



Harvey Construction Corporation
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February 12, 2015

Capt. William Breault
Dover Police Department
Field Operations Division
Dover, NH Police Department

RE: Recommendation of Award
 Granite State Glass
GLASS & GLAZING
 Dover Police Facility and Public Parking Garage/Orchard Street Reconstruction

Dear Mr. Breault,

Harvey Construction is seeking approval to award the **GLASS & GLAZING** contract for subject project to **Exactitude Hardware Consultants** for the total amount of **Three Hundred Fifty Nine Thousand Dollars and 0.00/100 (\$359,000.00)**. Scope of work in accordance with the Dover Police Facility and Public Parking Garage Plans dated 11/17/14, Site Development Plans dated 6/30/14 and Orchard Street Reconstruction – Subdivision Plans dated June 2014 prepared by CLD Engineers and Lavallee Brensinger. The final contract amount subject to reconciliation of final ALTERNATES accepted by City.

The following VE alternates are pending selection:

- **ALT #2 SUN SHADES** **\$18,200**

If you have any question or concerns, please advise.

Very Truly Yours,

Harvey Construction Corporation

Andrew P. Martino, P.E., LEED AP
 Project Manager

I hereby authorize Harvey Construction to enter into a contract agreement with the aforementioned subcontractor/supplier on behalf of the City of Dover for the amount stated above.

Capt. William Breault

2/13/15
 Date

Harvey Construction
 Job: DOVER PD/PARKING GARAGE

Bid Tabulation Sheet
 Bid Date: 12/19/2014

Trade:	GLAZING	HCC Budget	Co. Granite State Glass	Co. Galaxy	Co. Portland Glass
Division #8			Contact: Seth Hahn	Contact: Chris /Ryan	Contact: Andy Emmertz
Spec. Sections:	07 42 64, 08 12 16, 08 41 13.01, 08 43 13, 08 44 13, 08 80 00, 08 80 10.01		Phone: 528-4748	Phone: 626-1800 x-32	Phone: 207-774-9851
Scope Check List			12/19/2014	12/19/2014	
Base Bid	POLICE STATION PARKING GARAGE	\$ 378,510 \$ 71,325	\$ 293,600 \$ 54,900	\$ 337,920 \$ 99,030	NO BID RECEIVED
Documents	Dover Police Facility and Public Parking Garage Vol #1, dated November 17, 2014. Dover Police Facility and Public Parking Garage Vol #2, dated November 17, 2014. Dover Police Facility and Public Parking Garage – Site Development Plans 6/30/14 Orchard Street Reconstruction – Subdivision Plans June 2014 Dover Police Facility and Public Parking Garage – Site Landscape Plan 6/25/14 Specifications: Dover Police Facility and Public Parking Garage, Dover New Hampshire, dated November 17, 2014.				
RFI's	1 to 11 RFI #12 - Issued 12/18/14 Post Bid Review				
Addendum	1 & 2				
SCHEDULE	Per HCC Project Schedule dated 12/10/14				
Scope	Metal Composite Panels w/furring - at PD Main Entrance & PG Entrance		Included	Included	
	Interior Aluminum Frames		Included	Included	
	Interior Aluminum Door Frames & Hardware		Included	Included	
	Aluminum Framed Entrances & Storefronts		Included	Included	
	Glazed Aluminum Curtain Walls w/Metal Panel Infills		Included		
	Interior Glazing		excluding cells		
	Stainless Steel Deal Trays w/Two-way Communicators		Included		
	Transaction Drawers		Included		
	FireLite Plus 90 min. fire rated glazing		Included		
	Firesafing at SOD Edges within Curtain Wall System		\$ 2,500		
	Security Glazing - Level 3 Ballistic Rating		Included		
	Mirrors at Bathrooms & Locker Rooms		\$ 2,900		
	Sunshades (structural portion to remain for future install)		need breakout	\$ (14,395)	
	Warranties - 5 year workmanship 10 year manufacturer		PLUG Included	\$ 15,200	
	ALT #2 FRAMES with Sunshade Outriggers for Future SUNSHADE INSTALL		\$ 5,100		
Exclusions					
Total		\$ 449,835	\$ 359,000	\$ 437,755	\$ -
ALT #1	Alternates				
	(NOT USED)		\$ -	\$ -	\$ -
ALT #2	SUN SHADES		\$ 18,200	\$ 16,980	\$ -
ALT #3	(Garage Lower Level – PD Oversize Vehicle Parking Foundation Modification)		\$ -	\$ -	\$ -
ALT #4	(EOC Audio Video Enhancement):		\$ -	\$ -	\$ -
ALT #5	(Site Lighting – Adjacent City Parking Lot)		\$ -	\$ -	\$ -
ALT #6	(Lobby Wall Paneling)		\$ -	\$ -	\$ -
ALT #7	Safety Padding		\$ -	\$ -	\$ -
ALT E-1	Deduct the cost of permits and fees imposed by the City of Dover		\$ -	\$ -	\$ -
Value Engineering					
1					



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Bid Scope

Attention: Harvey Construction – Joe Pollock

Quote #: C14-0246

Project: Dover Police Facility

Bid Date: Dec. 19, 2014 (Updated 2/11/15 MH)

Location: Dover, NH

Estimator: Seth Hahn / Mike Holmes

Furnish & Install: 079005 - Joint Sealant (As it applies to our systems)
081216 - Aluminum Frames (Interior)
084313 - Aluminum Storefronts
084413 - Glazed Aluminum Curtain Walls
087100 - Door Hardware
088000 - Glazing

Per architectural drawings titled "Construction Documents" dated 11/17/2014, conversations with Harvey Construction and as described below.

Includes:

- Shop drawings with PE stamp, site measure up, mock up, equipment for lifting and handling of men and materials.
- EFCO Series 433 thermally broken flush glazed extruded aluminum storefront system with 2" x 4 1/2" frame profile and 1" outside set insulated glazing. Installation accessories include a thermally broken extruded aluminum sill starter flashing, frame perimeter vinyl pocket filler and aluminum sub framing at the head of applicable frames. (11) Exterior frames
- EFCO Series 5500 thermally broken pressure glazed aluminum curtain wall system with 2 1/2" x 7" frame profile for front set 1" insulated glass. (11) Exterior frames.
- EFCO Series T-300 medium stile tie rod aluminum swing doors with 10" bottom rail. (3) Single 3'0" x 7'0" are carried at entrances and interior locations. Hardware to be Sargent AD8500 series rim panics, Sargent series 1431 surface mounted hydraulic closers, continuous hinges where indicated, door stop, key cylinder, push pull handles, pivot hinges, thresholds and bulb gasket weathering.
- Wilson Partitions Series 487 w / 1-1/2" trim (snap on trim type 2). (3) Three 96" x 108" with open lite for 3' x 7' wooden door, (1) One 120" x 108", (14) Fourteen 60" x 108" with open light set up for 3' x 7' wooden door and (1) One 60" x 108" with 3' x 7' wide stile aluminum door. Hardware for (1) one aluminum door to be Sargent series 1431 surface mounted hydraulic closer, push pull handle, pivot hinges, kick plate and door stop. All Wilson Partitions will receive 1/4" tempered glazing.
- Finish of the aluminum systems and doors to be clear anodized.

- C.R. Laurence Narrow Inset Bullet Resistant aluminum exchange windows with UL 752 Level 3 protection, 2-way electronic communicators, drop in deal trays and Level 3 transaction box where indicated on drawings. (1) One unit 52" x 60", (1) One unit 120" x 60", (1) One unit 57 1/4" x 48". Finish to be clear anodized.
- C.R. Laurence Narrow Inset aluminum exchange windows with 1/4" tempered glazing, 2-way electronic communicator and drop in deal tray. (1) One unit 52" x 60". Finish to be clear anodized.
- Exterior perimeter caulking of GSG supplied and installed systems.
- Vision glass to be 1" annealed insulated units incorporating 1/4" Azuria with Solar Ban 70XL lowE on #2, 1/2" argon and 1/4" clear interior lite. Glass to be tempered where required by code.
- Spandrel glass required to hide floor edge in curtain wall frame to be the same as the vision glass with the addition of a standard spandrel frit on the #4 surface. The units will be fully tempered. Color of frit to be selected from manufacturer's standard pallet.
- 1 11/16" Bullet Resistant laminated glazing to provide UL 752 Level 3 protection where indicated on drawings. 4 pieces total.
- Curtainwall metal infill panels as indicated on drawings incorporating 0.04" aluminum face sheet, 4" bonded rigid polyurethane insulated core and aluminum back sheet (mill finish). Finish of aluminum face sheet to match curtainwall frame color.
- Miscellaneous glazing carried per door schedule, page A0.5, in others doors and frames. 20 pieces at 234 square feet.
- TGP Firelite NT 60 minute and 90 minute fire rated glass carried at all glazing within fire rated wall assemblies for others door lites. 11 pieces at 82 square feet.
- 0.040" Brake Metal flashing carried that's integral to our aluminum framing systems where indicated on drawings.

Clarifications:

- ✓ Wilson Partitions Series 1400 is no longer in production, Series 487 is the equivalent.
- ✓ SolarBan 70XL #2 on Azuria is a special order that requires additional lead times. Price based on (1) one release.
- ✓ The largest bullet resistant frame (G9 on A0.4) needs to have an additional mullion to achieve the UL 752 Level 3 rating.
- ✓ Spandrel panel day light openings at curtainwalls incorporating the insulated metal panel will incorporate an aluminum panel widths are 62" maximum.
- ✓ 90 Minute fire rated glazing has a maximum size of 36" x 56 1/2" in doors. Doors 018, 019 and 042A currently show a daylight larger than that. We have carried the rated glass for these doors at the maximum size. The doors will need to have smaller daylites than whats currently drawn.

Exclusions:

- Preparation of rough openings, wood blocking, ice water shield.
- Electrical wiring, final hook-up, *087400 access controls*, explosion panel system.
- Security hollow metal frames, roller shades.
- Thermal batt insulation, foam insulation sealant.
- Parking Garage (provided in other scope).
- Metal Composite Material Wall Panels (provided as an add alternate below).
- Hollow metal frames, wooden doors, louvers.

- Interior caulking of all supplied systems, mirrors.
- Final cleaning or protection of glass / aluminum.
- Replacement / repair of GSG installed materials damaged by others.
- Any products or services not specifically mentioned above.

Addendums: #1 – 12/9/14 #2 (including revised) – 12/16/14

Base Bid:

➤ Two Hundred Sixty One Thousand Two Hundred Dollars \$261,200.00

Add Alternate #1:

- Vision Clad 2075 – RS Aluminum Composite Panel rain screen wall cladding system by Granite State Glass with 2" total offset, 1" route & return panels incorporating 3/4" batten strip reveal joints.
- 63 total panels representing 908 square feet.
- Utilizing 4 mm composite panel material with .019" aluminum faces sheets and FR core (Per NFPA 285), mill finish aluminum attachment clips.
- Aluminum Composite Panels finish to be kynar coil coated paint, color to match "Champagne No. 18".
- 16 gauge steel Z-girts sub framing for our aluminum composite panel system to mount to. 4" depth with 1 1/2" legs on both sides.
- A small amount of perimeter caulking has been carried at some termination locations as DOW Corning CWS, color to be selected from standard pallet.

Add Alt 1 Value –

➤ Thirty Two Thousand Four Hundred Dollars Add \$32,400.00

Exclusions: Specific to Alt 1

- Recessed lighting, wiring for lights
- Sheathing, blocking, waterproofing Tyvek, transition membrane.
- Glass & aluminum, interior fit up package (both provided above).
- Dens-glass or polyisocyanurate insulation behind ACM panel system.
- Final cleaning or protection of installed ACM product.
- Replacement / repair of GSG installed materials damaged by others.

Alternate #2:

- Airfoil type sunscreen integrated into storefront frames 7 & 7A. Sunscreen to incorporate 6" straight shape outriggers, 5 blades per sunshade mounted at a 45° angle from horizontal, 6"

tube fascia, 1/2" mounting bolts for sunshades to brackets. (8) Eight sunshades 128" wide, 30" deep.

Add Alt 2 Value –

- Eighteen Thousand Two Hundred Dollars

Add \$18,200.00

PENDING FROM CITY

Alternate #3:

- 1/4" clear reflective mirrors, located in bathrooms and locker rooms, including top and bottom satin anodized "J" channel with polished edges on sides. 13 pieces at approximately 175 square feet.

Add Alt 3 Value –

- Two Thousand Nine Hundred Dollars

Add \$2,900.00

Alternate #4:

- Storefront frames 7 & 7A to be EFCO series 403 thermally broken flush glazed extruded aluminum storefront system with 2" x 4 1/2" frame profile incorporating sunshade outriggers **only** with the option to apply sunshades arms and blades at a later date.

Add Alt 4 Value –

- Five Thousand One Hundred Dollars

Add \$5,100.00

*****THIS BID WILL BE SUBJECT TO REVIEW AFTER 30 DAYS*****