

SPECIFICATIONS AND BID DOCUMENTS

FOR

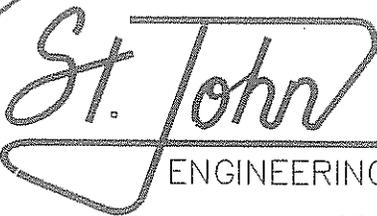
COFFEE COUNTY HIGH SCHOOL CROSSWALK

MANCHESTER, TENNESSEE

JANUARY 2016

PROJECT 102-124

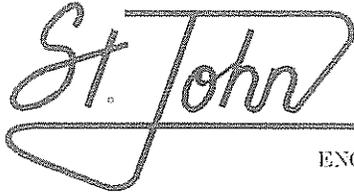
PREPARED BY:

The logo for St. John Engineering, LLC, featuring the name "St. John" in a stylized, cursive script font. The letters are white with a black outline, set against a dark background within a rounded rectangular frame.

ENGINEERING, LLC

ENGINEERING • PLANNING • ENVIRONMENTAL CONSULTING

923 JACKSON STREET, MANCHESTER, TN 37355
PHONE: (931) 728-2638 FAX: (931) 728-6357



ENGINEERING, LLC

ENGINEERING • PLANNING • CONSTRUCTION MANAGEMENT

INVITATION FOR BIDS

Notice is hereby given that the Owner, City of Manchester, is accepting sealed bids for a crosswalk located at the Coffee County High School, 100 Red Raider Drive, Manchester, Tennessee. The project is identified as Coffee County High School Crosswalk Project 102-124.

All bids must be in accordance with the Contract Documents prepared and issued by St. John Engineering, LLC, located at 923 Jackson Street, Manchester, TN 37355.

Specifications may be examined at the Dodge Room online at www.construction.com, or the office of St. John Engineering, LLC, 923 Jackson Street, Manchester, TN. Copies of the Bidding Documents may be obtained at the office of St. John Engineering, LLC after 8:00 a.m., _____ day, _____, 2016, upon depositing the sum of \$35.00 for each set of documents, or free online at www.stjohnengineering.com/bids. No partial sets will be issued and no refund will be provided for sets that may be returned.

All bids must be returned, sealed, to _____, no later than _____ a.m./p.m., _____ day, _____, 2016, to be opened and read to the public in accordance with the requirements of the City of Manchester. The City of Manchester reserves the right to reject any and all bids.

Bridget Anderson
Finance Director

DOCUMENT 00500

AGREEMENT FORM BETWEEN OWNER AND CONTRACTOR

THIS AGREEMENT is dated as of the _____ day of _____ in the year 2016 by and between the City of Manchester (hereinafter called OWNER) and _____ (hereinafter called CONTRACTOR).

The OWNER and CONTRACTOR, in consideration of the mutual covenants hereinafter set forth, agree as follows:

Article 1. Work

The CONTRACTOR shall complete all work as specified or indicated in the Contract Documents. The work is generally described as follows:

Coffee County High School Crosswalk Project

Article 2. Engineer

The project has been designed by: St. John Engineering, LLC
923 Jackson Street
Manchester, TN 37355

who is hereinafter called ENGINEER and who is to act as the OWNER'S representative, assume all duties and responsibilities and have the rights and authority assigned to the ENGINEER in the Contract Documents in connection with completion of the work in accordance with the Contract Documents.

Article 3. Contract Time

3.1 The work will be substantially completed within 30 days after the date when the Contract Time commences to run, and completed and ready for final payment within 30 days after the date when the Contract Time commences to run.

3.2 Liquidated Damages: The OWNER and CONTRACTOR recognize that time is of the essence of this Agreement and that the OWNER will suffer financial loss if the work is not completed within the times specified in paragraph 3.1 above, plus any extensions thereof allowed. They also recognize the delays, expense and difficulties involved in proving the actual loss suffered by the OWNER if the work is not completed on time. Accordingly, instead of requiring any such proof, the OWNER and CONTRACTOR agree that as liquidated damages for delay (but not as a penalty) the CONTRACTOR shall pay the OWNER two hundred fifty dollars (\$250) for each day that expires after the time specified in paragraph 3.1 for Substantial Completion until the work is substantially complete. After Substantial Completion, if the CONTRACTOR shall neglect, refuse or fail to complete the remaining work within the time specified in paragraph 3.1 for completion and readiness for final payment or any proper extension thereof granted by the OWNER, the CONTRACTOR shall pay the OWNER two hundred fifty dollars (\$250) for each day that expires after the time specified in paragraph 3.1 for completion and readiness for final payment.

Article 5. Payment Procedures

The CONTRACTOR shall submit Applications for Payment. Applications for Payment will be processed by the ENGINEER.

5.1 Progress Payments and Retainage: The OWNER shall make progress payments on account of the Contract Price on the basis of the CONTRACTOR'S Applications for Payment as recommended by the ENGINEER, on or about the 30th day of each month during construction as provided in paragraphs 5.1.1 and 5.1.2 below. All such payments will be measured by the Schedule of Values.

5.1.1 Prior to Substantial Completion, progress payments will be made in an amount equal to the percentage indicated below, but, in each case, less the aggregate of payments previously made and less such amounts as the ENGINEER shall determine, or the OWNER may withhold.

95% of work completed (with the balance being retainage). If work has been 50% completed as determined by the ENGINEER, and if the character and progress of the work have been satisfactory to the OWNER and the ENGINEER, the OWNER, on recommendations of the ENGINEER, may determine that as long as the character and progress of the work remain satisfactory to them, there will be no additional retainage on account of work completed, in which case the remaining progress payments prior to Substantial Completion will be in an amount equal to 100% of the work completed.

100% (with the balance being retainage) of materials and equipment not incorporated in the work (but delivered, suitably stored and accompanied by documentation satisfactory to the OWNER.

5.1.2 Upon Substantial Completion, in an amount sufficient to increase total payments to the CONTRACTOR to 95% of the Contract Amount (with the balance being retainage), less such amounts as the ENGINEER shall determine, or the OWNER may withhold.

5.2 Final Payment: Upon final completion and acceptance of the work, the OWNER shall pay the remainder of the Contract Amount as recommended by the ENGINEER.

Article 6. Contractor's Representations

In an effort to encourage the OWNER to enter into this Agreement, the CONTRACTOR makes the following representations:

6.1 The CONTRACTOR has examined and carefully studied the Contract Documents (including the Addenda listed in Article 7) and the other related data identified in the Bidding Documents including "technical data".

6.2 The CONTRACTOR has visited the site and become familiar with and is satisfied as to the general, local and specific site conditions that may affect cost, progress, performance and furnishing of the work.

- 6.3 The CONTRACTOR is familiar with and is satisfied regarding all federal, state and local Laws and Regulations that may affect cost, progress, performance and furnishing of the work.
- 6.4 The CONTRACTOR is aware of the general nature of the work to be performed by the OWNER and others at the site that relates to the work as indicated in the Contract Documents.
- 6.5 The CONTRACTOR has correlated the information known to the CONTRACTOR, information and observations obtained from visits to the site, reports and drawings identified in the Contract Documents and all additional examinations, investigations, explorations, tests, studies and data with the Contract Documents.
- 6.6 The CONTRACTOR has given the ENGINEER written notice of all conflicts, errors, ambiguities or discrepancies that the CONTRACTOR has discovered in the Contract Documents and the written resolution thereof by the ENGINEER is acceptable to the CONTRACTOR, and the Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the work.

Article 7. Contract Documents

The Contract Documents which comprise the entire agreement between the OWNER and the CONTRACTOR concerning the work consist of the following:

- 7.1 This Agreement (pages 1 to 6, inclusive).
- 7.2 Project Manual Documents and Specifications consisting of sections as listed in the Table of Contents.
- 7.3 Performance, Payment, and other required Bonds.
- 7.4 Certificate of Insurance.
- 7.5 Drawing (attached hereto) consisting of sheet numbered C1.0 dated 01/15/16.
- 7.6 Addenda numbers ____ to____, inclusive.
- 7.7 The CONTRACTOR'S Bid.
- 7.8 Documentation submitted by CONTRACTOR prior to Notice of Award.
- 7.9 The following which may be delivered or issued after the Effective Date of the Agreement and are not attached hereto:
 - 7.9.1 Notice of Award
 - 7.9.2 Notice to Proceed
 - 7.9.3 All Written Amendments and other documents amending, modifying or supplementing the Contract Documents.

There are no Contract Documents other than those listed above in this Article 7. The Contract Documents may only be amended, modified or supplemented.

Article 8. Miscellaneous

- 8.1 No assignment by a party hereto of any rights under or interests in the Contract Documents will be binding on another party hereto without the written consent of the party sought to be bound; and, specifically but without limitation, moneys that may become due and moneys that are due may not be assigned without such consent (except to the extent that the effect of this restriction may be limited by law), and unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the Owner or the Contractor from any duty or responsibility under the Contract Documents.
- 8.2 The OWNER and the CONTRACTOR each binds itself, its partners, successors, assigns and legal representatives to the other party hereto, its partners, successors, assigns and legal representatives in respect to all covenants, agreements and obligations contained in the Contract Documents.
- 8.3 Any provision or part of the Contract Documents held to be void to unenforceable under any Law or Regulation shall be deemed stricken, and all remaining provisions shall continue to be valid and binding upon the OWNER and the CONTRACTOR, who agree that the Contract Documents shall be reformed to replace such stricken provision or part thereof with a valid and enforceable provision that comes as close as possible to expressing the intention of the stricken provision.

IN WITNESS WHEREOF, the OWNER and the CONTRACTOR have signed this Agreement in triplicate. One counterpart each has been delivered to the OWNER, the CONTRACTOR, and the ENGINEER. All portions of the Contract Documents have been signed, initialed or identified by the OWNER and the CONTRACTOR or identified by the ENGINEER on their behalf. This Agreement will be effective on _____, 2016 (which is the Effective Date of the Agreement).

OWNER _____ City of Manchester _____

CONTRACTOR _____

By: _____

By: _____

Title: _____ Mayor _____

Title: _____

Corporate Seal:

Corporate Seal:

Attest _____

Attest _____

Address for giving notices:

Address for giving notices:

_____ 200 West Fort Street _____

_____ Manchester, TN 37355 _____

License No. _____

Agent for service of process: _____

(If CONTRACTOR is a corporation,
attach evidence of authority to sign.)

END OF DOCUMENT 00500

**COFFEE COUNTY HIGH SCHOOL
CROSSWALK PROJECT**

DRAWINGS AND SPECIFICATIONS

The attached drawing and specifications are a part of the project requirements:

1. General Requirements
2. Drawing Sheet C1.0
3. Site and Subsurface Investigation by Contractor Specification 02010

GENERAL REQUIREMENTS

SCOPE OF WORK:

The work covered by this contract is for the installation of handicap ramps, pavement markings, and all associated work. The work includes all items indicated on the plans and bid documents.

All work shall be completed within 30 days of award of contract. Liquidated damages in the amount of \$250/day shall be assessed against the contractor for delays.

INSURANCE REQUIREMENTS:

The successful contractor and subcontractors shall maintain the following minimum insurance coverage during the construction period. A Certificate of Insurance is required as proof of insurance with a copy of an endorsement naming Warren County as an additional insured. It shall be provided to Warren County prior to the contractor accessing the site.

CONTRACTOR'S LIABILITY INSURANCE

The limits of liability for the insurance shall be not less than the following amounts or greater where required by applicable Laws and Regulations.

Workers' Compensation:

(1)	Applicable State Requirements	Statutory Amount for the State of Tennessee
(2)	Employer's Liability	
	Bodily Injury each accident	\$1,000,000
	Occupational Sickness, Disease, or Death Policy Limit	\$1,000,000
	Occupational Sickness, Disease, or Death Each Employee	\$1,000,000

Contractor's Commercial General Liability Insurance which shall also include complete operations and product liability coverages and eliminate the exclusion with respect to property under the care, custody and control of the Contractor:

Commercial General Liability:

(1)	General Annual Aggregate (Except Products-Completed Operations)	\$2,000,000
(2)	Products-Completed Operations Aggregate	\$1,000,000

(3)	Personal and Advertising Injury (per person/organization)	\$1,000,000
(4)	Each Occurrence (Bodily Injury and Property Damage)	\$1,000,000
(5)	Each Project	\$1,000,000
(6)	Property Damage Liability	\$1,000,000
(7)	Explosion, Collapse, or Underground (XCU) hazards	\$2,000,000

AUTOMOBILE LIABILITY INSURANCE

Automobile Liability Insurance:

(1)	Bodily Injury:	\$ 500,000	Each Person
		\$1,000,000	Each Accident
	Property Damage:	\$ 500,000	Each Person
		\$1,000,000	Aggregate
	Combined Single Limit (Bodily injury and property damage)	\$2,000,000	Each Accident

UMBRELLA/EXCESS LIABILITY \$1,000,000 Per Occurrence

CONTRACTUAL ENDORSEMENT

The Contractual Liability coverage required shall provide coverage for not less than the following amounts:

(1)	General Aggregate	\$2,000,000
(2)	Each Occurrence (Bodily Injury and Property Damage)	\$1,000,000

PROPERTY INSURANCE

The Contractor will maintain Builder's Risk Insurance (fire and extended coverage) on a 100 percent completed value basis on the insurable portions of the project for the benefit of the Owner, the Contractor, and all Subcontractors, as their interests may appear.

WORK TO BE PROVIDED BY THE CONTRACTOR:

Contractor shall furnish all materials, labor, and equipment to construct the handicap ramps and pavement markings, complete.

The work includes replacement of any fencing removed during construction, finish grading/seeding/strawing of any disturbed areas, and repair or replacement of damaged sidewalk, curbing, or pavement.

MATERIAL SPECIFICATIONS:

Refer to material specifications indicated on the drawings.

Product information is to be submitted and approved prior to the start of construction. Submittals shall be provided for concrete mix design number 9400 TN (Class A Mix, 3000 psi), and pavement marking meeting TDOT Specification 910.02.

BASIS FOR PAYMENT:

All costs involved for construction, including labor, materials, equipment, and incidentals shall be included in the unit bid prices.

The successful bidder, after award of a contract, shall submit a complete Schedule of Values for each bid item. Progress payments will be based on work completed during that period at the prices listed in the Schedule of Values.

**DOCUMENT 00320
UNIT PRICE BID FORM
FOR
COFFEE COUNTY HIGH SCHOOL CROSSWALK**

By submitting this bid, I do hereby certify that I have read and do fully understand the specifications and my product and services will meet or exceed these specifications. I have noted any exceptions to the bid on this bid sheet.

Contractor understands they are required to provide submittals as to any products being provided prior to installation. Bid will be for all work outlined in the General Requirements. All work will be performed in accordance with the specifications and plans included herein.

No bid bond will be required. A payment bond or performance bond will be required equal to 100% of the contract amount. Bonds are considered incidental to the work and not paid by a bid form line item.

The Contractor shall also provide a Certificate of Insurance noting limits of liability as listed in General Requirements Section included herein.

Bidder agrees to perform the services outlined in the bid document at the price indicated as follows:

Lump Sum Bid:

Services will be provided for the completion of all work indicated on the plans and bid documents for the Coffee County High School Crosswalk including all incidental work items for the lump sum bid amount of \$_____.

Estimated Construction Time to completion after award if different than 30 day (Days):_____

Exceptions_____

Please Provide 3 references of customers that you have performed this type of service for:

	Company Name	Contact Person	Phone #
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____

Contractor Name: _____

Contractor Phone #: _____

Signature of Authorized Representative

Date

Bid Price must be good until 60 days after bid opening date.

RECEIPT OF THE FOLLOWING IS HEREWITH ACKNOWLEDGED

Addendum No.	Addendum Description

Respectfully submitted by:

Firm Name: _____

Address: _____

City, State, Zip: _____

Signed by: _____

Signature

Print Name

Title: _____

Telephone Number: _____

Date _____

The "Firm" is a _____ located in the state of
(Corporation/Partnership)

_____ and is duly authorized to perform
(State)

under State License No. _____ as a General Contractor in the above
project location. *(Number)*

TITLE VI

Date of Bid Opening: _____
Project Name: COFFEE COUNTY HIGH SCHOOL CROSSWALK
Project No. (if applicable): 102-124
Company Name: _____

For Title VI compliance, the City of Manchester asks for voluntary disclosure of the following information, regarding the owner/operator of the company:

Gender: _____ Male
 _____ Female

Race: _____ Caucasian
 _____ African American
 _____ Other (please specify) _____

**SECTION 02010
SITE AND SUBSURFACE INVESTIGATION BY CONTRACTOR**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Surface reconnaissance and evaluation of existing site conditions.
- B. Sub-surface evaluation by contractor's chosen method of investigation.

1.02 RELATED SECTIONS

- A. Section 00700 – General Conditions.
- B. Section 00800 – Supplementary Conditions.

PART 2 PRODUCTS

Not Used

PART 3 EXECUTION

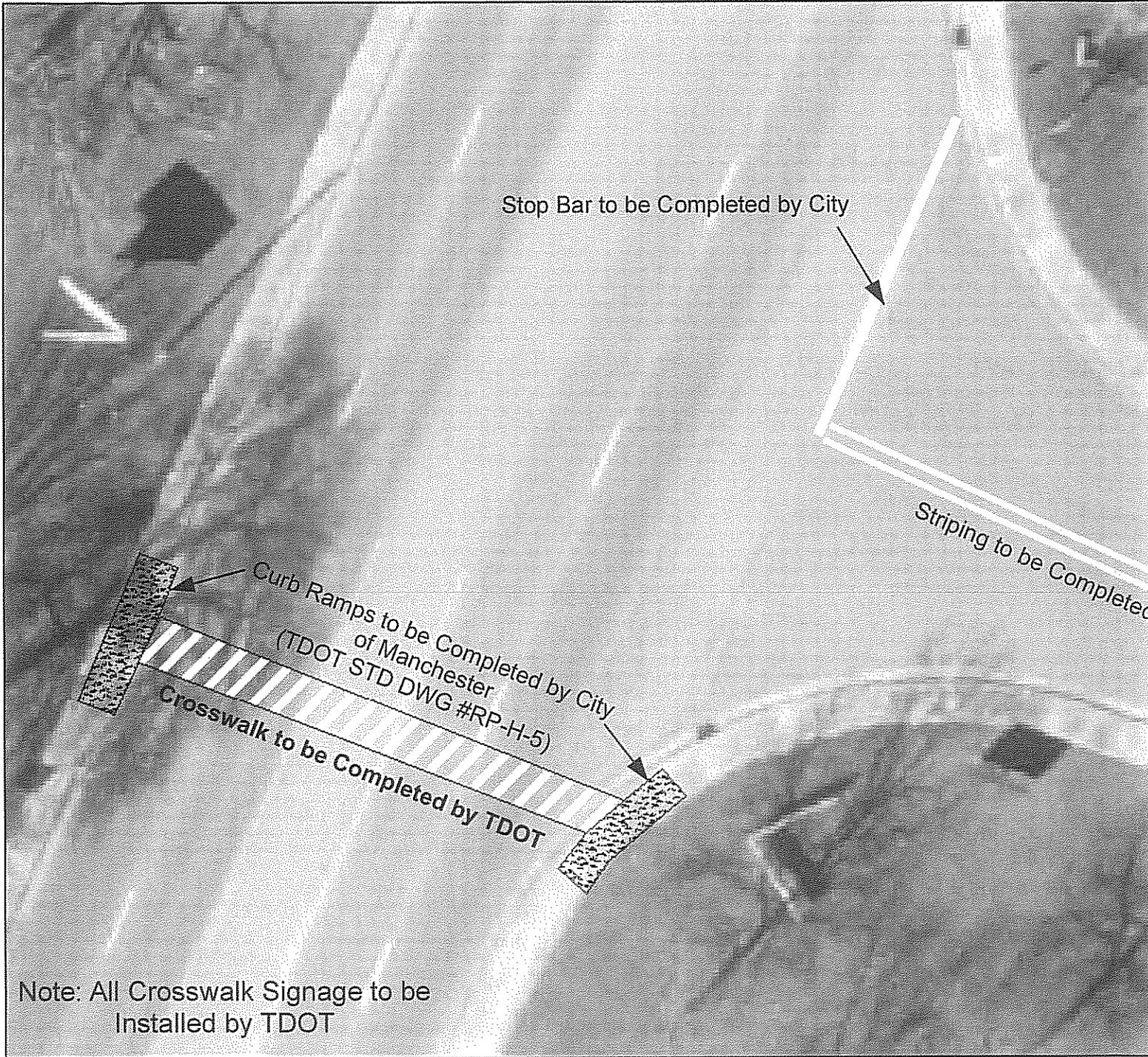
3.01 EXECUTION

- A. The Contractor is responsible for having a thorough knowledge of all Drawings, Specifications, General and Supplementary Conditions, and other Contract Documents. Failure to acquaint himself with this knowledge does not relieve him of the responsibility for performing his work in a manner acceptable to the Owner. No additional compensation will be allowed because of conditions that occur due to failure by the Contractor to familiarize himself and all workers with this knowledge.
- B. The Contractor shall be responsible for determining the existing conditions of the site and shall thoroughly examine all factors reasonably available to him, including but not limited to the Drawings, Specifications, site boundary and topography, site conditions, site history, local information, and seasonal weather conditions. Geotechnical report data is not available and it is the Contractor's responsibility to further investigate site conditions as he determines necessary. The Contractor shall be totally responsible for acceptance of the site and preparation of the site to the proper grade and compaction requirements as indicated by the

Contract Documents including Construction Drawings and Specifications. Any construction performed by the Contractor on the project will constitute acceptance of the site.

- C. The Material to be excavated is considered unclassified.

END OF SECTION 02010



Stop Bar to be Completed by City

Striping to be Completed

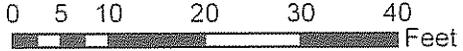
Curb Ramps to be Completed by City
of Manchester
(TDOT STD DWG #RP-H-5)

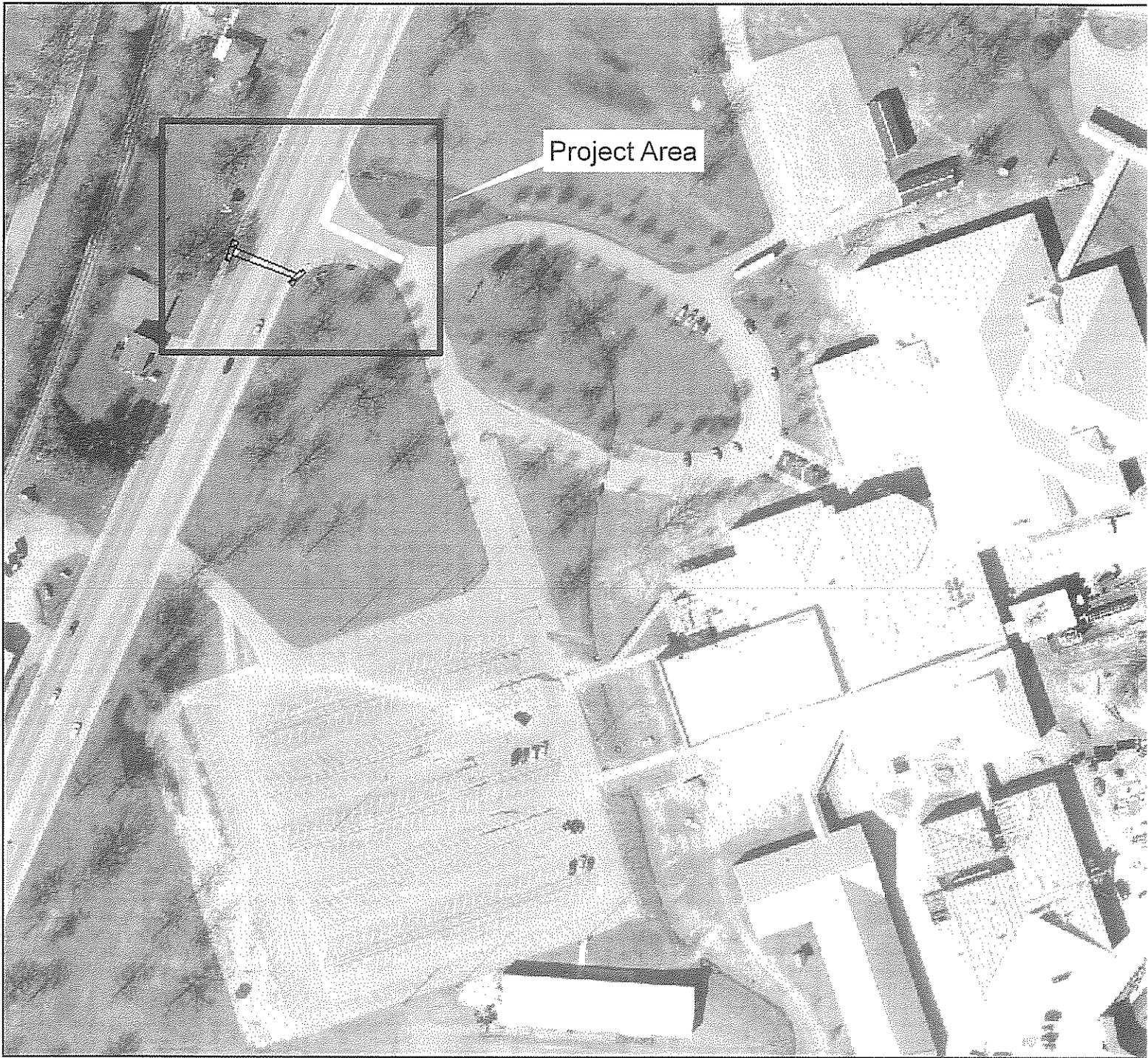
Crosswalk to be Completed by TDOT

Note: All Crosswalk Signage to be
Installed by TDOT



CCHS Crosswalk

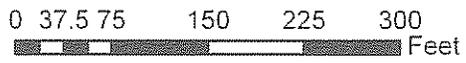




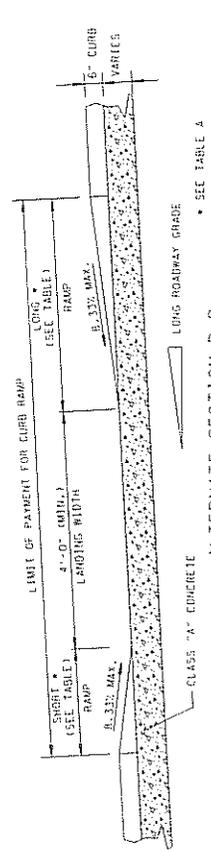
Project Area



CCHS Crosswalk



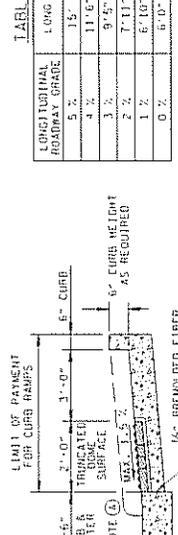
- REV. 4-13-11: ADDED FOOTNOTE ① - ADJUSTED DIMENSIONS IN RAMP DETAIL, WTC, EDITS TO DRAWING, WTC, REVISED NOTES.
- REV. 1-15-13: MODIFIED LANDING WIDTH, REVISED NOTES.
- REV. 6-4-13: CHANGED CROSS SLOPE TO 1.5% DESIRABLE. ADDED NOTES ② AND ③. CHANGED ITEM DESCRIPTION, REVISED NOTES.
- REV. 1-30-15: UPDATE NOTES, REVISED TABLE A.



ALTERNATE SECTION B-B
PARALLEL CURB RAMP DETAIL SHOWN WITH LONGITUDINAL ROADWAY GRADE
 NOTE: MODIFICATIONS MAY BE REQUIRED FOR LONGITUDINAL ROADWAY GRADES STEEPER THAN 5%. ENGINEER SHOULD BE NOTIFIED FOR ADJUSTMENT IF THE CURB RAMP SIDE FLARES EXCEED 15" IN LENGTH DUE TO THE LONGITUDINAL ROADWAY GRADE.

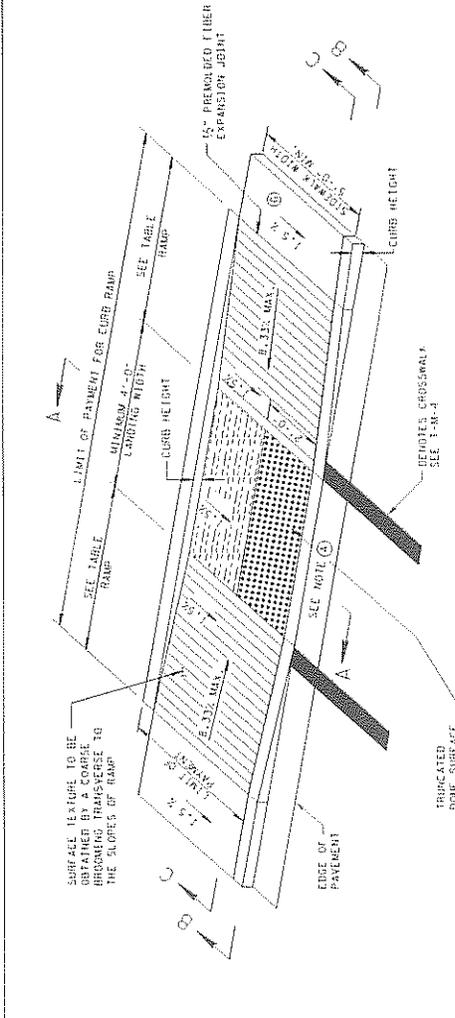
TABLE A

LONGITUDINAL ROADWAY GRADE	LONG	SHORT	MIN. RISE
5%	15'	3'-9"	114"
4%	11'-0"	4'-11"	98"
3%	9'-5"	4'-5"	90"
2%	7'-11"	4'-10"	84"
1%	6'-10"	5'-5"	82"
0%	6'-0"	6'-0"	82"

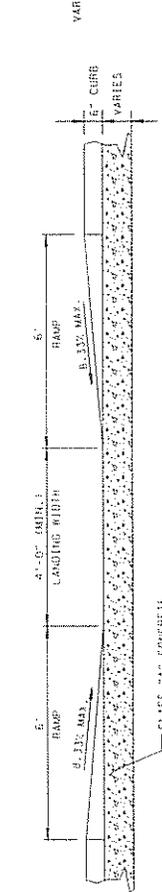


SECTION A-A
 ① BASED ON 5' SIDEWALK WIDTH

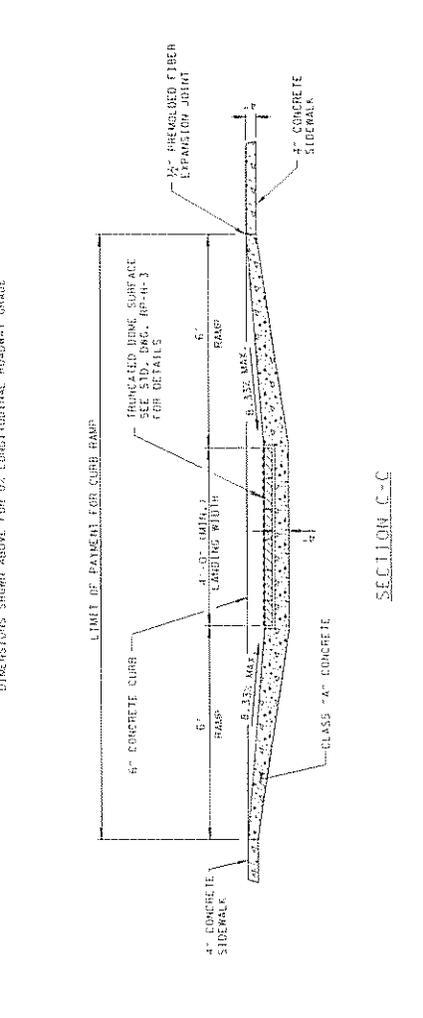
- GENERAL NOTES**
- IT IS RECOMMENDED TO USE WHEN SIDEWALK WIDTH IS LESS THAN 10 FEET AND CURB RAMP IS LOCATED ALONG ADJACENT SIDEWALK SECTION OF ROADWAY.
 - CURB SHALL BE LOWERED ACROSS ENTIRE WIDTH OF RAMP THE FIRST TWO FEET OF RAMP MUST CONSIST OF A TRUNCATED DOME SURFACE. RAMP SHALL INCLUDE THE TRUNCATED DOME SURFACE TO PROVIDE A DETECTABLE WARNING OF ELEVATION CHANGES. ACCESS PLANS FOR PARALLEL RAMP DO NOT NEED GUTTER SLOPE CONNECTION.
 - THE COST OF THE LOWERED CURB AND GUTTER TO BE INCLUDED IN THE PRICE OF ITEM NO. 702-01, CONCRETE CURB OR ITEM NO. 702-03, CONCRETE COMBINED CURB & GUTTER.
 - DESIGN/CONSTRUCTION MODIFICATIONS MAY BE REQUIRED FOR CURB RAMP TO BE INSTALLED ALONG A ROADWAY WITH LONGITUDINAL GRADES EXCEEDING FIVE PERCENT.
 - ALL COST OF INSTALLING CURB RAMP IN NEWLY CONSTRUCTED SIDEWALK AREAS SHALL BE BID FOR UNDER THE FOLLOWING PAY ITEM: 701-02.03 CONCRETE CURB RAMP PER SQUARE FOOT.
 - PAYMENT SHALL INCLUDE ALL MATERIALS (INCLUDING TRUNCATED DOME SURFACE), INFRASTRUCTURE CURB, EQUIPMENT, AND LABOR NECESSARY FOR CONSTRUCTION OF THE CURB RAMP(S).
 - IF PEDESTRIAN SIGNAL IS PROPOSED SEE TDD TRAFFIC DESIGN MANUAL FOR PLACEMENT.
 - IF WALKWAYS ARE REMOVED DURING INSTALLATION OF THE RAMP PROVIDE A 12" X 12" OPENING BEHIND THE CURB (SEE RP-5-7).
 - DESIRABLE CROSS SLOPE IS 1.5%. ABSOLUTE MAXIMUM IS 2%.
 - SEE NOTES ① AND ② ON RP-H-3.



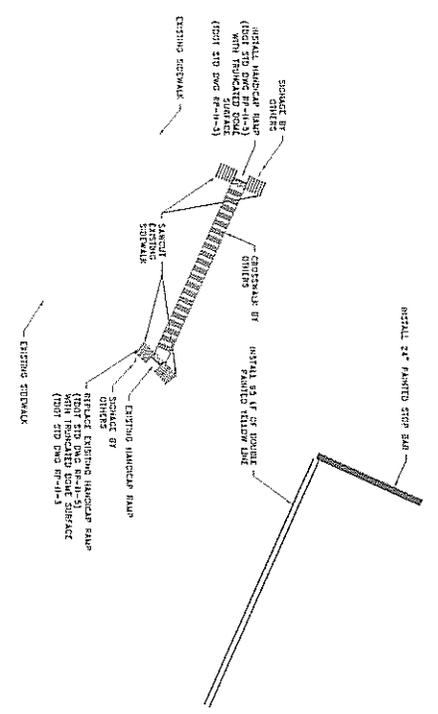
PARALLEL CURB RAMP DETAIL
 DIMENSIONS SHOWN ABOVE FOR 0% LONGITUDINAL ROADWAY GRADE



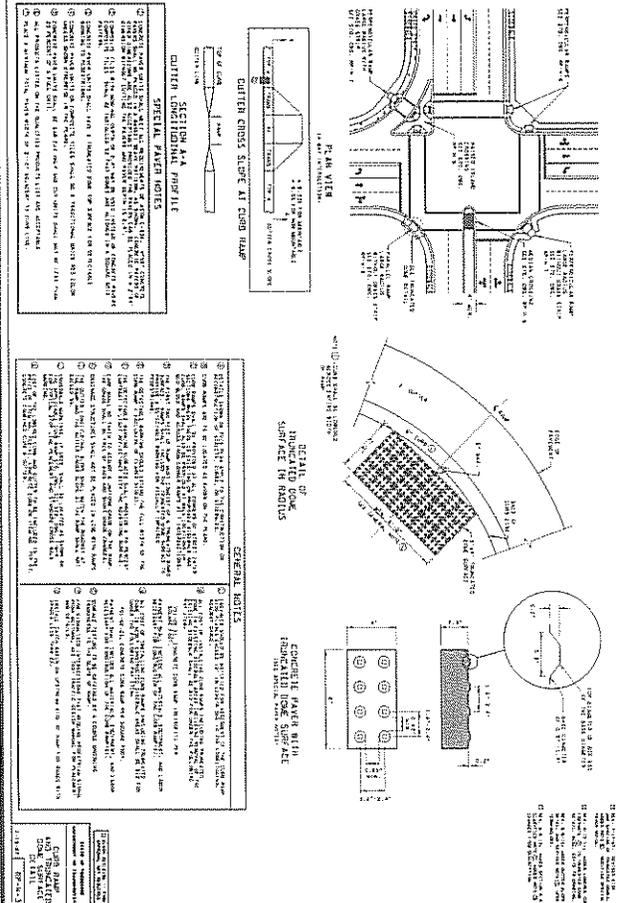
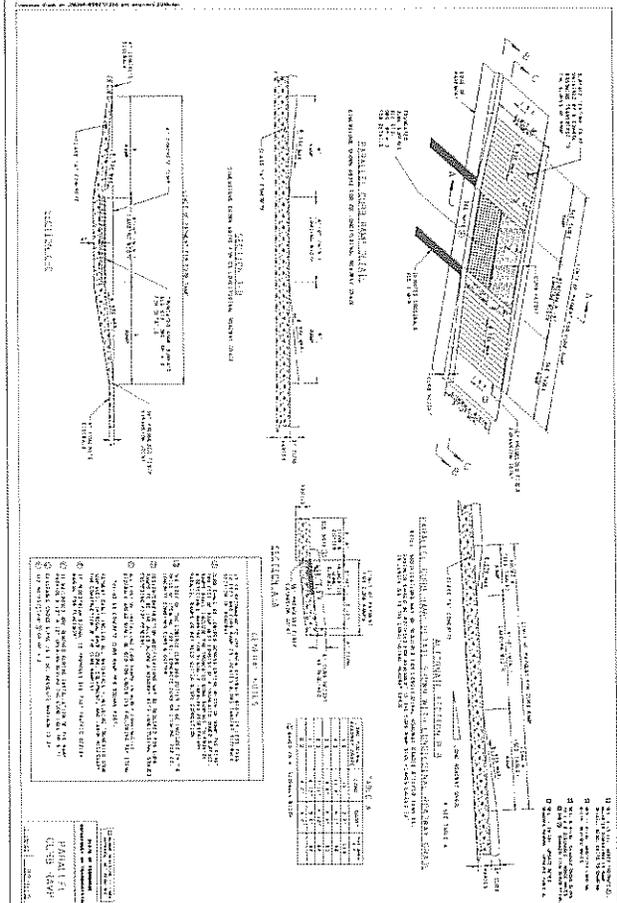
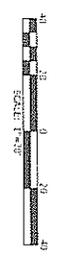
SECTION B-B
 DIMENSIONS SHOWN ABOVE FOR 0% LONGITUDINAL ROADWAY GRADE



SECTION C-C



THE PROPOSED CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION OF THE INDIANAPOLIS DEPARTMENT OF TRANSPORTATION, LATEST EDITION, AND SECTION 17.0200.



NO.	DATE	REVISION	DR.	CHK.

LAYOUT PLAN AND DETAILS
CCHS CROSSWALK

St. John ENGINEERING, LLC
ENGINEERING • PLANNING • ENVIRONMENTAL CONSULTING
825 JACKSON STREET
MARIETTA, GA 30067
FAX: 770.428.1234
WWW.STJOHNENGINEERING.COM

JOB 102-124
SHEET C1.0
OF SHEETS