

## DETAILED SPECIFICATIONS

### PART I CURBING FOR PROJECTS AND MAINTENANCE

Jefferson County solicits bids to furnish at specified sites, conventionally formed or machine formed concrete curbing, or granite curbing for various projects.

#### GENERAL NOTES

The County seeks a unit price per foot to supply all labor, materials, and equipment necessary to complete the work in compliance with the most recent *Standard Specifications for Construction and Materials* of the New York State Department of Transportation and addenda. Payments shall be made for requested services or materials measured in Customary US units.

#### DESCRIPTION OF ITEM

Curbing is to be installed to the lines and grades given in the project drawings.

Trenching and general grading required for this work shall be performed by the Owner or the Owner's subcontractor. Minor grading required for fine grading shall be performed by the curbing Contractor. All concrete finishing work shall be performed by the curbing Contractor to the line and grade depicted on the plans and the standard sheets. Paving, top soiling and seeding will be performed by others.

#### QUALIFICATION OF FIRM

No response will be considered for award unless the firm submitting the response can meet the following conditions:

- a. The firm, at the time of the response, must have at least five years experience in repair or replacement of concrete or granite curbing for the State of New York and its political subdivisions. Each operator, supervisor, and foreman shall have equivalent experience.
- b. The bidder shall possess a current and valid license to conduct business in the State of New York.

The Contractor is to supply all labor, small tools, transportation, goods, and supplies to properly execute the work as described herein. The written purchase order will describe the location, type of curbing material, depths, widths and yield required.

The Contractor shall perform all work in a workmanlike manner with due regard to the safety and health of the employees and of the public, in full compliance with the provisions of all applicable laws. The Contractor shall be responsible for traffic control in full compliance with the provisions of the Manual of Uniform Traffic Control Devices. All work shall be completed without environmental damage to any stream, body of water or drinking water source and be in conformance with the provisions of the County's Memorandum of Understanding with the NYSDEC or any permits issued by the DEC or the Army Corps of Engineers.

#### BASIS OF PAYMENT

The unit price bid shall include the cost of furnishing all labor, (including any supplements, holidays, or other "fringes"), equipment, materials, small tools, transportation and goods and supplies necessary to complete the work as specified.

**BID FORM**

**COMPANY NAME:** \_\_\_\_\_

**PART I CURBING FOR PROJECTS AND MAINTENANCE**

The bidder agrees to provide and install to line and grade, curb units as specified herein for the following sum:

**Item 609-3.04 Conventionally formed or machine formed concrete curb and gutter per L.F.  
(Class A Concrete as Spec. in Section 501) VF-150G, M100G**

for \_\_\_\_\_ dollars per foot, first 100 LF  
per Purchase Order ( \_\_\_\_\_ )

for \_\_\_\_\_ dollars per foot, over 100 LF  
per Purchase Order ( \_\_\_\_\_ )

*Award based upon 800 lf of installation. Actual quantity may vary.*

**Item 609-3.04 Conventionally formed or machine formed concrete curb per L.F.  
(Types VF-150; or T100) (Types VF-150g) VF150A, M150A, M100A, M100, M150**

for \_\_\_\_\_ dollars per foot, first 100 LF  
per Purchase Order ( \_\_\_\_\_ )

for \_\_\_\_\_ dollars per foot, over 10) LF  
per Purchase Order ( \_\_\_\_\_ )

*Award based upon 800 lf of installation. Actual quantity may vary.*

**Item 609.04JC Pinned Add-on Curbing, per L.F.**

for \_\_\_\_\_ dollars per foot, first 100 LF  
per Purchase Order ( \_\_\_\_\_ )

for \_\_\_\_\_ dollars per foot, over 100 LF  
per Purchase Order ( \_\_\_\_\_ )

*Award based upon 800 lf of installation. Actual quantity may vary.*

**Attached Bid Checklist, Signature/Non-Collusive Page, and Iran Notice must be signed to complete the bid.**

**BID FORM**

**COMPANY NAME:** \_\_\_\_\_

**PART II - PRECAST REINFORCED CONCRETE PIPE**

**SCOPE:** This specification covers the material and fabrication for precast reinforced concrete pipe and cattle passes.

**GENERAL:** All materials furnished must comply with the detailed requirements of the most recent New York State Department of Transportation material. Pipe will be fabricated to conform to material specifications of section 706-02, 706-03, or 706-04 as required.

**BASIS OF ACCEPTANCE:** Reinforced Concrete pipe will be accepted on the basis of certification of quality assurance performed by the manufacturer as provided in section 706-02 3)A) (2) Production Testing.

The sizes listed in the following table are to be furnished as required by the County. Quantities listed are for determination of low gross bid only, actual quantities may vary. Price bid is per lineal foot of pipe.

**DELIVERY:** Delivery shall be made via truck within twenty one (21) days after purchase order is given. Delivery is to be designated job site within Jefferson County, to County Highway complex, or to any Town Garage within the County. Prices quoted shall be F.O.B. job site or County Garage. A twenty-four (24) hour notice prior to delivery will be made to the ordering agency.

SIZE	ESTIMATED QUANTITY EACH SIZE	ROUND PIPE			ELLIPTICAL PIPE		
		706.02 Price Per Foot of Pipe			706.03 Price Per Foot of Pipe		
		II	III		HEII	HEIII	HEI
36"	44'			29x45			
42"	44'			34X53			
48"	50'			38X60			
54"	50'			43X68			
50"	50'			48X76			
66"	80'			53X83			
72"	80'			58X91			
78"	60'			63X98			

TOTAL GROSS BID \_\_\_\_\_

Attached Bid Checklist, Signature/Non-Collusive Page, and Iran Notice must be signed to complete the bid.

## DETAILED SPECIFICATIONS

### Part III PRECAST CONCRETE DRAINAGE UNITS

**SCOPE:** This specification covers the material and fabrication for Precast Drop Inlets and Transverse Drainage Interceptor Units.

**GENERAL:** All material furnished under this contract must comply with the detailed requirements of the most recent New York State Department of Transportation Material Specifications.

**Drainage Structures.** Materials used for the construction of drainage structures shall conform to the requirements of the following:

<b>Material:</b>	<b>NYSDoT 2017 Spec Section:</b>
Cast-in-Place Concrete - Class A	501
Frames and Grates	655
Concrete Repair Material	701-04
Concrete Grouting Material	701-05
Masonry Mortar	705-21
Reinforced Concrete Pipe	706 02
Precast Concrete Drainage Units	706-04
Bar Reinforcement, Grade 60	709-01
Wire Fabric for Concrete Reinforcement	709-02
Cold Drawn Wire for Concrete Reinforcement	709-09
Steps for Manholes	725-02

**Transverse Drainage Interceptors.** Materials used for transverse drainage interceptors shall meet the requirements of §604-2.02.01, except that bar reinforcement shall meet the requirements of §709-04, Epoxy Coated Bar Reinforcement, Grade 60. Precast transverse drainage interceptors shall meet the requirements of §706-04, Precast Concrete Drainage Units. Dowels shall be fabricated from epoxy coated bar reinforcement conforming to §709-04.

### CONSTRUCTION DETAILS

**Concrete Drainage Structures and Manholes** shall be constructed in accordance with section 604-3.02 of the current edition of the requirements of these specifications, the Standard Sheets and plans. Precast drainage structures shall be constructed of Class A Concrete and to the requirements of Section 555 Structural Concrete. Vendor proposed changes to drainage structures shown on the Standard Sheets or on the plans, other than minor changes approved by the Engineer, shall require submission of complete working drawings to the Engineer for review and approval.

**Pipe Entries.** All pipe(s) built into the wall(s) of a drainage structure shall be flush with the inside face of the drainage structure wall and shall project outside a sufficient distance to allow connection with the adjoining section. The wall knockouts and sealing the space around the pipe shall be in accordance with the Standard Sheets. The bell of concrete pipe shall be cut off at every pipe entry where the bell enters the drainage structure.

**Frames and Grates:** The precast drainage units shall be capable of accepting Standard sized NYSDoT Rectangular grates and frames or cast frames and curb boxes, which will be obtained through a separate bid item.

**Concrete Covers:** Precast concrete covers shall be fabricated as provided in the standard sheets.

**Transverse Drainage Interceptors:** This work shall consist of the construction of reinforced concrete transverse drainage interceptors with frames and grates, and dowels as shown on the plans or Standard Sheets.

#### **METHOD OF MEASUREMENT**

**Drainage Structures.** Precast drainage units will be measured for payment by the number of linear feet of height measured to the nearest tenth of a foot from the bottom of the base to the top of the masonry, including the top slab.

#### **BASIS OF PAYMENT**

**Drainage Structures.** The unit price bid per linear foot shall include the cost of all labor, equipment and materials, including bar reinforcement and welded wire fabric, necessary to provide the product

**Frames, Covers and Grates.** Frames and grates will be paid for under the appropriate payment items for Frames and Grates in Item 14.

Precast concrete covers will be paid for individually at the unit price provided in this item.

**Transverse Drainage Interceptors.** The price per linear foot bid for this work shall include the cost of furnishing all labor, materials and equipment necessary to supply the transverse Drainage interceptors

**BASIS OF ACCEPTANCE:** Precast concrete drainage units will be accepted by certification of quality assurance testing performed by the manufacturer as in "1. Production Testing" as described in the NYSDoT Material Specification Item 706-04. The precast concrete drainage unit shall be shipped once the compressive strength requirement is attained.

The sizes listed in table following are to be furnished as required. Openings in Drop Inlet Walls will be cast in as specified with each order. Quantities required may vary due to circumstances, however, price on one (1) foot length times quantity required will determine gross sum bid. Low gross sum bid will determine successful bidder.

**DELIVERY:** Delivery shall be made via truck within twenty one (21) days after order is given. Delivery will be to designated job site, within Jefferson County, to County Garage Grounds, or to any Town Garage within the County. Prices quoted shall be F.O.B. job site or County Highway Department. A twenty-four (24) hour notice prior to delivery will be made to the ordering agency. Friday deliveries are not taken from May through September.

**B I D   F O R M**

COMPANY NAME: \_\_\_\_\_

**Part III a   PRECAST RECTANGULAR DRAINAGE UNITS**

<b>NYSDOT DROP INLET NO.</b>	<b>DIMENSION A x B RE: ATTACH #1</b>	<b>BID PRICE PER L.F.</b>	<b>Precast Cover PER EA.</b>	<b>Frame</b>	<b>Grate</b>	<b>GROSS BID</b>
	24" X 24"			5423 – Cast Iron		
A	36" X 36"			5636 – Cast Iron		
Q	34-1/16" x 36-1/32"			Type – F2	Type – F2	
R	34-1/16" x 46-1/16"			Type – F3	Type – F3	
S	24" x 32-3/32"			Type – 11	Type – 11	
T	26" x 41-15/16"			Type – 16	Type – 16	
U	34-1/16" x 38"			Type - 22	Type - 22	
	<b>TOTAL GROSS BID</b>					

**TRANSVERSE DRAINAGE INTERCEPTOR UNITS, INCLUDING GRATE** \_\_\_\_\_ **EA.**

**ONSITE CORE DRILLING** \_\_\_\_\_ **EA. CORE**

**JERSEY BARRIERS**      20' NYSDOT approved \_\_\_\_\_ **EA.**

Left or Right Run Out \_\_\_\_\_ **EA.**

**Part III-b PRECAST ROUND DRAINAGE UNITS - to include Steps, Sealer and Invert Openings**

<b>NYSDOT Structure internal dia (in)</b>	<b>NO. OF UNITS REQUIRED</b>	<b>BID PRICE PER Ea. BASE UNIT</b>	<b>BID PRICE PER V.L.F. RISER UNIT</b>	<b>BID PRICE PER Ea. SLAB COVER</b>	<b>BID PRICE PER Ea. RISER 2" / 4"</b>
48"	5				/
60"	5				/
72"	5				/
84"	5				/
96"	5				/

**Part III-c SQUARE DRAINAGE UNITS – 24" x 24" Lawn Drain/Catch Basin with Grate**

<b>Polyethylene</b>	<b>\$/ft</b>	<b>Grate</b>	<b>Frame</b>	<b>Riser</b>	<b>Core \$/hole</b>
Price Each	\$	\$	\$	\$	\$

<b>Precast Concrete</b>	<b>\$/ft</b>	<b>Grate</b>	<b>Frame</b>	<b>Riser</b>	<b>Core \$/hole</b>
Price Each	\$	\$	\$	\$	\$

**Part III-c2 SQUARE DRAINAGE UNITS – 36" X 36" Lawn Drain/Catch Basin with Grate**

<b>Polyethylene</b>	<b>\$/ft</b>	<b>Grate</b>	<b>Frame</b>	<b>Riser</b>	<b>Core \$/hole</b>
Price Each	\$	\$	\$	\$	\$

<b>Precast Concrete</b>	<b>\$/ft</b>	<b>Grate</b>	<b>Frame</b>	<b>Riser</b>	<b>Core \$/hole</b>
Price Each	\$	\$	\$	\$	\$

Attached Bid Checklist, Signature/Non-Collusive Page, and Iran Notice must be signed to complete the bid.

**BID CHECKLIST**

The documents required to complete this bid are indicated below.

- (X) Insurance Certificates See Exhibit A, pages F-G
- (X) Iran Notice See Pages 27I – 27J

- \_\_\_\_\_ We have reviewed and have submitted the items required under the Mandatory Submission Requirements.
- \_\_\_\_\_ The Bid Page(s), Signature/Non-Collusive Page, and Iran Notice are completed and included.
- \_\_\_\_\_ Deviations are noted and explained.
- \_\_\_\_\_ Insurance Certificates are enclosed if required.

**WAIVER OF IMMUNITY/NON-COLLUSIVE BIDDING CERTIFICATE PURSUANT TO SECTION 103-D OF THE NEW YORK STATE GENERAL MUNICIPAL LAW**

- A. By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid, each party thereto certifies as to its own organizations, under penalty of perjury, that to the best of knowledge and belief:
1. The prices in this bid have been arrived at independently without collusion, consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor.
  2. Unless otherwise required by law, the prices which have been quoted in this bid have not knowingly been disclosed by the bidder and will not knowingly be disclosed by the bidder, directly or indirectly, prior to opening, to any bidder or to any competitor.
  3. No attempt has been made or will be made by the bidder to induce any other person, partnership or corporation to submit or not to submit a bid for the purpose of restricting competition.

A bid shall not be considered for award nor shall any award be made where 1, 2, and 3 above have not been complied with; provided, however, that in any case the bidder cannot make to foregoing certification, the bidder shall so state and shall furnish with the bid a signed statement which sets forth in detail the reasons thereof. Where 1, 2, and 3 above have not been complied with, the bid shall not be considered for any award nor shall any award be made unless the head of the Purchasing Unit to the political subdivision, public department, agency or official thereof to which the bid is made, or his designee, determines that such disclosure was not made for the purpose of restricting competition.

The fact that a bidder (a) has published price lists, rates, or tariffs covering items being procured, (b) has informed prospective customer of proposed or pending publications of new or revised price lists for such items, or © has sold the same items to other customers at the same prices being bid, does not constitute, without more, a disclosure within the meaning of paragraph "A" above.

- B. Any bid hereafter made to any political subdivision of the state or any public department, agency or official thereof by a corporate bidder for work or services performed or to be performed or goods sold or to be sold, where competitive bidding is required by statute, rule, regulation, local law, and where such bid contains the certification referred to in paragraph "A" of this section, shall be deemed to have been authorized by the Board of Directors of the bidder, and such authorization shall be deemed to include the submission of the bid and the inclusion therein of the certificate of non-collusion as the act and deed of the corporation.

**SIGNATURE PAGE ON REVERSE MUST BE SIGNED TO COMPLETE THE BID.**



**SIGNATURE PAGE**

The undersigned proposes to furnish products or services to specifications included in this bid document, at the price(s) set forth, as required to meet the County's needs. Any deviation to the specifications must be noted on the bid form and fully explained or the deviations will not be considered part of the bid.

Deviations: Yes \_\_\_\_\_ No \_\_\_\_\_

**By signing below I am certifying that I fully understand the complete requirements of the bid and agree to the non-collusive certification on the reverse of this page and additional documents as specified on the bid checklist. Bidder hereby acknowledges receipt of all addenda pertaining to this bid which are made part of the original bid specifications.**

\_\_\_\_\_ COMPANY NAME

\_\_\_\_\_ ADDRESS (Principal Office)

\_\_\_\_\_ CITY, STATE, ZIP CODE

\_\_\_\_\_ AREA CODE/TELEPHONE NUMBER

\_\_\_\_\_ FAX NUMBER

\_\_\_\_\_ AUTHORIZED SIGNATURE

\_\_\_\_\_ PRINTED NAME

\_\_\_\_\_ TITLE

\_\_\_\_\_ DATE

\_\_\_\_\_ ADDRESS (Local Office)

\_\_\_\_\_ CITY, STATE, ZIP CODE

\_\_\_\_\_ AREA CODE/TELEPHONE NUMBER

\_\_\_\_\_ FAX NUMBER

\_\_\_\_\_ E-MAIL ADDRESS

Check One: Corporation \_\_\_\_\_ Partnership \_\_\_\_\_ Individual \_\_\_\_\_

Incorporated under the laws of the State of \_\_\_\_\_

Federal Identification # \_\_\_\_\_

State if authorized to do business in the State of New York: Yes \_\_\_\_\_ No \_\_\_\_\_

Names/Addresses of Partners:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Iranian Energy Sector Divestment**

Contractor hereby represents that said Contractor is in compliance with New York State General Municipal Law Section 103-g entitled “Iranian Energy Sector Divestment”, in that said Contractor has not:

- a. Provided goods and services of \$20 Million or more in the energy sector of Iran including but not limited to the provision of oil or liquefied natural gas tankers or products used to construct or maintain pipelines used to transport oil or liquefied natural gas for the energy sector of Iran; or
- b. Acted as a financial institution and extended \$20 Million or more in credit to another person for forty-five days or more, if that person’s intent was to use the credit to provide goods or services in the energy sector in Iran.

Any Contractor who has undertaken any of the above and is identified on a list created pursuant to Section 165-a (3)(b) of the New York State Finance Law as a person engaging in investment activities in Iran, shall not be deemed a responsible Bidder pursuant to Section 103 of the New York State General Municipal Law.

Except as otherwise specifically provided herein, every Contractor submitting a bid in response to this Request for Bids must certify and affirm the following under penalties of perjury:

- a. “By submission of this bid, each Bidder and each person signing on behalf of any Bidder certifies, and in the case of a joint bid, each party thereto certifies as to its own organization, under penalty of perjury, that to the best of its knowledge and belief, that each Bidder is not on the list created pursuant to NYS Finance Law Section 165-a (3)(b).”

Jefferson County will accept this statement electronically in accordance with the provisions of Section 103 of the General Municipal Law.

Except as otherwise specifically provided herein, any Bid that is submitted without having complied with subdivision (a) above, shall not be considered for award. In any case where the Bidder cannot make the certification as set forth in subdivision (a) above, the Bidder shall so state and shall furnish with the bid a signed statement setting forth in detail the reasons therefore. The County reserves its rights, in accordance with General Municipal Law Section 103-g to award the Bid to any Bidder who cannot make certification, on a case-by-case basis under the following circumstances.

1. The investment activities in Iran were made before April 12, 2012, the investment activities in Iran have not been expanded or renewed after April 12, 2012, and the Bidder has adopted, publicized and is implementing a formal plan to cease the investment activities in Iran and to refrain from engaging in any new investments in Iran; or
2. The County of Jefferson has made a determination that the goods or services are necessary for the County to perform its functions and that, absent such an exemption, the County of Jefferson would be unable to obtain the goods or services for which the Bid is offered. Such a determination shall be made by the County in writing and shall be a public document.

Attachment  
Certification Pursuant to Section 103-g  
of the New York State  
General Municipal Law

- A. By submission of this bid, each Bidder and each person signing on behalf of any Bidder certifies, and in the case of a joint bid, each party thereto certifies as to its own organization, under penalty of perjury, that to the best of its knowledge and belief that each Bidder is not on the list created pursuant to paragraph (b) of subdivision 3 of Section 165-a of the New York State Finance Law.
- B. A Bid shall not be considered for award, nor shall any award be made where the condition set forth in Paragraph A above has not been complied with; provided, however, that in any case the Bidder cannot make the foregoing certification set forth in Paragraph A above, the Bidder shall so state and shall furnish with the bid a signed statement which sets forth in detail the reasons therefore. Where Paragraph A above cannot be complied with, the Purchasing Unit to the political subdivision, public department, agency or official thereof to whom the bid is made, or his designee, may award a bid, on a case by case basis under the following circumstances:
1. The investment activities in Iran were made before April 12, 2012, the investment activities in Iran have not been expanded or renewed after April 12, 2012, and the Bidder has adopted, publicized and is implementing a formal plan to cease the investment activities in Iran and to refrain from engaging in any new investments in Iran; or
  2. The political subdivision makes a determination that the goods or services are necessary for the political subdivision to perform its functions and that, absent such an exemption, the political subdivision would be unable to obtain the goods and services for which the contract is offered. Such a determination shall be made in writing and shall be a public document.

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Signature

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Title

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Date

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Company Name