



**OHIO TURNPIKE AND
INFRASTRUCTURE COMMISSION**

ADDENDUM NO. 1
ISSUED: AUGUST 8, 2024

to

BID INVITATION NO. 4463

OPENING DATE: 2:00 P.M. (EASTERN TIME), AUGUST 19, 2024

ATTENTION OF BIDDERS IS DIRECTED TO:

ANSWERS TO QUESTIONS RECEIVED THROUGH 4:00 P.M. ON AUGUST 8, 2024

Issued by the Ohio Turnpike and Infrastructure Commission through Aimee W. Lane, Esq., Director of Contracts Administration.

Aimee W. Lane

Aimee W. Lane, Esq.,
Director of Contracts Administration

August 8, 2024
Date

ANSWERS TO QUESTIONS RECEIVED THROUGH 4:00 P.M. ON AUGUST 8, 2024:

Q#1 Attached is what I believe to be an error in the measurements of the various slide gates which would result in some gates being incorrect for the application.

The correct measurement needed is the driveway width, not the width of the gate. This is necessary as the actual overall width of a cantilever slide gate is wider than the driveway opening. The extra gate width is needed for weight ballast and balancing, and typically is not covered with the mesh fencing. It appears as if some gate measurements were for existing lift gates and some measurements were for overall length of existing slide gates. It would be clearer and more consistent if the description read:

Equipment: (1) New 6' x X'X" driveway width galvanized cantilever slide gate with all parts.....etc.

A#1 The Commission concurs and has made the proposed change to the bidding documents. A revised Section 7 – Specifications and Bid Form - Proposal is hereby issued with the updated dimensions for each gate and is provided with this Addendum No. 1. This revised bid form shall replace the previous bid form entirely. Submitted proposals shall use the attached revised bid proposal form. Revisions to items are highlighted in red in the attached bid proposal form and specifications.

END OF ADDENDUM NO. 1

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

BID FORM - PROPOSAL

CANTILEVER SLIDE ACCESS GATES

ITEM	DESCRIPTION	QTY	UNIT	TOTAL UNIT BID PRICE
1 SPEC OTIC NO. 10	Equipment: (1) New 6' x 22' (driveway width) Galvanized Cantilever Slide Gate with all parts, post & hardware to install, (1) Linear HSLG-111, 120v Slide Gate Operator, or approved equal (1) Reflective Photo Eye, (1) Gate Safety Edge, and (2) Loop Detector	1	EA.	\$ _____
	Delivery Cost for Gate No. 1, if not within 80-mile radius:	1	LUMP	\$ _____
2 SPEC OTIC NO. 25	Equipment: (1) New 6' x 16' (driveway width) Galvanized Cantilever Slide Gate with all parts, post & hardware to install, (1) Linear HSLG-111, 120v Slide Gate Operator, or approved equal (1) Reflective Photo Eye, (1) Gate Safety Edge, and (2) Loop Detector	1	EA.	\$ _____
	Delivery Cost for Gate No. 2, if not within 80-mile radius:	1	LUMP	\$ _____
3 SPEC OTIC NO. 39	Equipment: (1) New 6' x 25' (driveway width) Galvanized Cantilever Slide Gate with all parts, post & hardware to install, (1) Linear HSLG-111, 120v Slide Gate Operator, or approved equal (1) Reflective Photo Eye, (1) Gate Safety Edge, and (2) Loop Detector	1	EA.	\$ _____
	Delivery Cost for Gate No. 3, if not within 80-mile radius:	1	LUMP	\$ _____
4 SPEC OTIC NO. 45	Equipment: (1) New 6' x 20'-8" (driveway width) Galvanized Cantilever Slide Gate with all parts, post & hardware to install, (1) Linear HSLG-111, 120v Slide Gate Operator, or approved equal (1) Reflective Photo Eye, (1) Gate Safety Edge, and (2) Loop Detector	1	EA.	\$ _____
	Delivery Cost for Gate No. 4, if not within 80-mile radius:	1	LUMP	\$ _____
5 SPEC OTIC NO. 89	Equipment: (1) New 6' x 16' (driveway width) Galvanized Cantilever Slide Gate with all parts, post & hardware to install, (1) Linear HSLG-111, 120v Slide Gate Operator, or approved equal (1) Reflective Photo Eye, (1) Gate Safety Edge, and (2) Loop Detector	1	EA.	\$ _____
	Delivery Cost for Gate No. 5, if not within 80-mile radius:	1	LUMP	\$ _____
6 SPEC OTIC NO. 103	Equipment: (1) New 6' x 21' (driveway width) Galvanized Cantilever Slide Gate with all parts, post & hardware to install, (1) Linear HSLG-111, 120v Slide Gate Operator, or approved equal (1) Reflective Photo Eye, (1) Gate Safety Edge, and (2) Loop Detector	1	EA.	\$ _____
	Delivery Cost for Gate No. 6, if not within 80-mile radius:	1	LUMP	\$ _____
7 SPEC OTIC NO. 104	Equipment: (1) New 6' x 21' (driveway width) Galvanized Cantilever Slide Gate with all parts, post & hardware to install, (1) Linear HSLG-111, 120v Slide Gate Operator, or approved equal (1) Reflective Photo Eye, (1) Gate Safety Edge, and (2) Loop Detector	1	EA.	\$ _____
	Delivery Cost for Gate No. 7, if not within 80-mile radius:	1	LUMP	\$ _____
Total Amount Bid (Items No. 1 through No. 7) Including delivery cost, if not within 80-mile radius				\$ _____

* Bids shall contain only firm, net prices void of escalator or other contingent clauses, and shall not include any state and/or federal taxes. Above prices shall be net thirty (30) days after delivery and acceptance of all Items covered by the Contract and receipt of invoice for same.

Any term discount for payment within twenty (20) days after date of delivery and acceptance of the service and receipt of invoice shall be as follows: _____% of bid price. (See "Discount Terms" in the Additional Terms at page 4.)

PART 7
SPECIFICATIONS

Shown below are the specification requirements for equipment that the Ohio Turnpike and Infrastructure Commission (OTIC) desires to purchase. These specifications are only considered as necessary to establish functional requirements. Proprietary design, exact dimensions, capacities, or restrictive features will not preclude acceptance of other recognized alternates meeting comparable performance requirements as determined by the Maintenance Engineer.

CANTILEVER SLIDE GATES

PART 1 - GENERAL

SECTION INCLUDES

- A. Chain link cantilever slide gates with enclosed aluminum track and hardware.
- B. Gate Operators and safety devices.

SUBMITTALS

- A. Product Data: Manufacturer's catalog cuts with printed specifications and installation instructions indicating material compliance and specified options.
- B. Shop drawings: Layout of gates with dimensions, post spacing, details, and finishes of components, and accessories.
 - 1. Provide detailed product data for electrical operators and gate edge sensor. Include wiring diagrams.
 - 2. The Vendor shall verify all dimensions and details according to the contract documents or other data received from the Ohio Turnpike and Infrastructure Commission and shall notify the Commission of all errors, omissions, conflicts, and discrepancies found therein. Notice of such errors shall be given to the Commission before the Vendor proceeds with the fabrication of the cantilever slide gates.
- C. Safety literature: manufacturer shall supply a copy of its safety literature with each operator.
- D. Warning signs: manufacturer shall supply warning signs, in compliance with requirements of UL325.
- E. Furnish two (2) copies of manufacturer's operators and parts manual. Manual to include parts list showing manufacturer's names and part numbers of all components associated with the cantilever slide gate and the gate operator.
- F. Certificates: Furnish manufacture's certification indicating system provided complies with specified requirements in this bid document.

WARRANTY

- A. Provide manufacturer's standard limited warranty covering cantilever slide gate and truck assembly against failure resulting from normal use based on manufacturer's literature for a period of 3 years from date of purchase. Failure shall be defined as any defect in manufacturing, which prevents the gate from operating as intended. This warranty shall include the repair or replacement of all malfunctioning components. A copy of the Manufacturer's Warranty information shall be provided with bid submittal. If not provided as part of the bid response, the Bidder must provide said warranty information within five (5) calendar days after request/notification by the Ohio Turnpike and Infrastructure Commission to do so. Failure of the bidder to furnish manufacturer's warranty

information either as part of their bid response or within the time specified herein may deem the bidder not responsive. All parts offered must be new (not used or remanufactured).

PART 2 – PRODUCTS

GENERAL REQUIREMENTS:

MANUFACTURER

- A. Basis of Design for Cantilever Slide Gate: SurTrac Aluminum Cantilever Slide Gate by Master Halco, Inc. (888-643-3623) or approved equal.
- B. Basis of Design for Gate Operator: Model HSLG 1 hp, manufactured by Linear Corporation (800-543-4283) or approved equal.
- C. Basis of Design for Gate Safety Edge: Model SGEK manufactured by Linear Pro Access (800-543-4283) or approved equal.
- D. Gate manufacturer shall certify gate is manufactured in compliance with ASTM F 2200, Standard Specification for Automated Vehicular Gate Construction and the operators are UL 325 listed.

CANTILEVER SLIDE GATES

- A. Gate frames: Fabricate chain link cantilever slide gates in accordance with ASTM F1184, Type II, Class 2, using aluminum members conforming to ASTM B 221, alloy and temper 6061-T6. Vertical members shall be 2 inch (50mm) square aluminum, weighing 1.13 lb./ft., 2 inch x 4 inch aluminum bottom frame member weighing 1.73 lb./ft., and a one-piece aluminum track/frame member weighing a minimum of 4.621 lb./ft. for Single Track. The 2 inch square frame member of said track/ frame shall have a wall thickness of not less than .250 inches on all four sides. Aluminum alloy used shall be 6061-T6 only. Internal uprights shall be 2-inch square aluminum spaced equally at no more than 6 feet on center subdividing the gate frame into panels. Weld all members together forming a rigid one-piece frame integral with top track. Provide 2 truck assemblies for each gate leaf, except as indicated for gates larger than 30' (9144mm). Frame sizes over 27' (8230 mm) in length shall be shipped in 2 parts and field spliced with special attachments provided by the manufacturer.
- B. For gate leaf sizes 31' (9449 mm) to 50' (15,240 mm), a single extruded member forming a dual enclosed track/frame without welding shall be employed. An integral 2" x 4" dimensional top frame, with center stabilizing web, shall be integral to the aluminum track/frame profile all thicknesses to be 0.25" (6.35 mm). Dual top track/frame profile to weigh 7.95 lbs./ft. Provide 2 truck assemblies for each track for each gate leaf, total 4 truck assemblies. Bottom rail shall consist of 2" x 4" (50mm x 100 mm) aluminum member weighing 1.73 lb./ft. (2.67 kg/m).
- C. Gate Frame Finish: Natural Aluminum Chain Link Filler Finish: To match specification of existing fence All Operated Chain-Link Cantilever slide gates will be filled across the entire length of the panel (including the back frame counterbalance) to satisfy UL325 and ASTM F-2200 safe gate design guidelines.
- D. Fence fabric shall be attached between each internal upright with hook bolts spaced no more than 15 inches (380 mm) on center as recommended by the manufacturer.

- E. Trussing: Each bay shall be cross-trussed by means of 1/4" cable with adjustable turnbuckles. Trusses will maintain the structural integrity of the gate while allowing for expansion and contraction of aluminum in varying weather conditions.
- F. Top track/rail: Enclosed combination one-piece track and rail, aluminum extrusion with weight of: Openings up to 30'; 4.62 lbs./ft. Top track/rail to be a single formed profile with integrated center stabilizing web without welding. All wall thicknesses to be 0.25". Openings up to 31' to 50'; 7.95 lbs./ft. Top track/rail to be a single formed profile with integrated center stabilizing web without welding. All wall thicknesses to be 0.25".
- G. Truck assembly: Swivel type, zinc die coated steel, with 6 sealed lubricant ball bearing rollers, 2 inches (50 mm) in diameter by 9/16" (14 mm) in width, and 2 side rolling wheels to ensure truck alignment in track. Mount trucks on post brackets using 7/8" (22 mm) diameter ball bolts with 5/8" (16 mm) shank. Truck assembly shall withstand same reaction load as track 2,000 # (907.2 kg.).
- H. Gate hangers, brackets, guide assemblies, receivers, and latches: Malleable iron or steel, galvanized after fabrication.
- I. Bottom guide wheel assemblies: Each assembly shall consist of two, 3" (75 mm) diameter wheels, straddling bottom horizontal gate rail, allowing adjustment to maintain gate frame plumb and in proper alignment. Attach one assembly to each support post.
- J. End Plug: Both ends of the combination track/frame member shall be closed off with a shock absorbing plastic block that shall also serve as a stop bracket.
- K. Gate posts: For gates under 31'-0" (9449 mm): galvanized steel 4" (101.6 mm) OD schedule 40 pipe, ASTM F 1083, weighing 9.1 lb./ft. (13.6 kg/m). Provide 1 latch post and 2 support posts for single slide gates and 4 support posts for double slide gates. For gates 31'-0" (9449 mm) or larger: 2 pairs of support posts for each leaf (dual) 4" (100 mm) OD schedule 40 pipe, ASTM F 1083, weighing 9.1 lb./ft. (13.6 kg/m) each. Posts connected by welding 6 inch x 3/8 inch (12.7 x 9.5mm) plate between posts as shown on shop drawings. Provide one 4" (100 mm) latch post for each opening.
- L. Finish: to match fence.

GATE OPERATOR

- A. Heavy-duty slide gate operator with integral controller, double V-belt to chain reduction, #40 roller chain, manual emergency disconnect, with powder-coated steel cabinet, pad-mounted.

GATE SAFETY EDGE

- A. Complete supervised gate edge monitoring system, including transmitter, receiver, logistics board and all other appurtenances for complete installation.

CERTIFICATIONS

- A. American Welding Society AWS D1.2 Structural Welding Code.
 - 1. All welds on the gate frame shall conform to Welding Procedure Specification and Procedure Qualification Record to insure conformance to the AWS D1.2 Structural

Welding Code. All individual welders shall be certified to AWS D1.2 welding code.

- B. Gate manufacturer shall provide independent certification as to the use of a documented Welding Procedure Specification and Procedure Qualification Record to insure conformance to the AWS D1.2 welding code. Upon request, Individual Certificates of Welder Qualification documenting successful completion of the requirements of the AWS D1.2 code shall also be provided.

MINIMUM REQUIREMENTS

- A. These specifications detail minimum requirements acceptable to the Ohio Turnpike and Infrastructure Commission. Should the manufacturer's current specifications exceed these, they shall be considered minimum and shall be furnished, and equipment and components included in the bid shall be stipulated.
- B. Any and all parts not specifically mentioned in these specifications, but which are required for proper and safe operation of the cantilever slide gates shall be furnished by the bidder and shall conform in strength, quality of material and workmanship to that provided by the industry in general. All items not specifically mentioned but which are standard factory items shall be furnished.

SPECIFIC REQUIREMENTS:

Item No. 1 – OTIC Gate No. 10:

One (1) each new 6' x **22' (driveway width)** Galvanized Cantilever Slide Gate with all parts, post & hardware to install

One (1) each Linear HSLG-111, 120v Slide Gate Operator, or approved equal

One (1) each Reflective Photo Eye

One (1) each Gate Safety Edge

Two (2) each Loop Detector

Item No. 2 – OTIC Gate No. 25:

One (1) each new 6' x **16' (driveway width)** Galvanized Cantilever Slide Gate with all parts, post & hardware to install

One (1) each Linear HSLG-111, 120v Slide Gate Operator, or approved equal

One (1) each Reflective Photo Eye

One (1) each Gate Safety Edge

Two (2) each Loop Detector

Item No. 3 – OTIC Gate No. 39:

One (1) each new 6' x **25' (driveway width)** Galvanized Cantilever Slide Gate with all parts, post & hardware to install

One (1) each Linear HSLG-111, 120v Slide Gate Operator, or approved equal

One (1) each Reflective Photo Eye

One (1) each Gate Safety Edge

Two (2) each Loop Detector

Item No. 4 – OTIC Gate No. 45:

One (1) each new 6' x **20'-8" (driveway width)** Galvanized Cantilever Slide Gate with all parts, post & hardware to install

One (1) each Linear HSLG-111, 120v Slide Gate Operator, or approved equal

One (1) each Reflective Photo Eye

One (1) each Gate Safety Edge

Two (2) each Loop Detector

Item No. 5 – OTIC Gate No. 89:

One (1) each new 6' x **16' (driveway width)** Galvanized Cantilever Slide Gate with all parts, post & hardware to install

One (1) each Linear HSLG-111, 120v Slide Gate Operator, or approved equal

One (1) each Reflective Photo Eye

One (1) each Gate Safety Edge

Two (2) each Loop Detector

Item No. 6 – OTIC Gate No. 103:

One (1) each new 6' x **21' (driveway width)** Galvanized Cantilever Slide Gate with all parts, post & hardware to install

One (1) each Linear HSLG-111, 120v Slide Gate Operator, or approved equal

One (1) each Reflective Photo Eye

One (1) each Gate Safety Edge

Two (2) each Loop Detector

Item No. 7 – OTIC Gate No. 104:

One (1) each new 6' x **21' (driveway width)** Galvanized Cantilever Slide Gate with all parts, post & hardware to install

One (1) each Linear HSLG-111, 120v Slide Gate Operator, or approved equal

One (1) each Reflective Photo Eye

One (1) each Gate Safety Edge

Two (2) each Loop Detector