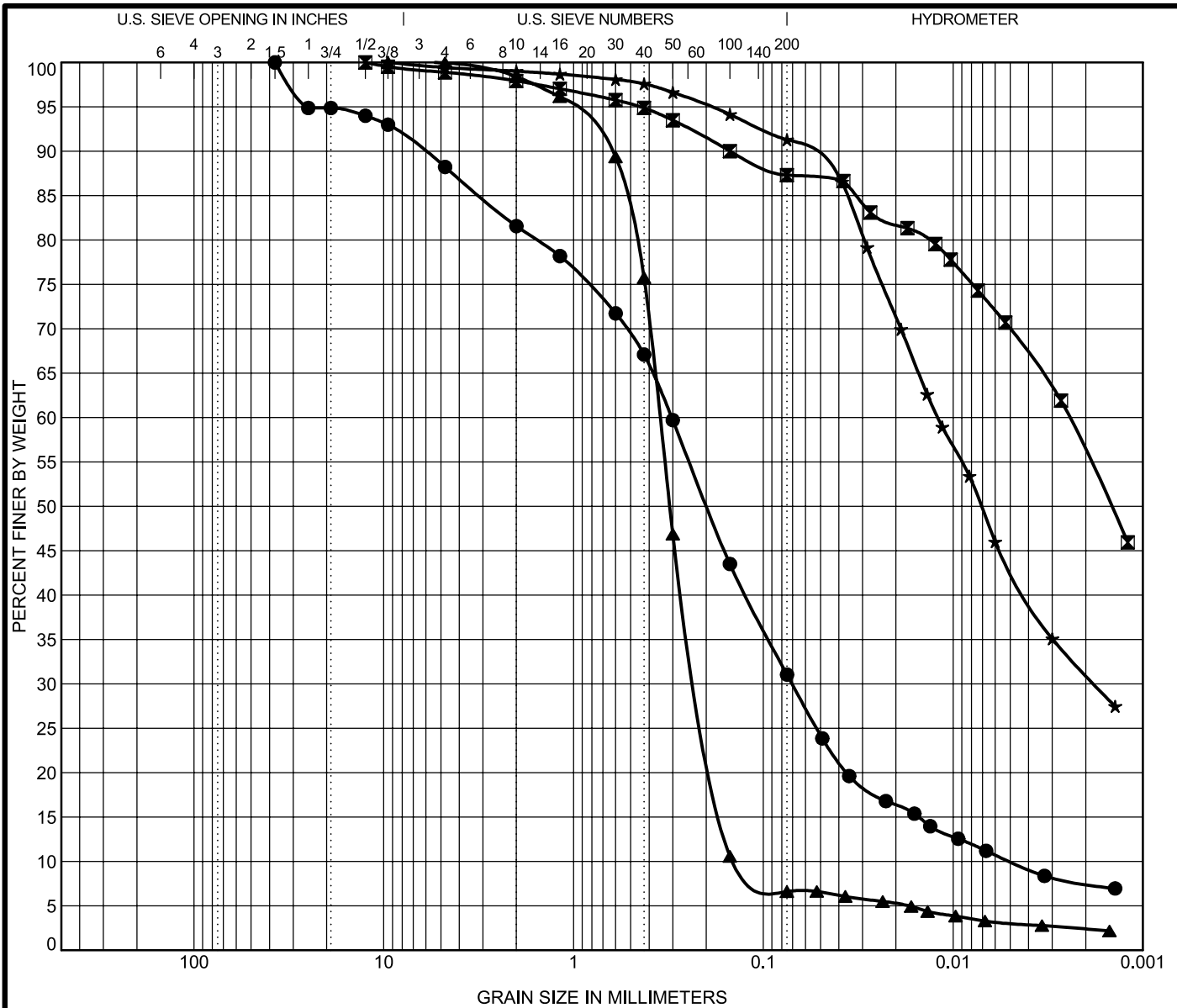
CLIENT : Lochmueller Group, Inc.
 DES NO. : --- STRUCTURE # : 20-00347 B

BORING NO.: TB-2
 SHEET 3 OF 3
 LATITUDE : 41.51085
 LONGITUDE : -85.68784
 DATUM : WGS 84

PROJECT TYPE : Bridge Replacement

ELEVATION	SAMPLE DEPTH	SOIL/MATERIAL DESCRIPTION	SAMPLE NUMBER	SPT per 6"	% RECOVERY	MOISTURE CONTENT	DRY DENSITY, pcf	POCKET PEN., tsf	UNCONF. COMP., tsf	ATTERBERG LIMITS			REMARKS	
										LL	PL	PI		
785.0	67.5	Silty Clay , stiff to hard, moist, gray, A-6-(8)	SS 18	7-7-8	67	18.1		1.5		25	14	11		
780.0	72.5		SS 19	9-9-8	67	28.0		1.5						
775.0	77.5		SS 20	9-10-13	89	18.3	113.8		1.5					
770.0	82.5		SS 21	8-8-11	78	18.2		2.5						
765.0	87.5		SS 22	10-10-12	67	19.6		2.5						
90.0	90.0	Bottom of Boring at 90.0 ft												

E:\BORING LOG (INDOT FORMAT) LAT./LONG. C:\255365 INDOT.GPJ IN_DOT1.GDT 3/27/26




COBBLES	GRAVEL	SAND		SILT	Clay
		coarse	fine		

Specimen Identification	Lab #	Textural Classification	LL	PL	PI	Cc	Cu
● TB-1 SS-6 13.5 41719		A-2-4 (0) SANDY LOAM	NP	NP	NP	3.29	61.25
☒ TB-1 SS-14 48.5 41720		A-7-6 (21) CLAY	41	17	24		
▲ TB-2 SS-9 23.5 41721		A-3 (0) SAND	NP	NP	NP	1.05	2.74
★ TB-2 SS-18 68.5 41722		A-6 (8) SILTY CLAY	25	14	11		

Specimen Identification	D60	D30	D10	LOI	pH	%Gravel	%Sand	%Silt	%Clay	SG
● TB-1 SS-6 13.5 0.304 0.07 0.005						18.4	50.5	23.5	7.5	
☒ TB-1 SS-14 48.5 0.002						2.1	10.6	31.3	56.0	
▲ TB-2 SS-9 23.5 0.351 0.217 0.129						1.6	91.8	4.2	2.4	
★ TB-2 SS-18 68.5 0.012 0.002						1.0	7.7	60.3	31.0	

Terracon Consultants, Inc.
7770 West New York Street
Indianapolis, IN 46214
Telephone: (317) 273-1690
Fax: (317) 273-2250

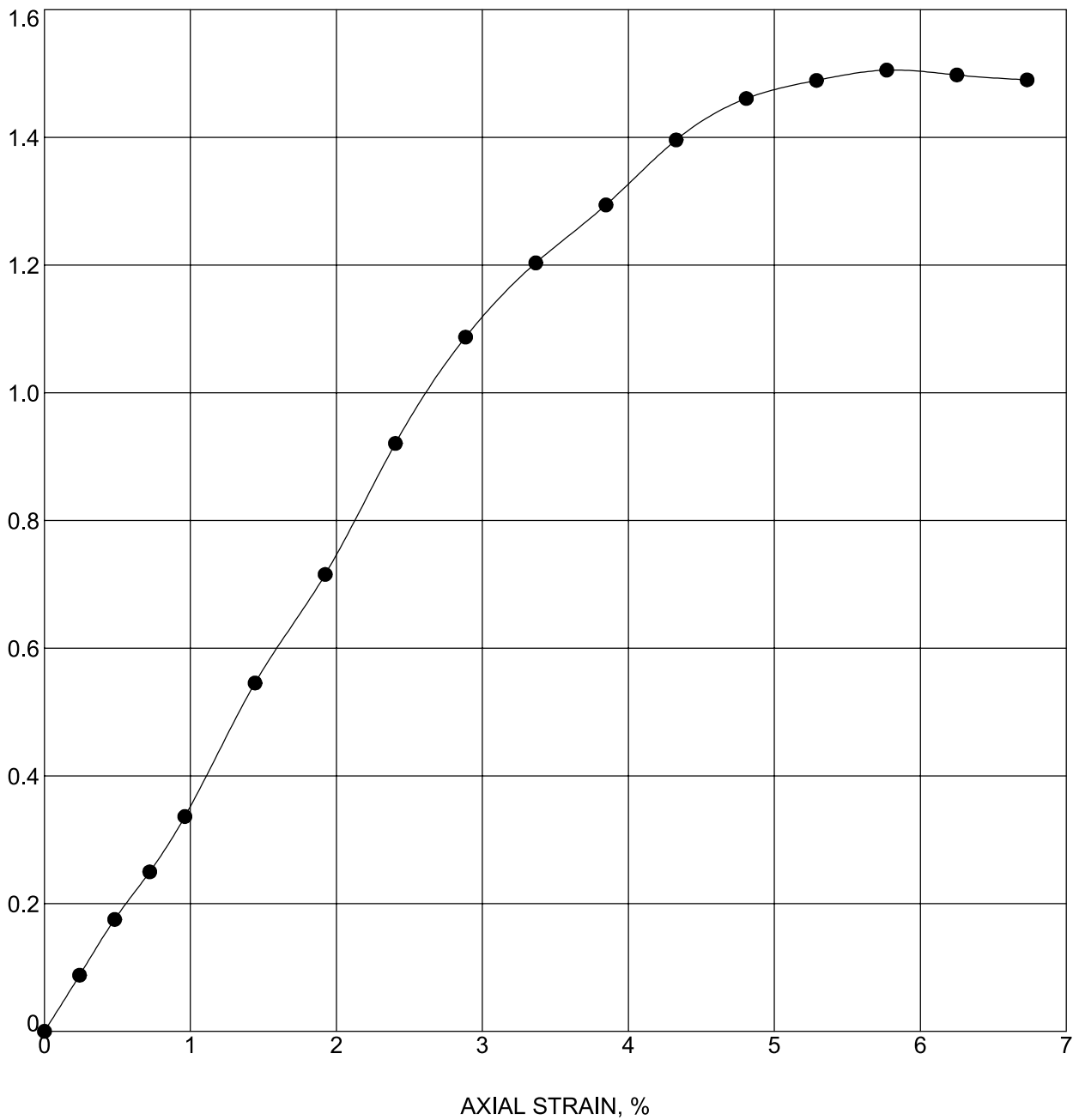


GRAIN SIZE DISTRIBUTION TEST REPORT

DES #: --- Structure #: 20-00347 B
Project #: CJ255365
County: Elkhart
Location: CR 44 over Stony Creek

INDOT: GRAIN SIZE (EEL LOGO) CJ255365 INDOT.GPJ IN DOT1.GDT 2/25/28

COMPRESSION STRESS, tsf



Boring	Sample	Depth	Classification
TB-1	SS-11B	33.5 - 35	CLAY LOAM

Moisture Content (%)	Moist Density (pcf)	Dry Density (pcf)	Unconfined Strength (tsf)	Strain Rate (%)	Failure Strain (%)
12.1	139.2	124.1	1.51	1.0	5.8
Shear Strength (tsf)	Saturation (%)	Void Ratio	Specimen Diameter (mm)	Specimen Height (mm)	Height/Diameter Ratio
0.75	90	0.367	38.46	73.96	1.9



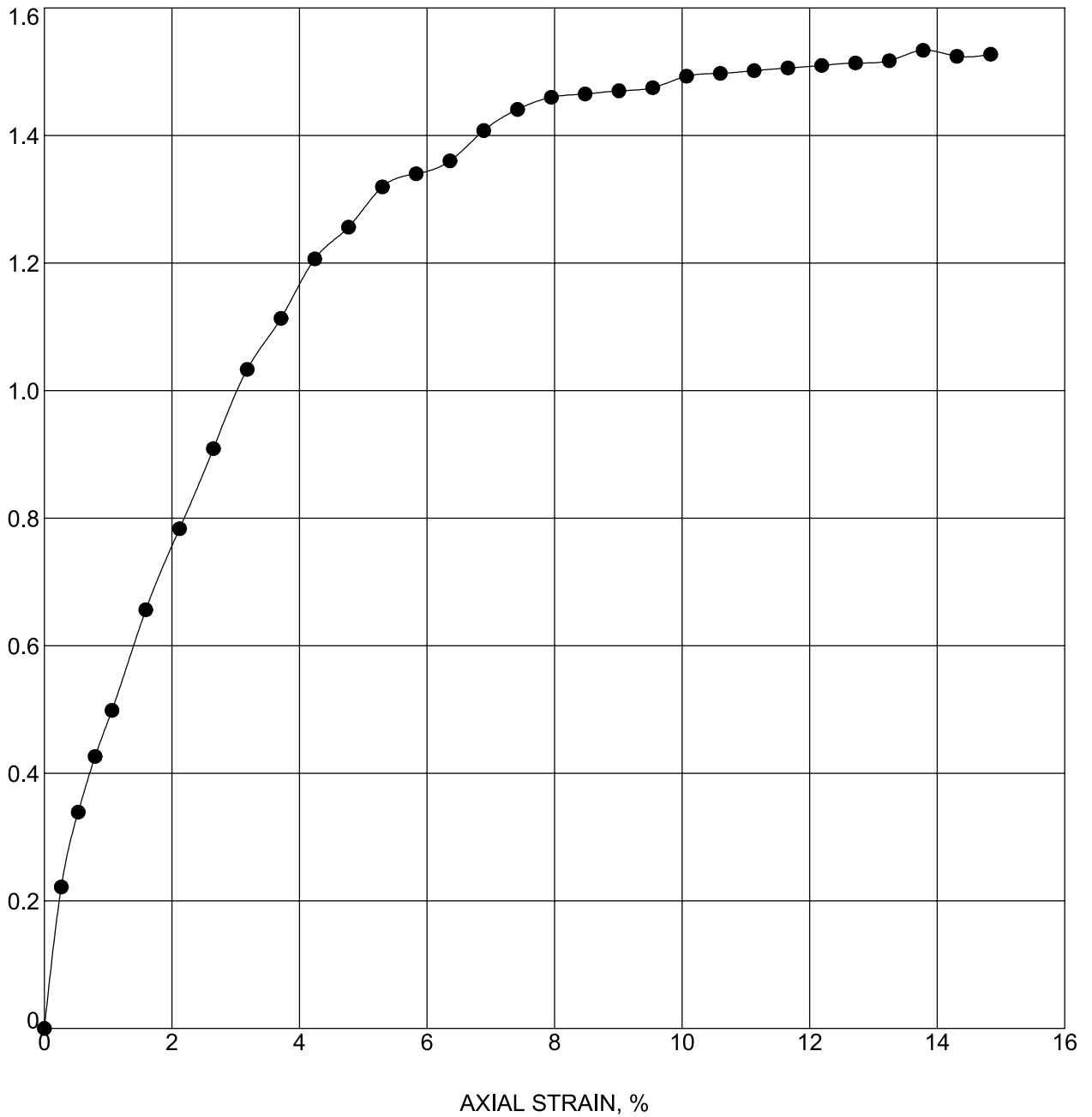
Terracon Consultants, Inc.
 7770 West New York Street
 Indianapolis, IN 46214
 Telephone: (317) 273-1690
 Fax: (317) 273-2250

UNCONFINED COMPRESSION TEST

DES #: --- Structure #: 20-00347 B
 Project #: CJ255365
 County: Elkhart
 Location: CR 44 over Stony Creek

INDOT UNCONFINED TEST (EEL LOGO) CJ255365 INDOT.GPJ IN DOT1.GDT 2/25/26

COMPRESSION STRESS, tsf



Boring	Sample	Depth	Classification
TB-1	SS-18T	68.5 - 70	SILTY CLAY

Moisture Content (%)	Moist Density (pcf)	Dry Density (pcf)	Unconfined Strength (tsf)	Strain Rate (%)	Failure Strain (%)
23.3	128.2	104.0	1.53	1.0	13.8
Shear Strength (tsf)	Saturation (%)	Void Ratio	Specimen Diameter (mm)	Specimen Height (mm)	Height/Diameter Ratio
0.77	100	0.633	35.43	67.1	1.9



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 7770 West New York Street
 Indianapolis, IN 46214
 Telephone: (317) 273-1690
 Fax: (317) 273-2250

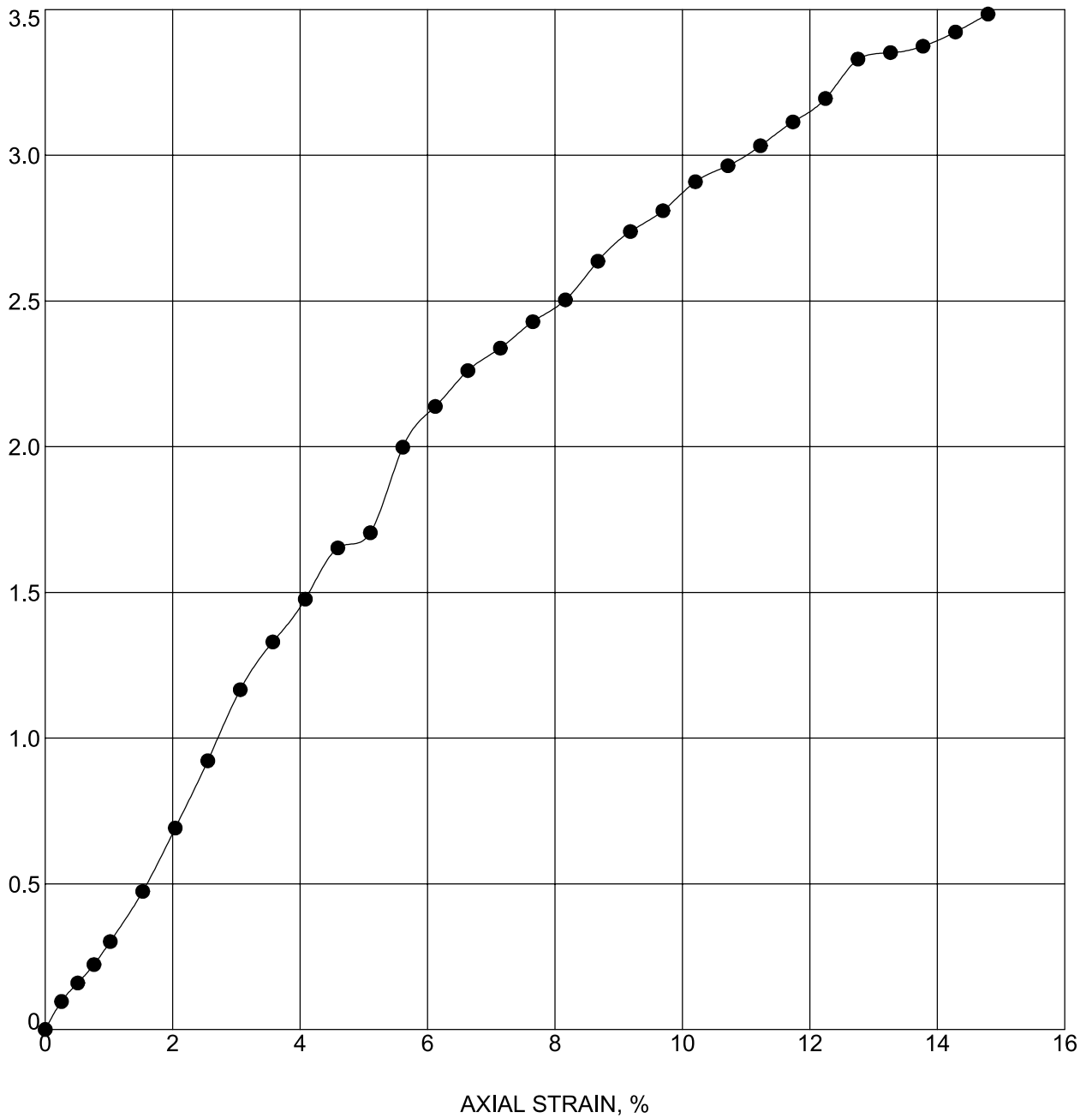
UNCONFINED COMPRESSION TEST

DES #: --- Structure #: 20-00347 B
 Project #: CJ255365
 County: Elkhart
 Location: CR 44 over Stony Creek

INDOT UNCONFINED TEST (EEL LOGO) CJ255365 IN DOT1.GDT 2/25/26

INDOT UNCONFINED TEST (EEL LOGO) CJ255365 IN DOT1.GDT 2/25/26

COMPRESSION STRESS, tsf



Boring	Sample	Depth	Classification
TB-2	SS-6B	13.5 - 15	CLAY LOAM

Moisture Content (%)	Moist Density (pcf)	Dry Density (pcf)	Unconfined Strength (tsf)	Strain Rate (%)	Failure Strain (%)
11.7	143.7	128.6	3.48	1.0	14.8
Shear Strength (tsf)	Saturation (%)	Void Ratio	Specimen Diameter (mm)	Specimen Height (mm)	Height/Diameter Ratio
1.74	100	0.320	34.06	69.7	2.0



Terracon Consultants, Inc.
 7770 West New York Street
 Indianapolis, IN 46214
 Telephone: (317) 273-1690
 Fax: (317) 273-2250

UNCONFINED COMPRESSION TEST

DES #: --- Structure #: 20-00347 B
 Project #: CJ255365
 County: Elkhart
 Location: CR 44 over Stony Creek

Supporting Information

Contents:

Field Methods for Exploring and Sampling Rocks and Soil
General Notes

Note: All attachments are one page unless noted above.

FIELD METHODS FOR EXPLORING AND SAMPLING SOILS AND ROCK

A. Boring Procedures Between Samples

The boring is extended downward, between samples, by a hollow stem auger (AASHTO* Designation T251), continuous flight auger, driven and washed-out casing, or rotary boring with drilling mud or water.

B. Standard Penetration Test and Split-Barrel Sampling of Soils

(AASHTO* Designation: T206)

This method consists of driving a 2-in. outside diameter split-barrel sampler using a 140-lb weight falling freely through a distance of 30 in. The sampler is first seated 6 in. into the material to be sampled and then driven 12 in. The number of blows required to drive the sampler the final 12 in. is recorded on the Log of Test Boring and known as the Standard Penetration Resistance or N-value. Recovered samples are first classified as to texture by the field personnel. Later in the laboratory, the field classification is reviewed by a geotechnical engineer or a qualified person under their direction who observes each sample.

C. Thin-walled Tube Sampling of Soils

(AASHTO* Designation: T207)

This method consists of hydraulically pushing a 2-in. or 3-in. outside diameter thin wall tube into the soil, usually cohesive types. Relatively undisturbed samples are recovered.

D. Soil Investigation and Sampling by Auger Borings

(ASTM Designation: D1452)

This method consists of augering a hole and removing representative soil samples from the auger flight or bucket at 5-ft intervals or with each change in the substrata. Relatively disturbed samples are obtained, and its use is therefore limited to situations where it is satisfactory to determine the approximate subsurface profile.

E. Diamond Core Drilling for Site Investigation

(AASHTO* Designation: T225)

This method consists of advancing a hole in rock or other hard strata by rotating downward a single tube or double tube core barrel equipped with a cutting bit. Diamond, tungsten carbide, or other cutting agents may be used for the bit. Wash water is used to remove the cuttings. Normally, a 3-in. outside diameter by 2-in. inside diameter coring bit is used unless otherwise noted. The rock or hard material recovered within the core barrel is examined in the field and laboratory. Cores are stored in partitioned boxes and the length of recovered material is expressed as a percentage of the actual distance penetrated.

* American Association of State Highway and Transportation Officials, Washington D.C.

** American Society for Testing and Materials

LOG OF TEST BORING – GENERAL NOTES

DESCRIPTIVE CLASSIFICATION

GRAIN SIZE TERMINOLOGY

Soil Fraction	Particle Size	US Standard Sieve Size
Boulders	Larger than 75 mm	Larger than 3"
Gravel	2.0 mm to 75 mm	#10 to 3"
Sand: Coarse	0.42 to 2.0 mm	#40 to #10
Fine	0.075 to 0.42 mm	#200 to #40
Silt	0.002 to 0.075 mm	Smaller than #200
Clay	Smaller than 0.002 mm	Smaller than #200

GENERAL TERMINOLOGY

Physical Characteristics
 - Color, moisture, grain shape
 fineness, etc.
 Major Constituents
 - Clay silt, sand, gravel
 Structure
 - Laminated, varved, fibrous,
 stratified, cemented, fissured,
 etc.
 Geologic Origin
 - Glacial, alluvial, eolian,
 residual, etc.

RELATIVE PROPORTIONS OF COHESIONLESS SOILS

Term	Defining Range by % of Weight
Trace	1 – 10%
Little	11 – 20%
Some	21 – 35%
And	36 – 50%

ORGANIC CONTENT BY COMBUSTION METHOD

Soil Description	LOI
w/ organic matter	4 – 15 %
Organic Soil (A-8)	16 – 30%
Peat (A-8)	More than 30%

The penetration resistance, N, is the summation of the number of blows required to effect two successive 6-in. penetrations of the 2-in. split-barrel sampler. The sampler is driven with a 140-lb weight falling 30 in. and is seated to a depth of 6 in. before commencing the standard penetration test.

SYMBOLS

DRILLING AND SAMPLING

AS	– Auger Sample
BS	– Bag Sample
C	– Casing Size 2½", NW, 4", HW
COA	– Clean-Out Auger
CS	– Continuous Sampling
CW	– Clear Water
DC	– Driven Casing
DM	– Drilling Mud
FA	– Flight Auger
FT	– Fish Tail
HA	– Hand Auger
HSA	– Hollow Stem Auger
NR	– No Recovery
PMT	– Borehole Pressuremeter Test
PT	– 3" O.D. Piston Tube Sample
PTS	– Peat Sample
RB	– Rock Bit
RC	– Rock Coring
REC	– Recovery
RQD	– Rock Quality Designation
RS	– Rock Sounding
S	– Soil Sounding
SS	– 2" O.D. Split-Barrel Sample
2ST	– 2" O.D. Thin-Walled Tube Sample
3ST	– 3" O.D. Thin-Walled Tube Sample
VS	– Vane Shear Test
WPT	– Water Pressure Test

LABORATORY TESTS

q _p	– Penetrometer Reading, tsf
q _u	– Unconfined Strength, tsf
W	– Moisture Content, %
LL	– Liquid Limit, %
PL	– Plastic Limit, %
PI	– Plasticity Index
SL	– Shrinkage Limit, %
LOI	– Loss on Ignition, %
γ _d	– Dry Unit Weight, pcf
pH	– Measure of Soil Alkalinity/Acidity

WATER LEVEL MEASUREMENT

BF	– Backfilled upon Completion
NW	– No Water Encountered

Note: Water level measurements shown on the boring logs represent conditions at the time indicated and may not reflect static levels, especially in cohesive soils.

APPENDIX C

For

ELKHART COUNTY BRIDGE NO. 347

APPENDIX C – UTILITY WORK PLANS

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

Brightspeed

Subject:

Utility Relocation Work Plan for:	Brightspeed
Facility Type:	Telecom

Section 1: General Information

A. INDOT/LPA Project Information

1. DES NO.:	Local
2. Route Number:	CR44
3. Location:	CR44 over Stoney Creek approx. .28 mi east of SR13 in Elkhart County
4. Work Type:	Bridge Replacement
5. Letting Date:	July 01, 2026
6. Date Work Plan Needed	May 01, 2026
7. Target Date for Utility to be out of conflict with INDOT Project	July 01, 2026
Intermediate Phase	Enter Target Date
Intermediate Phase	Enter Target Date

B. Utility Designated Contact – Information

1. Designated Contact Name:	Jordon Howell
2. Office telephone:	916-204-8802
3. Mobile telephone:	916-204-8802
4. Email address:	JHowell@Bryler.com
5. Agency name	Bryler Design Partners, LLC
6. Address:	6000 Fairview Rd, STE 1200
7. City, State, Zip Code:	Charlotte, NC 28210
8. Construction Emergency Contact:	Brightspeed
Name:	Melissa Teague
Number:	765-656-4663

C. By signing here, the Utility has determined to the best of their ability that they do not have facilities within the project area:

Signature of Utility Representative

Print Name

Date

Brightspeed

Note: A signature by the utility representative at item “(C)” fulfills the requirement to complete the rest of this form and affirms their contact information above is correct

D. INDOT/LPA Utility Coordinator Contact Information

1.	Utility Coordinator Name:	Brian Cravens
2.	Office Telephone:	317.543.7093
3.	Mobile Telephone:	317.371.1155
4.	Email Address:	Brian.cravens@lochgroup.com
5.	Agency Name:	Lochmueller Group
6.	Address:	3502 Woodview Trace, Suite 150
7.	City, State, Zip Code	Indianapolis, IN, 46268

Section 2: A narrative description of the facility relocation that will be required. [IAC 13-3-3(c)]

A. Describe what types of existing active and inactive facilities are present.

1x12PR Copper Cable
1x24F Fiber Cable

B. Describe the location of existing active and inactive facilities.

Copper cable is buried on north side, with two poles to cross creek.
Fiber cable is buried on south side, attached to bridge.

C. Describe what will be done with existing active and inactive facilities.

Remove existing facilities crossing the bridge, removing fiber on bridge, and abandon copper.

D. Describe the details of the proposed new facilities.

Propose temporary stub poles on the south side of the bridge, replace with permanent poles on the south side after the bridge construction is complete.

E. Describe the proposed location of the new facilities.

See attached drawing

F. By signing here, the Utility has determined to the best of their ability that they have facilities within the project area, and the facilities are not in conflict with the project based upon the plans received on <3/9/26>

Brightspeed

Signature of Utility Representative

Print Name

Date

Note: A signature by the utility representative at item “(F)” fulfills the requirement to complete the rest of this form and affirms their contact information above is correct.

Section 3: A statement whether the facility relocation is or is not dependent on the acquisition of additional property interests with a description of that work. [IAC 13-3-3(c) (2) (B)]

The work is not dependent on the acquisition of additional property interests.

Section 4: A statement whether the utility is or is not willing to allow the County’s contractor to do the required work as part of the highway contract. [IAC 13-3-3(c) (3)]

The utility is not willing to allow the contractor to do the work.

Section 5: From the date the work plan is approved by both parties; please provide the Utility’s pre-construction scheduling information. [IAC 13-3-3(c) (4), IAC 13-3-3(c) (5)]

A.	The expected lead time in calendar days to obtain required permits:	30
B.	The expected lead time in calendar days to obtain materials:	-
C.	The expected lead time in calendar days to schedule work crews:	30
D.	If the contractor is being selected by competitive bid what is the date of selection?	-
E.	The expected lead time in calendar days to obtain new property interests:	-
F.	The earliest date when the utility could begin to implement the pre-construction activities of the work plan:	Upon Notice to Proceed
G.	The total number of calendar days for pre-construction activities: (accounting for concurrent activities)	60

Brightspeed

Section 6: The Utility Construction Scheduling Information. [IAC 13-3-3(c) (4), IAC 13-3-3(c) (5)]

A. A statement whether the facility relocation is or is not dependent on work to be done by another utility with a description of that work. [IAC 13-3-3(c)(2)(A)(i)]

1. Utility A, with a description of the required work.

N/A

2. Utility B, with a description of the required work.

3. Utility C, with a description of the required work.

B. A statement whether the facility relocation is or is not dependent on work to be done by the County or the County's contractor with a description of that work. [IAC 13-3-3(c)(2)(A)(ii)]

1. Work item A

Brightspeed requires the right of way to be cleared and staked prior to relocation.

2. Work item B

3. Work item C

C. How many calendar days after the events identified in Sec 6 A and B are completed can the utility begin construction: 0

D. The number of calendar days to complete the relocation work: **60 days**

Brightspeed

Section 7: A drawing of sufficient detail with station, offset, elevations, and scale to show the proposed location of the facility relocation, which takes precedence over the narrative description of the work, needs to be on INDOT Construction drawings. [IAC 13-3-3(c) (6)]. Plans must be attached to this Work Plan Document.

See attached

Section 8: For each work plan the utility shall include a cost estimate for the facility relocation. For reimbursable work the estimate will identify betterment and salvage which is not reimbursable. [IAC 13-3-3(d)]

Per 105 IAC 13-3-3 (d), no estimate is required for non-compensable relocation costs.

Section 9: For work the utility is entitled to be compensated by the Department, the work plan shall include documentation of property interests and compensable land rights. [IAC 13-3-3(d)]

N/A

Section 10: The implementation of this approved work plan is dependent upon the issuance of: (a notice to proceed will be provided when items in Section 6 are accomplished)

Items Completed	Yes	Not Applicable
An executed reimbursement agreement with INDOT/LPA:	<input type="checkbox"/>	<input checked="" type="checkbox"/>
A relocation permit from INDOT/LPA:	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(Note: Double-click on box in Yes or NA to mark it with an "X")

Jordon Howell
Signature of Utility Representative *Jordon Howell*
Jordon Howell 5/28/26

4/1/2026

Date

Jordon Howell

Printed Name

INDOT/LPA use only below this point ----- INDOT/LPA use only below this point

INDOT/LPA use only below this point ----- INDOT/LPA use only below this point

The following sections are to be used by INDOT personnel to review the utility relocation work plan.

Section 11: The Department shall review the work plan to ensure that it: [IAC 13-3-3(e)]

Description	Yes	No	Initials
(1.a) is compatible with department permit requirements	<input checked="" type="checkbox"/>	<input type="checkbox"/>	BDC
(1.b) is compatible with the project plans	<input checked="" type="checkbox"/>	<input type="checkbox"/>	BDC
(1.c) is compatible with the construction schedule	<input checked="" type="checkbox"/>	<input type="checkbox"/>	BDC
(1.d) is compatible with other utility relocation work plans	<input checked="" type="checkbox"/>	<input type="checkbox"/>	BDC
(2.a) has reasonable relocation scheme	<input checked="" type="checkbox"/>	<input type="checkbox"/>	BDC
(2.b) has a reasonable cost for compensable work	<input type="checkbox"/>	<input checked="" type="checkbox"/>	BDC

(Note: Double-click on box under Yes or No to mark it with an "X")

Section 12: Approved Work Plan. [IAC 13-3-3(f)]

For State projects, the Utility Coordinator has verified that the INDOT Utility Oversight completed the UMS work plan approval process on <date>



State/LPA Project -Utility Coordinator Signature

04/01/2026

Date

Brian Cravens

State/LPA Project Utility Coordinator Name Printed



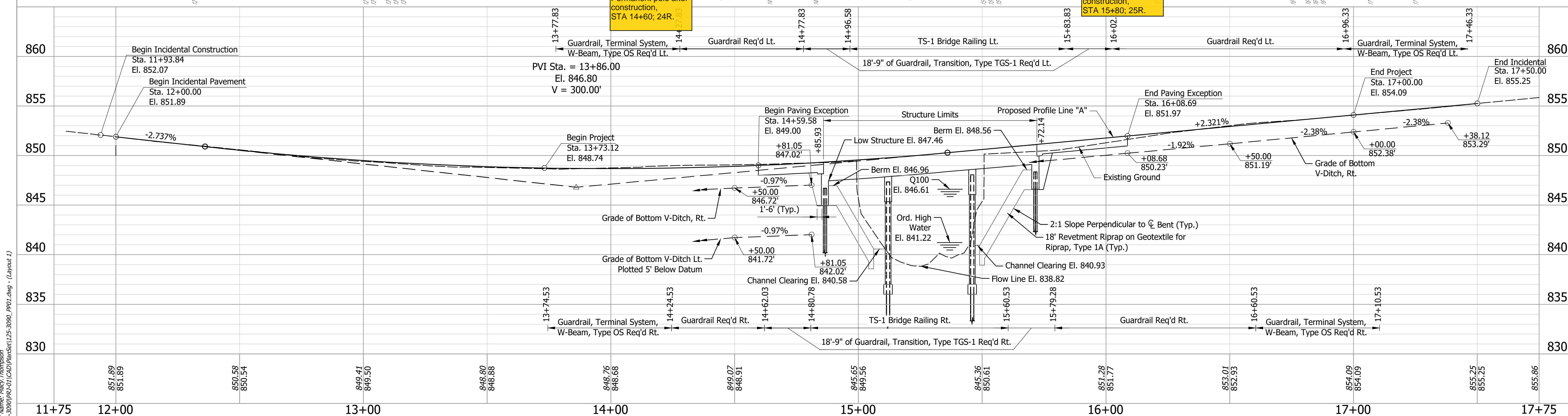
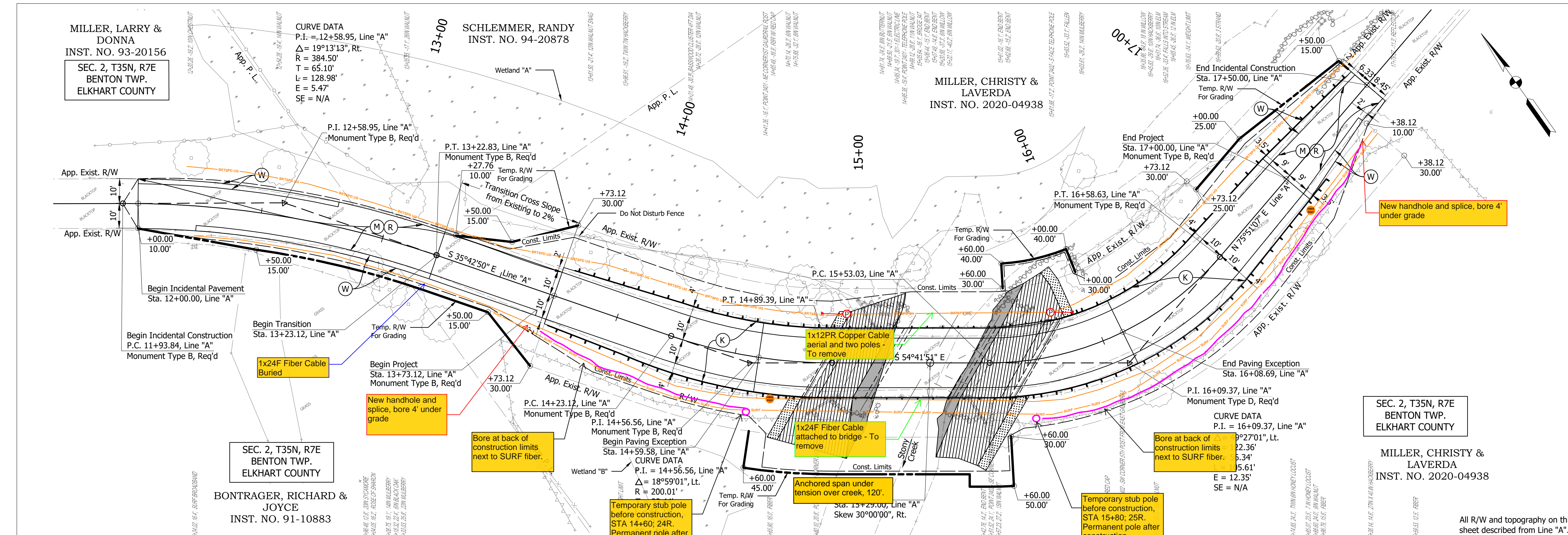
LPA Project - ERC Signature

Date

05/08/2026

Brightspeed

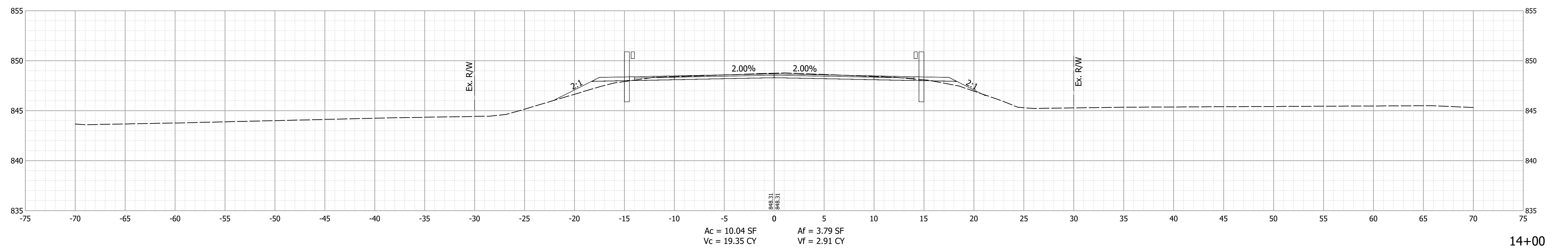
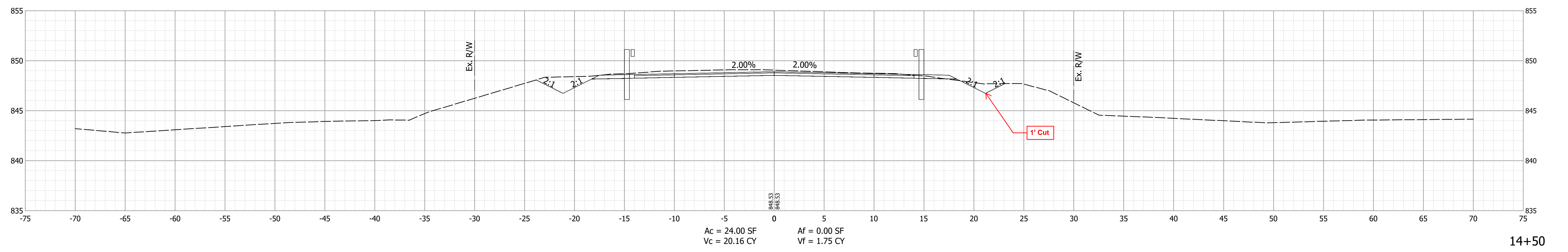
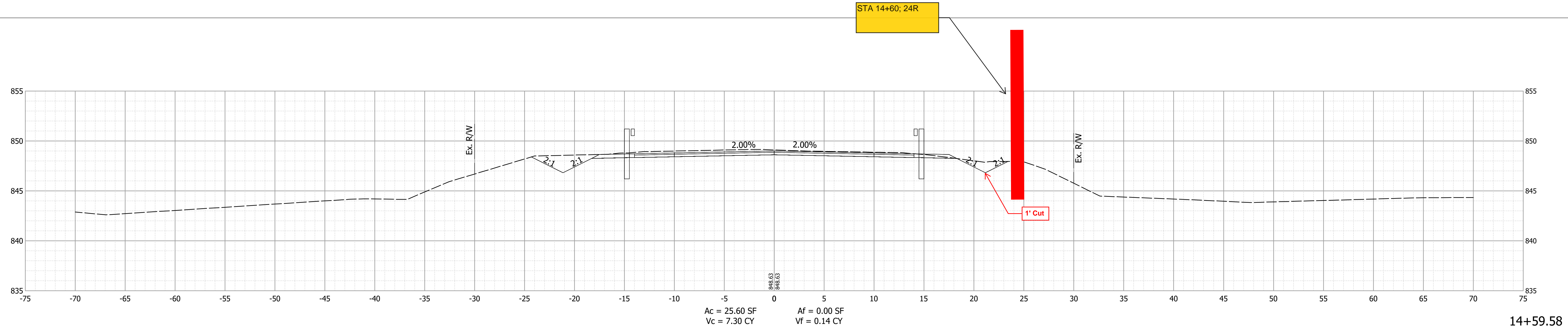
Timothy W. Jackson
LPA Project – ERC Name Printed



LEGEND:			DEPARTMENT OF HIGHWAY ELKHART COUNTY		
(K) 165 lbs/sys QC/QA HMA Surface, 2, 58S, 9.5mm on 330 lbs/sys QC/QA HMA Intermediate, 2, 58S, 19mm on Subgrade Treatment, Type IC on Geotextile for Pavement, Type 2B	(M) Milling, Asphalt, 1 1/2 In.	(W) 165 lbs/sys QC/QA HMA Surface, 2, 58S, 9.5mm on Widening with HMA (Consisting of) 330 lbs/sys QC/QA HMA Intermediate, 2, 58S, 19mm on Subgrade Treatment, Type IC on Geotextile for Pavement, Type 2B	RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
(R) 165 lbs/sys QC/QA HMA Surface, 2, 58S, 9.5mm on Geotextile for Pavement, Type 2B	(S) Sodding		DESIGNED: MCLT	DRAWN: CJF	
			CHECKED: SSR	CHECKED: MCLT	
			PLAN AND PROFILE LINE "A"		
			HORIZONTAL SCALE 1" = 20'		
			VERTICAL SCALE 1" = 5'		
			BRIDGE FILE 20-00347 B		
			DESIGNATION N/A		
			SHEET 7 of 34		
			CONTRACT N/A		

Date: Mar 06, 2026, 9:32am User Name: Macy, Thompson
 File: X:\Production\Files\2025\125-3090\125-3090_P01.dwg - Layout 1

Date: Mar 06, 2026, 9:35am User Name: Macy, Thompson
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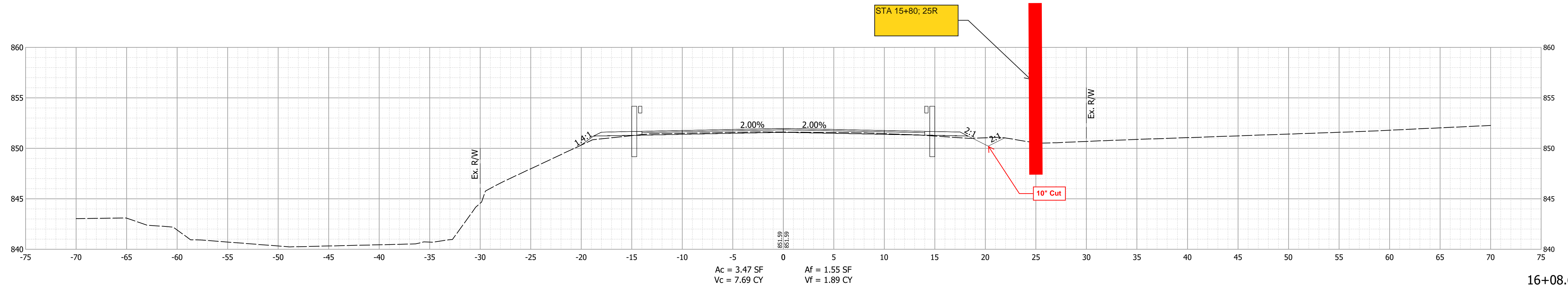
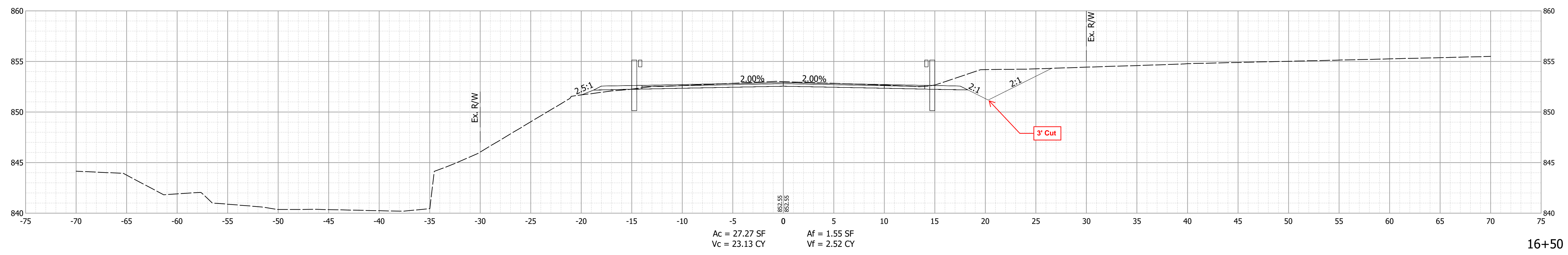
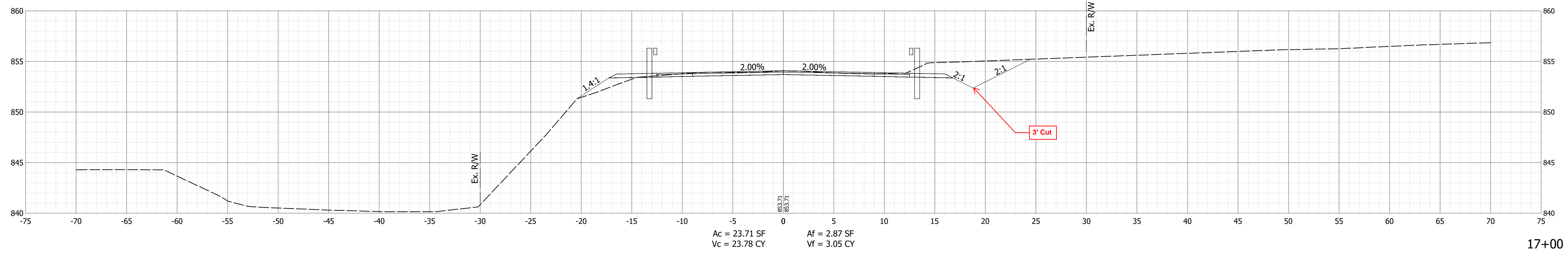


RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MCLT	DRAWN: BJS	
CHECKED: SSR	CHECKED: MCLT	

DEPARTMENT OF HIGHWAY
ELKHART COUNTY

CROSS SECTIONS
LINE "A"

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	20-00347 B
VERTICAL SCALE	DESIGNATION
1" = 5'	N/A
SHEET	
32	of 34
CONTRACT	
N/A	



Date: Mar 06, 2026, 9:35am User Name: Macy, Thompson
File: X:\Production\Files\2025\125-3090\RD_CAD\Bases\H\RD_CAD_Corridor.dwg - (Acce - 04)

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE _____
DESIGNED: _____ MCLT _____	DRAWN: _____ BJS _____	
CHECKED: _____ SSR _____	CHECKED: _____ MCLT _____	

DEPARTMENT OF HIGHWAY
ELKHART COUNTY

CROSS SECTIONS
LINE "A"

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE 20-00347 B
VERTICAL SCALE 1" = 5'	DESIGNATION N/A
	SHEET 33 of 34
	CONTRACT N/A

Subject:

Utility Relocation Work Plan for:	Surf Internet
Facility Type:	Fiber Optic

Section 1: General Information

A. INDOT/LPA Project Information

1. DES NO.:	Local
2. Route Number:	CR44
3. Location:	CR44 over Stoney Creek approx. .28 mi east of SR13 in Elkhart County
4. Work Type:	Bridge Replacement
5. Letting Date:	July 01, 2026
6. Date Work Plan Needed	May 01, 2026
7. Target Date for Utility to be out of conflict with INDOT Project	July 01, 2026
Intermediate Phase	Enter Target Date
Intermediate Phase	Enter Target Date

B. Utility Designated Contact – Information

1. Designated Contact Name:	Steve Graves
2. Office telephone:	574-575-4766
3. Mobile telephone:	574-304-0581
4. Email address:	Sgraves@surfinternet.com
5. Agency name	Surf Internet LLC
6. Address:	3325 Middlebury St
7. City, State, Zip Code:	Elkhart, IN 46516
8. Construction Emergency Contact:	
Name:	Phil Cox
Number:	574-596-0826

C. By signing here, the Utility has determined to the best of their ability that they do not have facilities within the project area:

Signature of Utility Representative

Print Name

Date

Note: A signature by the utility representative at item “(C)” fulfills the requirement to complete the rest of this form and affirms their contact information above is correct

D. INDOT/LPA Utility Coordinator Contact Information

1.	Utility Coordinator Name:	Brian Cravens
2.	Office Telephone:	317.543.7093
3.	Mobile Telephone:	317.371.1155
4.	Email Address:	Brian.cravens@lochgroup.com
5.	Agency Name:	Lochmueller Group
6.	Address:	3502 Woodview Trace, Suite 150
7.	City, State, Zip Code	Indianapolis, IN, 46268

Section 2: A narrative description of the facility relocation that will be required. [IAC 13-3-3(c)]

- A. Describe what types of existing active and inactive facilities are present.
Underground 48ct Fiber optic in 1.25” HDPE with HH Structures

- B. Describe the location of existing active and inactive facilities.
Traveling West to East on the South Side of CR44 in the ROW and Under Stony Creek 10’ deep

- C. Describe what will be done with existing active and inactive facilities.
Remain in place undisturbed. Should not be in any conflict with the bridgework.

- D. Describe the details of the proposed new facilities.
N/A

- E. Describe the proposed location of the new facilities.
N/A

- F. By signing here, the Utility has determined to the best of their ability that they have facilities within the project area, and the facilities are not in conflict with the project based upon the plans received on <Date rcvd>

Steve Graves _____

Steve Graves 03/06/2026

Signature of Utility Representative

Print Name

Date

Note: A signature by the utility representative at item “(F)” fulfills the requirement to complete the rest of this form and affirms their contact information above is correct.

Section 3: A statement whether the facility relocation is or is not dependent on the acquisition of additional property interests with a description of that work. [IAC 13-3-3(c) (2) (B)]

Section 4: A statement whether the utility is or is not willing to allow the County's contractor to do the required work as part of the highway contract. [IAC 13-3-3(c) (3)]

Section 5: From the date the work plan is approved by both parties; please provide the Utility's pre-construction scheduling information. [IAC 13-3-3(c) (4), IAC 13-3-3(c) (5)]

A.	The expected lead time in calendar days to obtain required permits:	0
B.	The expected lead time in calendar days to obtain materials:	0
C.	The expected lead time in calendar days to schedule work crews:	0
D.	If the contractor is being selected by competitive bid what is the date of selection?	Enter Bid Date
E.	The expected lead time in calendar days to obtain new property interests:	Enter Days
F.	The earliest date when the utility could begin to implement the pre-construction activities of the work plan:	00/00/000
G.	The total number of calendar days for pre-construction activities: (accounting for concurrent activities)	0

Section 6: The Utility Construction Scheduling Information. [IAC 13-3-3(c) (4), IAC 13-3-3(c) (5)]

- A. A statement whether the facility relocation is or is not dependent on work to be done by another utility with a description of that work. [IAC 13-3-3(c)(2)(A)(i)]
 - 1. Utility A, with a description of the required work.

 - 2. Utility B, with a description of the required work.

 - 3. Utility C, with a description of the required work.

- B. A statement whether the facility relocation is or is not dependent on work to be done by the County or the County's contractor with a description of that work. [IAC 13-3- 3(c)(2)(A)(ii)]
 - 1. Work item A

 - 2. Work item B

 - 3. Work item C

- C. How many calendar days after the events identified in Sec 6 A and B are completed can the utility begin construction: 0

- D. The number of calendar days to complete the relocation work: 0

Section 7: A drawing of sufficient detail with station, offset, elevations, and scale to show the proposed location of the facility relocation, which takes precedence over the narrative description of the work, needs to be on INDOT Construction drawings. [IAC 13-3-3(c) (6)]. Plans must be attached to this Work Plan Document.

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Section 9: For work the utility is entitled to be compensated by the Department, the work plan shall include documentation of property interests and compensable land rights. [IAC 13-3-3(d)]

Section 10: The implementation of this approved work plan is dependent upon the issuance of: (a notice to proceed will be provided when items in Section 6 are accomplished)

Items Completed	Yes	Not Applicable
An executed reimbursement agreement with INDOT/LPA:	<input type="checkbox"/>	<input type="checkbox"/>
A relocation permit from INDOT/LPA:	<input type="checkbox"/>	<input type="checkbox"/>

(Note: Double-click on box in Yes or NA to mark it with an "X")

Signature of Utility Representative

Date

Printed Name

INDOT/LPA use only below this point ----- INDOT/LPA use only below this point

INDOT/LPA use only below this point ----- INDOT/LPA use only below this point

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(1.b) is compatible with the project plans	<input checked="" type="checkbox"/>	<input type="checkbox"/>	BDC
(1.c) is compatible with the construction schedule	<input checked="" type="checkbox"/>	<input type="checkbox"/>	BDC
(1.d) is compatible with other utility relocation work plans	<input checked="" type="checkbox"/>	<input type="checkbox"/>	BDC
(2.a) has reasonable relocation scheme	<input type="checkbox"/>	<input type="checkbox"/> NA	BDC
(2.b) has a reasonable cost for compensable work	<input type="checkbox"/>	<input type="checkbox"/> NA	BDC

(Note: Double-click on box under Yes or No to mark it with an "X")

Section 12: Approved Work Plan. [IAC 13-3-3(f)]

For State projects, the Utility Coordinator has verified that the INDOT Utility Oversight completed the UMS work plan approval process on <date>



State/LPA Project -Utility Coordinator Signature

04/06/2026

Date

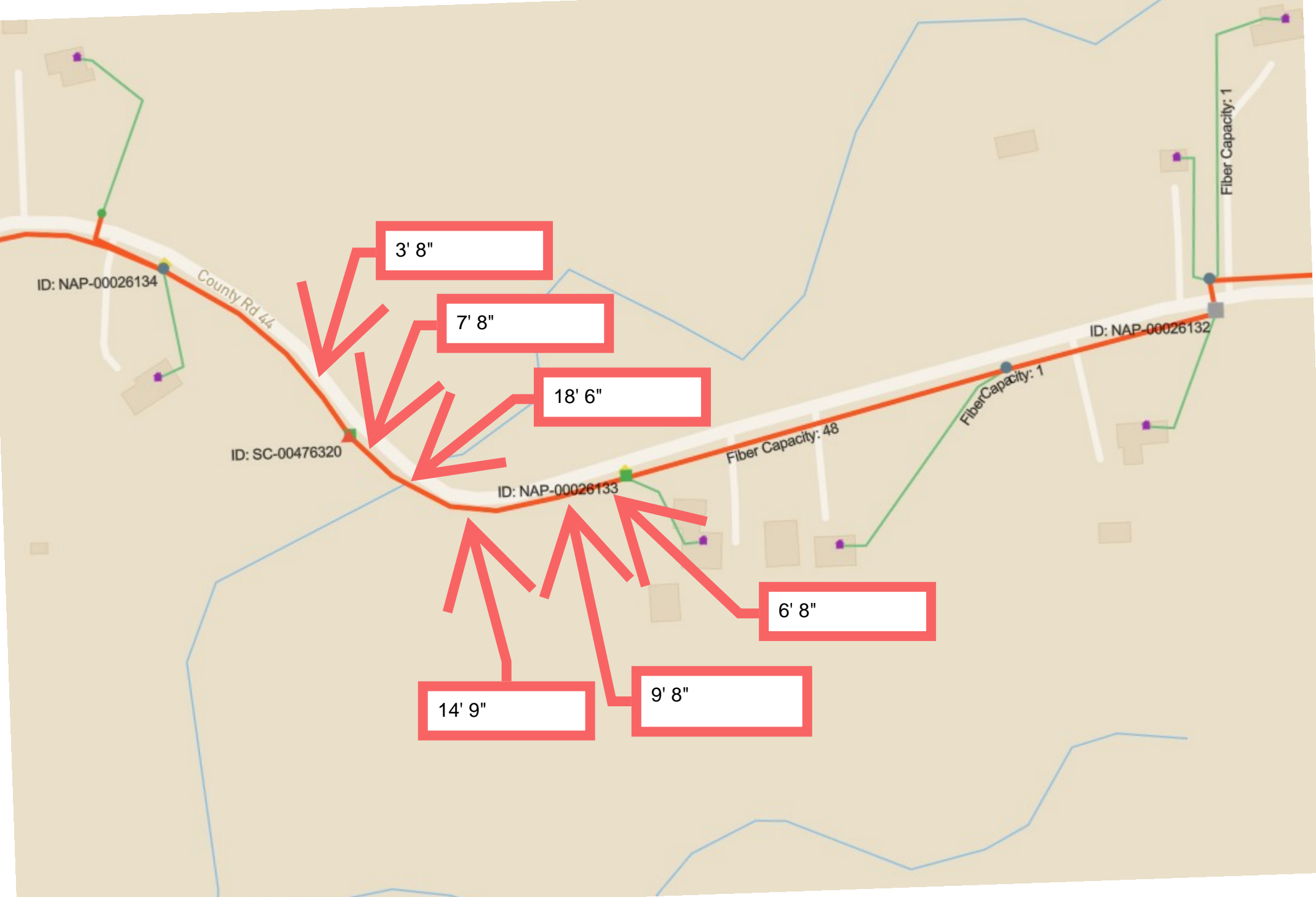
Brian Cravens

State/LPA Project Utility Coordinator Name Printed

LPA Project – ERC Signature

Date

LPA Project – ERC Name Printed



3' 8"

7' 8"

18' 6"

6' 8"

14' 9"

9' 8"

ID: NAP-00026134

County Rd 44

ID: SC-00476320

ID: NAP-00026133

Fiber Capacity: 48

Fiber Capacity: 1

ID: NAP-00026132

Fiber Capacity: 1