

ADDENDUM NO. 1

Date of Addendum: 09/09/2022

PROJECT NAME: ISLAND METRO TRANSIT BUS SHELTER IMPROVEMENTS

ITB: 2022-01TD

BID DATE: September 20, 2022 @ 2:00 PM.

FROM: City of South Padre Island
321 Padre Boulevard
South Padre Island,
Texas 78597
Phone: (956) 968-3181

TO: **Prospective Bidders**

This Addendum form is a part of the Bidding Documents and will be incorporated into Contract Documents, as applicable. Insofar as the original Invitation to Bid and Drawings are inconsistent, this Addendum governs. Acknowledge receipt of the Addendum by signing newly added Addenda section to Bid Proposal Form. **FAILURE TO DO SO MAY SUBJECT BIDDER TO DISQUALIFICATION.**

CLARIFICATIONS

Line items 15, 17, and 32 of the Base Bid Form suggest the bus shelter structures will be fabricated and installed. As a clarification, the bus shelters have already been purchased by Island Metro and delivery has been made. Contractor will be responsible for assembling/erecting all proposed bus shelter structures and installing them in their respective locations. Refer to Attachment A for manufacturer's installation instructions.

REVISED BID PROPOSAL

A revised bid form is being provided to clarify this change on the unit line items 15, 17, and 32. A section for acknowledgement of Addendas was added to end of Bid Proposal form. See attachment B.

Acknowledge receipt of Addendum No. 1 by signing and returning this notice no later than Tuesday, September 13, 2022 at 5:00 P.M. via fax to (956.761.3888) or via email (NSoto@MySPI.org).

END OF ADDENDUM NO. 1

DATED: _____

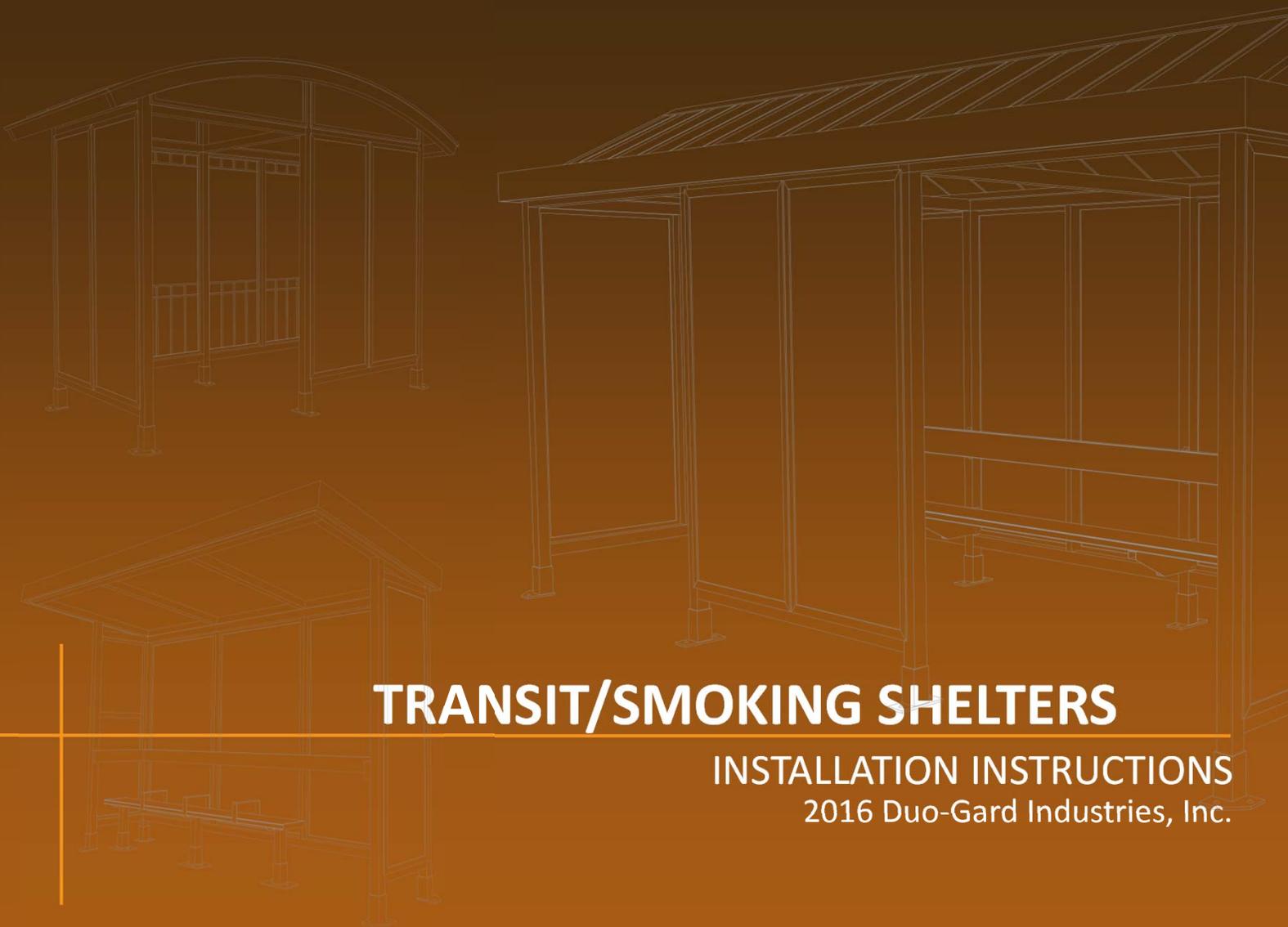
Name

ITB 2022-01TD

**ADDENDUM NO. 1
ATTACHMENT A**



DUO-GARD
FORGE AHEAD.™



TRANSIT/SMOKING SHELTERS

INSTALLATION INSTRUCTIONS
2016 Duo-Gard Industries, Inc.

TABLE OF CONTENTS |

SHELTER INSTALLATION

<i>BEFORE YOU BEGIN</i>	2
<i>NECESSARY TOOLS</i>	2
<i>ERECTING THE WALLS</i>	3
<i>ROOF INSTALLATION</i>	4-7
<i>ANCHORING</i>	8
<i>FINISHING TOUCHES</i>	9
<i>OPTIONS</i>	10-12

BENCH INSTALLATION

ALUMINUM BENCH

<i>BEFORE YOU BEGIN</i>	13
<i>NECESSARY TOOLS</i>	13
<i>INSTALLING THE BENCH</i>	14
<i>INSTALLING THE BACKREST</i>	15

WOOD/RECYCLED PLASTIC BENCH

<i>BEFORE YOU BEGIN</i>	16
<i>NECESSARY TOOLS</i>	16
<i>INSTALLING THE BENCH</i>	17
<i>INSTALLING THE BACKREST</i>	18

BEFORE YOU BEGIN:

Depending on the quantity of your order, your shelter(s) may have been packaged by wall type opposed to a single completed unit. To build one/each unit, select the parts on the Packing List according to the corresponding quantities listed in that column of the packing list.

It is important to read through all of these instructions and become familiar with the parts of your shelter before you begin installation.

If you have any questions before, during, or after your installation, please call **Duo-Gard at 734-207-9700**. Please reference the Job Number in the upper right corner of the packing list.

NOTE: If there are submittal drawings with the project, those drawings supersede these instructions. Please contact Duo-Gard immediately to note any discrepancy.

IMPORTANT: Polycarbonate and acrylic glazing, along with certain metal roof panels and trim; may come with a plastic film/liner for protection. DO NOT store these materials for an extended period of time in direct sunlight – it will permanently damage the material. Remove film prior to outdoor storage or store indoors.

NECESSARY TOOLS:

- Two 8' ladders
- Hammer Drill with masonry bit for anchor bolts. See the Packing List for anchor bolt size/type. Common drill bit diameters include: 3/8", 1/2" 9/16", 5/8", and 3/4".
- Drill Motor with #11 and 1/4" drill bits. Many installations will require other fractional bit sizes – See the Packing List for other diameter fasteners noted.
- Hex Sockets or Open End Wrenches for various diameter bolts. See the Packing List for notes. Common sizes include: 1/2", 9/16", 3/4", and 15/16".
- Heavy-duty Pop Rivet Tool for 3/16" Stainless Steel pop rivets. (3/16" aluminum pop rivets also)
- Hilti HIT Epoxy dispenser (see the Packing List for anchor bolt type/style)
- 10 oz. Caulk gun
- Rubber mallet / dead blow hammer
- Steel hammer
- 1/8" Allen wrench (alternate 6" fascia corner attachment – set screws)
- 5/16" hex socket (if #12 tek screws utilized – see Packing List)
- Tape measure
- 24" or 48" bubble level
- Air gun (for anchor bolt hole clean out)
- Touchup paint (available from factory or see Packing List)

ERECTING THE WALLS:

A WALL LAYOUT DIAGRAM IS PROVIDED TO YOU WITH THE PACKING LIST. WALLS ARE LABELED A, B, C, D, ETC. FOR EASY IDENTIFICATION AND PLACEMENT.

1. Determine the orientation of the anchor shoes prior to starting. The anchor shoes can be located such that the flanges and anchor bolts are orientated under the sill beams (out of the way of traffic), or the anchor shoes can be located such that the flanges and anchor bolts are outside/inside the shelter (easier to install the anchor bolts), whichever suits the needs of the particular location, shelter design, or customer preference.
2. Starting with the "A" and "B" wall sections. Insert the bottom of each post into an anchor shoe, stand the two wall panels up and attach by sliding the open tube end onto the clips of the corresponding wall. You may need to use a rubber mallet or a hammer and block of wood to fully engage tube(s) over the clip(s). Secure the connection(s) with 1/4" x 3/8" grip range dome head drive rivets as follows: two each on the top and bottom of the header tube, and two each on the top and bottom of the sill tube. Note: if the roof is a Flat Pan Roof style or other special conditions are contained in your specific shelter design, use 1/4" x 3/8" grip range flat head drive rivets in the factory countersunk holes.
3. Continue attaching the wall sections in this manner, adding the remaining wall sections according to the drawing provided. If there is a cross beam(s) contained in your specific shelter design, do not completely attach all the wall sections until you spread the wall sections and install the cross beam(s) as needed. The cross beam open tube end will fit over the structural clip(s) similar to wall clip description above. You may wish to wait to secure some of the drive rivets until the cross beam(s) are in place, secure the cross beam(s) with 1/4" x 3/8" grip range dome head drive rivets.
4. From the outside of the shelter, attach the free ends of the glazing sash of each wall section to the next wall section, using 3/16" dia. x 1/4" grip range aluminum pop rivets. Pre-drill holes using #11 drill bit into the small groove provided in the glazing sash. Be sure that the rivet locations line up with the ones already in place. Note: you may need to tap close some of the miter joints prior to riveting. If a mitered tip of the glazing sash does not sit flush with an adjoining frame member: tap down with a hammer and block of wood.
5. Square and plumb the shelter at this point in the approximate final location.

ROOF INSTALLATIONS:

FACTORY ASSEMBLED ROOF:

1. Lift the factory assembled roof onto the erected shelter walls. Depending on the roof fascia/gutter system utilized – the roof attachment (alignment) lip will align to the inside or outside of the completed shelter frame. Set the factory assembled roof on the shelter walls so the attachment lip slips down completely (inside or outside) the shelter walls. Orient the roof so that the drain holes (3/4" or 1" dia. holes at the corners) are at the rear of the shelter – or away from any door opening.
2. Secure the roof attachment lip to the shelter frame. Depending on the roof fascia/gutter system utilized (see your Packing List) use 1/4" dia. x 1/4" grip range or 1/4" dia. x 3/8" grip range dome head drive rivets, into the groove of the attachment lip on the fascia/gutter extrusion. Pre-drill holes using a 1/4" drill bit. Place them 3" from both ends, and then approximately 12"-18" o.c. between. If there is a significant tolerance between the attachment lip and the shelter frame, shim flange to prevent the corner miter joints from spreading.

FACTORY PROOF BUILT & KNOCKED DOWN ROOF:

See separate instruction sheet for installing these.

ROOF INSTALLATIONS:

BUBBLE DOME ROOFS WITH MULTIPLE SECTIONS:

1. With the shelter frame assembled, starting at the front of the shelter and continuing to the rear of the shelter – place a thick bead of caulk down the middle of each cross beam. With roof module drain holes located to the rear of the shelter - lift and lower one Bubble Dome Roof Module into place so that the attachment lip slips completely down on the inside the shelter walls/cross beams. With one roof module in place, add caulk if necessary under the edge of the Bubble Dome Roof Module to make sure there is caulk located from the front edge to the rear edge of the module. Continue this method for all Bubble Dome Roof Modules.
2. Contained in one of the open ends of roof/fascia - are (2) 2 1/4" x 6" x 1/8" splice plates. Slide them across the gap created by the adjoining Bubble Dome Roof Modules – adjust/align each roof module as needed.
3. Re-square the shelter, if necessary, to be sure the roof sections are aligned to each other and the roof attachment lip is completely down inside the shelter.
4. Secure the roof attachment lip to the shelter frame/cross beam(s). Use 1/4" dia. x 1/4" grip range dome head drive rivets into the groove of the attachment lip on the fascia/gutter extrusion. Pre-drill holes using a 1/4" drill bit. Place them 3" from both ends, and then approximately 12"18" o.c. between. If there is a significant tolerance between the internal flange and the shelter frame/cross beam(s), shim flange to prevent the corner miter joints from spreading.
5. From the top of the roof, lay a thick bead of caulk between the roof modules and tool down into joint. Continue bead thru gutter extrusion to seal gap between roof modules.

ROOF INSTALLATIONS:

ALUMINUM FLAT PAN ROOF (PRE-ASSEMBLED for SMALLER ROOFS):

1. Lay down a bead of clear caulk over the tops of the header beams.
2. Set the completed roof module onto the shelter walls and center. There should be a ½" space around the walls between the header beams and the inside edge of the gutter.
3. Using #10 x 5/8" tek screws with neoprene washers, screw through the aluminum flat pans into the header beams: 3 per pan across the pans, and 12" o.c. max. along the sides. Measure and mark the pans prior to screwing to make sure that you do not miss and screw into the interior of the shelter.

ROOF INSTALLATIONS:

ALUMINUM FLAT PAN ROOF (KNOCK DOWN for LARGER ROOFS):

1. Assemble the roof gutter – two long sections and one end. The long sections may be spliced. Use splice plates and corner keys in all joints, and attach with tek screws or pop rivets (there is no key slot on bottom exterior, but please put one there anyway). Seal generously the joints.
2. Slide the first roof pan halfway into one end of the gutter channel, with the larger hook side facing towards the far end of the gutter assembly. Take the next pan and hook it over the first, sliding it 12" into the gutter. Take the next pan and do the same, until you fill up the entire frame. You will need to tighten each connection up in an accordion fashion.
3. IMPORTANT: if the last pan is too long for you to install end gutter section tightly against long sections, trim down last pan to fit. Finish gutter assembly.
4. Screw down the pans to the gutter sections by using one tek screw (#10 x 1/2") into the top of the gutter flange into the top connection of two pans, plus 12" o.c. at the ends. Also, a minimum of two #10 x 5/8" teks through the bottom of the pans into the bottom gutter flange, (more can be added later if enough left over).
5. Generously caulk the tops of the header beams and crossbeams. Lift the roof assembly onto the top of the walls. Square up the roof over the shelter (outside of gutter should overhang wall 3" on rear and sides, possibly more in front), and attach to the shelter: Use #10 x 5/8" teks with neoprene washers attached in the following manner: Three in each pan bottom to each header at each end of the pans, and 12" o.c. along the sides. Also, place one or two screws with washers into the crossbeams (if any) through the bottom of each pan. Mark the locations of the crossbeams and be sure of it prior to inserting screws.
6. Drain holes may or may not be predrilled. If not, drill a series of 1" drain holes into the bottom of the gutters at the following locations, preferably towards the outside edge of the gutter: depending on the slopes of the shelter, at the corners at the low end of the slope, or away from traffic. Drill a pair at either side of the miter joints away from traffic.

ANCHORING THE SHELTER:

1. The typical shelter is designed to drain to the rear of the unit. If the concrete base pad/piers do not facilitate drainage to the rear, shims are provided to place inside the anchor shoe(s) under the post(s). In severe sloping conditions adjustments can be made by cutting the bottom of the posts as needed. The cutting of posts or the shimming of posts will affect your usage of the Windskirt option. It is recommended contacting the factory prior to cutting to discuss alternate possibilities.
2. With the shelter square and plumb – and in the exact final position, mark the concrete thru the anchor shoes for the anchor bolts locations.
3. Slide the shelter a few inches to the side and drill marked locations on the concrete using a hammer drill and masonry bit. (See the Packing List for anchor bolt type/size)
4. Slide the shelter back into place and install the anchor bolts. If your shelter has been furnished with Epoxy anchors – please refer to the Hilti web site (<https://www.us.hilti.com/anchor-systems/injectable-adhesive-anchors>) for the proper hole size / epoxy usage / and setting time. If your shelter has been furnished with Wedge Anchors – install as follows: put the flat washer, then lock washer, then nut onto the bolt. With the nut halfway off the bolt (to protect threads from hammer blows), hammer the wedge anchor completely into the concrete. Turn nut to tighten.
5. For tamper resistance of the bolts,peen the exposed threads with a hammer.
6. See the Packing List for the anchor shoe to shelter post connection type (Standard or Heavy Duty). For the “Standard” connection - Use a 1/4" drill bit and drill a total of four holes thru the side of the anchor shoe(s) into the shelter post(s) - one on each face, center of the post. Secure the anchor shoe to the shelter post with 1/4" dia. x 3/8" grip range dome head drive rivets. For “Heavy Duty” connections – 1/2" dia. thru bolts have been provided. To install thru bolts - chase thru the pre-drilled holes in the heavy duty anchor shoes into the shelter posts, and connect the anchor shoe to the shelter post with (2) 1/2" diameter thru bolts.

IMPORTANT FINISHING TOUCHES:

1. Double check that all fasteners are in place and secure. Sweep up any drill shavings created during installation and clear area of any shipping debris.
2. Generously caulk and tool the miter joints of the fascia/gutter using a matching color caulk. Confirm caulk is around all roof module seams if applicable. If multiple dome roof, confirm from the top of the roof, caulk is between the roof modules and fully tooled into joint.
3. If polycarbonate or acrylic windows, remove the plastic film from the windows and clean with soapy water and a soft cloth. Important Note: Do not store roof or wall panels in the sun with the protective plastic / paper film on. Remove film prior to storage, otherwise it will permanently adhere to panels and ruin sheet.
4. Using a solvent such as mineral spirits or toluene, clean all of the exposed aluminum parts. Be careful not to get any on the plastic wall glazing or the roof panels. You may wish to do this before any caulking, allowing it to dry completely before proceeding.
5. Touchup any mars, scratches, or fastener heads with matching paint provided. Also, site conditions, factory tolerances, and movement during shipping and installation may cause some slight separation of structural joints or miter joints. Use matching caulk to cover any of these joints as needed.

OPTIONS:

6" FASCIA ATTACHMENT:

1. The 6" Fascia option is typically attached to Factory Assembled Roofs, but may be sent loose on Bubble Dome Roofs in Multiple Sections, Larger field assembled roofs, or Fascia may be shipped loose to protect special finishes / crating considerations. The 6" Fascia may also be spliced (in sections) due to length considerations.
2. To install the 6" Fascia - set the pair of fascia sections without the factory installed 2" x 2" angle corner keys over the 2 ½" roof/gutter previously installed. (support in place, but do not attach fascia sections until they are all in place, squared, and adjusted)
3. Slide the 6" Fascia section with the 2" x 2" angle corner keys into the ends of the 6" Fascia section above. Tap the 6" Fascia corner miter joints tight and fasten the miter joint/corner keys with 3/16" x ¼" Stainless Steel Pop Rivets. (If set screws were provided in 2" x 2" angle corner keys – tighten to secure miter joint. Do not over tighten the set screws as the outside face of the fascia may dimple.) Repeat the same procedure to complete the assembly of the 6" Fascia sections.
4. Complete assembly by squaring up the fascia sections/miter joints and attaching to the existing (2 ½") roof fascia/gutter. Fasten the 6" fascia section rear flanges into the top and bottom of the existing 2 ½" fascia/gutter as follows: (Check Packing List for fastener type provided) 6" from each end and 12"-18" o.c. Use caulk and touch-up paint in the miter or splice joints as needed.
5. Remove any material from the installed 6" Fascia section rear attachment legs that is blocking or interfering with the factory drilled gutter drain holes. Add additional drain holes if needed.

OPTIONS:

GROUND WINDSKIRTS:

1. The ground windskirts are designed to be installed into the bottom airspace of the shelter, from the interior. The windskirts are made from 1" x 6 ½" angles, two per opening. The upper panel (angle) may be factory attached or may need to be attached in the field to the shelter sill beam(s). The lower panel (angle) will be installed to the inside the upper panel – and is designed to allow for up to 5" of adjustment for leveling of the shelter.
2. Attach the upper windskirt panel – if not factory attached (See Packing List for lengths/quantities) under the sill beam, with the 6 ½" leg facing down and the 1" leg under the sill beam. Attach with ¼"-20 x ½" S/S spanner security screws in the pre-drilled holes.
3. Attach the bottom windskirt panel (See Packing List for lengths/quantities) to the inside of the upper windskirt panel, with the 1" leg lying on the ground, under the sill beam. Attach the lower windskirt panel to upper windskirt panel with 3/16" x ¼" aluminum pop rivets, 6" from each end and 12"-16" o.c.
4. The windskirt panels should be rigid enough without anchoring to the ground. If desired, you can anchor the windskirts through the bottom leg of the panel (angle) with an appropriate fastener, by others. If desired you may also caulk under the windskirting, caulk by others, but the ground windskirts are not intended to be weathertight.

TRANSIT/SMOKING SHELTERS

SHELTER INSTALLATION INSTRUCTIONS

OPTIONAL STOREFRONT DOOR:

1. The shelter door opening is sized such that a Commercial Door and Frame will fit snugly inside it. Provided with the shelter are two Anchor Shoes that have been trimmed off on one side to maintain a clear shelter door opening for the Storefront Door Frame to fit into.
2. Install the Commercial Door and Frame into the opening, flush to the exterior of the shelter. Check door for plumb and swing.
3. Attach the door frame to the shelter thru the $\frac{1}{2}$ " access holes provided in the door frame. Install #12 x 1" tek screws through the access holes in the door frame and into the shelter posts/header beam. Plug the holes with $\frac{1}{2}$ " black nylon hole plugs provided.
4. Provided in the packing list is a $1 \frac{1}{4}$ " x $1 \frac{1}{4}$ " angle to trim off any gap at the top of the door frame. (to the shelter header beam) Attach the angle to shelter header beam, with #12 x 1" tek screws.

OPTIONAL MAP HOLDER/DISPLAY CASE:

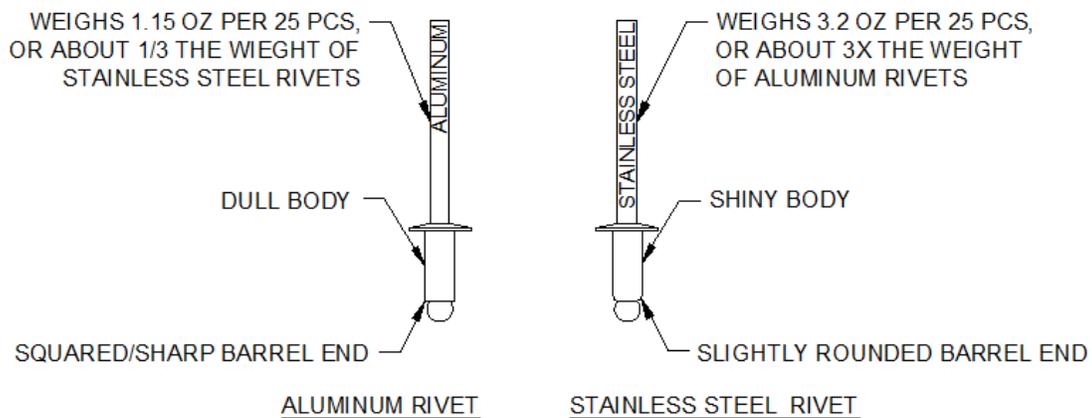
1. Apply foam tape provided around the rear perimeter of the Display Case. This foam tape will press against the shelter window and prevent dirt/debris along with unauthorized material from entering the display case.
2. From the inside of the shelter, locate the Display Case into the window opening desired, between two vertical mullions/columns. Please refer to submittal drawings for predetermined installation location – the typical location for a display case is on the side opposite oncoming traffic, and away from any installed benches. ADA guidelines require that the height be 60" from the floor to the centerline of signage, and that a person may approach to within 3" of the sign unhindered (see Dept. of Justice Publication 28 CFR Part 36, Chapter 1, Section 4.30.6).
3. Secure the Display Case/Map Holder to the shelter by inserting #12 x 1 $\frac{1}{2}$ " tek screws through the display case frame (display case door open) and into the shelter mullions/column. (install screws in header tube also if applicable) Install the tek screws 3" from each corner, and 8"-12" o.c.. It is best to predrill for this installation, as the tek screws have to go through both walls of the map holder frame, then into the shelter frame.
4. Affix map/media to the inside of the door or shelter window. A rigid "back board" can also be used within the Display Case, recessed area behind door.

ALUMINUM BENCH

BEFORE YOU BEGIN:

Please read through all of the instructions and become familiar with the parts before you begin installation. If you have any questions before, during, or after your installation, please call our **Installation Hot-Line at (734) 207-9700**.

EXTREMELY IMPORTANT: Bench and backrest attachments are made with ***STAINLESS STEEL POP RIVETS*** only. To distinguish between stainless and aluminum pop rivets, look for the slightly rounded barrel end on the stainless steel rivet, plus the weight of the stainless steel rivet is significantly more than aluminum (see below). The bag of stainless rivets is marked with a label. Attachments made **WITHOUT** the stainless steel rivets provided will fail, causing injury, and will void the warranty. If you are having trouble identifying the stainless rivets, please call Duo-Gard before proceeding.

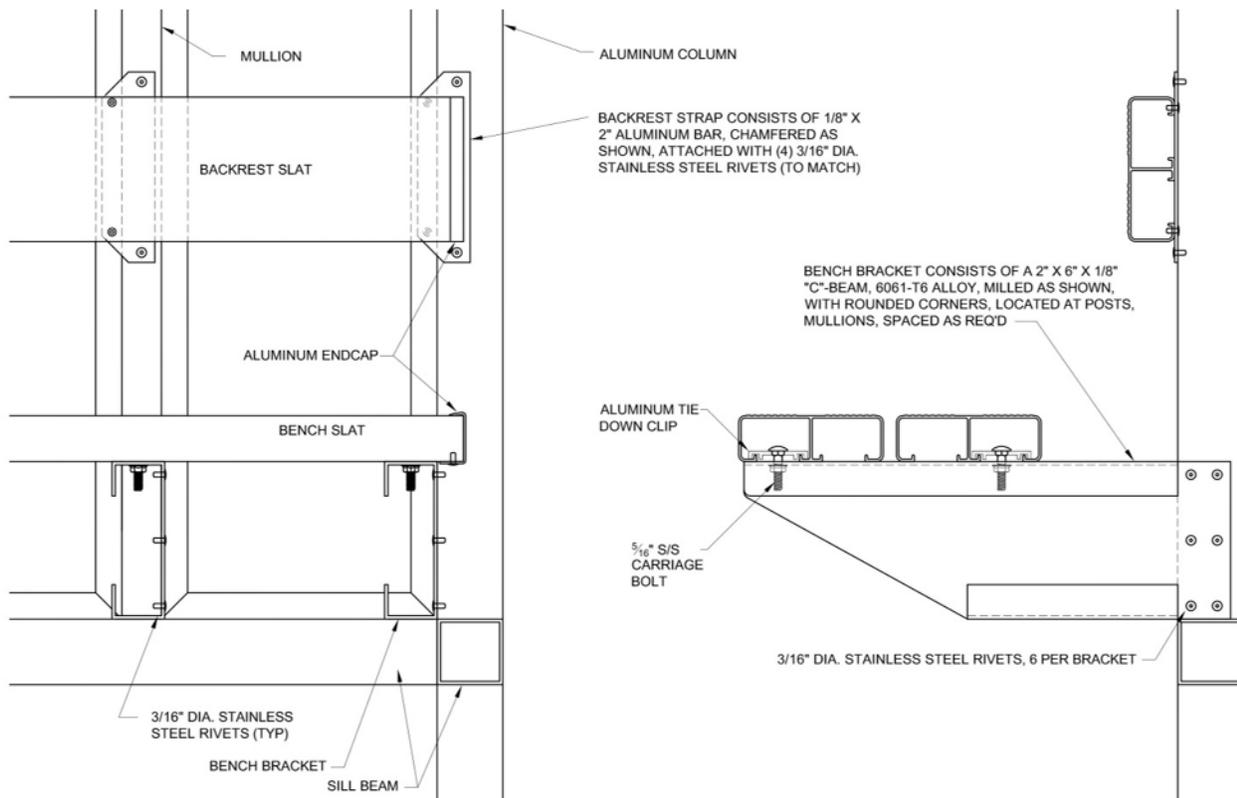


NECESSARY TOOLS :

- Drill motor with #11 drill bits
- tape measure
- bubble level
- ½" open end or socket wrench (for 5/16"-18 hex nut)
- "C"-clamps or vice-grip clamps, min. 2" clamping range
- Heavy duty Pop rivet tool (capable of 3/16" STAINLESS STEEL pop rivets)

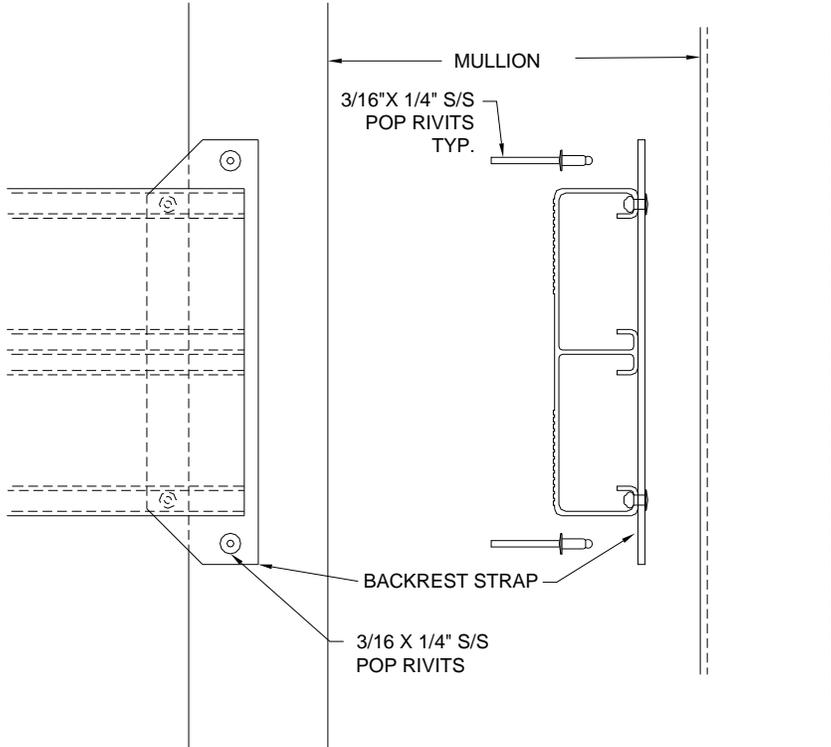
INSTALLING THE BENCH:

1. As noted on the Packing List – provided are Left Bench Brackets and Right Bench Brackets. Begin installation by laying out the brackets in front of their respective vertical mullions and/or posts. There will be one bench bracket per vertical mullion/post. Facing the wall in which the bench is to mount; the brackets are designed to attach to the side of a vertical mullion(s) and extend back over the front of the mullion. The Left Bench Bracket(s) will attach to the left of the vertical mullion/post, and the Right Bench Bracket(s) will attach to the right side of the vertical mullion/post. The exception to this layout is a Left Bench Bracket is used against the left side wall and a Right Bench Bracket is used against the right side wall. Position the bench bracket(s) to sit on top of the sill tube with the attachment flange against the vertical mullion/post and back against the vertical glazing sash.
2. Using a #11 drill bit, chase thru the pre-punched holes in the bench bracket flange into the vertical mullion/post. Secure each bracket to the vertical mullion/post with a minimum six (6) 3/16" x 1/4" Stainless Steel Pop Rivets
3. Set (2) two nom. 2x6 bench slat(s) on top of the brackets, with the front slat hanging 1/2" over the front edge of the brackets.
4. Attach the bench slat to the bench brackets from the underside of the bench bracket. Use (1) one 5/16" x 1" carriage bolt and tie down clip per slat per bracket. Slide the carriage bolt thru the center of the tie down clip and secure under the bench slat as shown below.



INSTALLING THE BACKREST:

1. Hold the nom. 2" x 6" backrest slat up to the shelter wall, parallel to the bench, with the bench and backrest slat ends in alignment. Mark with a pencil where the posts and mullions come up against the slat (see drawing).
2. Lay the slat down and line up each 1/8" x 2" x 7 1/2" backrest strap over each mullion/post location marked above. The squared end of the backrest strap goes over the mullion/post and the chamfered end of the backrest strap is offset from the mullion/post. Clamp the straps to the back of the slat and attach each with two (2) 3/16" x 1/4" stainless steel pop rivets (predrill with #11 drill bit), 1/2" in from the chamfered edge of the strap (see drawing).
3. Hold the backrest slat back up to the shelter wall, with the top of the slat is 6-10" above the top of the bench brackets. Attach the backrest bracket to the mullion/post with two (2) 3/16" x 1/4" stainless steel pop rivets through the pilot holes in the backrest strap, (predrill with #11 drill bit).

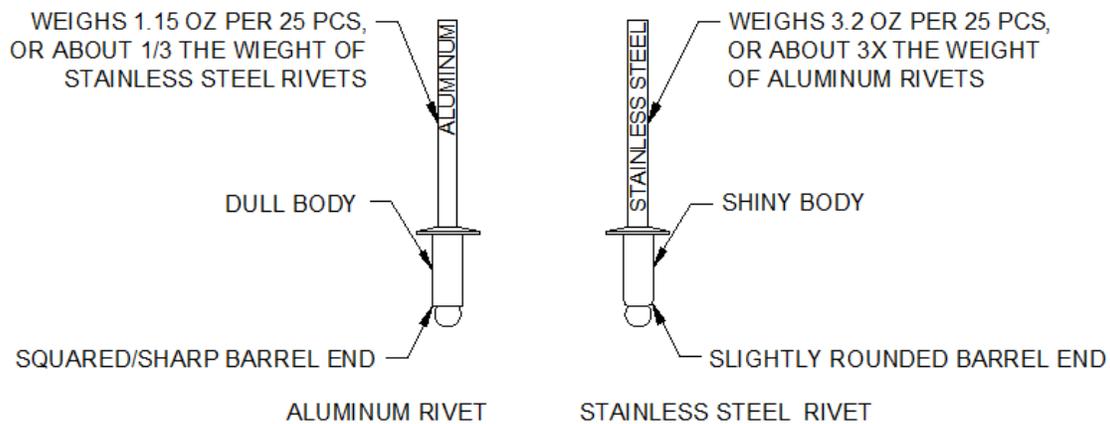


WOOD/RECYCLED PLASTIC BENCH

BEFORE YOU BEGIN:

Please read through all of the instructions and become familiar with the parts before you begin installation. If you have any questions before, during, or after your installation, please call our **Installation Hot-Line at (734) 207-9700**.

EXTREMELY IMPORTANT: Bench and backrest attachments are made with **STAINLESS STEEL POP RIVETS** only. To distinguish between stainless and aluminum pop rivets, look for the slightly rounded barrel end on the stainless steel rivet, plus the weight of the stainless steel rivet is significantly more than aluminum (see below). The bag of stainless rivets is marked with a label. Attachments made **WITHOUT** the stainless steel rivets provided will fail, causing injury, and will void the warranty. If you are having trouble identifying the stainless rivets, please call Duo-Gard before proceeding.

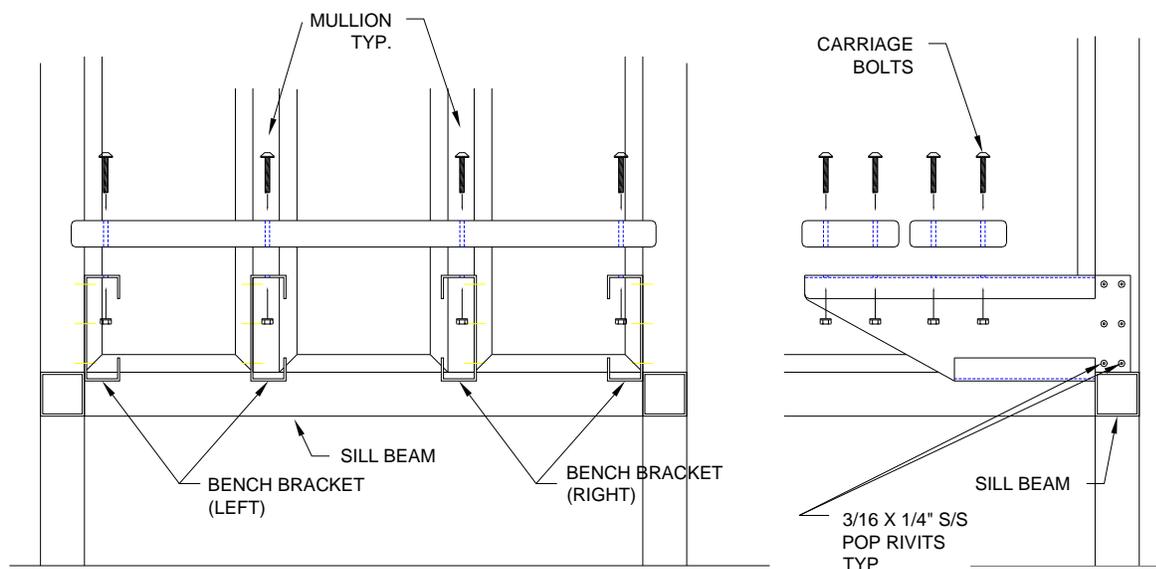


NECESSARY TOOLS :

- Drill motor with #11 & 5/16" drill bits
- tape measure
- bubble level
- ½" open end or socket wrench (for 5/16"-18 hex nut)
- "C"-clamps or vice-grip clamps, min. 2" clamping range
- Heavy duty Pop rivet tool (capable of 3/16" STAINLESS STEEL pop rivets)

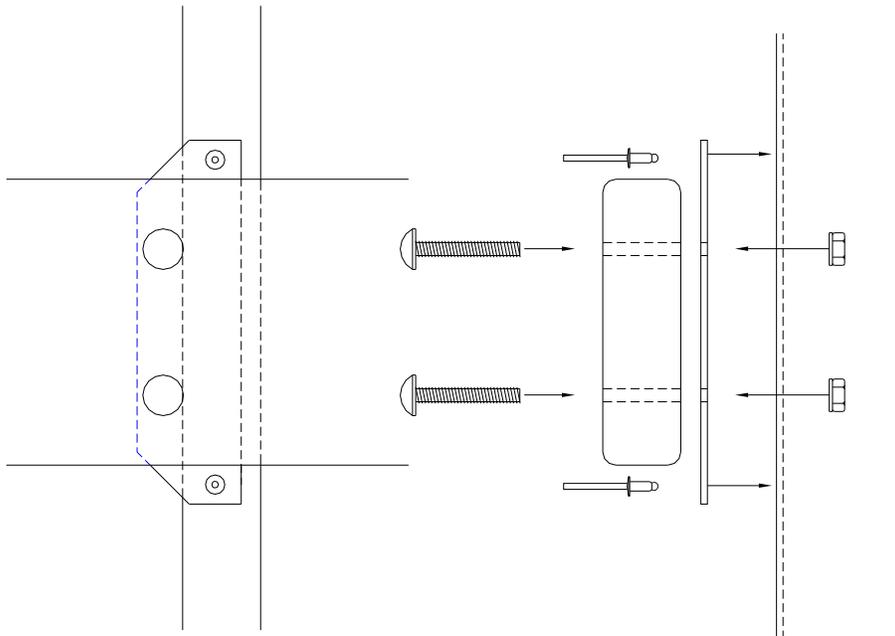
INSTALLING THE BENCH:

1. As noted on the Packing List – provided are Left Bench Brackets and Right Bench Brackets. Begin installation by laying out the brackets in front of their respective vertical mullions and/or posts. There will be one bench bracket per vertical mullion/post. Facing the wall in which the bench is to mount; the brackets are designed to attach to the side of a vertical mullion(s) and extend back over the front of the mullion. The Left Bench Bracket(s) will attach to the left of the vertical mullion/post, and the Right Bench Bracket(s) will attach to the right side of the vertical mullion/post. The exception to this layout is a Left Bench Bracket is used against the left side wall and a Right Bench Bracket is used against the right side wall. Position the bench bracket(s) to sit on top of the sill tube with the attachment flange against the vertical mullion/post and back against the vertical glazing sash.
2. Using a #11 drill bit, chase thru the pre-punched holes in the bench bracket flange into the vertical mullion/post. Secure each bracket to the vertical mullion/post with a minimum six (6) 3/16" x 1/4" Stainless Steel Pop Rivets.
3. Set (2) two nom. 2x6 wood bench slat(s) on top of the brackets, with the front slat hanging 1/2" over the front edge of the brackets. .
4. Mark the hole locations under the bench for the 5/16"-18 x 2 1/2" carriage bolts (2 per board - 4 per bracket). Remove clamps and drill through bench in marked locations with 5/16" drill bit.
5. Replace slats to top of brackets and attach with the 5/16"-18 x 2 1/2" carriage bolts.



INSTALLING THE BACKREST:

1. Hold the nom. 2" x 6" backrest slat up to the shelter wall, parallel to the bench, with the bench and backrest slat ends in alignment. Mark with a pencil where the posts and mullions come up against the slat (see drawing).
2. Lay the slat down and line up each 1/8" x 2" x 7 1/2" backrest strap over each mullion/post location marked above. The squared end of the backrest strap goes over the mullion/post and the chamfered end of the backrest strap is offset from the mullion/post. Clamp the straps to the back of the slat and attach each with two (2) 5/16" x 2 1/2" Carriage Bolts (pre-drill with 5/16" drill bit), see drawing.
3. Hold the backrest slat back up to the shelter wall, with the top of the slat is 6-10" above the top of the bench brackets. Attach the backrest bracket to the mullion/post with two (2) 3/16" x 1/4" stainless steel pop rivets through the pilot holes in the backrest strap, (pre-drill with #11 drill bit).



BASE BID FORM

Addendum No. 1
Attachement B

**Island Metro Bus Shelter Improvements
BASE BID**

Bid Item	Description	Units	Estimated Quantity	Unit Price in Figures	Unit Price in Words	Total Amount Bid
1	MOBILIZATION	LS	1	\$ _____	_____ dollars and _____ cents	\$ _____
2	INSURANCE AND BONDS	LS	1	\$ _____	_____ dollars and _____ cents	\$ _____
3	BARRICADES, SIGNS AND TRAFFIC HANDLING	LS	1	\$ _____	_____ dollars and _____ cents	\$ _____
<i>Port Isabel Shelters</i>						
4	DEMO EXIST CURB	LF	19	\$ _____	_____ dollars and _____ cents	\$ _____
5	DEMO EXIST SIDEWALK	SY	35	\$ _____	_____ dollars and _____ cents	\$ _____
6	DEMO EXIST SHELTER STRUCTURE	EA	7	\$ _____	_____ dollars and _____ cents	\$ _____
7	DEMO EXIST CONC SLAB	SY	85	\$ _____	_____ dollars and _____ cents	\$ _____
8	DEMO EXIST BENCH	EA	8	\$ _____	_____ dollars and _____ cents	\$ _____
9	EXCAVATION	CY	28	\$ _____	_____ dollars and _____ cents	\$ _____

BASE BID FORM

**Addendum No. 1
Attachement B**

10	EMBANKMENT/FILL	CY	25	\$ _____	_____	dollars	\$ _____
					and _____	cents	
11	RETAINING WALL STRUCTURE	CY	1	\$ _____	_____	dollars	\$ _____
					and _____	cents	
12	ACCESSIBLE RAMP	EA	2	\$ _____	_____	dollars	\$ _____
					and _____	cents	
13	4" CONC SIDEWALK	SY	127	\$ _____	_____	dollars	\$ _____
					and _____	cents	
14	4" CONC SLAB (FOR 6'X8' SHELTERS)	SY	51	\$ _____	_____	dollars	\$ _____
					and _____	cents	
15	ERECT & INSTALL 6'X8' TRANSIT SHELTER	EA	8	\$ _____	_____	dollars	\$ _____
					and _____	cents	
16	8" CONC SLAB (FOR 6'X12' SHELTER)	SY	10	\$ _____	_____	dollars	\$ _____
					and _____	cents	
17	ERECT & INSTALL 6'X12' TRANSIT SHELTER	EA	1	\$ _____	_____	dollars	\$ _____
					and _____	cents	
18	TRAFFIC	LS	1	\$ _____	_____	dollars	\$ _____
					and _____	cents	
19	SILT FENCE	LF	342	\$ _____	_____	dollars	\$ _____
					and _____	cents	
20	CURB INLET PROTECTION	LF	30	\$ _____	_____	dollars	\$ _____
					and _____	cents	

BASE BID FORM

**Addendum No. 1
Attachement B**

SOUTH PADRE ISLAND SHELTERS

21	DEMO EXIST CURB	LF	0	\$ _____	_____	dollars	\$ _____
					and	_____	_____
						cents	
22	DEMO EXSITING SIDEWALK	SY	56	\$ _____	_____	dollars	\$ _____
					and	_____	_____
						cents	
23	DEMO EXISTING SHELTER STRUCTURE	EA	2	\$ _____	_____	dollars	\$ _____
					and	_____	_____
						cents	
24	DEMO EXIST CONC SLAB (FOR STRUCTURE)	SY	19	\$ _____	_____	dollars	\$ _____
					and	_____	_____
						cents	
25	DEMO EXIST BENCHES	EA	2	\$ _____	_____	dollars	\$ _____
					and	_____	_____
						cents	
26	DEMO EXIST WASTE RECEPTACLE	EA	3	\$ _____	_____	dollars	\$ _____
					and	_____	_____
						cents	
27	DEMO EXIST ASPHALT	SY	10	\$ _____	_____	dollars	\$ _____
					and	_____	_____
						cents	
28	EXCAVATION	CY	30	\$ _____	_____	dollars	\$ _____
					and	_____	_____
						cents	
29	EMBANKMENT/FILL	CY	20	\$ _____	_____	dollars	\$ _____
					and	_____	_____
						cents	
30	4" CONC. SIDEWALK	SY	43	\$ _____	_____	dollars	\$ _____
					and	_____	_____
						cents	
31	4" CONC. SLAB (FOR 6'X8' SHELTER)	SY	51	\$ _____	_____	dollars	\$ _____
					and	_____	_____
						cents	

BASE BID FORM

**Addendum No. 1
Attachement B**

32	ERECT & INSTALL 6'X8' TRANSIT SHELTER	EA	8	\$ _____	_____	dollars	\$ _____
					and _____	cents	
33	TRAFFIC CONTROL DEVICES	LS	1	\$ _____	_____	dollars	\$ _____
					and _____	cents	
34	SILT FENCE	LF	295	\$ _____	_____	dollars	\$ _____
					and _____	cents	
35	CURB INLET PROTECTION	LF	25	\$ _____	_____	dollars	\$ _____
					and _____	cents	
36	4" STEEL BOLLARD (BOLTED)	EA	9	\$ _____	_____	dollars	\$ _____
					and _____	cents	
37	CONCRETE WASTE RECEPTACLE	EA	1	\$ _____	_____	dollars	\$ _____
					and _____	cents	
				BASE BID SUBTOTAL:	_____	dollars	\$ _____
					and _____	cents	

CONTRACTOR: _____

BID FORM

SIGNATURE: _____

BASE BID FORM

**Addendum No. 1
Attachement B**

ADDENDA

The following Addenda have been received. The modifications to the Bid Documents noted therein have been considered and all costs relating thereto are included in the Bid Price:

Addenda No, _____, dated _____, Signature: _____.

Addenda No, _____, dated _____, Signature: _____.

Addenda No, _____, dated _____, Signature: _____.

Addenda No, _____, dated _____, Signature: _____.