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THE PROPOSAL IN ORDER  
TO SUBMIT A BID.**

STATE OF DELAWARE



DEPARTMENT OF TRANSPORTATION

BID PROPOSAL

for

**CONTRACT T201280101.02**

FABRIC BUILDING REPLACEMENT

STATEWIDE

ADVERTISEMENT DATE: August 27, 2012

**PROSPECTIVE BIDDERS ARE ADVISED THAT THERE WILL BE A PRE-BID MEETING FOR THIS CONTRACT ON SEPTEMBER 6, 2012 at 10:30 A.M. IN THE BIDDER'S ROOM, DelDOT ADMINISTRATION CENTER, 800 BAY ROAD, U.S. ROUTE 113 SOUTH, DOVER, DELAWARE, 19901.**

Completion Date 75 Calendar Days

SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION  
DELAWARE DEPARTMENT OF TRANSPORTATION  
AUGUST 2001

Bids will be received in the Bidder's Room (B1.11.01), Transportation Administration Center, 800 Bay Road, Dover, Delaware until 2:00 P.M. local time October 2, 2012



**FABRIC BUILDING REPLACEMENT  
STATEWIDE**

**LOCATION**

These improvements are located STATEWIDE more specifically shown on the Location Map(s) of the enclosed Plans.

**DESCRIPTION**

The improvements consist of furnishing all materials for THIS WORK CONSISTS OF PROVIDING ALL MATERIALS, LABOR, AND EQUIPMENT NECESSARY TO PROVIDE,FABRICATE, SUPPLY AND INSTALL A TRUSS-ARCH FABRIC COVERED STEEL FRAME SYSTEM WITH A TENSIONED FABRIC MEMBRANE COVER TO BE SUPPORTED BY EITHER THE EXISTING,MODIFIED, OR REPLACED FOUNDATION AND ALL ELSE NECESSARY TO PROVIDE THE WORK COMPLETE AS INDICATED IN THE CONTRACT, and other incidental construction in accordance with the location, notes and details shown on the plans and as directed by the Engineer.

**COMPLETION DATE**

All work on this contract must be complete within 75 Calendar Days . The Contract Time includes an allowance for 6 Weather Days.

It is the Department's intent to issue a Notice to Proceed such that work starts on or about March 20, 2013.

**ELECTRONIC BIDDING**

**This project incorporates a newer version of the electronic bidding system, Expedite 5.9a.** Bidders wishing to use the electronic bidding option will find the installation file on the plan holders bid file disk. The installation file and instructions are also available at: [http://www.deldot.gov/information/business/bids/const\\_proj\\_bid\\_info.shtml](http://www.deldot.gov/information/business/bids/const_proj_bid_info.shtml).



**PROSPECTIVE BIDDERS NOTE:**

1. No retainage will be withheld on this contract.
2. The Department has adopted an External Complaint Procedure. The procedure can be viewed on our website at; <http://www.deldot.gov/information/business/>, or you may request a copy by calling (302) 760-2555.
3. Make note of the new version of Electronic Bidding software as noted above.
4. Prospective bidders are advised that there will be a pre-bid meeting for this contract on September 6, 2012 at 10:30 AM in the Bidder's Room, Transportation Administration Center, 800 Bay Road, Dover, DE 19901.

**STATE OF DELAWARE  
CONSTRUCTION ITEMS UNITS OF MEASURE**

<b>English Code</b>	<b>English Description</b>	<b>Multiply By</b>	<b>Metric Code</b>	<b>Metric Description</b>	<b>Suggested CEC Metric Code</b>
ACRE	Acre	0.4047	ha	Hectare	HECTARE
BAG	Bag	N/A	Bag	Bag	BAG
C.F.	Cubic Foot	0.02832	m <sup>3</sup>	Cubic Meter	M3
C.Y.	Cubic Yard	0.7646	m <sup>3</sup>	Cubic Meter	M3
EA-DY	Each Day	N/A	EA-DY	Each Day	EA-DY
EA-MO	Each Month	N/A	EA-MO	Each Month	EA-MO
EA/NT	Each Night	N/A	EA-NT	Each Night	EA/NT
EACH	Each	N/A	EA	Each	EACH
GAL	Gallon	3.785	L	Liter	L
HOUR	Hour	N/A	h	Hour	HOUR
INCH	Inch	25.4	mm	Millimeter	MM
L.F.	Linear Foot	0.3048	m	Linear Meter	L.M.
L.S.	Lump Sum	N/A	L.S.	Lump Sum	L.S.
LA-MI	Lane Mile	1.609	LA-km	Lane-Kilometer	LA-KM
LB	Pound	0.4536	kg	Kilogram	KG
MFBM	Thousand Feet of Board Measure	2.3597	m <sup>3</sup>	Cubic Meter	M3
MGAL	Thousand Gallons	3.785	kL	Kiloliter	KL
MILE	Mile	1.609	km	Kilometer	KM
S.F.	Square Foot	0.0929	m <sup>2</sup>	Square Meter	M2
S.Y.	Square Yard	0.8361	m <sup>2</sup>	Square Meter	M2
SY-IN	Square Yard-Inch	0.8495	m <sup>2</sup> -25 mm	Square Meter-25 Millimeter	M2-25 MM
TON	Ton	.9072	t	Metric Ton (1000kg)	TON
N.A.*	Kip	4.448	kN	Kilonewton	N.A.*
N.A.*	Thousand Pounds per Square Inch	6.895	MPa	Megapascal	N.A.*

\*Not used for units of measurement for payment.

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Contract No. T201280101.02

**GENERAL NOTICES**

SPECIFICATIONS:

The specifications entitled "Delaware Standard Specifications, for Road and Bridge Construction, August, 2001", hereinafter referred to as the Standard Specifications, Supplemental Specifications, the Special Provisions, notes on the Plans, this Bid Proposal, and any addenda thereto shall govern the work to be performed under this contract.

CLARIFICATIONS:

Under any Section or Item included in the Contract, the Contractor shall be aware that when requirements, responsibilities, and furnishing of materials are outlined in the details and notes on the Plans and in the paragraphs preceding the "Basis of Payment" paragraph in the Standard Specifications or Special Provisions, no interpretation shall be made that such stipulations are excluded because reiteration is not made in the "Basis of Payment" paragraph.

ATTESTING TO NON-COLLUSION:

The Department requires as a condition precedent to acceptance of bids a sworn statement executed by, or on behalf of, the person, firm, association, or corporation to whom such contract is to be awarded, certifying that such person, firm, association, or corporation has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with such contract. The form for this sworn statement is included in the proposal and must be properly executed in order to have the bid considered.

QUANTITIES:

The quantities shown are for comparison of bids only. The Department may increase or decrease any quantity or quantities without penalty or change in the bid price.

REQUIREMENT BY DEPARTMENT OF LABOR FOR SWORN PAYROLL INFORMATION

Delaware Code, Title 29, Chapter 69, Section 6960, Paragraph (c)

"(c) Every contract based upon these specifications shall contain a stipulation that certified sworn payroll reports be maintained by every contractor and subcontractor performing work upon the site of construction. The contractor and subcontractor shall keep and maintain the sworn payroll information for a period of two (2) years from the last day of the work week covered by the payroll. A certified copy of these payroll reports shall be made available:

1. For inspection or furnished upon request to a representative of the Department of Labor;
2. Upon request by the public or for copies thereof. However, a request by the public must be made through the Department of Labor. The requesting party shall, prior to being provided the records, reimburse the costs of preparation by the Department of Labor in accordance with the Department's copying fee policy. The public shall not be given access to the records at the principal office of the contractor or subcontractor; and
3. The certified payroll records shall be on a form provided by the Department of Labor or shall contain the same information as the form provided by the Department

and shall be provided within ten (10) days from receipt of notice requesting the records from the Department of Labor."

Contractor may contact:

Department of Labor  
Division of Industrial Affairs  
4425 No. Market Street  
Wilmington, DE 19802

Telephone (302) 761-8200

PREFERENCE FOR DELAWARE LABOR:

Delaware Code, Title 29, Chapter 69, Section 6962, Paragraph (d), Subsection (4)b

"In the construction of all public works for the State or any political subdivision thereof, or by firms contracting with the State or any political subdivision thereof, preference in employment of laborers, workmen or mechanics shall be given to bona fide legal citizens of the State who have established citizenship by residence of at least 90 days in the State. Each public works contract for the construction of public works for the State or any political subdivision thereof shall contain a stipulation that any person, company or corporation who violates this section shall pay a penalty to the Secretary of Finance equal to the amount of compensation paid to any person in violation of this section."

EQUALITY OF EMPLOYMENT OPPORTUNITY ON PUBLIC WORKS:

Delaware Code, Title 29, Chapter 69, Section 6962, Paragraph (d), Subsection (7)

"a. As a condition of the awarding of any contract for public works financed in whole or in part by State appropriation, such contracts shall include the following provisions:

During the performance of this contract, the contractor agrees as follows:

1. The contractor will not discriminate against any employee or applicant for employment because of race, creed, color, sex or national origin. The contractor will take positive steps to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, creed, color, sex or national origin. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places available to employees and applicants for employment notices to be provided by the contracting agency setting forth this nondiscrimination clause.

2. The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, creed, color, sex or national origin.'



TAX CLEARANCE:

As payments to each vendor or contractor aggregate \$2,000, the Division of Accounting will report such vendor or contractor to the Division of Revenue, who will then check the vendor or contractor's compliance with tax requirements and take such further action as may be necessary to insure compliance.

LICENSE:

A person desiring to engage in business in this State as a contractor shall obtain a license upon making application to the Division of Revenue. Proof of said license compliance to be made prior to, or in conjunction with, the execution of a contract to which he has been named.

DIFFERING SITE CONDITIONS,

**SUSPENSIONS OF WORK and SIGNIFICANT CHANGES IN THE CHARACTER OF WORK:**

Differing site conditions: During the progress of the work, if subsurface or latent physical conditions are encountered at the site differing materially from those indicated in the contract or if unknown physical conditions of an unusual nature, differing materially from those ordinarily encountered and generally recognized as inherent in the work provided for in the contract are encountered at the site, the party discovering such conditions shall promptly notify the other party in writing of the specific differing conditions before they are disturbed and before the affected work is performed.

Upon written notification, the engineer will investigate the conditions, and if he/she determines that the conditions materially differ and cause an increase or decrease in the cost or time required for the performance of any work under the contract, an adjustment, excluding loss of anticipated profits, will be made and the contract modified in writing accordingly. The engineer will notify the contractor of his/her determination whether or not an adjustment of the contract is warranted.

No contract adjustment which results in a benefit to the contractor will be allowed unless the contractor has provided the required written notice.

No contract adjustment will be allowed under their clause for any effects caused on unchanged work.

Suspensions of work ordered by the engineer: If the performance of all or any portion of the work is suspended or delayed by the engineer in writing for an unreasonable period of time (not originally anticipated, customary or inherent to the construction industry) and the contractor believes that additional compensation and/or contract time is due as a result of such suspension or delay, the contractor shall submit to the engineer in writing a request for adjustment within 7 calendar days of receipt of the notice to resume work. The request shall set forth the reasons and support for such adjustment.

Upon receipt, the engineer will evaluate the contractor's request. If the engineer agrees that the cost and/or time required for the performance of the contract has increased as a result of such suspension and the suspension was caused by conditions beyond the control of and not the fault of the contractor, its suppliers, or subcontractors at any approved tier, and not caused by weather, the engineer will make an adjustment (excluding profit) and modify the contract in writing accordingly. The engineer will notify the contractor of his/her determination whether or not an adjustment of the contract is warranted.

No contract adjustment will be allowed unless the contractor has submitted the request for adjustment within the time prescribed.

No contract adjustment will be allowed under this clause to the extent that performance would have been suspended or delayed by any other cause, or for which an adjustment is provided for or excluded under any other term or condition of this contract.

Significant changes in the character of work: The engineer reserves the right to make, in writing, at any time during the work, such changes in quantities and such alterations in the work as are necessary to satisfactorily complete the project. Such changes in quantities and alterations shall not invalidate the contract nor release the surety, and the contractor agrees to perform the work as altered.

If the alterations or changes in quantities significantly change the character of the work under the contract, whether or not changed by any such different quantities or alterations, an adjustment, excluding loss of anticipated profits, will be made to the contract. The basis for the adjustment shall be agreed upon prior to the performance of the work. If a basis cannot be agreed upon, then an adjustment will be made either for or against the contractor in such amount as the engineer may determine to be fair and equitable.

The term "significant change" shall be construed to apply only to the following circumstances:

- (A) When the character of the work as altered differs materially in kind or nature from that involved or included in the original proposed construction or
- (B) When a major item of work, as defined elsewhere in the contract, is increased in excess of 125 percent or decreased below 75 percent of the original contract quantity. Any allowance for an increase in quantity shall apply only to that portion in excess of 125 percent of original contract item quantity, or in case of a decrease below 75 percent, to the actual amount of work performed.

#### PREVAILING WAGES

Included in this proposal are the minimum wages to be paid various classes of laborers and mechanics as determined by the Department of Labor of the State of Delaware in accordance with Title 29 Del.C. §6960, relating to wages and the regulations implementing that Section.

Title 29 Del.C. §6960 relating to wages further stipulates "that the employer shall pay all mechanics and laborers employed directly upon the site of the work, unconditionally and not less often than once a week and without subsequent deduction or rebate on any account, the full amounts accrued at time of payment, computed at wage rates not less than those stated in the specifications, regardless of any contractual relationship which may be alleged to exist between the employer and such laborers and mechanics", and ... "that the scale of wages to be paid shall be posted by the employer in a prominent and easily accessible place at the site of the work, and that there may be withheld from the employer so much of accrued payments as may be considered necessary by the Department of Labor to pay to laborers and mechanics employed by the employer the difference between the rates of wages required by the contract to be paid laborers and mechanics on the work and rates of wages received by such laborers and mechanics to be remitted to the Department of Labor for distribution upon resolution of any claims."

Bidders are specifically directed to note the Department of Labor's regulations implementing §6960 relating to the effective date of the wage rates, at Part VI., Section C., which in relevant part states:

"Public agencies (covered by the provisions of 29 Del.C. §6960) are required to use the rates which are in effect on the date of the publication of specifications for a given project. In the event that a contract is not executed within one hundred twenty (120) days from the date the specifications were published, the rates in effect at the time of the execution of the contract shall be the applicable rates for the project."

STATE OF DELAWARE  
DEPARTMENT OF LABOR  
DIVISION OF INDUSTRIAL AFFAIRS  
OFFICE OF LABOR LAW ENFORCEMENT  
PHONE: (302) 451-3423

Mailing Address:  
225 CORPORATE BOULEVARD  
SUITE 104  
NEWARK, DE 19702

Located at:  
225 CORPORATE BOULEVARD  
SUITE 104  
NEWARK, DE 19702

PREVAILING WAGES FOR BUILDING CONSTRUCTION EFFECTIVE MARCH 15, 2012

CLASSIFICATION	NEW CASTLE	KENT	SUSSEX
ASBESTOS WORKERS	23.22	29.83	39.20
BOILERMAKERS	65.47	33.22	48.83
BRICKLAYERS	45.63	45.63	45.63
CARPENTERS	49.06	49.06	39.22
CEMENT FINISHERS	40.38	29.11	21.20
ELECTRICAL LINE WORKERS	43.49	37.29	28.44
ELECTRICIANS	59.10	59.10	59.10
ELEVATOR CONSTRUCTORS	73.14	40.93	30.55
GLAZIERS	62.60	62.60	54.20
INSULATORS	50.38	50.38	50.38
IRON WORKERS	58.70	58.70	58.70
LABORERS	37.20	37.20	37.20
MILLWRIGHTS	60.85	60.85	47.42
PAINTERS	40.62	40.62	40.62
PILEDRIVERS	66.42	37.64	30.45
PLASTERERS	21.61	21.61	17.50
PLUMBERS/PIPEFITTERS/STEAMFITTERS	57.95	43.24	46.28
POWER EQUIPMENT OPERATORS	55.81	55.81	24.13
ROOFERS-COMPOSITION	21.01	20.71	17.02
ROOFERS-SHINGLE/SLATE/TILE	17.59	17.50	16.45
SHEET METAL WORKERS	64.39	62.18	62.18
SOFT FLOOR LAYERS	44.92	44.92	44.92
SPRINKLER FITTERS	50.65	50.65	50.65
TERRAZZO/MARBLE/TILE FNRS	50.50	50.50	45.45
TERRAZZO/MARBLE/TILE STRS	57.98	57.98	52.63
TRUCK DRIVERS	22.49	23.89	20.03

CERTIFIED: 4/19/12

BY:   
ADMINISTRATOR, OFFICE OF LABOR LAW ENFORCEMENT

**NOTE:** THESE RATES ARE PROMULGATED AND ENFORCED PURSUANT TO THE PREVAILING WAGE REGULATIONS ADOPTED BY THE DEPARTMENT OF LABOR ON APRIL 3, 1992.

CLASSIFICATIONS OF WORKERS ARE DETERMINED BY THE DEPARTMENT OF LABOR. FOR ASSISTANCE IN CLASSIFYING WORKERS, OR FOR A COPY OF THE REGULATIONS OR CLASSIFICATIONS, PHONE (302) 451-3423.

NON-REGISTERED APPRENTICES MUST BE PAID THE MECHANIC'S RATE.

PROJECT: T201280101.02 Contract No. T201280101.02 Fabric Building Replacement  
Statewide, Multiple Counties

Contract No. T201280101.02

**SUPPLEMENTAL SPECIFICATIONS  
TO THE  
AUGUST 2001  
STANDARD SPECIFICATIONS**

**EFFECTIVE AS OF THE ADVERTISEMENT  
DATE OF THIS PROPOSAL  
AND INCLUDED BY REFERENCE**

**The Supplemental Specifications can be viewed and printed from  
the Department's Website.**

To access the Website;

- in your internet browser, enter; <http://www.deldot.gov>
- on the left side of the page under 'INFORMATION', Click; 'Publications'
- scroll down under 'MANUALS' and Click; "Standard Specifications 2001"

The full Website Link is;

[http://www.deldot.gov/information/pubs\\_forms/manuals/standard\\_specifications/index.shtml](http://www.deldot.gov/information/pubs_forms/manuals/standard_specifications/index.shtml)

Printed copies of the Supplemental Specifications are available upon request. A printed copy of the above referenced Supplemental Specifications will be included in the final contract documents upon award.

**The Contractor shall make himself aware of these revisions and corrections (Supplemental Specifications), and apply them to the applicable item(s) of this contract.**

Contract No. T201280101.02

# **SPECIAL PROVISIONS**





**CONSTRUCTION ITEM NUMBERS**

All construction pay items are assigned a six (6) digit number, shown as Item Number on the Plans and/or in the Special Provisions, and shall be interpreted in accordance with the following:

**Standard Item Number:**

The first three digits of the construction item numbers indicates the Section number as described in the Standard Specifications, and all applicable requirements of the Section shall remain effective unless otherwise modified by the Special Provisions. The last three digits of the construction item identifies the item by sequential number under that Section. Sequential numbers for all items covered under Standard Specifications range from 000 to 499. A comprehensive list of construction item numbers begins on page 421 of the Standard Specifications. Additions to this list will be made as required.

**Special Provisions Item Number:**

The first three digits of the construction items, covered under Special Provisions, indicates the applicable Section number of the Standard Specifications, and shall be governed fully by the requirements of the Special Provisions. The last three digit of the items covered under Special Provisions identifies the item by sequential number. Sequential numbers for Special Provision items, range from 500 to 999.

Examples

**Standard Item Number - 202000 Excavation and Embankment**

202 Indicates Section Number

000 Indicates Sequential Number

**Special Provision Item Number - 202500 Grading and Reshaping Roadway**

202 Indicates Section Number

500 Indicates Sequential Number

**401502 - ASPHALT CEMENT COST ADJUSTMENT**

For Sections 304, 401, 402, 403, 404, and 405, payments to the Contractor shall be adjusted to reflect increases or decreases in the Delaware Posted Asphalt Cement Price when compared to the Project Asphalt Cement Base Price, as defined in these Special Provisions.

The Delaware Posted Asphalt Cement Price will be issued monthly by the Department and will be the industry posted price for Asphalt Cement, F.O.B. Philadelphia, Pennsylvania.

The Project Asphalt Cement Base Price will be the anticipated Delaware Posted Asphalt Cement Price expected to be in effect at the time of receipt of bids.

All deviations of the Delaware Posted Asphalt Cement Price from the Project Asphalt Cement Base Price are eligible for cost adjustment. No minimum increases or decreases or corresponding percentages are required to qualify for cost adjustment.

Actual quantity of asphalt cement qualifying for any Asphalt Cement Cost Adjustment will be computed on the basis of weight tickets and asphalt percentage from the approved job mix formula.

For Recycled Hot-Mix the asphalt percentage eligible for cost adjustment shall be only the new asphalt cement added to the mix.

There shall be no separate payment per ton (metric ton) cost of asphalt cement. That cost shall be included in the various unit prices bid per ton (metric ton) for those bid items that contain asphalt cement (mentioned above).

The Asphalt cement cost adjustment will be calculated on grade PG 64-22 asphalt regardless of the actual grade of asphalt used. The Project Asphalt Cement Base Price for the project will be \$593.33 per ton (\$654.04 per metric ton).

If the Contractor exceeds the authorized allotted completion time, the price of asphalt cement on the last authorized allotted work day, shall be the prices used for cost adjustment during the time liquidated damages are assessed. However, if the industry posted price for asphalt cement goes down, the asphalt-cement cost shall be adjusted downward accordingly.

**NOTE**

Application of Asphalt Cement Cost Adjustment requirements as indicated above shall apply only to those contracts involving items related to bituminous base and pavements, and with bitumen, having a total of 1,000 tons (1,000 metric tons) or more of hot-mix bid quantity in case of Sections 401, 402 and 403; and 15,000 gallons (60 000 liters) or more in case of Sections 304, 404 and 405.

**763569 - BUILDINGS**

**Description:**

This work consists of the structural improvements for the three existing fabric buildings. The improvements consist of providing all materials, labor, and equipment necessary to remove and dispose of various endwall posts and pipe bridging, installation of new pipe bridging, web members, and wire rope bracing complete including bolts, connectors, turnbuckles, clamps and all else necessary for installation, and the removal and replacement of the existing fabric as necessary for construction. Also included in this bid item is the installation of the new buttress supports complete, including the pipe, concrete foundation, rebar, grout, steel angles and plates, bolts, excavation, patching damaged pavement and all else necessary to provide the work complete as indicated in the Contract Drawings.

**Materials and Construction:**

All materials and construction shall conform to the requirements of the Contract Drawings and any technical specifications referenced.

**Pre-Bid Meeting:**

The meeting information is provided on the first page of this contract (page i). The bidder's representative must sign-in and identify the name of the bidder they represent.

**Method of Measurement:**

Payment for this item will be made on a lump sum basis wherein no measurement will be made.

**Basis of Payment:**

Payment will be made at the Lump Sum price bid for this item and per the breakout sheet. The price bid shall include the cost for performing the work specified and furnishing all labor, materials, tools, equipment and incidentals necessary to provide a complete, working and usable facility acceptable to the Engineer.

**Note:**

A breakout sheet is attached to the proposal that lists the locations of the fabric buildings. The Contractor shall specify a cost for each location. The lump sum price for Item 763569 - Buildings shall be the sum of the cost for all locations listed. Failure to submit the breakout sheet with the Bid Proposal will result it being declared non responsive and rejected.

8/23/12

Contract No. T201280101.02

# **TECHNICAL SPECIFICATIONS**

**CONTRACT   T201280101.02**



## **TRUSS-ARCH FABRIC COVERED STEEL FRAME SYSTEM**

### **DESCRIPTION**

This work consists of providing all materials, labor, and equipment necessary to provide, fabricate, supply and install a truss-arch fabric covered steel frame system with a tensioned fabric membrane cover to be supported by either the existing, modified, or replaced foundation and all else necessary to provide the work complete as indicated in the Contract. The General Contractor shall be responsible for the work described herein.

### **PART 1 DESCRIPTION**

#### **1.1 SUMMARY**

- A. The structure shall be a truss-arch fabric covered steel frame system with a tensioned fabric membrane cover. The fabric shall have low elongation characteristics under tension.
- B. The structure shall be supported by the existing foundation. A survey of the existing foundation shall be provided by the contractor. Modification, remediation and/or replacement of the existing foundation are to be included as part of the general contractor's work.
- C. The structure shall reuse the existing weather-tight doors on both ends which provide access for all required vehicles.
- D. The interior of the structure below the main trusses shall be a clear span free of any structural support members and shall provide unobstructed floor space.
- E. No exterior purlins, guy ropes or cables shall be used for anchoring the structure.
- F. Performance Requirements: The truss-arch fabric covered steel frame system manufacturer shall be responsible for all configuration and fabrication of the complete truss-arch fabric covered steel frame system structure. All materials provided shall be new and unused.
- G. A complete fabric covered structure shall be provided including, if necessary, remediation of the existing foundation and anchorage to facilitate long term storage of salt.

#### **1.2 SCOPE**

- A. Develop, Furnish, and Install as specified herein for the new truss-arch fabric covered steel frame system to include:
  - 1. Provision of a new truss-arch fabric covered steel frame system.
  - 2. Survey, examination, and structural analysis of existing foundation.

3. Calculations and drawings for a new truss-arch fabric covered steel frame system.
4. Calculations and drawings for correction work to existing foundation.
5. Fabrication and installation of remedial repair materials for foundations as required.
6. Fabrication and installation of truss-arch fabric covered steel frame system reusing the existing weather-tight access doors.

### 1.3 INFORMATION PROVIDED BY OWNER

- A. The Owner will provide information in its possession reasonably necessary to execute the Work.
  1. The Owner does not guarantee the accuracy of any information it provides. The furnishing of this material by the Owner shall not relieve the Contractor of its responsibilities under the Contract Documents.
  2. The Contractor shall review any materials furnished by the Owner, and notify the Owner of the discovery of any inaccuracy.
- B. Upon request, the Owner shall furnish surveys describing the physical characteristics, legal limitations and utility locations for the site of the Project, and a legal description of the site and other pertinent information it has available.
- C. Contact Owner for Reference Drawings and Documents.
- D. Each of the three (3) structures shall meet the requirements of the applicable edition of the IBC and the minimum design loads indicated for the authority having jurisdiction below. The contractor shall verify design loads with the local building official for the authority having jurisdiction prior to providing the structure.

Design Loads	<u>Dagsboro</u>	<u>Magnolia</u>	<u>Smyrna</u>
A. Building Classification Category	1	1	1
B. Ground Snow Pg	20 PSF	25 PSF	25 PSF
Flat Roof Snow Load, Pf	12 PSF	15.1 PSF	15.1 PSF
Snow Exposure Factor	0.9	0.9	0.9
Snow Thermal Factor	1.2	1.2	1.2
Snow Importance Factor	0.8	0.8	0.8
C. Wind Speed	100 MPH	95 MPH	90 MPH
Exposure	C	C	C
Importance Factor I	0.87	0.87	0.87
Internal Pressure Coefficient	±0.18	±0.18	±0.18
D. Temperature Range	-20° F - 110°F	-20° F - 110°F	-20° F - 110°F
E. Collateral Load	1.5 PLF	1.5 PLF	1.5 PLF
F. Roof Live Load	5 PSF	5 PSF	5 PSF
G. Seismic Design			
Seismic Importance Factor I	1	1	1
Mapped Spectral Response Acceleration	0.12	0.16	0.20
Ss			
Mapped Spectral Response Acceleration	0.04	0.05	0.05



Si	Site Soil Class	D	D	D
	Spectral Coefficient, Sds	0.13	0.17	0.21
	Spectral Coefficient, Sdl	0.07	0.08	0.08
	Seismic Design Category	B	B	B
	Basic Structural System	Building Frame	Building Frame	Building Frame
	Seismic Force Resisting System	Steel System Not Specifically Detailed for Seismic Resistance (Table 12.2- 1H, ASCE 7- 02)	Steel System Not Specifically Detailed for Seismic Resistance (Table 12.2- 1H, ASCE 7- 05)	Steel System Not Specifically Detailed for Seismic Resistance (Table 12.2-1H, ASCE 7-05)
	H. Minimum Soil Bearing Pressure	2000 PSF	3000 PSF	3000 PSF
	E.	The maximum allowable deflection of the structural shall be 1/180 and the maximum story drift shall be 0.025 x the height.		

1.4 SITE CONDITIONS

- A. The Contractor shall visit the site and examine and note all conditions as to character and extent of work involved. No extra compensation will be allowed for conditions visible by inspection or conditions determinable from the Reference Documents.
- B. Survey existing foundation to establish dimensions.

1.5 QUALITY CONTROL

- A. Single-Source Responsibility: Obtain the truss-arch fabric covered steel frame system components, including structural framing and accessory components, from one source.
- B. Manufacturer's Qualifications: Provide truss-arch fabric covered steel frame system components, including structural framing and accessory components, manufactured by a firm experienced in truss-arch fabric covered steel frame systems a minimum of five (5) years.
- C. Installer Qualifications: Engage an experienced installer who has specialized in the erection and installation of truss-arch fabric covered steel frame systems similar to that required for this Section for a minimum of five (5) years.
- D. Engineer Qualifications: Engage a Professional Engineer licensed in the State of Delaware and experienced in truss-arch fabric covered steel frame systems.
- E. All materials and fabrication shall be in compliance with the building code corresponding to the authority having jurisdiction and in compliance with IBC Chapter 16 and IBC Chapter 17 Structural Testing and Special Inspections.

- F. Tests and Inspection
1. Inspections shall not relieve the Contractor from full responsibility for the accuracy and character of the Work in all details.
  2. Inspection of fabrications shall be provided by the Fabricator, in accordance with IBC Section 1704.2, for structural load-bearing members and assemblies if fabrication is to be done on the premises of the fabrication shop.
    - a. Special Inspection is not required for Fabricators registered and approved to perform such work without Special Inspections by an approved agency.
    - b. Fabricator Approval: Approval shall be based upon review of the Fabricator's written procedural and quality control manuals and periodic auditing of fabrication practices by an approved Special Inspection Agency paid for by the Fabricator or the Contractor.
  3. Remediation of existing foundation and erection of the truss-arch fabric covered steel frame system shall be tested and inspected in accordance with IBC Chapter 17 Structural Testing and Special Inspections.
  4. The system and foundation remediation shall be inspected during construction in accordance with Section 1704 of the IBC.
  5. All field welds shall be in accordance with AWS Specifications, and high-strength bolt connections, in accordance with AISC Specifications, shall be subject to an inspection by a testing agency approved by the Owner in accordance with IBC Chapter 17 Structural Testing and Special Inspections.

#### 1.6 REGULATORY REQUIREMENTS

- A. Conform to applicable code for fire resistance rating for truss-arch fabric covered steel frame system covering.
- B. Life Safety: All fabric structures shall ensure that no life safety issue is created in the event of a loss of the fabric. The structural support members shall not rely on the fabric for structural stability.
- C. Permits: Apply for and acquire all permits necessary. The owner will pay for all associated fees.

#### 1.7 DELIVERY, STORAGE, AND HANDLING

- A. Delivery and Storage: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer. Store materials in accordance with manufacturer's instructions, in a clean, dry, well ventilated area, above ground on blocking, and do not allow materials to become wet, stained, or dirty.
- B. Handling: Handle materials so as to protect materials, coatings, and finishes during transportation and installation to prevent damage or staining. Handle fabric in accordance with manufacturer's instructions. Use care in handling of fabric to avoid damage to fabric material and coating. Do not damage, crush, or kink cables where occurs.

- C. Existing Doors: Completely dismantle, unbolt, and remove existing doors in a manner that permits reuse. Neatly stockpile onsite. Ensure doors and door components remain undamaged and are re-assembled in the new structure in satisfactory working condition.
- D. All existing construction, equipment, finishes, etc to remain that are damaged, disturbed or removed in the course of the work shall be repaired or restored to their original condition at no additional expense to the owner.

#### 1.8 MAINTENANCE MANUAL

- A. Upon completion of the project, the contractor shall supply the owner with three (3) copies of a manual detailing the manufacturer's suggested periodic maintenance for the complete truss-arch fabric covered steel frame system including but not limited to the care and maintenance of the fabric cover, truss structures, and cable tensioning.

#### 1.9 WARRANTY

- A. Warrant frame, fabric materials and associated workmanship against defects for a period of 15 years from the date of substantial completion of the work.
- B. Warrant all other materials and workmanship against defects for a period of 1 year from date of substantial completion of work.

#### 1.10 SUBMITTALS

- A. Truss Arch Steel Frame:
  - 1. Professional Engineer's Certification: Submit certificate prepared and signed by a Professional Engineer, licensed by the State of Delaware, certifying that the complete truss-arch fabric covered steel frame system, including but not limited to the structural framing, components, fabric, foundation, and soils meet indicated loading requirements and codes of authorities having jurisdiction.
  - 2. Testing and Observation:
    - a. Verify actual chord and web member thicknesses per AISC.
  - 3. Design Loads: Provide the following in accordance with ASCE 7 and the authority having jurisdiction.
    - a. Building classification category
    - b. Ground snow load.
    - c. Unbalanced snow loads
    - d. Wind speed
    - e. Collateral load
    - f. Roof live load
    - g. Seismic design criteria
    - h. Soil bearing pressure
  - 4. Review of Existing Foundation Documents:
    - a. Use load combinations from ASCE 7-05 or current code of record.
    - b. Verify the correct  $F_y$  (yield strength) values were used.

- c. Determine if companion loads were considered, combining snow loads with wind loads in the same combination as required by code.
  - d. Verify unbalanced loads are calculated correctly, including Cs factors.
  - e. Verify that endwall column wind pressures have been designed for components and cladding wind pressures unless they meet the special requirements of ASCE 7-05, Section 6.5.12.1.3
  - f. Truss and endwall column anchorage to foundations shall be provided.
  - g. Sill and head anchors of endwall columns shall be provided for capacity and stability.
5. Calculations, signed and sealed by a Professional Engineer registered in the state of Delaware, shall include, at minimum but not limited to, all design loads, member sizing, connection design, lateral design, and base plate design.
- a. Calculations shall be provided using RISA 3D (FEA) for verification of the structure.
  - b. Calculations for steel components shall use AISC "Load Resistance Factor Design".
  - c. Calculation shall be based on using effective length factor (k) for truss chords as determined per AISC and/or AISI.
  - d. Where tensioning of fabric imparts loads to the structure, provide diagram denoting fabric loads on the structure.
  - e. Diagram density bracing locations used in FEA analysis
  - f. Submit Analysis Calculations of new truss-arch fabric covered steel frame system including all joints
  - g. Submit Analysis Calculations of existing foundation.
    - 1) Analyze the existing foundation after correct base reactions from new truss-arch fabric covered steel frame system are applied.
    - 2) Foundation analysis shall be performed on foundations based on the existing drawings available.
  - h. Submit Correction Calculations.
    - 1) Reinforcements shall be used to ensure results of components have a unity check less than 1.03.
6. Fabrication and Erection Drawings:
- a. Include details showing fabrication and installation of the components and accessories required.
  - b. Show anchor bolts settings, if required, and sidewall, end wall, and roof framing. Include transverse cross-sections.
- B. Fabric:
1. Submit five (5) samples of fabric
  2. Sample size: 8 1/2" x 11"
- C. Submit the following Shop Drawings in accordance with the Delaware Department of Transportation standard specifications for road and bridge construction.
1. Five (5) sets of Shop Drawings signed and sealed by a Professional Engineer licensed in the State of Delaware for required remediation of existing foundation.

2. Five (5) sets of Shop Drawings signed and sealed by a Professional Engineer licensed in the State of Delaware for required truss-arch fabric covered steel frame system

#### 1.11 REFERENCES AND STANDARDS

The following publications are for the standards listed herein but referred to within the document by basic letter designation only. They form a part of this specification to the extent referenced thereto:

- A. Edition of ASCE 7 currently adopted by authority having jurisdiction.
- B. Current IBC edition adopted by authority having jurisdiction.
- C. American Institute of Steel Construction (AISC) Manual of Steel Construction, Current Edition.
- D. American Institute of Steel Construction (AISC) Load and Resistance Factor Design Specification for Steel Hollow Structural Sections, Current Edition.
- E. AWS D1.1 American Welding Society Structural Welding Code, Current Edition.
- F. American Iron and Steel Institute (AISI) standards referred to herein.
- G. American Society for Testing and Materials (ASTM) standards referred to herein.

## PART 2 MATERIALS

- 2.0 Using performance requirements and design standards and criteria, provide a prefabricated system, components and necessary field connections required to permit easy assembly and disassembly.

### 2.1 Approved Architectural Fabric Membrane Materials

1. PTFE (Polytetrafluoroethylene) coated Fiberglass
  - a. Base Fabric: Woven "EC6" glass.
  - b. Coating: PTFE.
  - c. Tensile Strength: to meet design requirements
  - d. Combustibility: Non-combustible substrate when tested in accordance with ASTM E 136.
  - e. Intermittent Flaming: Class A (ASTM E 108)
  - f. Flam Spread: Class A (ASTM E 84)
  - g. Flame Retardancy: NFPA 701.
  - h. Solar Transmission: 19 percent, minimum
  - i. Seams: Welded, with sufficient strength to develop 90 percent of full strength of fabric
  - j. Expected Service Life: 20 to 25 years

- k. Color After Exposure to Sunlight: White
- l. Composure: Solid and water repellent
- m. Neoprene gaskets to be used to protect PTFE against contact with metal components
- 2. HDPE (High Density Polyethylene)
  - a. Mesh fabric made from UV stabilized HDPE
  - b. Fire Retardancy: NFPA 701
  - c. Seams: Sewn with PTFE thread in a zig-zag stitch to prevent failure under tension
  - d. Color: White
  - e. Expected Service Life: 20 to 25 years
- 3. ePTFE (Expanded Polytetrafluoroethylene)
  - a. Tensile Strength: to meet design requirements
  - b. Light Transmission: 30%-40% with respect to associated required strength
  - c. Color: White
  - d. Flame Retardancy: NFPA 701
  - e. Flame Spread: Class A (ASTM E 84)
  - f. Composure: Solid and water repellent
  - g. Seams: RF Sealed with sufficient strength to develop 90 percent of full strength of fabric
  - h. Expected Service Life: 20 to 25 years
  - i. Recyclable material construction

## 2.2 Structural Steel Framing

- 1. Structural steel framing shall be in accordance with the latest edition of AISC “Manual of Steel Construction”. All steel angles and plates shall be ASTM A36 and A500 Grade B for structural steel tubes. All cold-formed framing should be in accordance with ASTM A-569 and ASTM A-568.
- 2. The fabrication of the steel shall be in accordance with guidelines set forth in the AISC steel design manual and with the AWS code of structural welding.
- 3. All welds shall be in accordance with the AWS code and performed prior to shipping. No welding shall be performed in the field unless authorized in writing by the Owner or Owner’s representative.
- 4. The structural members shall be fabricated in as large segments as possible to minimize field joints.
- 5. All segments of the assembly will be welded or stamped with the appropriate part number in a manner that will still be visible after powder coating is applied.
- 6. Grind all corners and sharp edges.
- 7. Pre-drill holes in steel members as required for fastening, blocking, etc.
- 8. The steel framing shall be galvanized prior to fabrication.

## 2.3 Aluminum Membrane Plates and Clamps

- 1. Aluminum shall conform to alloy 6061-T6.
- 2. All components will be welded or stamped with appropriate part number in a manner that will still be visible after powder coating is applied.
- 3. The aluminum shall be polyester powder painted to a minimum of 3 mils.

## 2.4 Cables and Fittings

- 1. Galvanized Cables and Fittings:

- a. All structural wire rope shall be made from Wire Rope conforming to AISI Steel Cable Manual requirements with a Class A galvanized coating or approved substitute.
  - b. Wire rope shall be improved plow steel 6 x 19 IWRC.
  - c. All cable terminations and connectors shall be hot-dipped galvanized for corrosion protection.
  - d. Cables shall be designated with a minimum safety factor of 2 on breaking strength.
  - e. Cables with are designated to be prestretched shall be prestretched per ASTM A603 for wire rope. Cables of the same type shall have the same modulus of elasticity.
  - f. All cables and end fittings shall be delivered clean and dry.
  - g. All swaged and spltered fittings shall be designated and attached to develop the full breaking strength of the cable. Thimble end fittings shall develop a minimum of 110% of the cable breaking strength.
  - h. Swaged end fittings, pins, nuts and washers shall be electro-galvanized.
  - i. Spltered end fittings shall be hot-dipped galvanized.
  - j. Attach a tag indicating the cable length and mark number to each cable assembly.
  - k. Cables shall be tensioned to double the manufacturer's required load before length is cut.
  - l. Cables shall be tensioned to the manufacturer's required load when measuring the cut length that is indicated on the shop drawings.
2. Stainless Steel Cables and Fittings:
- a. Cables shall be 1 x 19 Stainless Steel Open Strands, Grade 316
  - b. Attach a tag indicating the cable length and mark number to each cable assembly.
  - c. Cables shall be tensioned to double the manufacturer's required load before length is cut.
  - d. Cables shall be tensioned to the manufacturer's required load when measuring the cut length that is indicated on the shop drawings.

## 2.5 Bolts and Related Fasteners

1. Fasteners and hardware accessories shall be of types and sizes best suited for the purpose as recommended by the Professional Engineer sealing and signing the calculations and shop drawings for both the structure and/or the remedial repairs to the foundation.
2. Fasteners used on main structural members shall be hot-dipped galvanized high-strength bolts including nuts and washers, and conforming with ASTM A325 or A490 as applicable. All other fasteners shall be adequately sized and treated for corrosion protection.
3. Concrete anchor bolts shall conform to ASTM F1554 Grade 36 and be hot-dipped galvanized.
4. Remedial repair adhesive anchors shall have current evaluation reports for the applicable edition of the building code adopted by the local authority having jurisdiction.

## **PART 3 CONSTRUCTION METHODS**

### **3.1 EXAMINATION**

- A. Examine the conditions under which this work is to be performed and notify Owner of any conditions which differ.
- B. Survey, examine and conduct a structural analysis of existing foundations.
- C. Correct unsatisfactory conditions before proceeding with construction.
- D. Complete required remediation existing foundation prior to proceeding with installation of the structure.

### **3.2 DEMOLITION**

- A. Submit a proposed plan of demolition to the Department at the pre-construction meeting showing and describing the removal methods to be used for removal of the existing structure.
- B. All material and equipment resulting from demolition shall become the contractor's property, shall not be used in the work and shall be properly disposed of off site.
- C. Notwithstanding 3.2.B, as noted in 1.7.C above, the doors and door assemblies shall be removed, stockpiled and reassembled as directed.

### **3.3 FABRICATION**

- A. Structural Framing
  - 1. Shop fabricate components to the greatest extent possible. Field fabrication only upon where shown on approved shop drawings.
    - a. Fabricate in such a manner that once assembled, they may be disassembled, repackaged, and reassembled with a minimum amount of labor.
    - b. Shop fabricate framing components to indicated size and section with base plates, bearing plates, and other plates required for erection, welded in place.
  - 2. Clearly and legibly mark each piece and part of the assembly to correspond with prepared erection drawings, diagrams, and instructions.
  - 3. Provide holes for anchoring or connections shop drilled or punched to template dimensions.
  - 4. Shop Connections: Provide power riveted, bolted, or welded shop connections.
  - 5. Field Connections: Provide bolted field connections.

### **3.4 ERECTION**

- A. Truss-arch fabric covered steel frame system manufacturer will prepare a full and comprehensive assembly procedure guide prior to installation.



- B. Comply with manufacturer recommendations, the approved shop drawings, and the applicable code requirements.
- C. Weather Conditions: Proceed with installation of the fabric and associated work only when existing and forecasted weather conditions will permit work to be performed in accordance with manufacturer's recommendations. The fabric covered structure shall not be installed when wind conditions are deemed in excess of manufacturer's determination of safe wind speed erection conditions. It shall be the manufacturer's sole discretion to determine acceptable and safe wind condition for installation.
- D. Framing and structural members: Anchor bolts shall be accurately set. Uniform bearing under base plates shall be provided using non shrink grouting compound where applicable. Members shall be accurately set to assure proper fitting and covering. As erection progresses, the work shall be securely fastened to resist the dead load and wind and erection stresses. Erected structural frame work shall be adequately guyed and secured to resist all possible loads due to wind and the installation process.
- E. Fabric: Prior to start of installation; check all surfaces of framing members and other rigid construction elements to be in contact with fabric to ensure that all edges are smooth and well rounded. Remove any potential causes for snagging or tearing of the fabric. Properly install all connections and provide all materials and equipment required for the erection and stressing of the fabric. Unroll the fabric in such a manner as to avoid snagging or dragging the fabric over sharp objects during installation. Adequate fabric prestress shall be confirmed by the fabric structure manufacturer and the appearance of the fabric membrane roof shall be smooth and wrinkle free. Creasing or folding the fabric around sharp corners shall be avoided at all times.
- F. Fabric tensioning system: Cables shall be free of all kinks and bends. Care shall be taken not to damage cables during installation. Bolt holes shall be 1/16" larger than the bolt, unless otherwise indicated.
- G. Doors: Re-assemble existing doors and door components, ensuring function and condition equivalent to function and condition prior to disassembly.

### 3.5 CLEANING AND PROTECTION

- A. Protect factory finishes from damage.
- B. After installation, restore marred or abraded surfaces to original condition using same paint or coating as factory-applied finishes, when the results are acceptable to the Owner, otherwise replace damaged equipment.

## **PART 4 METHOD OF MEASUREMENT:**

### 4.1 METHOD OF MEASUREMENT:

- A. No separate measurement shall be made for work under this section.

**PART 5 BASIS OF PAYMENT:**

5.1 METHOD OF PAYMENT:

- A. No separate payment will be made for work under this Specification Section. The cost of the work, complete in place, described in this Specification Section shall be included in the respective Lump Sum Bid.
- B. Costs include all labor, material, services and equipment necessary to complete the work in every respect.

END OF SECTION

**BID PROPOSAL FORMS**  
CONTRACT T201280101.02



CONTRACT ID: T201280101.02 PROJECT(S): T201280101

All figures must be typewritten.

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS   CTS	BID AMOUNT DOLLARS   CTS
---------	------------------	----------------------------	--------------------------	--------------------------

SECTION 0001 FABRIC BUILDING REPLACEMENT

0010	763000 INITIAL EXPENSE INITIAL EXPENSE	LUMP	LUMP	
0020	763569 BUILDINGS REPLACEMENT OF FABRIC SHED PER SPEC	LUMP	LUMP	
	SECTION 0001 TOTAL			
	TOTAL BID			

CANNOT BE  
USED FOR  
BIDDING



# CANNOT BE BREAKOUT SHEETS

THE FOLLOWING SHEETS MUST BE COMPLETED AND RETURNED WITH THE PROPOSAL AT THE TIME OF BID. FAILURE TO COMPLETE THE BREAKOUT SHEETS AS REQUIRED WILL RESULT IN THE BID BEING DECLARED NON-RESPONSIVE AND WILL NOT BE CONSIDERED. BREAKOUT SHEETS MUST BE COMPLETED REGARDLESS OF WHETHER BIDDING BY ELECTRONIC MEANS OR TYPEWRITTEN HARD COPY.

# BIDDING





CANNOT BE  
USED FOR  
BIDDING

SECTION 1		BREAKOUT SHEET - 1		CONTRACT NO. T201280101.02	
ITEM 763569 - BUILDINGS					
ITEM NO.	Location - Description	Unit of Measurement	UNIT PRICE	AMOUNT	
1	Dagsboro (Existing dimensions 70' x 100')	LS	\$	\$	
2	Magnolia (Existing dimensions 70' x 100')	LS	\$	\$	
3	Smyrna (Existing dimensions 80' x 120')	LS	\$	\$	
TOTAL ITEM 763569 - Buildings \$ _____ (LUMP SUM BID PRICE FOR ITEM 763569)					



# "ATTENTION"

## TO BIDDERS

This Bid Proposal includes breakout sheets. The breakout sheets **MUST ACCOMPANY** the bid proposal at the time of bid. Failure to return completed breakout sheets **WILL RESULT** in the bid proposal being declared non-responsive and **REJECTED** as irregular.



LIST OF SUBCONTRACTORS

In accordance with 29 Del. C. S6962(d)10a., a Pre-Bid Meeting will be held at the time and place listed below to select the subcontractor categories to be included in the bids for performing the work required for this contract:

PRE-BID MEETING

TIME : 10:30 AM

DATE : September 6, 2012

LOCATION : DelDOT Administration Center, 800 Bay Road, Dover, DE 19901

CANNOT BE  
USED FOR  
BIDDING



LIST OF SUBCONTRACTORS

This proposal is based on work to be performed by the Subcontractors listed below for the categories selected at the Pre-Bid Meeting on

September 6, 2012 at 10:30 AM.

A bid submitted in the name of an individual should list the individual names followed by T/A and the name of the company.

EXAMPLE: John Doe, T/A Doe Contracting Company

In accordance with Title 29, Subsection 6962(d)(10)b of the Delaware Code, a penalty of \$2,000.00 will be withheld from the successful bidder for each occurrence for the failure to utilize any or all of the Subcontractors set forth below:

CATEGORIES                      SUBCONTRACTOR                      ADDRESS  
CITY AND STATE

CANNOT BE

USED FOR

BIDDING





**CERTIFICATION**

Contract No.  T201280101.02

The undersigned bidder, \_\_\_\_\_ whose address is \_\_\_\_\_  
\_\_\_\_\_ and telephone number is \_\_\_\_\_  
\_\_\_\_\_ hereby certifies the following:

I/We have carefully examined the location of the proposed work, the proposed plans and specifications, and will be bound, upon award of this contract by the Department of Transportation, to execute in accordance with such award, a contract with necessary surety bond, of which contract this proposal and said plans and specifications shall be a part, to provide all necessary machinery, tools, labor and other means of construction, and to do all the work and to furnish all the materials necessary to perform and complete the said contract within the time and as required in accordance with the requirements of the Department of Transportation, and at the unit prices for the various items as listed on the preceding pages.

The foregoing quantities are considered to be approximate only and are given as the basis for comparison of bids. The Department of Transportation may increase or decrease the amount of any item or portion of the work as may be deemed necessary or expedient. Any such increase or decrease in the quantity for any item will not be regarded as a sufficient ground for an increase or decrease in the unit prices, nor in the time allowed for the completion of the work, except as provided in the contract.

Accompanying this proposal is a surety bond or a security of the bidder assigned to the Department of Transportation, for at least ten (10) percentum of total amount of the proposal, which deposit is to be forfeited as liquidated damages in case this proposal is accepted, and the undersigned shall fail to execute a contract with necessary bond, when required, for the performance of said contract with the Department of Transportation, under the conditions of this proposal, within twenty (20) days after date of official notice of the award of the contract as provided in the requirement and specifications hereto attached; otherwise said deposit is to be returned to the undersigned.

I/We are licensed, or have initiated the license application as required by Section 2502, Chapter 25, Title 30, of the Delaware Code.

By submission of this proposal, each bidder and each person signing on behalf of any bidder, certifies as to its own organization, under penalty of perjury, that to the best of each signer’s knowledge and belief:

1. The prices in this proposal have been arrived at independently without collusion, consultation, communication, or Agreement with any other bidder or with any competitor for the purpose of restricting competition.
2. Unless required by law, the prices which have been quoted in this proposal have not been knowingly disclosed and will not knowingly be disclosed by the bidder, directly or indirectly, to any other bidder or competitor prior to the opening of proposals.
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 proposal for the purpose of restricting competition.

I/We acknowledge receipt and incorporation of addenda to this proposal as follows:

No.	Date	No.	Date	No.	Date	No.	Date	No.	Date
-----	------	-----	------	-----	------	-----	------	-----	------

**(FAILURE TO ACKNOWLEDGE RECEIPT OF ALL ADDENDA WILL RESULT IN THE BID BEING DECLARED NON-RESPONSIVE.)**

Sealed and dated this \_\_\_\_\_ day of \_\_\_\_\_ in the year of our Lord two thousand and \_\_\_\_\_  
\_\_\_\_\_ ( 20\_\_ ).

\_\_\_\_\_  
Name of Bidder (Organization)

Corporate  
Seal

By:

\_\_\_\_\_  
Authorized Signature

Attest \_\_\_\_\_

\_\_\_\_\_  
Title

SWORN TO AND SUBSCRIBED BEFORE ME this \_\_\_\_ day of \_\_\_\_\_, 20\_\_.

Notary  
Seal

\_\_\_\_\_  
Notary

**BID BOND**

TO ACCOMPANY PROPOSAL  
(Not necessary if security is used)

KNOW ALL MEN BY THESE PRESENTS That: \_\_\_\_\_  
of \_\_\_\_\_ in the County of \_\_\_\_\_ and State of \_\_\_\_\_  
as **Principal**, and \_\_\_\_\_ of \_\_\_\_\_ in the  
County of \_\_\_\_\_ and State of \_\_\_\_\_ as **Surety**, legally authorized to do business in the State of  
Delaware ("**State**"), are held and firmly unto the **State** in the sum of \_\_\_\_\_  
Dollars (\$ \_\_\_\_\_), or \_\_\_\_\_ percent not to exceed \_\_\_\_\_  
Dollars (\$ \_\_\_\_\_) of amount of bid on Contract  
No. T201280101.02 , to be paid to the **State** for the use and benefit of its Department of Transportation  
("**DeIDOT**") for which payment well and truly to be made, we do bind ourselves, our and each of our heirs,  
executors, administrators, and successors, jointly and severally for and in the whole firmly by these presents.

NOW THE CONDITION OF THIS OBLIGATION IS SUCH That if the above bounden **Principal**  
who has submitted to the **DeIDOT** a certain proposal to enter into this contract for the furnishing of certain  
materiel and/or services within the **State**, shall be awarded this Contract, and if said **Principal** shall well and  
truly enter into and execute this Contract as may be required by the terms of this Contract and approved by  
the **DeIDOT**, this Contract to be entered into within twenty days after the date of official notice of the award  
thereof in accordance with the terms of said proposal, then this obligation shall be void or else to be and  
remain in full force and virtue.

Sealed with \_\_\_\_\_ seal and dated this \_\_\_\_\_ day of \_\_\_\_\_ in the year of our Lord two thousand and  
\_\_\_\_\_ (20\_\_).

SEALED, AND DELIVERED IN THE  
presence of

\_\_\_\_\_  
Name of Bidder (Organization)

Corporate  
Seal

By: \_\_\_\_\_  
Authorized Signature

Attest \_\_\_\_\_

\_\_\_\_\_  
Title

\_\_\_\_\_  
Name of **Surety**

Witness: \_\_\_\_\_

By: \_\_\_\_\_

\_\_\_\_\_  
Title

