



## ADDENDUM #2

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To: Prospective Bidders  
From: Porter Co. Dept. of Development & Storm Water Management  
Date: March 1, 2024  
Subject: Sable Drive Storm Sewer Reconstruction Project

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The attention of all prospective bidders is called to the following Addendum.

This Addendum, designated as Addendum #2, is hereby included in and made a part of the bidding documents, whether or not attached thereto. Except as modified by this Addendum, all requirements of the bidding documents shall remain in full force and effect.

Bidder shall acknowledge the receipt of this Addendum #2 on his or her bid form.

### PRE-BID MEETING SIGN-IN SHEET & MINUTES

1. The pre-bid meeting sign-in sheet and minutes are attached as Attachments A & B to this Addendum. Please note that the meeting minutes may contain clarifications related to bid items that should be considered when preparing bids for this project.

### CLARIFICATIONS & MODIFICATIONS

The following clarifications and/or modifications to the bidding documents are being provided or are being made by the Department in response to questions posed and/or as determined necessary by the Department and are hereby included in and made a part of the bidding documents.

### TECHNICAL SPECIFICATIONS AND SPECIAL PROVISIONS

2. Technical Specifications and Special Provisions  
The Technical Specifications and Special Provisions did not upload to the Department's website correctly. The full version of the Technical Specifications and Special Provisions are attached to this Addendum #2 as Attachment C. **Please replace the original Technical Specifications and Special Provisions with the attached Technical Specifications and Special Provisions.**

### CONTRACTOR QUESTIONS

The following are questions received during bidding and all responses will be made part of the bidding documents.

1. Per the unit price bid form #23 Pavement markings, paint, please clarify what the expectation is for this line item. The drawings do not show any placement or notes referring to pavement markings or paint.  
**This pay item consists of two (2) 24" stop bars. These stop bars will be located at the stop signs at each end of the project. The materials for these pavement markings shall be paint.**
2. What is Work Item #8 – Fill, Common to be used for?  
**This pay item is to backfill behind the curb and gutter following the construction and curing of the curb and gutter.**



3. The Sewer Trench Detail (4/C2.0) mentions additional excavation, stone and geofabric, however, there is only a pay item for 'Unsuitable Storm Sewer Subgrade' which is for the excavation and removal of unsuitable dirt. That being said, how does the additional stone bedding and geofabric for any storm sewer undercuts get paid for?

**The additional excavation, stone and geofabric in the Sewer Trench Detail on Sheet C2.0 represents the Unsuitable Storm Sewer Subgrade pay item. This portion of the Sewer Trench Detail will only be applicable if poor soils are encountered and the Owner or Engineer direct the Contract to utilize the Unsuitable Storm Sewer Subgrade. This pay item may or may not be used in its entirety.**

## **PUBLIC OPENING OF BIDS**

### 1. Public Opening of Bids

As stated in the bidding documents, bids will be opened at 10:00 a.m., or as soon thereafter as possible, on Tuesday, March 5, 2024, at a public opening of bids to be held at 10:00 a.m. local time at the Porter Co. Administration Center, 155 Indiana Ave., Ste. 311, Valparaiso, Indiana 46383. In accordance with the bidding documents, the public opening of bids will also be conducted live via videoconference. All bidders, as well as members of the public, are welcome to attend the opening of bids, either in person or via videoconference.

The following information may be used to access and participate in the videoconference.

Zoom Meeting:

<https://us02web.zoom.us/j/86339223057?pwd=SmNFTFIVMTBscUZlRZ1FFeC8xZkZ3QT09>

Meeting ID: 863 3922 3057

Passcode: qcU0xM

At the meeting, bids will be opened and, unless obviously non-responsive, read aloud publicly. Respondents are invited to be present at the opening of bids. An abstract of the total bids will be made available to respondents after the opening of bids.

## **ATTACHMENTS**

- ATTACHMENT A&B - PRE-BID MEETING MINUTES & SIGN-IN SHEET
- ATTACHEMENT C – TECHNICAL SPECIFICATIONS AND SPECIAL PROVISIONS



**ATTACHMENT A & B  
PRE-BID MEETING MINUTES & SIGN-IN SHEET**



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## **MEETING MINUTES**

February 21, 2024, 10:00 am  
155 Indiana Ave., Ste. 311 & Video Conference  
Pre-Bid Meeting  
Sable Drive – Storm Sewer Reconstruction Project

1. **Sign-in and Introductions**
2. **Miscellaneous Milestone Dates**
  - a. Pre-Bid Meeting: February 21, 2024 (10:00 AM local time)
  - b. Deadline for Questions: Thursday, February 29, 2024 @ 12:00 PM (local time) – questions asked after this time might not be able to be answered
  - c. Bid Deadline: Tuesday, March 5, 2024 @ 10:00 AM (local time) @ Porter County Government Building, Porter County Auditor's Office, Ste. 204
  - d. Bid Opening: Tuesday, March 5, 2024 @ 10:00 AM (local time) @ Porter County Government Building, Department of Development and Storm Water Management, Ste. 311
  - e. Anticipated Bid Award: Tuesday, March 12, 2024 @ 9:00 AM (local time) @ Porter County Storm Water Management Board Meeting
  - f. Estimated Notice to Proceed: T B D
  - g. Substantial Completion: October 31, 2024
3. **Compliance Issues**
  - a. Compliance with equal opportunity employment laws
  - b. MBE goal: 7%; WBE goal: 5% (See item 13 in Instruction to Bidders)
  - c. IDEM Construction Stormwater General Permit Requirements
4. **Bid Submittal Requirements**
  - a. Bid Form
  - b. Basis of Bid Form
  - c. Responsible Bidding Submittal Requirements Form
  - d. Bidders Work History Form
  - e. Bidders Organizational Experience and Workload Form
  - f. Bidders Subcontractor and Supplier Form
    - i. List entities comprising 10% or more of the bidder's total costs
  - g. Bid Security
    - i. 10% of bid total
5. **Other Bidding Items**
  - a. Bids will remain open for 60 calendar days
  - b. Lowest, responsive, and responsible bidder
  - c. Acknowledgement of Addenda
6. **Successful Bidder (within 10 days of NOA)**
  - a. Executed Contract, Performance Bond – 100%, Payment Bond – 100%, Certificates of Insurance
  - b. E-Verify Affidavit & Certification Regarding Investment in Iran



7. **Maintenance Bond will be required upon final acceptance of work – 10% contract price, 1 year**
8. **Project Overview**
9. **Other Items**
  - a. Subgrade Treatment – Estimated amount (50% of pavement replacement area). Entire quantity may not be used.
  - b. Unsuitable Storm Sewer Subgrade – Estimated amount (50% of mainline pipe length for 2' on either side of pipe). This will be limited in its use and only as authorized by Porter County. Entire quantity may not be used.
  - c. Asphalt, stone, fill, excavation quantities, and others as specified in the special provisions will not be measured. Unless a change is made by Porter County to the limits, additional quantities will not be authorized.
  - d. Sawcutting, pipe bedding, pipe backfill, removing & resetting mailboxes, removing & resetting street signs, removing & resetting light poles, repair of irrigation, repair of underground electric wire inclusion fences, protecting utilities, and protecting trees – no direct measurement of quantities; therefore, no additional amounts/quantities will be approved or paid for unless project limits are increased/decreased. Figure this into the cost of other items.
  - e. Topsoil, seeding, mulching, etc. needed to restore the site will not be measured separately as specified in the special provisions. All materials, equipment and labor needed to restore the project site will be included in the lump sum pay item Restore Disturbed Areas. Unless a change is made by Porter County to the limits, additional quantities will not be authorized.
  - f. Maintenance of Traffic - maintain traffic for residents at all times and coordinate with residents during construction particularly when constructing across their drives.
10. **Addendum #2 may include but not be limited to:**
  - a. Clarification and response to submitted questions
11. **Questions**

Q1: Where is the underdrain located?  
A1: The underdrain is to be located behind back of curb.

Q2: Does every house have a drain?  
A2: Yes, every house has a drain that is to be connected to the underdrain or a stub provided to the underdrain if a private house drain is not located. All tees and fittings for such connections is to be included in the price for Work Item #32 – Underdrain, HDPE, 6", per the Technical Specifications and Special Provisions.

Q3: Is Work Item #35 – Unsuitable Storm Sewer Subgrade to be completed at a depth at the discretion of the engineer? Is No. 8 limestone bedding to be placed on top of the unsuitable storm sewer subgrade treatment?  
A3: Yes, the unsuitable storm sewer subgrade treatment will be completed at the discretion of the engineer. The unsuitable storm sewer subgrade treatment will consist of No. 2 limestone, wrapped in geotextile fabric, then the No. 8 storm sewer bedding place on top, per the Technical Specifications and Special Provisions.



Q4: What is Work Item #8 – Fill, Common to be used for?

A4: A clarification for the use of this work item will be provided in Addendum #2.

Q4: How is the sinkhole to be repaired?

A4: The sinkhole is to be filled with Fill, Common then restored per the Technical Specifications and Special Provisions with topsoil, seed, fertilizer, and straw mulch or erosion control blanket. The cost of such sinkhole repair is to be included in Work Item #24 – Restore Disturbed Area.

Q5: Is the stone subbase for the curb and sidewalk incidental to the respective pay items? If so, what is Work Item #21 – Compacted Aggregate, No. 53 to be used for?

A5: The subbase for sidewalk, curb ramps, and driveways are incidental to the respective pay items. Work Item #21 – Compacted Aggregate, No 53 is the subbase for the road reconstruction including those portions under the pavement, curb, and gutter.

Q6: Is Work Item #9 – Excavation, Common for removal of the existing roadway?

A6: Yes, the quantity for Work Item #9 – Excavation, Common is for the removal of the existing roadway.

SABLE DR - STORM SEWER RECONSTRUCTION PROJECT  
 PRE-BID MEETING SIGN IN  
 FEBRUARY 21, 2024 (10:00 AM CST)

| NAME             | COMPANY  | ADDRESS   | OFFICE/CELL/FAX                                       | EMAIL  |
|------------------|--|---|---|--|
| Chelsey Gordon   | Porter Co. Dept. of Development and Storm Water Management | 155 Indiana Ave., Ste. 311 Valparaiso, IN 46383 | Office: (219) 465-3652<br>Cell: (219)252-7499<br>Fax: | <a href="mailto:chelsey.gordon@porterco.org">chelsey.gordon@porterco.org</a>     |
| Meredith Phillis | Porter Co. Dept. of Development and Storm Water Management | 155 Indiana Ave., Ste. 311 Valparaiso, IN 46383 | Office: (219) 465-3632<br>Cell:<br>Fax:               | <a href="mailto:meredith.phillis@porterco.org">meredith.phillis@porterco.org</a> |
| LORI LARSEN      | PCSW   | 155 Indiana Ave                                 | Office: 219-510-9082<br>Cell:<br>Fax:                 |  |
| DAVID ASHCRAFT   | WOODRUFF & SONS  | 2125 E US. Hwy 12                               | Office:<br>Cell: 219-898-6834<br>Fax:                 | DAVE A @ WOODRUFF AND SONS.COM   |
| Kyle Weisman     | Woodruff + Sons  | 11  | Office:<br>Cell: 219-898-6841<br>Fax:                 | Kyle@woodruffandsons.com   |

SABLE DR - STORM SEWER RECONSTRUCTION PROJECT  
 PRE-BID MEETING SIGN IN  
 FEBRUARY 21, 2024 (10:00 AM CST)

|                         |                       |  |                                       |                                 |
|-------------------------|-----------------------|--|---------------------------------------|---------------------------------|
| Robert Goodman          | Porter County         | 155 INDIANA AVE SUITE 311<br>VALPARAISO, IN<br>46383 | Office:<br>Cell: 219-286-4100<br>Fax: | Robert.Goodman@<br>PorterCo.Ind |
| Sean Davidson<br>(Zoom) | Grimmer               |  | Office:<br>Cell:<br>Fax:              |                                 |
| Jennifer<br>(Zoom)      | Gough                 |  | Office:<br>Cell:<br>Fax:              |                                 |
| Andrew Ganiup<br>(Zoom) | Ganiup                |  | Office:<br>Cell:<br>Fax:              |                                 |
| Vince Milton<br>(Zoom)  | Milestone Contractors |  | Office:<br>Cell:<br>Fax:              |                                 |
| Shawn Finney            | DLZ                   | 400 Ridge Rd. S.W.<br>Munster, IN 46321              | Office: 219-301-3218<br>Cell:<br>Fax: | sfinney@dlz.com                 |

SABLE DR - STORM SEWER RECONSTRUCTION PROJECT

PRE-BID MEETING SIGN IN

FEBRUARY 21, 2024 (10:00 AM CST)

|              |     |              |                                       |                  |
|--------------|-----|--------------|---------------------------------------|------------------|
| Tony KENNING | DLZ | 900 ridge Rd | Office:<br>Cell: 219-718-0046<br>Fax: | akenning@dlz.com |
|              |     |              | Office:<br>Cell:<br>Fax:              |                  |



**ATTACHMENT C  
TECHNICAL SPECIFICATIONS AND SPECIAL PROVISIONS**

**SPECIAL PROVISIONS & TECHNICAL SPECIFICATIONS**  
 FOR  
**SABLE DRIVE**  
**STORM SEWER RECONSTRUCTION PROJECT**

PORTER CO. DEPARTMENT OF DEVELOPMENT & STORMWATER MANAGEMENT  
 JANUARY 31, 2024

The following Special Provisions & Technical Specifications shall apply to and govern the project designated as **Sable Drive - Storm Sewer Reconstruction Project**. Such Special Provisions & Technical Specifications supplement the specifications contained in the documents listed in the table below and, in case of conflict with any part or parts of said specifications, the Engineer shall determine which specifications shall take precedence and govern. The following hierarchy will be applied by the Engineer in resolving any conflict, error, ambiguity, or discrepancy in or between said specifications.

| <b>Specification</b>   | <b>Issuing Agency</b>   | <b>Adopted/Dated</b> |
|--|---|----------------------|
| Special Provisions & Technical Specifications for Sable Drive - Storm Sewer and Roadway Improvements | Porter Co. Department of Development & Storm Water Management | January 31, 2024     |
| Construction Plans for Sable Drive - Storm Sewer and Roadway Improvements                            | Porter Co. Department of Development & Storm Water Management | January 31, 2024     |
| General Specifications   | Porter Co. Department of Development & Storm Water Management | February 1, 2024     |

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**SPECIAL PROVISIONS AND TECHNICAL SPECIFICATIONS  
SABLE DRIVE - STORM SEWER RECONSTRUCTION PROJECT**

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### **1. Overview of this Section**

This section identifies and provides: a) Modifications, additions, deletions, and clarifications to the General Specifications Section of these Bidding Documents; b) Modifications, additions, deletions, and clarifications to the Indiana Department of Transportation (INDOT) Standard Specifications, latest edition; and c) Additional technical specifications that are not provided for in the General Specifications and INDOT Standard Specifications.

The INDOT Standard Specifications, latest edition for road and bridge construction and maintenance are the technical specifications on this contract except as noted in these special provisions and technical specifications.

### **2. Modification of Terms in the INDOT Standard Specifications**

Related Documents

- A. INDOT Standard Specifications: Various Sections

Modifications

- A. "Department of Transportation" and "Indiana Department of Transportation" shall be changed to the "Storm Water Management Board of Porter County, Indiana acting through its authorized representative, the Department of Development and Storm Water Management."
- B. "Engineer" and "Chief Engineer", shall be changed to "County Engineer, of Porter County".
- C. "State" shall be changed to "Porter County, Indiana".
- D. "Bituminous" shall be changed to "Asphalt".
- E. Owner and County shall mean Storm Water Management Board of Porter County.

### **3. Method of Measurement and Payment**

Related Documents

- A. General Specifications: 109, "Measurement and Payment"
- B. INDOT Standard Specifications: Various Sections

Modifications

- A. The methods of measurement and payment shall be as defined in these Special Provisions and Technical Specifications for each bid item.

### **4. Coordination of the Contract Documents**

Related Document

- A. General Specifications: 105.05, "Coordination of the Contract Documents"

Modifications

- A. Special provisions and technical specifications hold over construction plans and general specifications; and
- B. Construction plans hold over general specifications.

### **5. Warranty and Maintenance Bond**

Related Documents

- A. General Specifications, Section 105.19, "Warranty and Guarantee"

Modifications

- A. The cost incurred by the Contractor in complying with the requirements of this article shall be considered as included in the contract unit prices bid for the various items of work involved and no additional compensation will be allowed.

**6. Samples, Tests, and Cited Specifications**

Related Documents

- A. General Specifications: 106.04, "Samples, Tests, and Cited Specifications"

Modifications

- A. The Contractor shall collect all samples and conduct all tests for all earthwork, backfill, compaction, aggregate base, asphalt, and concrete. Testing shall be performed by an independent testing agency hired by the Contractor.
- B. Testing shall be performed in accordance with the Porter County Construction Standards and Specifications. If not covered by Porter County Construction Standards and Specifications, the testing shall be performed in accordance with the "Manual for Frequency of Sampling and Testing for INDOT and Basis for Use of Materials", latest edition and INDOT Standard Specifications, latest edition.
- C. The Contractor shall include the cost of samples and testing in other bid items. Re-sampling and re-testing costs shall be paid for by the Contractor.
- D. Any representative materials sampled and found to be in non-compliance with contract specifications by said testing laboratory will be cause for the Owner to reject all materials incorporated into this project.
- E. The Owner, at his discretion, may elect to accept a Certified Statement of Compliance for materials or workmanship in lieu of testing.

Method of Measurement and Basis of Payment

- A. Testing will not be paid for separately but shall be included in the cost of other items.

**7. Geotechnical Exploration**

Related Documents

- A. General Specifications: 104.05, "Differing Site Conditions"

Modifications

- A. A total of two (2) geotechnical soil borings were collected for this project. The Report of Geotechnical Exploration for this project (dated April 4, 2023) is provided as an Appendix to the bidding documents. Contractors, prior to submitting a bid to the Department, shall make whatever additional borings necessary to fully acquaint themselves with conditions as they exist so that they may fully understand the conditions which may affect the cost of the work. Failure to make such borings or any borings made which do not provide a complete understanding of the conditions encountered shall not relieve the Contractor of the responsibility for carrying out all the work to completion as shown on the plans, or as specified, at the price specified to be paid for the work.

Method of Measurement and Payment

- A. Contractor will not be paid for borings and the cost to repair damages caused by borings shall be paid for by the Contractor.

**8. Matching Old Work to New and Saw Cutting**

Related Documents

- A. None

Modifications

- A. 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 Owner or 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 and/or new parts as may be necessary to assure proper fits and connections meeting the approval of the Owner.
- B. All concrete and bituminous edges shall be full depth saw cut prior to the new material being placed next to the existing material.
- C. All concrete areas and drives shall be saw cut at existing joints as directed by the Engineer.

Method of Measurement and Payment

- A. The cost incurred by the Contractor in complying with the requirements of this article shall be considered as included in the contract unit prices bid for the various items of work involved and no additional compensation will be allowed.

**9. Contractor Notifications**

Related Documents

- A. General Specifications: 105.07, "Cooperation by Contractor"; 105.08, "Cooperation with Utilities; 107.07, "Public Convenience and Safety"

Modifications

- A. Sufficient notice shall be given by the Contractor to all County Departments, utilities and property owners whose pipes, poles, tracks, wires, conduits or other structures may be affected by the work in order that they may protect, adjust, remove or rebuild said items, or take such measures as they may desire to minimize inconvenience. He shall notify the Porter County Highway Department, Porter County Engineer, South Haven Fire Department, Union Volunteer Fire Department, Union Township School Corporation, and Porter County Sherriff Department forty-eight (48) hours in advance of the temporary blocking of any street or any street closures.
- B. The Contractor shall communicate with residents on all phases of the project. Communication may entail discussions with individual residents during construction, door hangers, and attending public meetings as directed by the Owner.

Method of Measurement and Payment

- A. Contractor notifications will not be paid for separately. It shall be included in the cost of other items.

**10. Preconstruction Audio-Video Survey**

Related Documents

- A. None

Modifications

- A. Intent - Prior to the start of construction on the Contract, the Contractor shall furnish to the Engineer videos of the construction areas. The videos shall remain available for viewing by the Contractor and may be reviewed by him for any assistance that the tapes may provide in resolving disputes, which arise with the property owners claiming improper restoration of their properties. The videos will also be used as a guide by the Engineer, prior to issuance of final payments, in determining the adequacy of restoration and the extent of damages attributable to the Contractor's work.
- B. Technical Requirements - The total audio-video recording system and the procedures employed in its use shall be such as to produce a finished product that will fulfill the technical requirements

of the project, as well as those more subjective requirements of high-quality audio and video production. The video portion of the recording shall reproduce bright, sharp, clear pictures with accurate colors and shall be free from distortion, tearing, rolls, or any other form of picture imperfection. The audio portion of the recording shall reproduce precise and concise explanatory notes by the camera operator with proper volume, clarity and freedom from distortion.

- C. Tapes - The Contractor shall supply the Owner with two sets of DVDs or USBs.
- D. Camera - The video documentation shall be recorded in high definition video.
- E. Character Printout - The video recordings shall include Contents Index, Time and Date.
- F. Audio - At the start of production and at the beginning of a new street or easement, an identification summary shall be read into the record while, at the same time, a wide-angle view with numeric displays shall be provided for a visual record. This summary shall include 1) tape number; 2) job title; 3) job location; 4) positional location at job start; 5) date and time; 6) weather; and 7) any other notable conditions.
- G. Coverage - The recording shall include coverage of all surface features located within the construction zone-of-influence. This zone shall be defined as 1) the area within the permanent and temporary easements and areas adjacent to these easements which may be affected by routine construction operations; 2) road right-of-way, and 3) areas directed by the Owner. The surface features within the construction zone shall include, but not be limited to, all roadways, pavements, curbs, driveways, sidewalks, culverts, headwalls, retaining walls, buildings, landscaping, shrubbery and fences. Of particular concern shall be the existence or non-existence of any faults, fractures or defects.
- H. Visibility - No recording shall be done during periods of significant precipitation, mist, or fog. The recording shall only be done when sufficient sunlight is present to properly illuminate the subjects of recording. No recording shall be performed when the ground area is covered with snow unless otherwise authorized by the Engineer.
- I. Rate of Travel - The rate of travel shall be indirectly proportional to the number, size, and value of the surface features within the construction area's zone-of-influence. The average rate of travel shall not exceed 48 feet per minute.
- J. Camera Elevation - To ensure proper perspective and to capture optimal detail, the camera lens shall be placed at optimum height above the ground.
- K. Recording Schedule - The recording shall be performed prior to the placement of any construction materials or equipment on the proposed construction site.
- L. File Name Indexing - All filenames shall be properly identified by videotape index number, project title, and general project location. Provide a log that shall describe 1) the various segments contained on that tape in terms of the names and the sides of the streets or easements; 2) coverage start, direction and end points with corresponding videotape player counter numbers. A cumulative index correlating the various segments of coverage to their corresponding tapes shall be typed and supplied to the Owner.
- M. Unacceptable Documentation - The Owner will have the authority to reject all or any portion of the video documentation not conforming to the Specifications. Those rejected portions shall be re-taped at no additional cost to the Owner.
- N. The cost of the preconstruction audio-video survey will not be paid for directly but shall be included in the cost of the other pay items of the Contract.

Method of Measurement and Payment

- A. The above item(s) will be paid per LUMP SUM and shall include labor, materials and equipment necessary as required for the project.
- B. The above item(s) will be paid for per the pay item and unit as follows:

PRECONSTRUCTION AUDIO-VIDEO SURVEY.....LS

**11. Mobilization and Demobilization**

Related Documents

- A. INDOT Standard Specifications, latest edition: 110

Modifications

- A. None

Method of Measurement and Basis of Payment

- A. The above item(s) will be paid per LUMP SUM and shall include labor, materials, equipment necessary, furnishing, and installing as required for the project.
- B. Contractor shall not request more than 50% of this pay item until the project is substantially complete.
- C. The above item(s) will be paid for per the pay item and unit as follows:

MOBILIZATION AND DEMOBILIZATION.....LS

**12. Construction Engineering**

Related Documents

- A. INDOT Standard Specifications, latest edition: 105
- B. General Specifications: 105.10, "Survey Control Points"; 105.11, "Construction Layout & Survey"; 105.13, "Verification of Lines, Grades, Elevations, & Dimensions"

Modifications

- A. None

Method of Measurement and Basis of Payment

- A. The above item(s) will be paid per LUMP SUM and shall include labor, materials, equipment necessary, furnishing, and installing as required for the project.
- B. The above item(s) will be paid for per the pay item and unit as follows:

CONSTRUCTION ENGINEERING.....LS

**13. Maintaining Traffic**

Related Documents

- A. INDOT Standard Specifications, latest edition: 104.04, 107, 801
- B. 2011 Indiana Manual on Uniform Traffic Control Devices with Revisions 1 & 2 & 3
- C. 2015 INDOT Work Zone Safety and Mobility Policy
- D. General Specifications: 107.09, "Maintenance of Traffic".

Modifications

- A. Traffic must be maintained to all residences at all times during construction.
- B. The Contractor shall provide all signage, flagmen, barricades, etc. as per the Indiana Department of Transportation Standard Drawings (i.e., E801-TCFO-01, etc.). All traffic control devices shall be in accordance with the latest version of the Indiana Manual of Uniform Traffic Control Devices.
- C. The Contractor shall coordinate with Porter County Highway Department prior to any road, sidewalk and driveway closures. The Contractor shall submit a proposed traffic control plan to the Owner and Engineer for review and approval prior to construction.
- D. The minimum allowable lane width shall be 10 feet wide.
- E. Traffic may be restricted by use of flagging operations to one lane operation during daylight hours only and outside of the hours between 7:00 a.m. to 8:00 a.m. and 4:00 p.m. to 6:00 p.m.

- F. Incomplete construction shall be backfilled and plated or otherwise secured at the end of each work day to allow local traffic access and access to each approach.
- G. The Contractor shall provide notices to each homeowner within the one block work area of the impending closure a minimum of 48 hours prior to the road, sidewalk and driveway, closure.
- H. The names and telephone numbers of the Superintendent and one other responsible employee shall be furnished to the project engineer, and the Porter County Highway Department. These employees shall be on call or available at nights, weekends, or during other nonworking periods to repair or replace all traffic control devices that may become damaged or inoperative. The Contractor shall contact the Porter County Highway Department and all emergency service providers to this road and its local school district at least 48 hours prior to the commencement of lane restrictions and closures. The Contractor shall also furnish a schedule of traffic restrictions anticipated the following work week to the Porter County Highway Department every Thursday during the construction period. This schedule shall include the planned restrictions for each day during the work week including the location(s) and direction(s) of travel affected.
- I. All signs, barricades and channelizing devices shall comply as to construction, dimensions, color, lettering and mountings as set out in the current Indiana Manual on Uniform Traffic Control Devices for Streets and Highways and the 2022 Indiana Department of Transportation Specifications, Section 801 and Standard Drawings with exceptions:
  - a. Oil burning torches will not be permitted.
  - b. Flashing beacons shall flash at a rate for each beacon of 50 to 60 times per minute with the illuminated period from 1/2 to 2/3 of the total cycle. Second beacons, if specified, shall flash alternatively except for intersection control beacons which shall flash simultaneously.
- J. It shall be the Contractor's responsibility to provide sufficient numbers of each type of sign/barricade or protective devices, as shown in the INDOT Misc. Standard Drawing Detour Sheets and as directed by the Engineer to positively inform the motorist or pedestrian of the obstruction or danger which exists. The Contractor shall provide designation for any work area where danger exists whether it be storage of equipment and materials, excavation, work areas or work having been performed and not accepted.
- K. All cost for the materials, erection, maintenance, lighting, flagman, etc. and the removal of such will be paid for as defined below.
- L. Existing traffic signage shall be maintained throughout all road projects, this shall include street name signs, speed signs, stop sign, etc.

Method of Measurement and Basis of Payment

- A. The above item(s) will be paid per LUMP SUM and shall include labor, materials, equipment necessary, furnishing, installing, maintaining, and removing of all maintenance of traffic control measures (i.e. all traffic control devices, including advanced signing for lane closures/restrictions, detour signage, flashing arrow signs, all other signs, temporary pavement markings, aggregate for temporary drives, and other costs for maintenance of traffic and detours) as required for the project.
- B. The above item(s) will be paid for per the pay item and unit as follows:

MAINTAINING TRAFFIC...LS

14. **Record Drawings**

Related Documents

- A. General Specifications: 105.13, "Verification of Lines, Grades, Elevations, & Dimensions"

Modifications/Additions

- A. Provide an electronic "As-Built" drawing in AutoCAD 18 or newer. Engineer will provide a base drawing in AutoCAD format. Provide digital pictures and GPS coordinates for all items (piping, foundations, structures, etc..) that are identified during the project and are left in-place.

Mark these items on the "As-Built" drawings. For all items abandoned in-place, mark the depth below finished grade and provide coordinates or dimensions, which will allow the Contractor to locate the item later. Provide the physical size of all items abandoned in-place. Mark new information that is important to the Contractor but was not shown on Contract Drawings or Record Drawings. Provide one (1) electronic file in AutoCAD 18 and one hard copy of the "As-Built" drawings to the Contractor Representative every 30 days for review. The "As-built" drawings shall be updated to reflect Work that has occurred in the previous 30 days. Provide three (3) copies of the final record drawing sets to the Contractor Representative and an electronic file in AutoCAD 18.

Method of Measurement and Payment

- A. The above item(s) will be paid per LUMP SUM.
- B. The above item(s) will be paid for per the pay item and unit as follows:

RECORD DRAWINGS...LS

**15. Clearing Right of Way**

Related Documents

- A. INDOT Standard Specifications, latest edition: 201

Modifications

- A. None

Method of Measurement and Payment

- A. The above item(s) will be paid for per LUMP SUM and shall include labor, materials, equipment necessary for the clearing and removal of trees and vegetation, removal of stumps and roots, and stripping and stockpiling of topsoil within the construction limits.
- B. Trees, vegetation, stumps, and roots shall be disposed of off-site, at an appropriate and, if applicable, properly permitted off-site location. Disposal will not be paid for separately but shall be included in the cost of the above item.
- C. The removal of any landscaping, trees, bushes, irrigation or pipes not specifically called out for removal on the plans will not be paid for separately but shall be included in the cost of the above item.
- D. The above item(s) will be paid for per the pay item and unit as follows:

CLEARING RIGHT OF WAY...LS

**16. Temporary Erosion and Sediment Control**

Related Documents

- A. INDOT Standard Specifications, latest edition: 205

Modifications

- A. None

Method of Measurement and Basis of Payment

- A. The above item(s) will be paid for per LUMP SUM and shall include labor, materials, equipment necessary, furnishing, installing, maintaining, and removing of all temporary erosion and sediment control measures and temporary seeding as required for the project.
- B. The above item(s) will be paid for per the pay item and unit as follows:

TEMPORARY EROSION AND SEDIMENT CONTROL....LS

**17. Fill and/or Excavation, Common**

Related Documents

- A. INDOT Standard Specifications, latest edition: 203, 205

Modifications

- A. The cost for saw cutting of existing asphalt or concrete material to be removed will not be paid for directly, but the cost thereof shall be included in the price bid for the cost of other items under this contract.
- B. The removal of asphalt pavement shall be included in the removal of EXCAVATION, COMMON.
- C. It is assumed that all excavated material will not be reusable and shall be hauled off-site by the Contractor. Any borrow material shall be clean fill material meeting all applicable INDOT material standards and delivered from an off-site source.

Method of Measurement and Basis of Payment

- A. The above item(s) EXCAVATION, COMMON will be paid for per CUBIC YARD and shall include the cost of all labor, materials, disposal, and appurtenances for the fully functional installation of each item in place.
- B. The quantity provided on the bid form will not be adjusted for payment. It is the responsibility of the Bidder/Contractor to independently verify the quantity and adjust his/her unit price to account for any differences in quantity.
- C. The above item(s) will be paid for per the pay items and units as follows:

EXCAVATION, COMMON...CYD

**18. Curb, Remove**

Related Documents

- A. INDOT Standard Specifications, latest edition: 202

Modifications

- A. None

Method of Measurement and Basis of Payment

- A. The above item(s) will be paid for per LINEAR FOOT and shall include the cost of all labor, materials, disposal, and appurtenances for the fully functional removal of the concrete curb and gutter.
- B. The quantity provided on the bid form will not be adjusted for payment. It is the responsibility of the Bidder/Contractor to independently verify the quantity and adjust his/her unit price to account for any differences in quantity.
- C. The above item(s) will be paid for per the pay items and units as follows:

CURB, REMOVE...LFT

**19. Structure, Remove**

Related Documents

- A. INDOT Standard Specifications, latest edition: 202

Modifications

- A. None.

Method of Measurement and Basis of Payment

- A. The above item(s) will be paid for per EACH and shall include labor, materials, equipment necessary, disposal, furnishing, installing, and maintaining, as required for the project.
- B. Items covered under this are included but not limited to inlets, manholes, and catch basins.
- C. The above item(s) will be paid for per the pay item and unit as follows:

STRUCTURE, REMOVE...EA

**20. Sidewalk, Remove**

Related Documents

- A. INDOT Standard Specifications, latest edition: 202

Modifications

- A. Sidewalk shall only be removed as shown on the plans and at the direction of the Engineer.
- B. Sidewalk shall be removed from locations at the existing joints.

Method of Measurement and Basis of Payment

- A. The above item(s) will be paid for per SQUARE YARD and shall include the cost of all labor, materials, disposal, and appurtenances for the fully functional removal of the concrete sidewalk.
- B. The quantity provided on the bid form will not be adjusted for payment. It is the responsibility of the Bidder/Contractor to independently verify the quantity and adjust his/her unit price to account for any differences in quantity.
- C. The above item(s) will be paid for per the pay items and units as follows:

SIDEWALK, REMOVE ...SYD

**21. Sidewalk, Concrete**

Related Documents

- A. INDOT Standard Specifications, latest edition: 604
- B. Porter County Construction Standards and Specifications: Section 8.08

Modifications

- A. Expansion joints shall be placed between the sidewalk that was left to remain and the new sidewalk.
- B. The maximum spacing between expansion joints shall be 40 feet.
- C. The Contractor shall provide a jointing plan to the Engineer for review prior to installing the replacement sidewalk.
- D. The maximum spacing between control joints shall be 8 feet.
- E. The sidewalk shall be placed on a minimum of 4-inches of compacted aggregate No. 53.
- F. The use of slag shall not be allowed.

Method of Measurement and Basis of Payment

- A. The above item(s) will be paid for per SQUARE YARD and shall include the cost of all labor, materials, disposal, and appurtenances for the fully functional removal of the concrete sidewalk.
- B. The quantity provided on the bid form will not be adjusted for payment. It is the responsibility of the Bidder/Contractor to independently verify the quantity and adjust his/her unit price to account for any differences in quantity.
- C. The item also includes labor, materials, and equipment for the installation of aggregate base beneath the sidewalk.
- D. The above item(s) will be paid for per the pay items and units as follows:

SIDEWALK, CONCRETE ...SYD

**22. Curb Ramp, Concrete**

Related Documents

- A. INDOT Standard Specifications, latest edition: 604
- B. Porter County Construction Standards and Specifications: Section 8.08

Modifications

- A. Expansion joints shall be placed between the sidewalk that was left to remain and the new curb ramp.
- B. The maximum spacing between expansion joints shall be 40 feet.
- C. The Contractor shall provide a jointing plan to the Engineer for review prior to installing the replacement sidewalk.
- D. The maximum spacing between control joints shall be 8 feet.
- E. The curb ramps shall be placed on a minimum of 4-inches of compacted aggregate No. 53.
- F. The use of slag shall not be allowed.

Method of Measurement and Basis of Payment

- A. The above item(s) will be paid for per SQUARE YARD and shall include the cost of all labor, materials, disposal, and appurtenances for the fully functional removal of the concrete sidewalk.
- B. The quantity provided on the bid form will not be adjusted for payment. It is the responsibility of the Bidder/Contractor to independently verify the quantity and adjust his/her unit price to account for any differences in quantity.
- C. The item also includes labor, materials, and equipment for the installation of aggregate base beneath the curb ramp.
- D. The item also includes labor, materials, and equipment for the installation of tactile warning surfaces in the curb ramp.
- E. The above item(s) will be paid for per the pay items and units as follows:

CURB RAMP, CONCRETE ...SYD

**23. Driveway, Concrete, Remove and Replace**

Related Documents

- A. Construction drawings and general provisions, including General and Supplementary Conditions and other Special Provisions.
- B. INDOT Standard Specification, latest edition: 202, 203, 610
- C. Additions: PCCP for Approaches, 6" will be paid for per SYS, complete and in place

Modifications

- A. Drives shall only be removed as shown on the plans and at the direction of the Engineer.
- B. Drives or portions of drives shall be removed from locations at the existing joints.
- C. The Contractor shall provide a jointing plan for the driveway replacement to the Engineer for approval prior to placement of the concrete for the drive.
- D. The maximum spacing between joints shall be 6 feet.
- E. Residential driveways shall consist of 5-inches PCCP on dense graded subbase, 6-inch on subgrade treatment type II (6-inches no. 53 compacted aggregate).
- F. The use of slag shall not be allowed.

Method of Measurement and Basis of Payment

- A. This item includes all labor, materials, and equipment for the removal and replacement of drives. The item includes all removals, compaction, the installation of subgrade treatment, compacted aggregate base, and geogrid, as necessary.
- B. The above item(s) will be paid for per the pay item and unit as follows:

DRIVEWAY, CONCRETE, REMOVE AND REPLACE...SYD

**24. Driveway, Bricks, Remove and Restore to Original Condition**

Related Documents

- A. Construction drawings and general provisions, including General and Supplementary Conditions and other Special Provisions.
- B. INDOT Standard Specification, latest edition: 202, 203, 610

Modifications

- A. Drives shall only be removed as shown on the plans and at the direction of the Engineer.
- B. Salvage existing bricks for reuse. Clean bricks prior to reinstallation.
- C. Provide 6-inches of compacted aggregate No. 53 beneath a 1-inch sand leveling course.
- D. Install bricks in same pattern as removed.
- E. Brush in polymeric sand to fill voids.

Method of Measurement and Basis of Payment

- A. The cost of this item includes removal of bricks, cleaning of bricks, replacement of bricks broken during removal, bedding aggregates, sand leveling course, and polymeric sand.
- B. The above item(s) will be paid for per the pay item and unit as follows:

DRIVEWAY, BRICKS, REMOVE AND RESTORE TO ORIGINAL CONDITION...SYD

**25. Driveway, Asphalt, Remove and Replace**

Related Documents

- A. Construction drawings and general provisions, including General and Supplementary Conditions and other Special Provisions.
- B. INDOT Standard Specifications, latest edition: 202, 203, 610

Modifications

- A. Drives shall only be removed as shown on the plans and at the direction of the Engineer.
- B. The use of slag shall not be allowed.

Method of Measurement and Basis of Payment

- A. The above item(s) will be paid for per SQUARE YARD and shall include the cost of all labor, materials, and equipment for the removal and replacement of drives. The item includes all removals, compaction, the installation of subgrade treatment, compacted aggregate base, and geogrid, as necessary.
- B. The above item(s) will be paid for per the pay item and unit as follows:

DRIVEWAY, ASPHALT, REMOVE AND REPLACE...SYD

**26. Curb and Gutter, Concrete, Rolled**

Related Documents

- A. INDOT Standard Specifications, latest edition: 605
- B. Porter County Construction Standards and Specifications: Section IV

Modifications

- A. Slag will not be allowed for use in concrete mix.

Method of Measurement and Basis of Payment

- A. The above item(s) will be paid for per LINEAR FOOT and shall include the cost of all labor, materials, equipment necessary, and appurtenances for the fully functional installation of each item.
- B. The cost of warping the curb to construct the inlet offset shall be included in this item and will not be paid for separately.

- C. The above item(s) will be paid for per the pay item and unit as follows:

CURB AND GUTTER, CONCRETE, ROLLED...LFT

**27. HMA Surface or Intermediate, Type B**

Related Documents

- A. INDOT Standard Specifications, 2012 edition: 401, 406
- B. Porter County Construction Standards and Specifications: Section IV
- C. Appendix A - Porter County Paving Specifications

Modifications

- A. Slag aggregate will not be allowed for use in any portion of the HMA mixture(s).
- B. The Bituminous paving machine shall be gated to the actual width of the bituminous lay required for surface course. Overlapping of longitudinal joint on adjacent bituminous surface lays will not be permitted.
- C. An INDOT Certified plant shall produce all HMA pavements with materials certified by INDOT.
- D. The Contractor shall perform smoothness tests for all base, intermediate, and surface pavements in accordance with the most current edition of the INDOT Standard Specification Section 401.18. The test shall be done in the presence of an Owner representative. The Contractor shall straight edge each course prior to the placement of the next course.
- E. Damages will be assessed if the Contractor varies from the above specification.
- F. Tack coat shall be applied prior to placement of each lift of HMA at a rate of 0.00025 tons/sq. yd. per application. Surface shall be clean prior to application of tack coat.
- G. The cost of tack coat on approaches shall be included in the cost of other items.
- H. Any necessary cleanup for excess tack placed outside of the paving limits shall be performed by the Contractor at no cost to the Owner.

Method of Measurement and Basis of Payment

- A. The cost of tack coat shall be included in the cost of other items.
- B. The cost of joint adhesive and joint sealant will not be paid for separately but shall be included in the cost of other items.
- C. The above item(s) will be paid for per TON as indicated on the itemized proposal sheet and shall include labor, materials, equipment necessary, furnishing, installing, and compacting.
- D. The quantity provided on the bid form will not be adjusted for payment. It is the responsibility of the Bidder/Contractor to independently verify the quantity and adjust his/her unit price to account for any differences in quantity.
- E. The above item(s) will be paid for per the pay items and units as follows:

HMA SURFACE, TYPE B...TON  
HMA INTERMEDIATE, TYPE B...TON

**28. Compacted Aggregate, No. 53**

Related Documents

- A. INDOT Standard Specifications, latest edition: 303
- B. Porter County Construction Standards and Specifications: Section IV
- C. Porter County Construction Standards and Specifications: Section 8.95.G.b

Modifications

- A. Slag aggregate and crushed concrete will not be allowed for use as compacted aggregate.
- B. Refer to Porter County Specification Section 8.95.G.b for thicknesses of lifts, percentage of compaction and frequency of testing for compacted aggregate.
- C. The removal and disposal of the existing roadway subbase will not be paid for separately but shall be included in the cost of the other contract items.
- D. The aggregate shall contain sufficient moisture to avoid segregation during loading, hauling, placing and shaping operations. The Contractor shall add sufficient water to the aggregate as required to produce an optimum moisture for the aggregate which is expected to be in the range of 7 to 9 percent of the dry aggregate weight to ensure proper placement and compaction. Moisture content of aggregate shall be checked and water added if necessary before spreading or compaction as required. The Contractor shall add water to the aggregate in such a way as not to flush the fine aggregate content from the material and cause segregation of the aggregates.

Method of Measurement and Basis of Payment

- A. The above item(s) will be paid for per TON and shall include labor, materials, equipment necessary, furnishing, installing, compacting, and all water added to the aggregate as required or directed by the Engineer.
- B. This pay item only covers the Compacted Aggregate, No. 53 used for the roadway subbase. Compacted Aggregate, No. 53 used to backfill the storm sewer trenches is included in the cost of the storm sewer pipe.
- C. The quantity provided on the bid form will not be adjusted for payment. It is the responsibility of the Bidder/Contractor to independently verify the quantity and adjust his/her unit price to account for any differences in quantity.
- D. The above item(s) will be paid for per the pay item and unit as follows:

COMPACTED AGGREGATE, NO. 53...TON

**29. Geogrid**

Related Documents

- A. Porter County Construction Standards and Specifications: Section IV

Modifications

- A. None

Method of Measurement and Payment

- A. The above item will be paid for per SQUARE YARD of geogrid provided and shall include the cost of all labor, materials, and appurtenances for the fully functional installation of the item.
- B. The above item(s) will be paid for per the pay item and unit as follows:

GEOGRID...SYD

**30. Pavement Markings, Paint**

Related Documents

- A. INDOT Standard Specifications, latest edition: 808
- B. Porter County Construction Standards and Specifications

Modifications

- A. Pavement Markings, Paint shall be the only material allowed on this project.

Method of Measurement and Payment

- A. The above items shall be paid for on a LUMP SUM basis as indicated on the itemized proposal sheet and shall include labor, materials, equipment necessary, furnishing, installing pavement markings.

PAVEMENT MARKINGS, PAINT...LS

**31. Storm Sewer Structures**

Related Documents

- A. INDOT Standard Specifications, latest edition: 720

Modifications

- A. Each storm sewer structure includes the specified frame and cover.
- B. Each storm sewer structure includes the specified stone bedding/backfill and geotextile fabric.
- C. Half pipe depth concrete benching shall be provided.

Method of Measurement and Basis of Payment

- A. The above items will be paid for EACH and shall include labor, materials, equipment, furnishing, installing, and connections. Excavation, disposal of excavated material, dewatering, stabilization of subgrade, structures, gaskets, bedding, backfill, compaction and testing are included in the price for the item.
- B. The above item(s) will be paid for per the pay items and units as follows:

INLET, TYPE J10 ...EA  
STORM MANHOLE, TYPE (X), (DIAMETER)" DIA. ...EA  
MODIFIED STORM MANHOLE, TYPE (X), (DIAMETER)" DIA. ...EA

**32. Storm Sewer, RCP CL III, (Diameter) In.**

Related Documents

- A. INDOT Standard Specifications latest edition: 715

Modifications

- A. The pipe type shall be reinforced concrete, Class III in accordance with ASTM C76, latest edition and shall be gasketed in accordance with ASTM C443, latest edition.
- B. Bedding, initial backfill, and final backfill shall be per the drawings and in accordance with Porter County standards.
- C. All storm sewer shall be inspected via closed circuit television not less than 30 days after the pipe has been installed and the backfilling has been completed. Such inspection shall be performed in the presence of the Engineer. All storm sewers shall be cleaned as necessary to allow for such inspection.

Method of Measurement and Basis of Payment

- A. The above item(s) will be paid for per LINEAR FOOT and shall include labor, materials, equipment necessary, furnishing, installing, and connections, as required for the project.
- B. Excavation, disposal of excavated material, dewatering, sheeting and shoring, bracing and support of adjacent utilities, stabilization of subgrade, pipe, connections to structures and other pipe, concrete pipe saddles, bedding, backfill, compaction and testing are included in the price for the item.
- C. Video inspection of the installed storm sewer shall be included in the cost.

- D. No additional payment shall be provided for over-excavation and/or extra stone or stabilization materials beneath the pipe without authorization by the Owner via written approval.
- E. Measurement for payment shall be from outside of structure to outside of structure.
- F. Connections to existing structures shall not be paid for separately but shall be included in the cost of the above item.
- G. The above item(s) will be paid for per the pay item and unit as follows:

STORM SEWER, RCP CL III, (DIAMETER) IN. ...LFT

**33. Underdrain, HDPE, 6 In.**

Related Documents

- A. INDOT Standard Specifications, latest edition: 715

Modifications

- A. The pipe shall be HDPE, single wall perforated (SWP) pipe per Porter County Standards.
- B. The Contractor shall field verify the location of the private drains or lack thereof for every property located along Sable Drive.
- C. The Contractor shall provide tees on each drain and connect to private drains where required. A connection to the drain shall be provided for each property located along each drain.

Method of Measurement and Basis of Payment

- A. The above item(s) will be paid for per LINEAR FOOT and shall include labor, materials, equipment necessary, disposal, furnishing, installing, and maintaining, as required for the project.
- B. Excavation, disposal of excavated material, dewatering, stabilization of subgrade, pipe, bedding and backfill material and installation, coarse aggregate no. 8, geofabric material and installation, connections to structures, compaction and testing are included in the price for the item. The price for this item shall also include the cost of providing connections to private drains, as required.
- C. The above item(s) will be paid for per the pay item and unit as follows:

UNDERDRAIN, HDPE, 6 IN....LFT

**34. Grout Pipe**

Related Documents

- A. Construction drawings and general provisions, including General and Supplementary Conditions and other Special Provisions.

Modifications

- A. None

Method of Measurement and Basis of Payment

- A. The above item(s) will be paid for per LINEAR FOOT and shall include the cost of all labor, materials, equipment, and disposal for the complete abandonment of pipe by grouting in accordance with the plans and details.
- B. The above item(s) will be paid for per the pay item and unit as follows:

GROUT PIPE...LFT

**35. Subgrade Treatment, Type II**

Related Documents

- A. INDOT Standard Specifications, latest edition: 207

Method of Measurement and Basis of Payment

- A. The above item(s) will be paid for per SQUARE YARD of Subgrade Treatment provided and shall include the cost of all labor, materials, placement, removal and disposal of poor material, and appurtenances for the fully functional installation of each item.
- B. A quantity is provided on the bid form. The amount of quantity to be used is not guaranteed. No adjustment to the unit price will be allowed unless mutually agreed upon by the Owner and Contractor.
- C. The above item(s) will be paid for per the pay item and unit as follows:

SUBGRADE TREATMENT, TYPE II ...SYD

**36. Unsuitable Storm Sewer Subgrade**

Related Documents

- A. INDOT Standard Specifications, latest edition: 207

Modifications

- A. As directed by the Engineer, the Contractor shall remove unsuitable material and install either IN No. 2 and/or IN No. 53 compacted limestone surrounded by geofabric to a depth directed by the Engineer.

Method of Measurement and Basis of Payment

- A. The above item(s) will be paid for per CUBIC YARD of aggregate IN No. 2 and/or IN No. 53 stone and shall include the cost of all labor, materials, placement, disposal, and appurtenances for the fully functional installation of each item.
- B. The cost shall include excavation and removal of unacceptable soils from the site.
- C. The cost shall include geofabric for separation of the stone and the native soils.
- D. A quantity is provided on the bid form. The amount of quantity to be used is not guaranteed. No adjustment to the unit price will be allowed unless mutually agreed upon by the Owner and Contractor.
- E. The above item(s) will be paid for per the pay item and unit as follows:

UNSUITABLE STORM SEWER SUBGRADE ...CYD

**37. Restore Disturbed Areas**

Related Documents

- A. INDOT Standard Specifications, latest edition: 621

Modifications

- A. Seeding shall be Mulched Seeding, Type U.
- B. Topsoil shall be spread at a depth of 6 inches.
- C. All areas disturbed during construction shall be restored.

Method of Measurement and Basis of Payment

- A. The above item(s) will be paid for per LUMP SUM and shall include the cost of all labor, materials, equipment necessary, and appurtenances for the fully functional installation of each item including seed, mulching material, topsoil, erosion control blanket, straw, fertilizer, and watering.
- B. The quantity provided on the bid form will not be adjusted for payment. It is the responsibility of the Bidder/Contractor to independently verify the quantity and adjust his/her unit price to account for any differences in quantity.
- C. The above item(s) will be paid for per the pay item and unit as follows:

RESTORE DISTURBED AREAS...LS

**38. Other Items**

Related Documents

- A. INDOT Standard Specifications, latest edition
- B. Porter County Construction Standards and Specifications, latest edition
- C. General Specifications Section 105.08, "Cooperation with Utilities"
- D. General Specifications Section 107.15, "Protection and Restoration of Property"

Modifications and/or Additions

- A. The Contractor shall protect existing storm sewers, sanitary sewers, water utilities, gas utilities, cable utilities, electric utilities, fiber optic utilities and pipeline utilities except those that shall be removed and replaced during the road reconstruction. Any damage to any part of the existing storm or sanitary sewer system (that is not to be removed or replaced) caused by the Contractor's operations or equipment, shall be satisfactorily replaced or repaired by the Contractor at his own expense.
- B. All work shown on the drawings not identified as a pay item including but not limited to:
  - a. Removing and resetting mailboxes;
  - b. Removing and resetting all street signs;
  - c. Removing and resetting existing light poles;
  - d. Restoration and repair of private utilities including, but not limited to, irrigation and underground electric wire inclusion fence;
  - e. And all other removals, protections, and coordination items not specifically called out on the plans

Shall be included in the work.

Method of Measurement and Basis of Payment

- A. The above item(s) will not be paid for directly, but the cost thereof shall be included in the price bid for the cost of CLEARING RIGHT OF WAY.