
Bidder

ATTACHMENT 1 - BID FORM

CHURCH STREET PARKING GARAGE RENOVATIONS AND IMPROVEMENTS

HARTFORD, CONNECTICUT

Bidder's Name

Date

TO: CAPITAL REGION DEVELOPMENT AUTHORITY
100 Columbus Boulevard, Suite 500
Hartford, CT 06103-2819

RE: RFP # 21-016

The undersigned, having inspected the site and familiarized ourselves/myself with the local conditions affecting the cost of the work and the Contract Documents dated April 2021 as prepared by **DESMAN** and on file with **Capital Region Development Authority**, hereby propose to provide all labor, materials, tools, equipment and transportation necessary to complete the **Church Street Parking Garage Renovations and Improvements** as defined in the Contract Documents in accordance with the Lump Sum, Unit Price and Stipulated Allowance Prices submitted for Bid Items #1 through #8 as summarized in the Aggregate Total Bid Price on page BF/23 of this Bid Form.

Bidders are advised that this contract consists of individual Bid Items that may be based on Lump Sum, Unit Cost, or stipulated Allowance as listed on this Bid Form. Following execution of the Contract, the Contractor must receive Authorization from CRDA before proceeding with any work outlined in the Project Bid Items listed on this Bid Form.

Authorization to proceed with any work outlined in the Bid Items, including their priority and sequencing of the specific work areas within the Garage will be at the sole discretion of CRDA with advice from the Design Engineer and subject to available funding. CRDA may not proceed with all work outlined in the Bid Items listed on this Bid Form, nor can they determine at this time, the order in which the work will be authorized. **Therefore, it is essential that the Contractor's submitted cost for each Bid Item on this Bid Form be a standalone price that includes all labor, materials, equipment, rentals, oversight, scaffolding, shoring, temporary conditions, fall protection, overhead, profit and any other costs associated with that specific bid item.** The Aggregate Total Bid Price is the sum of all Bid Items for which the Bidder offers to perform the Work described in the Bidding Documents and represents the sum of all Lump Sum, Unit Cost and Stipulated Allowance Bid Items as listed on this Bid Form. Unit Cost Bid Items are based on estimated quantities included on the Bid Form. Estimated Quantities are provided to serve as a basis for bid comparison Payment for Unit Cost line items will be based on in-place work to be verified by field measure.

Bidders are advised that CRDA has available funding of approximately \$ 6,700,000 plus Owner Soft Cost. CRDA will only authorize proceeding with work within this funding amount. The CRDA will continue to pursue additional funding for the Project. Additional work may be authorized at CRDA's sole discretion if additional funding becomes available. If additional work is authorized, a reasonable adjustment to Bid Item #1A and #1B will be negotiated with the contractor. The value of other Bid Items will be adjusted in accordance with the escalation clause in paragraph 2.3.E of the Instruction to Bidders. The breakdown of the Bid Item pricing included on this Bid Form is intended to facilitate sequencing of the work within the available funding.

Submitted herewith are the Aggregate Bid Prices for each Bid Item for all project components required by the Bid Documents. The sum of all listed components shall equal the Aggregate Total Bid Price.

Submitted herewith are all the forms as listed in the Instructions to Bidders.

We/I acknowledge that should conditions make it necessary to revise the scope of the project, the Bid Item Prices shall serve as the basis for adjustments to the Aggregate Total Bid Price.

Bid Item 1 - General Provisions:

A. General Mobilization/Demobilization.

This line item shall consist of all labor, materials, tools and equipment required for setting-up general plant, storage/staging areas and facilities required to facilitate construction or as otherwise required by applicable Federal, State and Local laws; and the general mobilization of equipment required for the completion of the work as shown within the Bid Documents and all expenses for de-mobilization off the site upon completion of all work as shown within the Bid Documents. It will be the contractor's responsibility to obtain all necessary permits to perform the work.

Electricity (power) and water required for the completion of the work shall be furnished by the Owner at existing fixtures or outlets (The Owner will not provide any temporary pipes, cables, etc.). If the capacity of existing utilities is insufficient for the contractor's use, the Contractor shall be responsible for supplementing this capacity as required at no cost to the Owner. The contractor shall provide temporary lighting within designated work areas, as required.

The Contractor shall furnish, install, maintain, relocate and remove all signs, barricades, cones, warning lights, and other safety control devices and temporary signage required for the proper execution of the project. The Engineer and the Owner shall review the safety control device placement before work begins and prior to the beginning of work on any subsequent construction stages. Any deficiencies in the location or arrangement of devices shall be corrected by the contractor before starting work or as the work progresses towards completion. **Contractor shall note that while this Bid Item 1.A shall include the procurement and installation of all applicable safety & traffic control devices (i.e. barricades, etc.) as well as the coordination and installation of temporary signage, the material procurement of the temporary signage shall be included in Bid Item 8.**

The Contractor shall note that procurement and installation of all temporary barricades required for closure of stairs shall be included in Bid Item 2D and Bid Item 5A.

The Contractor shall provide and maintain adequate protection of all preexisting architectural, structural, mechanical, electrical, plumbing components and/or features within the confines of the work areas that are to remain in-place. The work shall include the dismantling of any preexisting architectural, structural, mechanical, electrical, plumbing components and/or features within the confines of in the work areas (such as the temporary moving/relocation of tenant furniture, equipment, etc.) which might be required in order to perform the work specified. The temporarily dismantled installations shall be reinstalled as soon as possible to a condition equal to or better than the condition existing prior to the commencement of construction.

Work shall also include the provision of an effective ventilation system to safely remove all dust and hazardous fumes generated from demolition, any surface treatment applications, or other work. Contractor shall provide temporary walls and other controls to protect parked cars throughout the garage outside of the immediate work area including the adjacent surface parking lot. Contractor shall be required to remove any and all loose/spalled overhead or vertical concrete from the structure (concrete framing elements or deck) prior to the start of any demolition activities to prevent any deteriorated concrete from being jarred loose in an uncontrolled fashion. Contractor shall be required to coordinate all aspects of his work with management and operations staff as well as facility security personal throughout construction.

The contractor shall submit to the Owner/Engineer documentation of all pre-existing non-functioning electrical/mechanical systems within the entire work area. This documentation should be based on the contractor's condition survey performed immediately prior to the scheduled mobilization. The contractor shall not start the mobilization until the Owner approves of this submittal.

This work consists of items not otherwise specifically indicated or shown on the plans but which are ancillary to the specified scope of work being performed, or part of the overall Scope of Work or otherwise not noted or assigned to other Bid Items. This bid item will be limited to the work authorized under the current funding limit and subject to negotiated adjustment if additional funding becomes available.

Contractor shall note that payment for these items shall be distributed in proportion to the total amount of all contract work complete in place.

Lump Sum = \$ _____

B. Provision of Bonds, Insurance and Road or Sidewalk Closure Permits.

Work shall consist of the costs associated with the procurement of all bonds and permits necessary for this project. Provision of bonds shall include, but not be limited to, Labor & Material Bonds, Performance Bonds, etc. It shall be the contractor's sole responsibility to obtain all necessary permits

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to perform the work, including, but not limited to, road and sidewalk closure permits from the City of Hartford and Building, Electrical, Mechanical, and Plumbing permits from the Office of State Building Official and Office of State Fire Marshal, if required. This Bid Item shall include all permit costs from the City of Hartford. The Owner shall pay for all other permit costs.

\$ 6,500,000 (Trade Cost) X _____ % = \$ _____

C. Removal of Loose Overhead Spalled/Delaminated Concrete

Upon execution of the Contract, the Contractor shall remove all loose overhead spalled/delaminated concrete throughout the parking garage. The intent of this task is to remove loose concrete that may be at risk of falling on patrons or cars. Remove in a controlled manner so as not to let it expand, identifying it by tapping lightly, such as with a broomstick handle. Notify Owner Engineer and Operator of any areas that appear to be more than just a surface spall. Coordinate this Work with the garage operator.

Lump Sum = \$ _____

TOTAL BID ITEM 1 : = \$ _____

Bid Item 2 - Concrete Repair:

A. Concrete Deck Repair.

Work shall consist of the partial-depth and full-depth repair of spalled/delaminated concrete throughout the parking garage. Work shall include marking out all areas of repair for review by Engineer prior to commencement of demolition activities, saw-cutting around repair areas, partial-depth or full-depth removal of all delaminated/spalled concrete (as directed by the Engineer), debris removal, preparation of concrete substrate, removal and replacement and/or sandblasting clean all exposed reinforcing steel as noted or as directed by the Engineer, placement of concrete repair material, finishing and curing, tooling and sealing of all control/construction joints, along with all other work required for the satisfactory performance of this work item.

Contractor shall note that the provision of and placement of new and/or supplemental reinforcing steel which is required or as otherwise directed to be performed by the Engineer shall be considered as being included within this item of work.

Contractor shall note that all sealant work shall consist of the installation of non-sag polyurethane sealant (use of self-leveling polyurethane sealant shall be prohibited) and shall be incidental to the concrete deck repairs. Contractor shall note that concrete repair work will proceed on a phased basis over multiple years.

Contractor shall note that Levels 6 & 7 (roof) consist of a post-tensioned structural configuration. Therefore, prior to start of demolition affecting a work area on Levels 6 or 7, Contractor shall locate and identify all existing, embedded post-tension tendons, by appropriate methods (ground penetrating radar, or approved method), as approved by Engineer/Owner. Upon locating the tendons, Contractor shall mark the locations for verification by the Engineer. Demolition activities, as required for designated concrete repairs, shall not be started until locations of tendons have been verified by the Engineer.

If demolition activities are started before Engineer verifies the located tendons as identified by the Contractor, Contractor shall proceed at Contractor's own risk. Should post-tension tendons be damaged (or any other applicable unforeseen conditions arise) while Contractor is performing at Contractor's own risk, then Contractor shall repair all damaged tendons or perform other applicable work (inclusive of any costs associated with provision of shoring, traffic control, etc.) at no additional cost to Owner.

1. Locating and Identifying all Embedded Post-Tension Tendons, prior to start of demolition activities,

Allowance 25,000 SF @ _____/SF = \$ _____

2. Performance of Partial-Depth Concrete Repairs,

Levels 1-7 50,000 SF @ _____/SF = \$ _____

3. Performance of Full-Depth Concrete Repair Including Required Shoring

Levels 1-7 150,000 SF @ _____/SF = \$ _____

B. Miscellaneous Vertical/Overhead Concrete Repair.

Work shall include repair of column corbel and vertical/overhead concrete areas throughout the garage. Work shall consist of marking repair areas for review by the Engineer prior to demolition, concrete removal by approved method, surface preparation, debris removal, placement of approved polymer modified concrete repair mortar, finishing, and curing along with all other work required for the satisfactory performance of this work item, including, but not limited to, shoring.

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1. Vertical/Overhead Repair of Beams

Lev Bsmt-7 2,500 SF @ _____/SF = \$ _____

2. Vertical/Overhead Repair of Slabs

Lev Bsmt-7 10,000 SF @ _____/SF = \$ _____

Sub-Total Bid Item 2.B.1&2 = \$ _____

C. Post Tensioning Tendon Repair – ALLOWANCE

This work is indeterminate at this time and shall only be performed as directed by the Engineer as conditions warrant. In the performance of partial depth concrete repairs, specifically associated with the upper floor levels, it is possible that repairs to post tensioning tendons and/or their anchorages may be identified which will need to be addressed, as directed by the Engineer.

Depending on the conditions identified during the implementation of the partial depth concrete deck repairs, Work shall include the provision and installation of required materials for review and approval by the Owner/Engineer. Work shall be performed as a draw on the associated unit pricing:

1. Installation of Twisted Ring Anchors (Dog Bones):

Allowance 1 EA @ _____/EA = \$ _____

2. Installation of Splices and Couplers:

Allowance 1 EA @ _____/EA = \$ _____

3. Installation/Replacement of End Anchors:

Allowance 1 EA @ _____/EA = \$ _____

4. Installation of Tendon/Cable:

Allowance 1 LF @ _____/LF = \$ _____

Sub-Total Bid Item 2.C = \$ _____

D. Miscellaneous Cast-in-Place Concrete Slab Repair in the Stairs.

This work shall include the repair of selected concrete locations throughout the stairs, inclusive of all treads, landings, and other stair surfaces. Work shall consist of marking out repair areas for review by the Engineer prior to demolition, concrete removal by approved method, surface preparation, debris removal, placement of approved polymer-modified concrete repair mortar, finishing and curing, along with all other work required for the satisfactory performance of this work item.

Levels B -7 500 SF @ _____/SF = \$ _____

E. Miscellaneous Concrete Curb Repair.

This work shall include the repair of selected concrete curb locations throughout the garage. Work to consist of marking out repair areas for review by the Engineer prior to demolition, concrete removal by approved method, surface preparation, debris removal, placement of approved polymer modified concrete repair mortar, finishing and curing along with all other work required for the satisfactory performance of this work item.

Allowance 1,000 LF @ _____/LF = \$ _____

F. Installation of Concrete Aprons at Slab Differentials

Work shall consist of the placement and installation of sloped concrete aprons, as shown, in accordance with Bid Item 5.C. Work shall include marking areas for review by the Engineer prior to demolition, saw-cutting 1/2" deep around perimeter of repair areas as required, concrete removal by approved method, surface preparation, debris removal, placement of new concrete materials, tooling and sealing of all control/construction joints as required, finishing and curing along with all other work required for the satisfactory performance of this work item.

Contractor shall note that work shall include coordination with Bid item 5.C, as well as Bid Items 2.A.2 & 3 as required.

Levels 1-7 7 EA @ _____/EA = \$ _____

G. Miscellaneous Slab-on-Grade Concrete Repair.

Work shall consist of marking areas for review by Engineer prior to demolition, saw-cutting around repair areas, removal of all deteriorated/spalled concrete, preparation of concrete substrate and sandblasting clean all reinforcing steel prior to placement of new welded-wire fabric as required, placement of approved polymer-modified concrete repair mortar, finishing and curing, tooling and sealing of all control/construction joints, along with all other work required for the satisfactory performance of this work item.

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Contractor shall note that the provision of and placement of new and/or supplemental reinforcing steel which is required or as otherwise directed to be performed by the Engineer shall be considered as being included within this item of work.

Contractor shall note that all sealant work shall consist of the installation of non-sag polyurethane sealant (use of self-leveling polyurethane sealant shall be prohibited) and shall be incidental to the concrete deck repairs.

Basement 1,000 SF @ _____ /SF = \$ _____

H. Application of Corrosion Inhibitor

This work shall consist of the provision of all labor, material and equipment required for the surface preparation and installation of an approved topically applied corrosion inhibitor over all areas of exposed supported concrete deck. Installation shall be performed by a manufacturer-certified installation contractor and shall be installed in strict accordance with manufacturer's installation instructions as approved by the Engineer.

Level 1 56,637 SF @ _____ /SF = \$ _____

Level 2 56,637 SF @ _____ /SF = \$ _____

Level 3 56,637 SF @ _____ /SF = \$ _____

Level 4 56,637 SF @ _____ /SF = \$ _____

Level 5 56,637 SF @ _____ /SF = \$ _____

Level 6 56,637 SF @ _____ /SF = \$ _____

Level 7 56,637 SF @ _____ /SF = \$ _____

Sub-TOTAL Bid Item 2.F = \$ _____

TOTAL BID ITEM 2: = \$ _____

Bid Item 3 - Waterproofing:

A. Waterproofing Membrane Installation:

Work shall consist of the provision of all labor, material and equipment required for the installation of a new waterproofing membrane system.

Prior to start of Work, Contractor shall review all pre-existing waterproofing membrane, designated to remain, with Engineer to determine those locations (areas) which require repair. Contractor shall be responsible for verifying with membrane manufacturer the compatibility of materials and shall submit manufacturer's recommended preparation and application procedures to the Engineer for review and approval prior to the implementation of the repair.

Traffic bearing waterproofing membrane installation shall be performed by a manufacturer- certified waterproof membrane installation contractor and shall be installed in strict accordance with manufacturer's installation instructions as approved by the Engineer.

Contractor shall note that application of the new traffic bearing membrane shall be based upon the horizontal projection of the work; all vertical surfaces shall be incidental to the work, and therefore, included in the Contract Price. Membrane shall turn up vertical surfaces (i.e. perimeter walls, columns, curbs, etc.) a minimum of 6"; Contractor shall coordinate all terminations in the field with the Engineer.

Contractor shall note that all crack repair, control/construction joint repair, as well as cove joint repair, shall be incidental to the application of the traffic bearing membrane, and shall be included in the contract unit price. Work shall consist of providing 1/2" x 1/2" V-groove along all concrete cracks which are wider than approximately 1/32", or as directed by the Engineer, and application of an approved two (2) component polyurethane sealant material in strict accordance with manufacturer's recommendations as approved by the Engineer; all existing sealant materials (as may be required or as may become exposed) shall be removed from previously sealed cracks prior to installation of new sealant, providing tooled control/construction joints around and through concrete repair areas, as depicted on the drawings or as otherwise directed by the Engineer; joints shall be tooled and/or routed as necessary to provide the profile required for application of an approved two-component polyurethane sealant material in strict accordance with manufacturer's recommendations as approved by the Engineer, as well as removing all existing cove joint sealant (as may be required or as may become exposed) and installing new cove joint sealant throughout the garage, as depicted on the drawings or as otherwise directed by the Engineer; work shall be inclusive of, but not limited to, providing the correct joint profile, removal of all preexisting sealant material, surface cleaning, priming of surfaces and installation of a 3/4" x 3/4" cove joint using an approved (2) component non-sag polyurethane sealant in strict accordance with manufacturer's recommendations as approved by the Engineer.

Contractor shall note that all sealant work shall consist of the installation of non-sag polyurethane sealant (use of self-leveling polyurethane sealant shall be prohibited) and shall be incidental to the installation of the membrane system.

Contractor shall note that Work shall include addressing any shallow-depth deviations in the concrete surface, not otherwise addressed by Bid Item 2.A. *These shallow-depth repair locations, also including removal of obstructions to the level surface (such as abandoned pieces of conduit, former anchors, etc.) shall typically be considered addressable by installation of a leveling course in accordance with the manufacturer’s recommendations and shall be reviewed by the manufacturer and approved by the Engineer prior to start of work (to confirm abandonment as applicable).*

- 1. Installation of a New Heavy-duty Membrane System in accordance with the “Heavy- Duty” requirements of the Specifications,

| | | | | |
|---------|---------------|------|-------|----------------|
| Level 1 | <u>56,637</u> | SF @ | _____ | /SF = \$ _____ |
| Level 2 | <u>56,637</u> | SF @ | _____ | /SF = \$ _____ |
| Level 3 | <u>56,637</u> | SF @ | _____ | /SF = \$ _____ |
| Level 4 | <u>56,637</u> | SF @ | _____ | /SF = \$ _____ |
| Level 5 | <u>56,637</u> | SF @ | _____ | /SF = \$ _____ |
| Level 6 | <u>56,637</u> | SF @ | _____ | /SF = \$ _____ |
| Level 7 | <u>56,637</u> | SF @ | _____ | /SF = \$ _____ |

Sub-TOTAL Bid Item 3.A.1 = \$ _____

- 2. Installation of Shallow-Depth/Leveling Course.

| | | | | |
|-----------|----------------|------|-------|----------------|
| Allowance | <u>150,000</u> | SF @ | _____ | /SF = \$ _____ |
|-----------|----------------|------|-------|----------------|

B. Installation of New Expansion Joint Glands

Work shall consist of the replacement of designated expansion joint glands throughout the Garage. Work shall include the removal of existing expansion joint seals and related sealant materials, concrete demolition/removal as required by approved methods, repair of the concrete blockout as required, as depicted on the drawings (with associated curb modifications as required), and installation of a new expansion joint seal, as shown on drawings and in accordance with manufacturer's recommendations as approved by the Engineer. All transitions of expansion joint seal between vertical and horizontal shall be mitered in accordance with manufacturer’s instructions and installation details as well as any bends, turns or vertical surface interfaces as approved by the Engineer.

The joint elements shall be a continuous, factory extruded unit for the entire straight run length of the joint, continuing through curbing as required. The seal element shall not be mitered/jointed. Changes in direction or elevation shall be accomplished by factory splicing and factory molded elbows, tees,

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crosses and the like, and shall not be performed in the field, unless approved by the Engineer. The seal shall be turned up a minimum of 6 inches (vertically) unless otherwise shown on plans.

Contractor shall note that work shall include all miscellaneous repair to existing portions of the blockouts, as may be required, to accommodate and receive the new glands.

1. Installation of New Epoxy-Adhered Neoprene Expansion Joint Seal,

| | | | | |
|---------|------------|------|-------|----------------|
| Level 1 | <u>312</u> | LF @ | _____ | /LF = \$ _____ |
| Level 2 | <u>350</u> | LF @ | _____ | /LF = \$ _____ |
| Level 3 | <u>350</u> | LF @ | _____ | /LF = \$ _____ |
| Level 4 | <u>350</u> | LF @ | _____ | /LF = \$ _____ |
| Level 5 | <u>350</u> | LF @ | _____ | /LF = \$ _____ |
| Level 6 | <u>350</u> | LF @ | _____ | /LF = \$ _____ |
| Level 7 | <u>350</u> | LF @ | _____ | /LF = \$ _____ |

Sub-TOTAL Bid Item 3.B.1 = \$ _____

2. Installation of New Pre-compressed Impregnated Foam Expansion Joint Seal.

| | | | | |
|---------|-----------|------|-------|----------------|
| Level 1 | <u>24</u> | LF @ | _____ | /LF = \$ _____ |
| Level 2 | <u>40</u> | LF @ | _____ | /LF = \$ _____ |
| Level 3 | <u>40</u> | LF @ | _____ | /LF = \$ _____ |
| Level 4 | <u>40</u> | LF @ | _____ | /LF = \$ _____ |
| Level 5 | <u>40</u> | LF @ | _____ | /LF = \$ _____ |
| Level 6 | <u>40</u> | LF @ | _____ | /LF = \$ _____ |
| Level 7 | <u>40</u> | LF @ | _____ | /LF = \$ _____ |

Sub-TOTAL Bid Item 3.B.2 = \$ _____

C. Pressure Epoxy Injection:

Work shall consist of the provision of all materials, labor and equipment required to pressure inject horizontal and vertical cracks in various concrete surfaces (i.e. precast concrete columns, tee stems, spandrels, ledger beams, etc.) with an approved epoxy adhesive as directed by the Engineer. Work shall include, but not be limited to, locating of cracks to be verified by Engineer, crack preparation, drilling of injection ports, port installation, pressure injection of epoxy repair materials in strict accordance with manufacturer's recommendations as approved by the Engineer, and the cleaning and removal of excess epoxy injection materials from exposed surfaces along with all other work required for the satisfactory performance of the work.

Allowance 1,000 LF @ _____ /LF = \$ _____

| |
|-------------------------------------|
| TOTAL BID ITEM 3: = \$ _____ |
|-------------------------------------|

BID ITEM 4 - DRAINAGE IMPROVEMENTS:

A. Flush and Cleaning Drainage System – Initial Clean:

Work shall consist of the removal and proper disposal of all foreign materials from the floor drains and associated piping. Cleaning shall include flushing out (hydro-jet cleaning) the facility's entire deck drainage system. This work shall be inclusive of any and all joint breaking and reconnection as required to properly clean the entire system and to assure unencumbered storm water flow. Cleaning and flushing shall be performed on a floor-by-floor basis over multiple years. Cleaning of the 7th floor shall include cleaning of the risers. Upon completion of the project, the entire system shall be cleaned a second time.

Following initial cleaning of a given floor, work shall include provision of a visual inspection of the drains and piping, along with a written report of the inspection results, along with all other work required for the satisfactory performance of the work on a floor-by-floor basis. The report shall include, but not be limited to, detailed observed conditions throughout the drainage system, a schematic diagram designating locations of damage, breaks and blockages in piping, and points of entry and exit.

Level 1 Lump Sum = \$ _____

Level 2 Lump Sum = \$ _____

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Level 3 Lump Sum = \$ _____

Level 4 Lump Sum = \$ _____

Level 5 Lump Sum = \$ _____

Level 6 Lump Sum = \$ _____

Level 7 Lump Sum = \$ _____

Sub-TOTAL Bid Item 3.A = \$ _____

B. Flush and Cleaning Drainage System – Final Clean Following Completion:

All Levels 1 LS @ _____/LS = \$ _____

C. Supplemental Drain Installation.

Work shall consist of installing new floor drains. This work will include modification of concrete deck around drains and placement of new concrete repair mortar, tooling and sealing of all control/construction joints, all as shown on the drawings and directed by the engineer, finishing and curing along with all other work required for the satisfactory performance of this work item.

All Levels 43 EA @ _____/EA = \$ _____

D. Supplemental Drain Piping Installation.

Work shall consist of providing new drain piping with associated pipe fittings and supports to connect new supplemental drains with the existing drainage system, or replace failed pipe all as shown on the drawings and directed by the Engineer. Contractor shall be responsible for verifying required height clearances.

1. 4" Horizontal Pipe,

All Levels 1,500 LF @ _____/LF = \$ _____

2. 6" Horizontal Pipe

All Levels 50 LF @ _____/LF = \$ _____

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3. 8" Vertical Riser

All Levels 50 LF @ _____ /LF = \$ _____

Sub-TOTAL Bid Item 4.C = \$ _____

TOTAL BID ITEM 4: = \$ _____

BID ITEM 5 – MISCELLANEOUS METAL REPAIRS AND IMPROVEMENTS:

A. Stair Repairs and Improvements:

Contractor shall note that the Church Street Parking Garage consists of an original/older portion built in 1954 (the lower levels consisting of the basement up through the approximate fifth level) and a newer portion added in 1983 (the upper levels consisting of the approximate fifth level up to the roof). Work shall include provision of labor, materials, and equipment for the replacement of the various stair elements including, but not limited to, designated tread/riser combinations & support angles, stringer and other miscellaneous components all as shown on the drawings or as directed by the Engineer, depending on dimensional conditions and requirements, as follows:

- Regarding stair #1: all stair components throughout the older portion; contractor shall note that work shall include modifications to impacted landings in order to achieve minimum dimensional requirements, as directed by the owner/engineer, and the extent of modifications shall be verified with the owner/engineer prior to start of work.
- Regarding stair #2: all stair components throughout the older portion; contractor shall review the work with the owner/engineer prior to start of work.
- Regarding stair #3: all stair components throughout the older portion; contractor shall review the work with the owner/engineer prior to start of work.
- Regarding stair #4: all stair components throughout both the older and newer portions; contractor shall note that work shall include modifications to impacted landings in order to achieve minimum dimensional requirements, as directed by the owner/engineer, and the extent of modifications shall be verified with the owner/engineer prior to start of work.

Although extent of replacement of treads/risers & stringers vary per stair tower system, Work shall include replacement of the handrail & guardrail systems in their entirety on all levels in the four stairs. Work shall include removal of the existing rail systems, preparation of the components & substrates to receive the new railing systems, followed by the installation of the new handrail/guardrail systems. Contractor shall note that all anchor hardware shall be replaced with new hardware and all welding shall be ground smooth.

Contractor shall note that sections and details shown are graphical in nature and shall not be interpreted to be representative of all conditions. Contractor shall review existing conditions prior to start of work, and Contractor shall note that work shall include the submission of shop drawings for fabrication, installation and erection of metal systems and components prior to start of work; include plans, elevations, and details of sections and connections, show anchorage and accessory items, provide templates for anchor bolt installation. Fabrication shall not proceed until shop drawings have been reviewed. Fabrication, assembly, installation, and erection shall conform to reviewed and accepted shop drawings. Shop drawings shall be stamped by a professional engineer registered in the state of Connecticut.

All new components shall be hot-dipped galvanized; touch up all field welding to hot dip galvanized elements as recommended by coating manufacturer and approved by engineer.

Contractor shall note that lead paint currently exists throughout the stairs; therefore, contractor shall comply with all applicable requirements for proper containment, removal and disposal.

An Allowance is provided for miscellaneous repair to those components remaining and excluded from replacement, typically associated with the newer portion of the garage. Upon review and direction by the owner/engineer, contractor shall provide applicable pricing for review; following review of the contractor's pricing, owner/engineer shall authorize the repair of designated items. By applicable method, along with all other work required for the satisfactory performance of this work item. All patches and interfaces of existing elements with new elements shall consist of straight and true lines and edges. Contractor shall not proceed with the additional miscellaneous repairs until written authorization is received.

Contractor shall note that fabrication of the handrail/guardrail assembly shall include the hot-dip galvanizing and application of the architectural finish to the assembly, in coordination with Bid Item 6. Although all other pieces are to be hot-dipped galvanized as well, the pieces (due to their miscellaneous nature) are to be field-painted along with the stair system as a whole in its entirety.

The following Lump Sum Bid Items for Stair Improvements shall include installation of plywood partitions with locked access, "bagging" of existing exit signs and temporary exit signage directing people to adjacent stairwells.

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1. Improvements to Stair #1:

- a. Replacement of tread/riser combinations and stringers throughout the older portion of the garage; modifications to applicable landings:

Stair #1a Lump Sum = \$ _____

- b. Replacement/Installation of New Handrails & Guardrails throughout the Stair, from Basement to Roof Level:

Stair # 1b Lump Sum = \$ _____

2. Improvements to Stair #2:

- a. Replacement of tread/riser combinations and stringers throughout the older portion of the garage:

Stair # 2a Lump Sum = \$ _____

- b. Replacement/Installation of New Handrails & Guardrails throughout the Stair, from Basement to Roof Level:

Stair #2b Lump Sum = \$ _____

3. Improvements to Stair #3:

- a. Replacement of tread/riser combinations and stringers throughout the older portion of the garage:

Stair #3a Lump Sum = \$ _____

- b. Replacement/Installation of New Handrails & Guardrails throughout the Stair, from Basement to Roof Level:

Stair #3b Lump Sum = \$ _____

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4. Improvements to Stair #4:

- a. Replacement of tread/riser combinations and stringers throughout both the older and newer portions of the garage; modifications to applicable landings:

Stair #4a Lump Sum = \$ _____

- b. Replacement/Installation of New Handrails & Guardrails throughout the Stair, from Basement to Roof Level:

Stair # 4b Lump Sum = \$ _____

5. Allowance for Miscellaneous Repairs outside of tread/riser combination and railing replacement.

Allowance = \$20,000.00 _____

Sub-TOTAL Bid Item 5.A.1-5 = \$ _____

B. Replacement of Railing System:

Work shall include the removal of existing railing systems followed by the installation of new railing systems, typically associated with the parapets and the openings between bays. Work shall consist of the review of existing conditions prior to start of work, the removal of existing railing systems, the repair of concrete surfaces as required, followed by the installation of new railings systems, all throughout the garage, along with all other work required for the satisfactory performance of the work.

Contractor shall note that conditions vary throughout the garage, and therefore work shall include the submission of shop drawings for fabrication, installation and erection of railing systems and components prior to start of work; include plans, elevations, and details of sections and connections, show anchorage and accessory items, provide templates for anchor bolt installation. Fabrication shall not proceed until shop drawings have been reviewed. Fabrication, assembly, installation and erection shall conform to reviewed and accepted shop drawings. Shop drawings shall be stamped by a Professional Engineer registered in the state of Connecticut.

Contractor shall note that fabrication of the railing systems shall include the hot-dip galvanizing and application of the architectural finish to the assemblies, in coordination with Bid Item 6.

Level 1 86 LF @ _____ /LF = \$ _____

Level 2 86 LF @ _____ /LF = \$ _____

Level 3 642 LF @ _____ /LF = \$ _____

Bidder

Level 4 642 LF @ /LF = \$

Level 5 642 LF @ /LF = \$

Level 6 642 LF @ /LF = \$

Level 7 642 LF @ /LF = \$

Sub-TOTAL Bid Item 5.B = \$

C. Removal of Designated Railing Systems

Work shall include the removal of designated railing systems, typically associated with the tops and bottoms of the vehicular ramps. Work shall consist of the verification with the Owner/Engineer of designated railing systems to be removed, the proper removal of the railing systems including the associated curbing, the proper disposal of the railing systems and related materials, followed by the repair of the concrete surfaces remaining, along with all other work required for the satisfactory performance of the work. Contractor shall reference Bid Item 2.E for subsequent concrete work.

Levels B -7 410 LF @ /LF = \$

TOTAL BID ITEM 5: = \$

BID ITEM 6 – COATINGS & PAINTING

- A. Application of Coating to Ceiling, Vertical & Framing Surfaces; metal stair/railing systems and other railing systems.

Work shall consist of the application of a coating to designated ceiling, vertical and framing surfaces, as well as the metal stair/railing systems associated with the stair towers and parapet/openings between bays, and ceilings, parapets and designated miscellaneous surfaces throughout the Parking Garage. Work shall include surface preparation as required, followed by the application of a coating to designated surfaces, all as scheduled per the drawings and specifications. Coatings shall be compatible with the substrate encountered. Each coat application shall be contrasting color with final coat color as scheduled

or as directed by the Owner/Engineer to be submitted for verification prior to application.

Following completion of coating work, Contractor shall re-paint level designation graphics, matching existing, typically associated with the column surfaces throughout the garage. Prior to start of work, Contractor shall verify all locations, colors, and other related criteria with the Owner/Engineer.

Contractor shall note that existing coatings are currently in place throughout the various surfaces; therefore, Contractor shall be solely responsible for reviewing with the manufacturer (and approved by the Engineer) to confirm the extent necessary for removal of the existing materials. While the intent is to only remove that which is necessary in order to avoid and/or minimize damage to the various substrates, it is critical that all performance requirements (such as, but not limited to, bond/adhesion, moisture transmission, etc.) of the new materials be achieved as required by the manufacturer (as approved by the Engineer). Therefore, as noted above, work shall include any and all surface preparation required for this Work.

1. Stair Tower Surfaces Including Railings.

| | | |
|---------------------------------|---------------|--------------|
| Stair 1 | Lump Sum = \$ | _____ |
| Stair 2 | Lump Sum = \$ | _____ |
| Stair 3 | Lump Sum = \$ | _____ |
| Stair 4 | Lump Sum = \$ | _____ |
| Stair 5 | Lump Sum = \$ | _____ |
| Sub-TOTAL Bid Item 6.A.1 | = \$ | _____ |

2. Railings along Parapets and in Openings between Bays.

| | | |
|---------|---------------|-------|
| Level 1 | Lump Sum = \$ | _____ |
| Level 2 | Lump Sum = \$ | _____ |
| Level 3 | Lump Sum = \$ | _____ |
| Level 4 | Lump Sum = \$ | _____ |
| Level 5 | Lump Sum = \$ | _____ |
| Level 6 | Lump Sum = \$ | _____ |
| Level 7 | Lump Sum = \$ | _____ |

Bidder

Sub-TOTAL Bid Item 6.A.2 = \$ _____

3. Concrete Ceiling and Vertical Surfaces

Level 1 Lump Sum = \$ _____

Level 2 Lump Sum = \$ _____

Level 3 Lump Sum = \$ _____

Level 4 Lump Sum = \$ _____

Level 5 Lump Sum = \$ _____

Level 6 Lump Sum = \$ _____

Level 7 Lump Sum = \$ _____

Sub-TOTAL Bid Item 6.A.3 = \$ _____

B. Steel Framing Elements (Steel Beams)

Lump Sum = \$ _____

C. Level Designation Graphics

Lump Sum = \$ _____

D. Painting of Traffic Markings and Parking Stalls.

Work shall consist of application of new markings for all parking stalls, directional arrows, crosswalks, curbs, centerlines, text and other traffic markings located throughout the Garage. Application of striping shall be performed to match pre-existing conditions or as otherwise directed by the Engineer; however all handicap parking stalls shall be updated accordingly and quantity/location of handicap parking stalls shall be verified prior to start of work; all curbing shall be painted, both those currently painted and those not. Any and all conflicting markings shall be removed in their entirety by approved method. Owner/Engineer shall be required to review striping layout prior to this work being performed.

Level 1 Lump Sum = \$ _____

Level 2 Lump Sum = \$ _____

Bidder

Level 3 Lump Sum = \$ _____

Level 4 Lump Sum = \$ _____

Level 5 Lump Sum = \$ _____

Level 6 Lump Sum = \$ _____

Level 7 Lump Sum = \$ _____

Sub-TOTAL Bid Item 6.D = \$ _____

TOTAL BID ITEM 6: = \$ _____

BID ITEM 7 - REPLACEMENT OF VEHICULAR BUMPER GUARDS

Work shall consist of the provision of all materials, labor and equipment required to install new vehicular bumper guards along the heads of the parking stalls throughout the garage. Work shall include removal of the existing timber boards, repair of the vertical surfaces as required upon removal, installation of the new bumper guards, along with all other work required for the satisfactory performance of the work. Acceptable bumper guards consist of HDPE Series 3020.3 1 1/2" x 9 1/2", manufactured by Wallguard.com (color to be determined by Owner) or approved equal; contractor shall provide sample prior to start of work for confirmation of color as accepted by owner.

Basement Lump Sum = \$ _____

Level 1 Lump Sum = \$ _____

Level 2 Lump Sum = \$ _____

Level 3 Lump Sum = \$ _____

Level 4 Lump Sum = \$ _____

Level 5 Lump Sum = \$ _____

Level 6 Lump Sum = \$ _____

Bidder

Level 7 Lump Sum = \$ _____

Sub-TOTAL Bid Item 7 = \$ _____

TOTAL BID ITEM 7: = \$ _____

BID ITEM 8 – PROVISION OF TEMPORARY TRAFFIC CONTROL SIGNAGE AND RELATED GRAPHICS:

Work shall consist of the provision of any and all temporary signage and graphics for use during construction. All temporary signage shall be of a professional nature, as approved by Owner prior to procurement and prior to its installation, and shall consist of specified materials, along with all other work required for the satisfactory performance of this work item. All temporary signage required for the successful execution of the repair work shall become the property of the Owner unless otherwise approved.

Contractor shall note that while this Allowance shall solely pertain to the procurement of the applicable temporary signage, all required coordination with applicable parties to organize the temporary work areas both inside and outside of the facility, followed by the proposing and installation of associated temporary signage, along with the procurement and provision of temporary traffic control devices (i.e. barricades, etc.) shall be included in Bid Item 1.A, General Mobilization/Demobilization.

Allowance = **\$10,000.00**

TOTAL BID ITEM 8: = \$ **10,000.00 Allowance**

Bidder

AGGREGATE BID ITEM TOTAL PRICE:

SUB-TOTAL BID ITEM 1: = \$ _____

SUB-TOTAL BID ITEM 2: = \$ _____

SUB-TOTAL BID ITEM 3: = \$ _____

SUB-TOTAL BID ITEM 4: = \$ _____

SUB-TOTAL BID ITEM 5: = \$ _____

SUB-TOTAL BID ITEM 6: = \$ _____

SUB-TOTAL BID ITEM 7: = \$ _____

SUB-TOTAL BID ITEM 8: = \$ 10,000.00

TOTAL BID ITEMS 1 THROUGH 8 = \$ _____
(AGGREGATE TOTAL BID PRICE)

GENERAL REQUIREMENTS

The bidder shall, before submitting his Proposal, carefully examine the Contract Documents. He shall inspect in detail the site of the proposed work and familiarize himself with all the local conditions affecting The Work and the detailed requirements of construction. If his Proposal is accepted, he will be responsible for all errors in his Proposal resulting from his failure or neglect to comply with these instructions or errors in judgment arising from said inspections of the work site and examination of the Contract Documents. The Engineer and/or the Owner will, in no case, be responsible for any losses or change in Contractor's anticipated profits resulting from such failure or neglect.

If the bidder finds any language in the Contract inconsistent, vague or difficult to understand or interpret, for any reason, he shall request clarification in writing from the Engineer or Owner not less than 5 working days prior to the scheduled dates for response thereto in writing to all bidders known to the Owner. Unless the bidder seeks clarification in accordance with this paragraph, he will be deemed to have waived his rights, if any he had, to object to said Contract language as vague or misleading for any reason.

When the plans and Special Provisions include information pertaining to surface observations, material testing and other preliminary investigations, such information represents only the opinion of the Engineer as to the location, character, or quantity of the materials encountered and is only included for the convenience of the bidder. The Owner/Engineer assumes no responsibility whatever in respect to the sufficiency or

accuracy of the information, and there is no guarantee, either expressed or implied, that the conditions indicated are accurate or unanticipated developments may not occur. Said information shall not be considered by the parties as a basis for the Contract award amount.

The Bidder agrees that adequate time was allowed the bidder to inspect all work sites and, unless express written request has been made, the Engineer/Owner will be presumed to have supplied the bidder all the information and access required to adequately complete the Proposal.

The estimated quantities of work to be done and materials to be furnished under these Specifications are given in the Proposal. All quantities are to be considered as approximate and are to be used only for comparison of bids. The unit and lump sum prices to be tendered by the bidders are to be for the scheduled quantities as they may be increased or decreased.

Payments will be made to the Contractor only for the actual quantities of work performed and materials furnished in accordance with the Plans and Specifications. The scheduled quantities may each be increased or diminished or entirely deleted. Such changes may become necessary for the best interest of the project due to circumstances not known at the time the Contract was entered into or arising thereafter. In the event, in the sole judgment of the Owner or its representative such changes become necessary, the lump sum and unit prices set forth in the Proposal and embodied in the Contract shall remain valid.

Work acceptance is to be made by the Engineer.

Any extra work beyond the scheduled quantities requiring additional cost to the Owner shall be approved by the Owner prior to taking such action. Claims for extra work which have not been authorized in writing by the Owner and approved by the Engineer will be rejected and the Contractor shall not be entitled to payment thereof.

CONSTRUCTION TIME

Immediately following execution of the Contract, and issuance by the Owner, of a written "Notice to Proceed," the Owner, Engineer and Contractor shall meet to develop and agree to the Scope of Work to be undertaken during the 2021 Seasonal Work Period. The undersigned agrees to commence preconstruction work immediately and mobilize on-site Work as soon as possible thereafter. The undersigned agrees to provide sufficient manpower to complete the 2021 Scope of Work prior to the on-set of cold weather in the Fall.

RIGHT TO REJECT BIDS AND SIGNING CONTRACTS

In submitting this Bid, it is understood that the right is reserved by the Owner to reject any and all bids, and/or negotiate with the selected bidder or bidders, including splitting the work into multiple contracts, all as may be in the best interest of the Owner. If written notice of acceptance of this bid is mailed, delivered and/or otherwise transmitted to the undersigned within sixty (60) days after the opening thereof, or at any time thereafter before this bid is withdrawn by written notification, the undersigned agrees to execute and deliver a Contract in the prescribed form. The Work shall be commenced by the successful bidder within 14 days after the Notice to Proceed from the Owner.

Bidder

ADDENDA ACKNOWLEDGMENT

The undersigned acknowledges receipt of the following addenda:

ADDENDUM NUMBER

DATE OF ADDENDUM

| | |
|-------|-------|
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |

GENERAL STATEMENT

The undersigned has checked all of the above figures and understands that the owner will not be responsible for any errors or omissions on the part of the undersigned in preparing this bid.

In submitting this bid, it is understood that the right is reserved by the Owner to reject any or all bids and waive all technicalities and informalities in connection therewith, including negotiating with the selected bidder or bidders, including splitting the work into multiple contracts, all as may be in the best interest of the Owner. It is agreed that this Bid may not be withdrawn for a period of 60 days from the time of opening.

The undersigned declares that the person or persons signing this bid is/are fully authorized to sign on behalf of the firm listed to all of the Bid's conditions and provisions thereof.

It is agreed that no persons or company other than the firm listed below or as otherwise indicated has any interest whatsoever in this Bid or the contract that may be entered into as a result of this Bid and that in all respects the Bid is legal and firm, submitted in good faith without collusion or fraud.

It is agreed that the undersigned has complied and/or will comply with all requirements of local, state or national laws, and that no legal requirements have been or will be violated in making or accepting this Bid, in awarding the contract to him and/or in the prosecution of the work required.

Bidder

SUBCONTRACTOR'S LIST (If applicable)

NAME _____

ADDRESS _____

WORK _____

NAME _____

ADDRESS _____

WORK _____

NAME _____

ADDRESS _____

WORK _____

NAME _____

ADDRESS _____

WORK _____

NAME _____

ADDRESS _____

WORK _____

Bidder

SIGNATURE OF BIDDER

(Date) _____ day of _____ 20 _____

(Firm Name) _____ (Seal)

(Address) _____

(Signature) _____

(Name Typed) _____

(Title) _____

BID GUARANTEE

The information in this Bid is correct to the best information, knowledge and belief of the undersigned. It is submitted without collusion with any person, individual or corporation.

Contractor

instrument and that such instrument is duly submitted on behalf of

Notary Public