Corpus Christi Regional Transportation Authority

IFB No. 2021-FC-04
ADA Bus Stop Improvements Phase VII

ZONE 2
CONSTRUCTION DRAWINGS
EXHIBIT B-2

Prepared by
Zarinkelk Engineering Services, Inc.
LEGEND

- **EXISTING TREE**
- **EXISTING TRAFFIC CONTROLLER**
- **EXISTING X-WALK SIGNAL POLE**
- **EXISTING SIGN**
- **EXISTING STREET LIGHT POLE**
- **EXISTING POWER POLE**
- **EXISTING FIRE HYDRANT**
- **EXISTING TELEPHONE PEDESTAL**
- **EXISTING BUS STOP SIGN**
- **EXISTING TRASH CAN**
- **EXISTING RTA BENCH**
- **RIGHT OF WAY (R.O.W.)**
- **EXISTING FENCE LINE**
- **EXISTING GAS LINE**
- **EXISTING SANITARY SEWER LINE**
- **EXISTING STORM SEWER LINE**
- **EXISTING WATER LINE**

**EXISTING RTA BENCH**

**EXISTING FIRE HYDRANT**

**EXISTING STREET LIGHT POLE**

**EXISTING POWER POLE**

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**RIGHT OF WAY (R.O.W.)**

**EXISTING FENCE LINE**

**EXISTING GAS LINE**

**EXISTING SANITARY SEWER LINE**

**EXISTING STORM SEWER LINE**

**EXISTING WATER LINE**
1. COORDINATION
A. AGENCIES, DEPARTMENTS, AND FIRMS WHO MAY NEED TO BE CONTACTED THROUGHOUT THE DURATION OF THIS PROJECT:

1. REGIONAL TRANSPORTATION
   1. CITY OF CORPUS CHRISTI
   2. CITY OF CORPUS CHRISTI TRAFFIC ENGINEERING
   3. CITY OF CORPUS CHRISTI MUNICIPAL INFORMATION SYSTEMS
   4. TEXAS DEPARTMENT OF TRANSPORTATION
   5. ZARNELIK ENGINEERING SERVICES, INC.

2. EQUAL ELECTRICAL CTM
   1. TEXAS ELECTRICAL CTM
   2. ONE CALL

3. LOCATION AND ADJUSTMENT OF UTILITIES WILL BE COORDINATED WITH LOCAL UTILITY AGENCY.
   1. SOME UTILITY INFORMATION OBTAINED FROM SURVEY DATA WHICH IS INTENDED AS A GUIDE FOR THE CONTRACTOR TO DETERMINE ACCURATE LOCATION OF CERTAIN UTILITIES UNDERGROUND WILL NOT BE ON THE PLANS BUT MAY BE IN THE AREA OF PROPOSED IMPROVEMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE LOCATION OF ALL UTILITIES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF THE LOCATION OF ANY UTILITY WHICH IS FOUND TO BE IN THE RIGHT-OF-WAY.

B. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND UTILITY COMPANY IF THERE ARE ANY CONFLICTS OR POSSIBLE PROBLEMS WHICH MIGHT OCCUR.

C. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL APPROPRIATE CONSTRUCTION PERMITS AND FOR PAYING ANY ASSOCIATED FEES.

D. ALL WORK IS TO BE COMPLETED BY THE CONTRACTOR DURING DAYLIGHT HOURS. THE CONTRACTOR IS TO

2. TRAFFIC CONTROL

A. THE CONTRACTOR IS RESPONSIBLE FOR UTILIZING A TRAFFIC CONTROL PLAN THAT HAS BEEN APPROVED BY THE CITY OF CORPUS CHRISTI AND IS TO COMMENCE ANY CONSTRUCTION ACTIVITIES. ALL WORKMEN AND EQUIPMENT ARE TO BE KEPT TO THE RIGHT OF THE TRAFFIC CONTROL ROW. THE CONTRACTOR IS RESPONSIBLE FOR NOT BLOCKING OR IMPEDING THE FLOW OF TRAFFIC. THE CONTRACTOR MAY BE REQUIRED TO FURNISH ADDITIONAL BARRICADES AND SIGN TO

B. CONTRACTOR IS RESPONSIBLE TO OBTAINING ALL APPLICABLE CONSTRUCTION PERMITS AND FOR PAYING ANY ASSOCIATED FEES.

C. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND UTILITY COMPANY IF THERE ARE ANY CONFLICTS OR POSSIBLE PROBLEMS WHICH MIGHT OCCUR.

D. THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTING THE IMPROVEMENTS IN ACCORDANCE WITH THE STANDARDS INFORMED IN THESE DOCUMENTS. CONSULT WITH THE PLANS AND SPECIFICATIONS FOUND ON THE CONTRACTOR WILL BE IMMEDIATELY NOTIFIED TO THE ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION.

3. DEMOLITION

A. ALL CONCRETE AND ASPHALT SHALL BE SAW-CUT TO FULL DEPTH.

B. PAVEMENT REPAIR SHALL BE A MAXIMUM OF 2" WIDE THE PAVEMENT SHALL BE SAW-CUT. THE CONTRACTOR IS TO PERFORM THE SAW-CUT METHODS TO PROTECT THE EDGES OF THE WORK AND DAMAGED EDGES. WORK IS TO BE DONE DURING DAYLIGHT HOURS. THE CONTRACTOR IS RESPONSIBLE FOR ALL SAFETY MEASURES TO PROTECT THE WORKER AND TRAFFIC. THE CONTRACTOR IS RESPONSIBLE FOR NOT BLOCKING OR IMPEDING THE FLOW OF TRAFFIC.

C. EXISTING UTILITIES SHOWN ON THE PLANS ARE FOR REFERENCE ONLY AND DO NOT NECESSARILY PRESENT THE ACCURATE LOCATION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF ANY EXISTING UTILITIES ARE SHOWN ON THE PLANS. ENGINEERING INSPECTOR, ENGINEER IS RESPONSIBLE FOR THE EXISTENCE OR LOCATION OF ANY EXISTING UTILITY AND NOT THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING ANY UTILITY LOCATION AND ALL EXISTING UNDERGROUND UTILITIES ARE THE RESPONSIBILITY OF THE CONTRACTOR AND ANY COST INCURRED WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL REPLACE DISTURBED SOD WITH SAME SPECIES. SITE SHALL BE COMPLETED WITH SURFACE GRADE AND SHALL MATCH EXIST NATURAL GROUND ELEVATION. NATURAL GROUND ADJACENT TO PROJECT COMPONENTS OF THE ACCESSIBLE ROUTE.

D. CONTRACTOR SHALL REPLACE ALL EXISTING UTILITIES THAT ARE DAMAGED OR DISTURBED. CONTRACTOR SHALL NOT DISTURB ANY EXISTING UTILITIES DURING CONSTRUCTION.

4. CONSTRUCTION

A. THE CONTRACTOR SHALL VISIT THE PROJECT SITES TO EXAMINE LOCAL CONDITIONS AND PERFORM ACTIONS NECESSARY TO ASSURE THAT THEY UNDERSTAND THE PROJECT REQUIREMENTS.

B. CONTRACTOR IS RESPONSIBLE FOR PERFORMING ANY UTILITY LOCATION AND ALL EXISTING UNDERGROUND UTILITIES ARE THE RESPONSIBILITY OF THE CONTRACTOR.

C. CONTRACTOR SHALL NOT DISTURB ANY EXISTING UTILITIES DURING CONSTRUCTION.

D. CONTRACTOR SHALL REPLACE ALL EXISTING UTILITIES THAT ARE DAMAGED OR DISTURBED. CONTRACTOR SHALL NOT DISTURB ANY EXISTING UTILITIES DURING CONSTRUCTION.

5. COMPLIANCE WITH ADA AND TAMS FOR ACCESSIBLE ROUTES

A. EVERY EFFORT HAS BEEN MADE BY THE ENGINEER TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT AND TEXAS ACCESSIBILITY STANDARDS. DURING CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING ANY UTILITY LOCATION AND ALL EXISTING UNDERGROUND UTILITIES ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF ANY EXISTING UTILITIES ARE SHOWN ON THE PLANS. ENGINEERING INSPECTOR, ENGINEER IS RESPONSIBLE FOR THE EXISTENCE OR LOCATION OF ANY EXISTING UTILITY AND NOT THE CONTRACTOR. THE CONTRACTOR SHALL REPLACE DISTURBED SOD WITH SAME SPECIES. SITE SHALL BE COMPLETED WITH SURFACE GRADE AND SHALL MATCH EXIST NATURAL GROUND ELEVATION. NATURAL GROUND ADJACENT TO PROJECT COMPONENTS OF THE ACCESSIBLE ROUTE.

B. THE CONTRACTOR SHALL COMPARE THE PLANS AND SPECIFICATIONS WITH THE ACTUAL CONDITIONS ON-THE-GROUND AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.

C. THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTING THE IMPROVEMENTS IN ACCORDANCE WITH THE STANDARDS INFORMED IN THESE DOCUMENTS. CONSULT WITH THE PLANS AND SPECIFICATIONS FOUND ON THE CONTRACTOR SHALL BE IMMEDIATELY NOTIFIED TO THE ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION.

D. THE DURATION OF THIS PROJECT WILL BE DETERMINED BY THE ENGINEER AND CONTRACTOR.

E. IN ORDER TO PROVIDE ACCESSIBLE ROUTES, ADJACENT UTILITIES MAY HAVE TO BE MODIFIED OR REMOVED TO PROVIDE ACCESSIBLE ROUTES. CONTRACTOR MUST NOTIFY THE ENGINEER IMMEDIATELY IF ANY DISCREPANCIES ARE ENCOUNTERED OR ANTICIPATED.

F. CONTRACTOR SHALL PLACE CLASS V FIBERGLASS CONCRETE CURB AND GUTTER ALONG ADJUSTED RAMP SLOPES WITH AN 8% MINIMUM RAMP SLOPE AND A MINIMUM 48" WIDTH RAMP. ALL RAMP WORK WILL BE REPLACED AS QUICKLY AS POSSIBLE AND AS DIRECTED BY THE ENGINEER.

G. THE CONTRACTOR SHALL PROVIDE PEDESTRIAN TRAFFIC CONTROL FOR CLOSED SIDEWALKS.

H. THE CONTRACTOR SHALL PROVIDE PEDESTRIAN TRAFFIC CONTROL FOR CLOSED SIDEWALKS.

I. THE CONTRACTOR SHALL PROVIDE PEDESTRIAN TRAFFIC CONTROL FOR CLOSED SIDEWALKS.

J. THE CONTRACTOR SHALL PROVIDE PEDESTRIAN TRAFFIC CONTROL FOR CLOSED SIDEWALKS.

K. THE CONTRACTOR SHALL PROVIDE PEDESTRIAN TRAFFIC CONTROL FOR CLOSED SIDEWALKS.

L. THE CONTRACTOR SHALL PROVIDE PEDESTRIAN TRAFFIC CONTROL FOR CLOSED SIDEWALKS.

M. THE CONTRACTOR SHALL PROVIDE PEDESTRIAN TRAFFIC CONTROL FOR CLOSED SIDEWALKS.

N. THE CONTRACTOR SHALL PROVIDE PEDESTRIAN TRAFFIC CONTROL FOR CLOSED SIDEWALKS.

O. THE CONTRACTOR SHALL PROVIDE PEDESTRIAN TRAFFIC CONTROL FOR CLOSED SIDEWALKS.
**Connection Detail Plan View**

- **Type:** All connection to existing concrete.
- **Scale:** 1/50.

**Existing Details:**
- **Concrete Curb and Gutter:**
- **Curb Inlet of Concrete Structure:**

**Proposed Sidewalk Section:**
- **Curb:**
- **Concrete Sidewalk:**

**Pavement Repair Detail:**
- **Cut:**
- **Asphalt Surface:**
- **Prime Coat:**
- **Existing Subgrade:**

**Typical Sign Reinstallation:**
- **Dimension:** 10' - 20' (Varies)
- **Sign:**

**Shelter Pad Stripping Detail:**
- **Tool 3" Radius:**
- **Reinforcing Steel:**
- **Asphalt:**

**Header Curb Detail:**
- **Compacted Fill:**
- **Existing Curb and Gutter:**

**Certification:**
- **OFFICE LOCATION:**
- **CORPORUS CHRISTI REGIONAL TRANSPORTATION AUTHORITY**

**ADA Bus Stop Improvements Phase VII Zone 2 - June 2019**

**Miscellaneous Details - 2**

**RFQ No.: 2019-5-04**
TRIANGULAR SLIPBASE INSTALLATION GENERAL REQUIREMENTS

NOTE

There are various devices approved for the Triangular Slipbase System. Please refer to the Material Producer List for approved slipbase systems. http://www.txdot.gov/business/producerlist.htm

The devices shall be installed per manufacturers' recommendations. Installation procedures shall be provided to the Engineer by Contractor.

CONCRETE ANCHOR

Concrete anchor consists of 5/8" diameter steel bolt with UNC series bolt threads on the upper end. Nuts are not per ASTM A325, and hardener washer per ASTM F1664 on 5/8" diameter stud bolts with UNC series bolt threads. Nuts, bolts, and washers shall be galvanized per ASTM A450. "Subtraction." Adhesive type anchors shall have nuts installed with Type III epoxy per 10 ft. 13 blade" blade wrench. Adhesive anchors may be used when adequate snap tires car capacity for the manufacturer’s recommendations. A minimum 2" of concrete shall be extended at least 1" deep into the ground. Placing the slab back and forth while pushing it down into the concrete to ensure good contact between the concrete and slab. Continue to push the slab into the concrete until it is level with the ground. Placing the slab 1" above the edge of the slab. The slab is then driven into the ground the slab is driven into the ground and the edges of the slab are trimmed to fit. Pouring the concrete with 5/8" of concrete over the slab. The concrete is then trimmed to fit. Pouring the concrete with 5/8" of concrete over the slab. The concrete is then trimmed to fit.
EVERHART RD.

ADA BUS STOP IMPROVEMENTS
PHASE VII ZONE 2 - JUNE 2019
STOP 10 (1007)
EVERHART RD @ WOOLDRIDGE RD

CORPUS CHRISTI REGIONAL TRANSPORTATION AUTHORITY
CORPUS CHRISTI, TEXAS
RFQ NO.: 2019-5-04
ADA BUS STOP IMPROVEMENTS
PHASE VII ZONE 2 - JUNE 2019
STOP 10 (1008)
EVERHART RD @ DONEGAL RD
CORPUS CHRISTI, TEXAS
RFQ NO.: 2019-S-04
### SUN VALLEY DR.

#### ADA BUS STOP IMPROVEMENTS

**Phase VII Zone 2 - June 2019**

**Stop ID:**

- **Ada Bus Stop:** SUN VALLEY DR @ SNOWBIRD DR

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<tr>
<td>Prop Bus Stop Sign</td>
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<tr>
<td>Existing Curb</td>
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**Project Information:**

- **Project No.:** [Undetermined]
- **Scale:** [Undetermined]
- **Date:** [Undetermined]
- **Revision:** [Undetermined]
- **Checked By:** [Undetermined]
- **Approved By:** [Undetermined]
- **Drawn By:** [Undetermined]

**Office Location:**

- **Dwg. No.:** Zarinkelk

**Location:**

- **CORPUS CHRISTI REGIONAL TRANSPORTATION AUTHORITY**
- **CORPUS CHRISTI, TEXAS**
- **RFQ No.:** 2019-0504

**Scale:**

- **1000-2000 Angles**
- **1000-2000**

**Notes:**

- **Existing Curb:**
- **Existing Stopped Sign:**
- **Proposed Bus Stop Sign:**

**Diagram:**

- **Plan View:**
- **Existing Conditions:**
- **Proposed Improvements:**

**Design:**

- **Existing Conditions:**
- **Proposed Improvements:**

**Drawings:**

- **SUN VALLEY DR.**

**Dimensions:**

- **3'**
- **30'**
- **3'**
ADA BUS STOP IMPROVEMENTS
PHASE VII
ZONE 2 - JUNE 2019

WEBER RD @ ACUSHNET DR

ZARINKELK

WEBER RD

APPROX. 5'

30'

3'

ACUSHNET DR

WEBER RD.
S STAPLES ST.

- Add bench (by RPA)
- Remove trash can (by RPA)
- Replace shelter pad
- Remove existing pad
- Remove bench (by RPA)

APPROX. 44' 3' 30' 3'

S STAPLES ST.
ADA BUS STOP IMPROVEMENTS
PHASE VII ZONE 2 - JUNE 2019

STOP ID
CORPUS CHRISTI, TEXAS

REV. DATE APPR.

Project No.: Scale:
Date: Revision:
Checked By: Approved By:
Drawn By:

OFFICE LOCATION:

Dwg. Sheet Of
Zarinkelk (2552) 33 33

APPROX. 41'

2%
MAX

CIMARRON BLVD.

EXISTING CURB
EXISTING WATER

EXISTING BUS STOP SIGN

KLEBERG BLVD.

CIMARRON BLVD.

EXISTING BUS STOP SIGN

LOCATIONS

177 CHENEY ST
HOMETOWN, TX 77865
KLEBERG BLVD
58 956-6407

CORPUS CHRISTI REGIONAL TRANSPORTATION AUTHORITY

CORPUS CHRISTI, TEXAS
RFQ NO.: 2019-S-04