

**INVITATION FOR BID (IFB) #19-4998
BRIDGE REMOVAL AND REPLACEMENT
OLD SEGUIN-LULING ROAD AT MILL CREEK
GUADALUPE COUNTY
APRIL 16, 2019**

BIDS DUE: WEDNESDAY, MAY 15, 2019 at 2:00PM CST.

Guadalupe County (herein after referred to as "County" or "Guadalupe County") seeks Competitive Sealed Bids in response to this Invitation for Bid (IFB) for Bridge Removal and Replacement.

Competitive Sealed Bids must be submitted with **one (1) original, one (1) copy, and one electronic copy of the entire Bid on a flash drive.**

IMPORTANT DATES:

BID DUE DATE and TIME: Bids are due by 2:00 p.m. on Wednesday, May 15, 2019.

Bids must be delivered by mail, express mail, or in person to:

Mailing Address:

Purchasing Agent - Guadalupe County
212 West Nolte Street
Seguin, Texas 78155

All Bids must be in a sealed envelope clearly marked with Bid name, Bid number, and opening date in the lower left-hand corner of the envelope.

All questions and correspondence must be directed to the Purchasing Agent – Guadalupe County and submitted in writing via email to purchasing@co.guadalupe.tx.us.

Respondents shall restrict all contact with the County and direct all questions, in writing, via email, regarding this IFB, to the County's Purchasing Agent. Do not contact members of the Commissioners' Court, Elected Officials, Department Heads, or other employees of Guadalupe County regarding this IFB. Contact with any county employees regarding this IFB, after issuance of the IFB and before selection is made, will result in disqualification.

Enclosed for your consideration is the IFB with all attachments. To be considered for this purchase, your firm must meet the qualifications and satisfy the requirements set forth in the IFB.

Bidder shall sign and date the Bid as requested on each page. Bids, which are not signed and dated in this manner, may be rejected.

Please note that all Bids must **be received at the designated location by the deadline shown**. Bids received after the deadline **will not be considered** for the award of the contract and shall be considered void and “Non-Responsive” in accordance with state law.

Guadalupe County is very conscious and extremely appreciative of the time and effort you have expended to submit a Bid. If your response to this IFB is a “No Bid” response, submit a “Statement of No Bid” stating your reason and any requirement of this IFB which may have influenced your decision.

Any interpretation of the IFB will be made only by IFB Amendment and or Addendum duly issued by the Purchasing Office. Guadalupe County reserves the right to accept or reject any or all Bids/ as it deems in its best interest and to waive any formalities.

It is the Bidders responsibility to verify the issuance of Addenda in regard to this Bid. All Addenda shall be made available to all known Bidders/ and shall be posted on the Guadalupe County Purchasing Website at:

<http://www.co.guadalupe.tx.us/purchasing/bids.php>.

Guadalupe County shall not be responsible for failed internet connections or power interruptions.

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INTRODUCTION

1. General Information

1.1.1 Guadalupe County is a political subdivision of the State of Texas. The governing body of the County is the elected five-member Commissioners Court in accordance with the Texas Constitution, Article 5, §18(b). The Commissioners Court consists of, the County Judge, who is elected at large to a four-year term, and four County Commissioners, each elected to represent a precinct within the County for a four-year term. In all Texas counties, the County Judge presides over Commissioners Court meetings.

1.1.2 Guadalupe County, which serves an area of 715 square miles, is located approximately one hundred miles inland from the Gulf of Mexico in south central Texas and is bounded by Comal, Hays, Caldwell, Gonzales, Wilson, and Bexar Counties. The population of the County has steadily grown from 64,873 in 1990 to 131,533 in 2010, with the U.S. Census Bureau estimating the County's current population at 155,265.

1.1.3 Inquiries/Questions concerning this Invitation for Bid (IFB) must be submitted in writing via email no later than **Wednesday, May 1, 2019 at 2:00 p.m. (Central Standard Time)**. All inquiries must be directed to the Purchasing Agent at:

Purchasing Agent - Guadalupe County
212 West Nolte Street
Seguin, Texas 78155
purchasing@co.guadalupe.tx.us

Note: It is the responsibility of the person submitting the inquiry to verify that the Purchasing Department has received inquiry.

1.1.4 Deadline for submitting Bids is Wednesday, May 15, 2019, 2:00 p.m. (Central Standard Time). NOTE: The Time-Date Stamp Clock located in the Guadalupe County Purchasing Office, will serve as the **OFFICIAL CLOCK** for the purpose of verifying the date and time of receipt of Bids. Hours of delivery/service shall be between 8:00 a.m. and 4:00 p.m., Monday through Friday, unless otherwise stipulated.

1.1.5 Submittals - One original (1), one (1) copy and one (1) electronic copy of the entire BID on a flash drive must be submitted in a sealed envelope clearly labeled with the Bid name, Bid number, and opening date in the lower left-hand corner of the envelope.

1.1.6 Acceptance - All Bids must include a statement that they are valid for a minimum period of sixty (60) days subsequent to the IFB closing date.

1.1.7 Security Deposit- Include with the Bid, a Bid Bond in the amount of not less than five(5%) percent in the form of a Bid Bond obtained from Surety or Insurance Companies that are duly licensed and or authorized in the jurisdiction in which the project is located.

1.1.8 Liquidated Damages: Bidder accepts the provisions of the Agreement as to liquidated damages of **Two Hundred and fifty dollars (\$250.00)** per day in the event of its failure to complete Work in accordance with the schedule set forth in the Agreement.

1.1.9 Bonds: Awarded Contractor shall furnish performance and payment bonds, each in an amount at least equal to the Contract Price as security for the faithful performance and payment of all of Contractor's obligations under the Contract Documents. These bonds shall remain in effect until one year after the date when final payment becomes due or until

completion of the correction period, whichever is later, except as provided otherwise by Laws or Regulations or by the Contract Documents. Contractor shall also furnish such other bonds as are required by the Contract Documents.

1.1.10 Late Bids - will not be considered. Each Bidder shall be solely responsible for ensuring that the County receives the Bid within the time limit indicated.

1.1.11 Non-appropriation - The County may cancel the contract should the present or any future County Commissioners Courts not appropriate funds in any fiscal year for the payment of this agreement. No penalty shall attach in the event of any such non-appropriation. In the event of non-appropriation, the County shall give the successful Bidder written notice of cancellation and the County shall not be obligated to make any payments beyond the end of the fiscal year for which funds were appropriated (related to a subsequent fiscal year).

1.1.12 Costs – Costs related to preparation of a response shall be the responsibility of the Bidder. There is no expressed or implied obligation for Guadalupe County to reimburse Bidders for any expense incurred in preparing a Bid in response to this IFB and Guadalupe County will not reimburse Bidders for these expenses.

1.1.13 Ownership of Bid – Each Bid shall become the property of Guadalupe County upon submittal and will not be returned to Bidders.

1.1.14 Right of Rejection - Guadalupe County reserves the right to reject any or all Bids submitted and to waive any informality in Bids received.

1.1.15 Clarification or Additional Information Requested - During the evaluation process, Guadalupe County reserves the right, where it may serve Guadalupe County's best interest, to request additional information or clarifications from Bidders, or to allow corrections of errors or omissions. At the discretion of Guadalupe County, firms submitting Bids may be requested to make oral presentations as part of the evaluation process.

1.1.16 Right of Retention - Guadalupe County reserves the right to retain all Bids submitted and to use any ideas in a Bid regardless of whether that Bid is selected, provided that the information was not marked as "Proprietary and or (Confidential)". Submission of a Bid indicates acceptance by the firm of the conditions contained in this IFB, unless clearly and specifically noted in the Bid submitted and confirmed in the contract between Guadalupe County and the firm selected.

1.1.17 Award - it is anticipated that Guadalupe County Commissioners Court will award the contract for the Removal and Installation of the Bridge on or before May 28, 2019, or as soon thereafter as possible.

1.2 General Contract Terms and Conditions

The parties, Guadalupe County, Texas, a political subdivision of the State of Texas, (hereinafter referred to as "County") and _____ (hereinafter referred to as "Vendor,"

"Bidder",), hereby agree upon the following terms and conditions.

1.2.1 Contract - This Bid, submitted documents and any negotiations, when properly accepted by Guadalupe County, shall constitute a contract equally binding between the successful Bidder and Guadalupe County. No different or additional terms will become a part of this contract with the exception of a Change Order.

1.2.2 Conflict of Interest - No public official shall have any interest in this contract, except as permitted by and subject to the disclosure requirements of Vernon's Texas Codes Annotated, Local Government Code, Title 5, Subtitled C, Chapter 171.

1.2.3 Complete the Conflict of Interest Questionnaire (Texas Ethics Commission Form CIQ) - Complete this form and note if you have a conflict of interest with any County Official, Employee, or Department. The questionnaire should reflect the name of the individual with whom the conflict of interest occurs. If you have any questions regarding compliance with Chapter 176 of the Texas Local Government Code, please consult your legal representative. Compliance is the responsibility of each individual, business, agent or representative who is subject to the law's filing requirements.

1.2.4 Equal Opportunity – Neither party shall discriminate against any employee or applicant for employment because of race, color, religion, sex or national origin.

1.2.5 Confidentiality - All information disclosed by Guadalupe County to the successful Bidder for the purpose of the work to be performed or information that comes to the attention of the successful Bidder during the course of performing such work is to be kept strictly confidential.

1.2.6 Proprietary Information and Texas Public Information Act – All material submitted to the County as part of the IFB shall become public property and subject to the Texas Public Information Act upon receipt. If a Bidder does not desire proprietary information in the Bid to be disclosed, each page must be clearly identified and marked proprietary at time of submittal or, more preferably, all proprietary information may be placed in a folder or appendix and be clearly identified and marked as being proprietary.

Note: Items marked "proprietary information" must meet the Texas Public Information Act requirements. Marking the entire submission, or large portions of the Bid, "proprietary" will not meet the spirit, or the letter of the law, and will not be treated as proprietary information.

1.2.7 Addenda - Any interpretations, corrections or changes to this IFB will be made by addenda. Addenda will be emailed to all who are known to have received a copy of this Invitation for Bid, Bidder shall acknowledge receipt of all addenda with Bid submission.

1.2.8 Change Orders - No oral statement of any person shall modify or otherwise change, or affect the terms, conditions or specifications stated in the resulting contract. All change orders to the contract will be made in writing and approved by the Commissioners Court.

1.2.9 Incorporation of Exhibits, Appendices and Attachments – All of the exhibits, appendices and attachments referred to herein are incorporated by reference as if set forth verbatim herein.

1.2.10 Assignment - The successful Bidder shall not sell, assign, transfer or convey any contract resulting from this IFB, in whole or in part, without the prior written consent of Guadalupe County Commissioners.

1.2.11 Venue - **This agreement will be governed and construed according to the laws of State of Texas. This agreement is performable in Guadalupe County, Texas.**

1.2.12 Compliance with Laws – Guadalupe County and successful Bidder shall comply with all federal, state, and local laws, statutes, ordinances, rules and regulations, and the orders and decrees of any courts or administrative bodies or tribunals in any matter affecting the performance of the Contract and any ensuing Agreement, including, without limitation, Workers’ Compensation laws, salary and wage statutes and regulations, licensing laws and regulations. When required, the successful Bidder shall furnish the County with certification of compliance with said laws, statutes, ordinances, rules, regulations, orders, and decrees above as specified.

1.2.13 IRS Form W-9 Request for Tax Payer Identification Number and Certification:

The IRS W-9 Form must be completed, signed and returned with the Bid response. More information on this form can be found at the Internal Revenue Service (IRS) website at <https://www.irs.gov/forms-pubs/about-form-w9>.

The County is exempt from federal excise and state sales tax; therefore, tax must not be included in this bid.

1.2.14 Certificate of Interested Parties (Form 1295):

In 2015, the Texas Legislature adopted House Bill 1295, which added section 2252.908 of the Government Code. The law states that a governmental entity may not enter into certain contracts with a business entity unless the business entity submits a disclosure of interested parties to the governmental entity at the time the business entity submits the signed contract to the governmental entity or state agency.

The Texas Ethics Commission adopted rules and requires online filing of Form 1295 through their Website. The completed form, which will include a unique certification number, must be submitted to the County as part of your Bid.

Information regarding how to complete the online form is available at:

https://www.ethics.state.tx.us/whatsnew/elf_info_form1295.htm

1.2.15 Texas House Bill 89 – Prohibition On Investment In Companies That Boycott Israel:

During the 85th Texas Legislative Session, a new state law went into effect with the passing of House Bill 89. Texas Government Code, Chapter 2270.002 states a government may not enter into a contract with a Company for goods or services unless the contract contains written verification from the Company that it 1) does not boycott Israel and 2) will not boycott Israel during the term of the contract. Bidder must complete the form certifying that they are in compliance with these requirements.

Prohibition on contracts with companies boycotting Israel per Texas Government Code, Chapter 2270.001, Definitions:

1. “Boycott Israel” has the meaning assigned by Section 808.001.
2. “Company” has the meaning assigned by Section 808.001.
3. “Government entity” has the meaning assigned by Texas Government Code, Section 2251.001.

1.2.16 Texas Senate Bill 252 – Prohibition On Contracting With A Company Doing Business With Iran, Sudan, Or A Foreign Terrorist Organization:

During the 85th Texas Legislative Session, a new state law went into effect with the passing of Senate Bill 252. **Texas**

Government Code, Chapter 2252.152, states a government may not enter into a contract with companies engaged in active business operations with Sudan, Iran, a foreign terrorist organization or a Company that is identified on a list prepared and maintained under Texas Government Code Section 806.051, 807.051, or 2252.153. Bidder must complete the form certifying that they are in compliance with these requirements.

Prohibition on contracts with certain companies per Texas Government Code 2252.151 Definitions:

1. "Company" has the meaning assigned by Section 806.001.
2. "Foreign terrorist organization" means an organization designated as a foreign terrorist organization by the United States Secretary of State as authorized by 8 U.S.C. Section 1189.
3. "Government contract" means a contract awarded by a government entity for general construction, an improvement, a service, or a public works project for purchase of supplies, materials, or equipment. The term includes a contract to obtain a professional or consulting service subject to Texas Government Code Chapter 2254.
4. "Government entity" has the meaning assigned by Texas Government Code, Section 2252.001.

1.2.17 Section 2252.152 – Contracts with companies engaged in business with Iran, Sudan, or foreign terrorist organization prohibited. A government may not enter into a governmental contract with a Company that is identified on a list prepared and maintained under Section 806.051, 807.051, or 2252.153.

1.2.18 Section 2252.153 – Listed Companies. The Texas Comptroller of Public Accounts shall prepare and maintain, and make available to each governmental entity, a list of companies known to have contracts with or provide supplies or services to a foreign terrorist organization.

1.2.19 Standard Insurance Policies Required:

All insurance requirements, including public liability and workers' compensation, as outlined in Texas State Statutes shall be met prior to any delivery and shall remain in effect during the life of the contract.

General Requirements applicable to all policies:

- Only insurance carriers licensed and admitted to do business in the State of Texas will be accepted.
- Deductibles shall be listed on the Certificate of Insurance and are acceptable only on a per occurrence basis for property damage only.
- "Claims Made" policies will not be accepted.
- Each insurance policy shall be endorsed to state that coverage shall not be suspended, voided, canceled, reduced in coverage or in limits except after thirty (30) days prior written notice by certified mail, return receipt requested, has been given to Guadalupe County.
- All insurance policies shall be furnished to Guadalupe County upon request.

The County requires that the Bidder awarded the contract maintain in force such insurance that will protect themselves and the County from claims which may arise out of, or result from the execution of, the work whether such execution be by themselves, their employees, subcontractors, or by anyone for whose acts may be liable.

1.2.20 INSURANCE AND LIABILITY:

During the period of this Contract, contractor shall maintain at their expense, insurance with limits not less than those prescribed below. With respect to required insurance, Contractor shall:

1. Name Guadalupe County as additional insured, as its interests may appear.
2. Provide County a waiver of subrogation.

3. Provide County with a thirty (30) calendar days advance written notice of cancellation or material change to said insurance.
4. Provide the County a Certificate of Insurance evidencing required coverages within ten (10) calendar days after receipt of Notice of Award. **Also, assure your certificate contains the contract number as indicated on the Contract Award form when issued by Guadalupe County.**
5. Submit an original certificate of insurance reflecting coverage as follows:

| | |
|--|-----------------------|
| Professional liability | Not Required |
| Automobile Liability: | \$1,000,000 |
| Bodily Injury (Each person) | \$1,000,000 |
| Bodily Injury (Each accident) | \$1,000,000 |
| Property Damage | \$1,000,000 |
| General Liability (Including Contractual Liability): | |
| Bodily Injury | \$1,000,000 |
| Property Damage | \$1,000,000 |
| Excess Liability: | |
| Umbrella Form | \$1,000,000 |
| Worker's Compensation: | Statutory (\$500,000) |

1.2.21 Indemnification - Successful Bidder shall defend, indemnify and hold harmless Guadalupe County and all its officers, agents and employees from all suits, actions or other claims of any character, name and description brought for or on account of any injuries or damages (including but not restricted to death) received or sustained by any person, persons, or property on account of, arising out of, or in connection with the performance of the work or any negligent act or omission or fault of the successful Bidder, or of any agent, employee, subcontractor or supplier in the execution of, or performance under, any contract which may result from Bid award. Successful Bidder shall pay any judgment with cost which may be obtained against Guadalupe County growing out of such injury or damages.

1.2.22 Termination of Contract - This contract shall remain in effect until contract expires, completion and acceptance of services or default. Guadalupe County reserves the right to terminate the contract immediately in the event the successful Bidder fails to:

Meet delivery or completion schedules, or otherwise perform in accordance with the accepted Bid. Breach of contract or default authorizes the County to award to another Bidder, purchase elsewhere and charge the full increase cost to the defaulting Bidder.

Either party may terminate this contract with a thirty (30) day written notice prior to either party stating cancellation. The successful Bidder must state therein the reasons for such cancellation. Prior written notice must be delivered in person or sent by registered or certified mail, return receipt requested, proper postage paid, and properly addressed to:

Guadalupe County Judge, 101 E. Court, Room 319, Seguin, Texas 78155.

1.2.23 Performance of Contract - Guadalupe County reserves the right to enforce the performance of this contract in any manner prescribed by law or deemed to be in the best interest of the County in the event of breach or default of resulting contract award.

1.2.24 Invoices - Invoices shall be sent directly to the Guadalupe County Auditor's Office, attention Accounts Payable, 307 West Court Street, Suite 205, Seguin, Texas 78155. The invoices shall show:

- Firm name and address
- Purchase Order Number
- Name of receiving department
- Detailed breakdown of all charges for the services delivered, stating the applicable period of time
- Signature of County employee accepting delivery

1.2.25 Payment - Payment will be made within thirty (30) days after satisfactory acceptance by the County of all completed services and receipt of a valid invoice, in accordance with the Texas Government Code, Chapter 2251. Payment requests must be submitted in accordance with the contracted payment schedule.

1.3 Award

1.3.1 CONTRACT PERIOD - The contract period is from May 29, 2019 through August 23, 2019.

1.3.2 LOCAL PREFERENCE- In accordance with Local Government Code §271.905, if a local government receives one or more bids from a bidder whose principal place of business is in the County and whose bid is within three percent of the lowest bid price received by the County from a bidder who is not a resident of the County, the County may enter into a contract with: (1) the lowest bidder; or (2) the bidder whose principal place of business is in the local government if the governing body of the local government determines, in writing, that the local bidder offers the local government the best combination of contract price and additional economic development opportunities for the local government created by the contract award, including the employment of residents of the local government and increased tax revenues to the local government. This section does not prohibit a local government from rejecting all bids.

1.3.3 FIRM PRICING - All of the items listed are to be on a "per unit" basis, stating a firm price per unit or unit quantity of each item. This price must be good from the date of bid opening for a fixed period of time. Unless the bid expressly states otherwise, this period shall be until the end of the contract per the bid document. Bidder shall be obligated to deliver the products at the stated prices, within the time specified, and in accordance with all Terms and Conditions, and provisions contained herein as specified in individual delivery orders. Actual requirements will be stated through issuance of individual Purchase Orders against the contract, and no obligation to pay for any quantities shall be deemed to exist unless or until such orders are issued.

1.3.4 AVAILABILITY - It is expressly understood and agreed that in case Guadalupe County should need any item(s) not available within the time frame needed from the successful vendor(s) during the term of this contract, the County reserves the right to purchase the item(s) from other than the successful vendor(s) and shall not be in violation of any terms or conditions of said contract

1.3.5 LOCATION - For items included on these bids that are not delivered, location will be an important factor in the evaluation of bids. Distance will be reviewed both from the aspect of potential projects for the County for the upcoming year and for the distance to the County Road and Bridge locations within the County.

1.3.6 EVALUATION CRITERIA - Criteria utilized by Guadalupe County for determining the lowest responsible bidder includes, but is not limited to, bidder meeting the County's published specifications, bidder's experience removing and installing Bridges of similar size and construction within the last five (5) years, skill, ability, business judgment, financial capacity, integrity, honesty, possession of the necessary personnel, facilities or equipment, previous performance, reputation, promptness, experience of personnel with similar projects, resumes of project managers, supervisors, quality and safety personnel and any factor which could reasonably be asserted as being relevant to successful performance.

1.3.7 PROTESTS - Protests before award must be submitted in writing to the Purchasing Agent not later than six (6) calendar days after Bid opening, and protests after award must be submitted within ten (10) calendar days after award by Commissioners Court. The Purchasing Agent shall rule on the protest in writing within ten (10) calendar days from date of receipt. Any appeal of the Purchasing Agent's decision must be made within ten (10) calendar days after receipt thereof and submitted to the Purchasing Agent, who shall present the matter for final resolution to the Commissioners Court. Appellant shall be notified of the time and place the appeal is to be heard by Commissioners Court and afforded an opportunity to present evidence in support of the appeal.

1.3.8 CONTRACT ADMINISTRATION - Under this contract, the Road and Bridge Administrator, Guadalupe County, shall be the Contract Administrator/Project Manager with designated responsibility to ensure compliance with contract requirements, such as, but not limited to, acceptance, inspection and delivery. The Contract Administrator/Project Manager will serve as liaison between Guadalupe County Commissioner's Court and the successful bidder.

1.3.9 Inter-local Participation - It is hereby made a precondition of any bid/offer for a Contract for supplies or services and a part of these specifications, and that the submission of any bid/offer in response to this request constitutes a bid/offer made under the same conditions, for the same price, and for the same effective period as this bid/offer, to any other governmental entity having or entering into an inter-local agreement with Guadalupe County.

**GENERAL SPECIFICATIONS INCLUDING
CONSTRUCTION AND ERECTION SPECIFICATIONS**

1) GENERAL CONSIDERATIONS

a) DEFINITIONS:

Whenever used in the specifications or on the drawings, the following meaning shall be given the terms herein defined.

- i) "Owner"- GUADALUPE County, Texas
- ii) "General Contractor"
- iii) "Plans"- Design, construction plans and specifications, prepared and furnished by MBC Management, Consulting Engineers

b) WORKMANSHIP AND MATERIALS:

- i) Contractor shall do this work in accordance with the drawings and specifications and in the best and most workmanlike manner by qualified, careful and efficient workers, in strict conformity with the best accepted practices of each craft concerned, and at all times workmanship shall be subject to inspection and approval of the Owner.
- ii) All material used shall be of top quality and meet with the specified strengths, subject to the inspection and approval of the Owner.
- iii) Application for minor changes for improving architectural treatment or utilization of available materials shall be made to the Owner.
- iv) Structural steel connections shall be full strength welded joints and welding shall be done in accordance with American Welding Society requirements, except where shown otherwise or specified otherwise by the owner.

c) DRAWINGS AND SPECIFICATIONS:

- i) If a conflict occurs between information on the drawings and information in the specifications, the drawings shall apply unless it is clearly indicated otherwise.
- ii) Any work called for on the drawings, and not mentioned in the specifications, or vice versa, shall be furnished as though fully set forth in both.
- iii) Work not particularly detailed, marked, or specified, shall be the same as similar parts that are detailed, marked or specified.
- iv) Should an error appear on the drawings or in the specifications, or in the work done by others affecting this work, the Contractor shall notify the Owner at once and proceed according to the Owner's instructions. If the Contractor proceeds with work affected without, or contrary to the Owner's instructions, Contractor shall (at Owner's discretion) repair, replace, or make adequate restitution for any resulting damage or defects. This includes typographical errors in the specifications, and notational errors on the drawings where doubtful of interpretation.

d) USE OF PREMISES

- i) The Contractor shall confine his apparatus, storage of materials and construction operations to the limits of the right of way. Any other Construction easement or storage easement must be obtained by Contractor.
- ii) The Contractor shall not load or permit any part of the structure to be loaded to such an extent as to endanger its safety.
- iii) The Contractor shall enforce any instructions of the Owner regarding signs, advertising, fires, danger signals, and barricades.

2) LAYOUT

The owner shall employ competent personnel to lay out all center lines and to set whatever stakes, batter boards and bench marks which in the opinion of the Road and Bridge Administrator are necessary. The Road and Bridge Administrator may require the Contractor to check all measurements and

levels as often as he deems advisable. Before starting the work, the Owner shall verify all lines and levels given on the drawings, and if any discrepancies appear they shall be reported to the Owner at once. The Contractor shall be held responsible for the maintenance of all levels, lines and grades involved in his work.

3) DESIGN AND LOADING CONSIDERATIONS

a) DIMENSIONS:

- i) The bridge deck shall be 70 feet.

The bridge shall have two lanes and 28 feet of clearance between rails.

b) LOADING:

- i) Design load bearing capacity of soil under footings is taken from information shown on the soil test reports furnished by the Contractor, or by field tests made on foundation excavation by the Contractor.
- ii) The load carrying capacity shall include the following:
- (1) Dead load weight of the bridge.
 - (2) Forces impose laterally by wind and other natural elements.
 - (3) Impact considerations.
 - (4) Live load imposed by vehicular traffic (to match HS20 Highway loading).
 - (5) Provisions to suit temperature changes.

4) MISCELLANEOUS

- a) SANDBLASTING- Where existing steel shapes are used, sandblast metal to SSPC-SP 10, near white metal, using #4 sand. Remove all visible oil, grease, dirt, dust, milscale, rust, paint, oxides, corrosion products, and other foreign matter. Primer coat shall be applied the same day the sandblasting is done.
- b) PAINTING- Exposed metal surfaces shall be painted with Inorganic Zinc Primer, Sherwin Williams Zinc Clad 1 (or equal) in accordance with directions and supervision of the Judge.
- c) EXISTING BRIDGE- Contractor shall dismantle existing low water crossing and stack old materials on side approach. County shall be responsible for disposal of materials.
- d) EXCAVATION- Contractor to provide all excavation necessary to install new bridge. Excavated material not used for backfill shall be removed from site by county.
- e) BACKFILL- If extra backfill is necessary, county shall provide suitable backfill material.
- f) CREEK CHANNEL- Contractor will excavate channel of creek at bridge area if necessary.

5. WORK TO BE PERFORMED BY COUNTY

- a) BACKFILL – All abutment and wingwall backfill shall be provided by county
- b) ROADWORK – All necessary roadwork shall be performed by county.
- c) BARRICADES – All barricades necessary for road closure will be provided by county.

END OF SECTION

SUMMARY OF WORK

Descriptive Summary of the Work: Removal of existing bridge and construction and installation of new bridge.

Identification: Old Seguin-Luling Road at Mill Creek

Contract Documents: Requirements of the work are contained in the contract documents, and include cross-references herein to published information, which is not necessarily bound therewith.

Listing, Acceptance, Requirements: Refer to the individual work sections of specifications and other contract documents for requirements of work to be performed as "Alternates". Refer to Contract for indication of which Alternates (as listed in Instructions to Bidders) have been accepted or will be considered for acceptance during construction. Accepted Alternates are in full force and effect, as though included originally in base bid. Each must be completely integrated and coordinated with surrounding work.

Cutting and patching

Structural Work: Do not cut-and-patch structural work in a manner resulting in a reduction of load-carrying capacity or load/deflection ratio. Submit proposal and request and obtain Owner's approval before proceeding with cut-and-patch of structural work.

Operational/Safety Limitations: Do not cut-and-patch operational elements and safety components in a manner resulting in decreased performance, shortened useful life, or increased maintenance. Submit proposals and requests and obtain Owner's approval before proceeding with cut-and-patch of structural work.

Visual/Quality Limitations: Do not cut-and-patch work exposed to view (exterior and interior) in a manner resulting in noticeable reduction of visual qualities and similar qualities, as judged by Owner.

Limitation of Approvals: Owner's approval to proceed with cutting and patching does not waive right to later require removal/replacement of work found to be cut-and-patched in an unsatisfactory manner, as judged by Owner.

END OF SECTION

PROCEDURES AND CONTROLS

Administration and Supervision:

Coordination: Coordinate various elements of the work and entities engaged to perform work; and coordinate the work with existing facilities/conditions, and with work by separate contractors (if any) and by Owner.

Surveying/Recording:

General: Working from established lines and levels at or near project site, establish and maintain dependable markers for lines and levels of the work, including markers for each story of construction. Calculate dimensions and measure for layout of work; do not scale the drawings. Maintain surveyor's log of layout work. Record deviations (if any) from drawing information on existing conditions, and review with owner at time of discovery.

Inspections and Testing:

General: Provide required inspection and testing services specified to be by independent agencies, where not indicated specifically as Owner's responsibility (this provision supplements General Conditions). Neither inspection-and-test results nor failure thereof to disclose deficiencies relieves Contractor of responsibility to comply with requirements of contract documents. Provide services to inspection and testing agencies (Owner's and Contractor's), including taking and delivery of samples, patching work and similar assistance. Require engaged agencies to perform indicated testing and submit reports promptly; and to report significant observations having an important bearing on the work, to the Owner by the most expeditious means possible.

Preparation for Installation:

Pre-Installation Conference: Prior to starting installation of each major component of the work, hold a pre-installation conference, attended by each entity involved or affected by planned installation. Contractor must submit a construction schedule to the Guadalupe County Project Manager within ten days of receiving the **Notice to Proceed**.

Review significant aspects of requirements for the work. Record discussion and distribute as plan of action. Pre-installation conferences are specifically required for (but not limited to) the following installations:

Foundation work in completed excavations.

Anchor work securely in place, properly located by measured line and level, organized for best possible uniformity, visual effect, operational efficiency, durability, and similar benefit to Owner's use. Isolate non-compatible materials from contact, sufficiently to prevent deterioration.

Cleaning and Protection:

General: Clean each element of work at time of installation. Provide sufficient maintenance and protection during construction to ensure freedom from damage and deterioration at time of substantial completion.

END OF SECTION

TEMPORARY FACILITIES**General Definitions:**

Refer to General Conditions for basic commitments to provide temporary facilities. This section specifies certain minimum temporary facilities to be provided, regardless of methods and means selected for performance of the work, but not by the way of limitation and not assured for compliance with governing regulations. Use of alternate temporary facilities is Contractor's option, subject to Owner's acceptance. Temporary facilities are defined to exclude tools and construction machines, testing, demolition, alterations, soil borings, mock-ups and similar items.

Costs: Except as otherwise indicated, costs associated with temporary facilities are Contractor's (in Contract Sum), including power/fuel/water usage until time of substantial completion for each major area of project. Temporary facilities remain property of Contractor.

Temporary Support Facilities:

General: Provide facilities and services as may be needed to properly support primary construction process and meet governing regulations. Do not use permanent facilities except as otherwise indicated, and except after time of substantial completion.

Toilets: Where permitted by governing regulations, provide single-occupant, self-contained units; glass fiber reinforced polyester enclosure; equipped with both urinal and stool fixtures. Supply units with tissue and, where not located near separate wash facilities, supply with wet-type hand towels and wash containers. Locate units so that personnel with travel no more than 300'.

Security and Protection:

General: Provide facilities and services as necessary to effectively protect from losses and persons from injury during the course of construction.

Barricades: County will provide and maintain barricades at hazardous locations complete with signs, general lighting, warning lights and similar devices where appropriate or required by regulations.

Environmental Protection: Review exposure to possible environmental problems, with Owner. Establish procedures and discipline among tradesmen and provide needed facilities, which will protect against environmental problems (pollution of air, water and soil, excessive noise, and similar problems).

END OF SECTION

PROJECT CLOSEOUT

General Definitions:

The provisions of this section apply primarily to closeout of actual physical work, not to administrative matters such as final payment and changeover of insurances. Closeout requirements relate to both final completion and substantial completion of work, and apply to individual portions of completed work as well as the total work. Specific requirements in other sections have precedence over general requirements of this section.

Procedures at Substantial Completion:

Prerequisites: Comply with General Conditions and complete the following before Requesting Owner's inspection of the work, or designated portion thereof, for substantial completion:

Complete final cleaning, and remove temporary facilities and tools.

Inspection Procedures: Upon receipt of Contractor's request, Owner will either proceed with inspection or advise Contractor of prerequisites not fulfilled. Following initial inspection, Owner will either prepare certificate of substantial completion, or advise Contractor of work which must be performed prior to issuance of certificate; and repeat inspection when requested and assured that work has been substantially completed. Results of completed inspection will form initial "punch-list" for final acceptance.

Procedures at Final Acceptance:

Re-inspection Procedure: Upon receipt of Contractor's notice that work has been completed, including punch-list items resulting from earlier inspections and accepting incomplete items delayed because of acceptable circumstances, Owner will re-inspect work. Upon completion of re-inspection, Owner will either recommend final acceptance and final payment, or advise Contractor of work not completed or obligations not fulfilled as required for final acceptance. If necessary, procedure will be repeated.

Record Documentation:

Record Drawings: Maintain a complete set of blue/black-line prints of contract drawings and shop drawings for record mark-up purposes throughout the Contract Time. Mark-up drawings during course of the work to show changes and actual installation conditions, sufficient to form a complete record for Owner's purposes. Give particular attention to work, which may require servicing or replacement during life of project. Require entities marking prints to sign and date each mark-up. **Bind Red-Line, As Built Drawings** into manageable sets, with durable paper covers, appropriately labeled.

Final Cleaning: At closeout time, clean or re-clean entire work to normal level for "first class" maintenance/cleaning of building projects of a similar nature. Remove non-permanent protection and labels, touch-up minor finish damage, remove debris and broom-clean non-occupied spaces, sweep and wash paved areas, , and perform similar cleanup operations needed to produce a "clean" condition as judged by Owner.

END OF SECTION

SITE CLEARING

Protections: Provide temporary fences, barricades, coverings, or other protections to preserve existing items indicated to remain and to prevent injury or damage to persons or property. Apply protections to adjacent properties as required.

Restore damage work to condition existing prior to start of work, unless otherwise directed.

Do not interfere with normal traffic on roads, streets, walks, and other adjacent occupied or used facilities. Provide alternate routes around closed or obstructed traffic ways as required by governing regulations.

Demolition: Includes complete wrecking of structures and removal and disposal of demolished materials from site. Comply with applicable codes and ordinances of authorities having jurisdiction concerning demolition operations.

Salvageable items may be removed after demolition work starts; storage or sale on site of removed items will not be permitted. Please refer to page thirteen (13), Item 4C and 4D.

Control air pollution caused by dust and dirt; comply with governing regulations.

Fill below-grade areas and void resulting from demolition operations. Use satisfactory soil materials, placed in 6" deep horizontal layers with each layer thoroughly compacted.

Grade ground surface to conform to required contours and to provide surface drainage.

Dispose of removed and demolished items, including trash and debris, off Owner's property. Please refer to page thirteen (13), Item 4C and 4D.

Burning of waste materials on site is not permitted.

END OF SECTION

SHORING AND BRACING

Extent of shoring and bracing work is the responsibility of the General Contractor and shall comply with OSHA Regulations.

Supervision: Assign supervision of shoring and bracing work to a qualified foundation consultant as required.

Job Conditions: Before starting work, check and verify governing dimensions and elevations. Survey condition of adjoining properties, take photographs, recording existing settlement or cracking of structures, pavements, and other improvements. Prepare list of such damages, verified by dated photographs, and signed by Contractor and others conducting investigation.

Survey adjacent structures and improvements, establishing exact elevations at fixed points to act as benchmarks. Clearly identify benchmarks and record existing elevations on Construction Schedule. Locate datum level used to establish benchmark elevations sufficiently distant so as not to be affected by movement resulting from excavation operations.

During excavation, re-survey benchmarks weekly as per Construction Schedule. Maintain accurate log of surveyed elevations for comparison with original elevations. Promptly notify Owner if changes in elevations for comparison with original elevations sufficiently distant so as not to be affected by movement resulting from excavation operations.

Materials: Provide suitable shoring and bracing materials, which will support loads imposed. Materials need not be new, but should be in serviceable condition.

Shoring: Protect site from caving and unacceptable soil movement. Where shoring is required, locate system to clear permanent construction and to permit forming and finishing of concrete surfaces. Provide shoring system adequately anchored and braced to resist earth and hydrostatic pressures.

Shoring systems retaining earth on which support of stability of existing structures is dependent must be left in place at completion of work. If wood is part of shoring system near exiting structures, use pressure preserved treated material or remove before placement of backfill.

Bracing: Locate bracing to clear columns, floor framing construction, and other permanent work. If necessary to move a brace, install new bracing prior to removal of original brace.

Do not place bracing where it will be cast into or included in permanent concrete work, except as otherwise acceptable to Owner.

Install internal bracing, if required, to prevent spreading or distortion to braced frames.

Maintain bracing until structural elements are replaced by other bracing or until permanent floor construction is able to with stand lateral earth and hydrostatic pressures.

Remove sheeting, shoring and bracing in stages to avoid disturbance to underlying soils and damage to structures, pavements, facilities, and utilities.

END OF SECTION

EARTHWORK

Existing Utilities: Locate by hand excavation and provide protection from drainage. Cooperate with Owner and utility companies for maintaining services. Do not break utility connections without providing temporary services.

Repair damages to existing utilities as directed by owner and or utility company.

Protections: Protect structures, utilities, sidewalks, pavements, and other facilities in area of work.

Provide bracing and shoring as required in excavations, to maintain sides and to protect adjacent structures from settlement, complying with local codes and regulations. Maintain until excavations are back-filled.

Sub-base Fill Material: Naturally or artificially graded mixture of natural or crushed gravel, crushed stone, or crushed slag free of vegetation, debris, or other objectionable materials.

Excavation: Remove and dispose of material encountered to obtain required sub-grade elevations, including pavement, obstructions visible on ground surface, underground structures and utilities indicated to be removed.

Rock excavation (boulders over ½ cu. Yd., solid rock in ledges, and rock-hard cementitious aggregate deposits), if encountered, will be paid for in accordance with contract conditions relative to changes in work.

Unauthorized excavation (removal of materials beyond indicated sub-grade elevations) may be filled with lean concrete, or corrected by extending indicated bottom elevation of footing to lower elevation, as acceptable to Owner.

Stockpile excavated materials where directed, until required for backfill and fill.

Excavate for structure to elevations and dimensions shown, extending excavation a sufficient distance to permit placing and removal of other work and for inspection. Trim bottom to required lines and grades to provide solid base to receive concrete.

If unsatisfactory soil materials are encountered at design elevations, continue excavation as directed by Owner. If conditions are not a result of Contractor's negligence, additional excavation will be measured as directed by Owner and paid for in accordance with contract conditions relative to changes in work.

Backfill and Fill: Place and compact acceptable soil material in layers to required elevations. Use soil material free of clay, rock or gravel larger than 2" in any dimension, debris, vegetable matter, waste, and frozen materials.

Backfill excavations as provided in the Construction Schedule.

Prepare ground surface to receive fill by removing vegetation, debris, unsatisfactory soil materials and obstructions. Scarify as required so that fill material will bond with existing surface.

Place backfill and fill materials in layers not more than 8" in loose depth, compacting each layer to required maximum density. Do not place materials on surfaces that are muddy, frozen, or contain ice or frost.

Compaction: Compact each layer or backfill and fill soil materials and the top 12" of sub-grade for structures, slabs, and pavements to 90% maximum density of cohesive soils and 95% for cohesion less soils. At lawns or unpaved areas, 85% max. density for cohesive soils and 90% for cohesion less soils.

Pavement Sub-base Course: Place sub-base material in layers of indicated thickness, over sub-grade surface to support walks and pavement. Place single layer for course 6" thick or less and equal layers for courses more than 6" thick. Compact each lift.

Grading: Grade areas indicated, including adjacent transition areas, with uniform levels or slopes between finish elevations. Shape surface of areas to within 0.10' above or below required sub-grade elevation, compacted as required.

Maintenance: Repair and re-establish grades in settled, eroded, rutted, or otherwise damaged areas. In damaged compacted areas, scarify surface, re-shape, and compact to required density prior to further construction.

Disposal: Transport acceptable excess excavated material to designated soil storage areas on site, stockpile or spread as directed. Remove and dispose of unacceptable excavated material, trash, and debris from site. Please refer to page thirteen (13), item 4C and 4D.

Disposal: Remove excess excavated material, trash, debris, and waste material from site. Please refer to page thirteen (13), item 4C and 4D.

END OF SECTION

DRIVEN PILES

Welder Qualifications: Qualify welders, welding processes and procedures in accordance with AWS "Structural Welding Code".

Pile Driving Records: Submit copies of driving record of each pile not later than 2 days after driving. Include project name and number, name of Contractor, pile location and number, computed pile capacity, type and size of hammer used, type of pile driving cap used, rate of operation of pile driving equipment, pile dimensions, elevation of point, elevation of butt before and after cut-off, ground elevation, continuous record of number of blows for each foot of penetration, pile deviation, pile uplift and reaction, and any unusual occurrences during pile driving.

Protection: Protect structures, underground utilities and other construction from damage caused by pile driving operations. Pre-excavate for piles if required.

Steel H-Section Piles:

Steel: Hot-rolled carbon steel structural shapes and plates, complying with ASTM A 36.

Provide pile point reinforcement of same basic steel as pile sections. Weld web reinforcement plates with a continuous fillet weld on top and bottom edge only; weld flange reinforcement plates, angles or shapes with a continuous fillet weld on edges; unless otherwise indicated.

Driving Piles:

General: Continuously drive piles at locations indicated, to require point elevation and driving resistance established by driving and loading of test piles.

Carefully maintain center of gravity for each group or cluster of piles to conform to locations shown on drawings.

Carefully plumb leads and pile before driving. Take care during driving to prevent and to correct any tendency of piles to twist or rotate.

Driving Tolerances: Drive piles within following maximum tolerances:

Location: 6" from location indicated for center of gravity of each single pile or pile groups; 1" for piles under walls.

Plumbness: Maintain 1" in 10'-0" from vertical, or a maximum of 4", measured when the pile is above ground, in leads.

Batter Angle: Maximum 1" in 10'-0" from required angle; measured when pile is above ground, in leads.

Damaged or Misdriven Piles: Damaged piles, and piles driven outside required driving tolerances will not be accepted.

Withdraw piles rejected after driving, and replace with new piles.

Piles rejected after driving may be abandoned and cut-off, and additional piles driven to replace rejected units at designated locations.

Cutting-off: Cut-off tops of driven piles, square with pile axis and at elevations indicated. Dispose of excess materials off site.

Hammer shall weigh between 2000 and 5000 pounds. The minimum hammer energy, in foot-pounds, shall be 250 times the design load in tons. The drop shall be regulated to avoid injury to the piling, but in no case, shall the drop be greater than 10 feet. Ten ton loading minimum required.

Bearing Evaluation: Unless otherwise shown on the plans, the dynamic bearing resistance of piling shall be determined by the following formula:

Gravity Hammers

$$P = \frac{2WH}{S+1.0}$$

When energy delivered (@ X H) by gravity hammer is 24,000 foot-pounds or greater, and the penetration does not exceed ½ inch per blow for the last 40 blows delivered (without increasing), determine bearing resistance by:

$$\frac{P+2WH}{3S}$$

Where,

P=Dynamic resistance in pounds

S= Average penetration in inches, per blow, for the last 20 blows

W=Weight of ream, in pounds

H=height of fall of ram, in feet

Measurement and Payment:

Test piles that become part of completed foundation system will be considered as an integral part of work.

No payment will be made for rejected piles, including piles driven out of place, imperfect piles, or piles damaged in driving or handling.

END OF SECTION

CONCRETE

Codes and Standards: ACI 301 “Specifications for Structural Concrete Buildings”; ACI 318, “Building Code Requirements for Reinforced Concrete”, comply with applicable provisions except as otherwise indicated.

Concrete Testing Service: Employ acceptable testing laboratory to perform materials evaluation, testing and design of concrete mixes.

Owner will employ separate testing laboratory to evaluate concrete delivered to and placed at site.

Quality Control: Owner’s testing laboratory will perform sampling and testing during concrete placement, which may include the following, as directed by Owner. This testing does not relieve Contractor of responsibility of providing concrete in compliance with specifications. Contractor may perform additional testing as necessary, at no expense to Owner, to ensure quality of concrete.

Sampling: ASTM C 172

Slump: ASTM C 143, one test for each load at point of discharge.
(Max. 5”)

Air Content: ASTM C 173, one for each set of compressive strength specimens.

Compressive Strength: ASTM C 39, one set for each truck for deck concrete and one set each 20 cu. Yds. or fraction there of each class of concrete; 2 specimens tested at 7 days, 3 specimens tested at 28 days, and one retained for later testing if required.

Test results will be reported in writing to Owner, Contractor and concrete producer on same day tests are made.

Manufacturer’s Data: Submit manufacturer’s product data with installation instructions for proprietary materials including reinforcement and forming accessories, admixtures, joint materials, hardeners, curing materials and others as requested by Owner.

Laboratory Reports: Submit 2 copies of laboratory test or evaluation reports for concrete materials and mix designs.

Mix Proportions and Design: Proportion mixes by either laboratory trial batch or field experience method complying with ACI 301.

Submit written report to Owner for each proposed concrete mix at least 15 days prior to start of work. Do not begin concrete production until mixes have been reviewed and are acceptable to Owner.

Mix designs may be adjusted when material characteristics, job conditions, weather, test result or other circumstances warrant. Do not use revised concrete mixes until submitted to and accepted by Owner.

Use air-entering admixture in all concrete, providing not less than 4% or more than 8% entrained air for concrete exposed to freezing and thawing, and from 2% to 4% for other concrete.

Concrete Materials:

Portland Cement: ASTM C 150, type as required.

Aggregates: ASTM C 33, except local aggregates of proven durability may be used when acceptable to Judge.

Water: Potable Water.

Air Entraining Admixture: ASTM C 260.

Water-Reducing Admixture: ASTM C 494. Only use admixtures which have been tested and accepted in mix designs, unless otherwise acceptable.

Form Materials:

Provide form materials with sufficient stability to withstand pressure of placed concrete without bow or deflection.

Exposed Concrete Surfaces: Suitable material to suit project conditions.

Reinforcing Materials:

Deformed Reinforcing Bars: ASTM A 615, Grade 60 unless otherwise indicated.

Welded Wire Fabric: ASTM A 185.

Forming and Placing Concrete:

Ready-Mix Concrete: ASTM C 94.

Form work: construct so that concrete members and structures are of correct size, shape, alignment, elevation and position.

Provide openings in formwork to accommodate work of other trades. Accurately place and securely support items built into forms.

Clean and adjust forms prior to concrete placement. Apply form release agents of wet forms, as required. Retighten forms during concrete placement if required to eliminate mortar leaks.

Reinforcement: Position, support and secure reinforcement against displacement. Locate and support with metal chairs, runners, bolsters, spacers, and hangers, as required. Set wire ties so ends are directed into concrete, not toward exposed concrete surfaces.

Install welded wire fabric in as long lengths as practicable, lapping at least one mesh.

Joints: Provide construction, isolation, and control joints as indicated or required. Locate construction joints so as to not impair strength and appearance of structure. Place isolation and control joints in slabs-on- ground to stabilize differential settlement and random cracking.

Installation of Embedded Items: Set and build into work anchorage devices and other embedded items required for other work that is attached to, or supported by cast-in-place concrete. Use setting diagrams, templates and instructions provided by others for locating and setting.

Concrete Placement: Comply with ACI, placing concrete in a continuous operation within planned joints or sections. Do not begin placement until work of other trades affecting concrete is completed.

Consolidate placed concrete using mechanical vibrating equipment with hand rodding and tamping, so that concrete is worked around reinforcement and other embedded items and into forms.

Protect concrete from physical damage or reduced strength due to weather extremes during mixing, placement and curing. **In hot weather comply with ACI 318.**

Concrete Finishes:

Exposed-to-view-Surfaces: Provide a smooth finish for exposed concrete surfaces and surfaces that are to be covered with a coating or covering or covering material applied directly to concrete. Remove fins and projections, patch defective areas with cement grout, and rub smooth.

Curing: Begin initial curing as soon as free water has disappeared from exposed surfaces. Where possible, keep continuously moist for not less than 72 hours. Continue curing by use of moisture-retaining cover or membrane-forming curing compound. Cure formed surfaces by moist curing until forms are removed. Provide protections as required to prevent damage to exposed concrete surfaces.

Concrete shall be free to cure under exposure to normal atmospheric conditions existing at job site unless specified otherwise. During hot weather curing, apply 1100-CLEAR all-resin, water emulsion concrete curing compound.

END OF SECTION

STRUCTURAL STEEL

Codes and Standards: AISC “Code of Standard Practice for Steel Buildings and Bridges”; AISC “Specifications for the Design, Fabrication, and Erection of Structural Steel for Buildings: including “Commentary”, AWS “Structural Welding Code”; comply with applicable provisions except as otherwise indicated.

Shop Drawings: Show complete details and schedules (if required) for fabrication, assembly and erection. Furnish anchor bolts required for installation in other work; furnish templates for bolt installation.

Steel Pipe: ASTM A 53, Type E or S, Grade B.

Fasteners: High-strength bolts and nuts, ASTM A 325 or A 490; unfinished bolts and nuts, ASTM A 307, Grade A.

Shop Paint: FS TT-P_86, Type II; or, SSPC-Paint 14.

Fabrication: Comply with AISC “Specifications” and final shop drawings. Mark and match- mark units for field assembly.

Connections: As shown on drawings. Use high-strength bolts for field connections, except as otherwise indicated. Comply with AWS Code for procedures, appearance, and quality of welds.

Provisions for Other Work: Fabricate structural steel members or portions of members embedded in concrete or mortar, and contact areas to be welded or riveted. Clean steel free of loose mill scale, rust, oil and grease. Apply prime paint to provide a minimum dry film thickness of 2.0 mils.

Erection: comply with AISC Code and Specifications, and maintain work in safe and stable condition during erection. Provide temporary bracing and shoring as required; remove when final connections are placed.

END OF SECTION

METAL FABRICATION

Codes and Standards: AISC “Specifications for the Design, Fabrication and Erection of Structural Steel for Buildings”, AWS “Structural Welding Code”; Comply with applicable provisions unless otherwise indicated.

Inserts and Anchors: Furnish inserts and anchoring devices to be built into other work for installation of miscellaneous metal items; coordinate delivery to job site to avoid delay.

Steel Plates, Shapes, Bars: ASTM A 26.

Cold-formed Steel Tubing: ASTM A 500, Grade B.

Steel Pipe: ASTM A 53, Type E or S, Grade B.

Structural Cold-Rolled Steel Sheets: ASTM A 570.

Galvanized Structural Steel Sheets: ASTM A 466, Coating Designation G 90.

Concrete Inserts: Malleable iron (ASTM A 47) or cast steel (ASTM A 27) inserts, with steel bolts, washer and shims; hot dip galvanized.

Shop Paint: FS TT-P-86, Type II, or SSPC- Paint 14. Apply to clean and degreased steel surfaces at rate to provide a 2.0-mil dry film thickness.

Galvanizing: ASTM A 386 for assembled products; A 153 for iron and steel hardware.

Fabrication, General: Use materials of size and thickness shown or, if not shown, of required size, grade and thickness to produce strength and durability in finished product. Shop-paint all items not specified to be galvanized after fabrication.

Weld corners and seams continuously, grind exposed welds smooth and flush.

Form exposed connections with hairline, flush joints; use concealed fasteners where possible.

END OF SECTION

ATTACHMENT A:

**IFB# 19-4998 BRIDGE REMOVAL AND INSTALLATION
 OLD SEGUIN-LULING ROAD @ MILL CREEK
 GUADALUPE COUNTY BIDDER CERTIFICATION**

 LEGAL NAME OF CONTRACTING COMPANY

 FEDERAL I.D. # (Company or Corporation)

 TELEPHONE NUMBER

 E-MAIL ADDRESS

 CONTACT PERSON

 TITLE

 COMPLETE MAILING ADDRESS

 CITY & STATE

 ZIP CODE

 COMPLETE STREET ADDRESS

 CITY & STATE

 ZIP CODE

CERTIFICATION

The undersigned certifies it can and will provide and make available, at a minimum, all services set forth in this agreement. The undersigned affirms that they have read and do understand the statement of work and specifications and any attachments contained in this IFB package.

The undersigned agrees this Bid becomes the property of Guadalupe County after the official opening.

The undersigned affirms that they are familiarized with the local conditions under which the work is to be performed; satisfied him/her of the conditions of delivery, handling and storage of equipment and all other matters, which may be incidental to the work, before submitting a Bid.

The undersigned agrees if this Bid is accepted, to furnish any and all items/services upon which prices are offered, at the price(s) and upon the terms and conditions contained in the IFB. The period for acceptance of this IFB will be sixty (60) calendar days.

The undersigned affirms that they are duly authorized to execute this contract, that this Bid has not been prepared in collusion with any other Respondent, nor any employee of Guadalupe County, and that the contents of this Bid have not been communicated to any other Respondent or to any employee of Guadalupe County prior to the official Bid opening.

By signing this Bid, Bidder guarantees, I do hereby declare that I have read the IFB in which our Bid is submitted with full knowledge of the requirements, and do hereby agree to furnish all services in full accordance with the requirements outlined in the IFB.

 SIGNATURE

 DATE

 Typewritten or Printed Name

 Title

***This page must be page 1 of the Bid, or the Bid may be rejected.**

ATTACHMENT B**BID SUBMISSION FORM****LUMP SUM BID PRICE TO REMOVE AND REPLACE, (CONSTRUCT) BRIDGE AT OLD SEGUIN / LULING****ROAD AT MILL CREEK:****TOTAL BID: \$_____**

| Item | | Lump Sum |
|--|--|-----------------|
| Mobilization/De-Mobilization | | \$_____ |
| Remove Existing Bridge | | \$_____ |
| Install Concrete Piers and or Pilings | | \$_____ |
| Concrete Abutments | | \$_____ |
| Install Concrete Decking-Complete in Place | | \$_____ |
| Install Guard Rails | | \$_____ |
| <u>Total Cost</u> | | \$_____ |

ATTACHMENT C:**CONTRACT**

The undersigned agrees, if this bid is accepted, to furnish any and all items upon which prices are offered, at the price(s) and upon the terms and conditions contained in the specifications.

The County reserves the right to accept or reject any bids submitted, and to waive any technicalities in the best interest of the County.

The undersigned, by his/her signature, affirms and represents that he/she is duly authorized to execute this contract and bind the bidder to fully comply with terms and conditions of the attached documents for the amount(s) shown on the accompanying bid sheets. Further, the undersigned affirms and represents that this bid has not been prepared in collusion with any other bidder, and that the contents of this bid have not been communicated to any other bidder prior to the official opening of this bid.

By signing below, you affirm that you have read the entire document and agree to the terms therein.

Signature of Person Authorized to Sign Bid:

Date

Printed Name and Title of Signer: _____

Mailing Address: _____

City: _____ State: _____ Zip: _____

E-mail: _____ Phone No.: _____

The Commissioners Court of Guadalupe County, Texas does hereby agree to purchase Bridge Removal and Replacement services Construction Services from _____ for the period between May 29, 2019, and August 23, 2019 inclusive, in accordance with the requirements set forth in the bid specifications.

PASSED THIS _____ DAY OF _____, 2019.

APPROVED:

ATTEST:

KYLE KUTSCHER, COUNTY JUDGE

TERESA KIEL, COUNTY CLERK

ATTACHMENT D:**DISCLOSURE REQUIREMENTS**

Chapter 176 of the Texas Local Government Code mandates the public disclosure of certain information concerning persons doing business or seeking to do business with Guadalupe County, including affiliations and business and financial relationships such persons may have with Guadalupe County officers.

An explanation of the requirements of Chapter 176 is located at <http://www.statutes.legis.state.tx.us/Docs/LG/htm/LG.176.htm>.

A list of County officials is located at www.co.guadalupe.tx.us.

The Conflict of Interest Questionnaire (CIQ) form can be obtained at https://www.ethics.state.tx.us/filinginfo/conflict_forms.htm

Complete a CIQ form and submit with your response.

By doing business or seeking to do business with Guadalupe County, you acknowledge that you have been notified of the requirements of Chapter 176 of the Texas Local Government Code and that you are solely responsible for complying with them.

ATTACHMENT E:**AFFIDAVIT OF NON-COLLUSION, NON-CONFLICT OF INTEREST, ANTI-LOBBYING**

By submission of this Bid, the undersigned certifies that:

1. Neither the Bidder nor any of Bidder's officers, partners, owners, agents, representatives, employees, or parties in interest, has in any way colluded, conspired, or agreed, directly or indirectly with any person, firm, corporation or other Bidder or potential Bidder any money or other valuable consideration for assistance in procuring or attempting to procure a contract or fix the prices in the attached Bid or the Bid of any Bidder, and further states that no such money or other reward will be hereinafter paid.
2. No attempt has been or will be made by this Company's officers, employees, or agents to lobby, directly or indirectly, the Guadalupe County Commissioners Court or its employees between Bid submission date and award by Guadalupe County.
3. No officer or stockholder of the Bidder is a member of the staff, or related to any employee of Guadalupe County except as noted herein below:

4. The undersigned certifies that he/she is fully informed regarding the accuracy of the statements contained in this certification, and that the penalties herein are applicable to the Bidder as well as to any person signing on his/her behalf.

Signature: _____

Title: _____

Printed Name: _____

Date Signed: _____

ATTACHMENT F:**INDEMNITY AGREEMENT**

The Company agrees to and shall indemnify, hold harmless and defend the County, its officers, agents and employees from and against any and all claims, losses, damages, causes of action, suits, and liability of every kind; including all expenses of litigation, court costs, and attorneys' fees, for damage to any property, loss of revenue, or any other injuries or damages arising out of or in connection with the services performed by the Company, pursuant to this Bid, the conduct or management of the Company's activities, or from any act or omission by the Company, its agents, employees, or subcontractors, where such damages, losses or injuries are caused by the joint or sole negligence of the Company.

It is the expressed intention of the parties hereto, both the Company and the County, that the indemnity provided for in this paragraph is indemnity by the Company to indemnify and protect the County from the consequences of the Company's own negligence, where that negligence is a concurring cause of the resulting injury, death or damage. Furthermore, the indemnity provided for in this paragraph shall have no application to the County for any claim, loss, damage, and cause of action, suit and liability where the injury, loss or damage results from the sole or the concurrent negligence of the county.

In the event that any action or proceeding is brought against the County by reason of any matter from which the County is indemnified herein, the Company further agrees and covenants to defend the action or proceeding by legal counsel acceptable to the County. This article shall survive the expiration or termination of the agreement.

Signature of Official Representative of Firm

Name of Official Representative (typed)

Title

ATTACHMENT G:**SWORN VERIFICATION OF STATEMENT REGARDING:****ISRAEL BOYCOTT****AND****PROHIBITION ON CONTRACTING WITH A COMPANY****DOING BUSINESS WITH IRAN, SUDAN, OR A FOREIGN TERRORIST ORGANIZATION**

By signing below, you affirm that you have the authorization to make the statements below for the Company submitting this Bid. You affirm that you are fully aware of the facts stated in this statement.

In accordance with Texas Government Code Section 2270.02, this Company does not boycott Israel and will not boycott Israel during the term of this contract.

In accordance with Texas Government Code Section 2252.152, this Company does not engage in active business operations with Sudan, Iran, a foreign terrorist organization or a Company that is identified on divestment statute lists prepared and maintained by the Texas Comptroller of Public Accounts.

Signature of Person Authorized to Sign Contract:

Date

Printed Name and Title of Signer: _____

Name of Company: _____

ATTACHMENT H:

W-9 REQUEST FOR TAXPAYER IDENTIFICATION

| | | |
|--|--|--|
| Form (Rev. November 2017) Department of the Treasury Internal Revenue Service | <h2 style="margin: 0;">W-9</h2> <h3 style="margin: 0;">Request for Taxpayer Identification Number and Certification</h3> <p style="margin: 0;">▶ Go to www.irs.gov/FormW9 for instructions and the latest information.</p> | Give Form to the requester. Do not send to the IRS. |
| Print or type. See Specific Instructions on page 3. | 1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank. | |
| | 2 Business name/disregarded entity name, if different from above | |
| | 3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only one of the following seven boxes. <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div> <input type="checkbox"/> Individual/sole proprietor or single-member LLC <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ▶ _____ Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is not disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner. <input type="checkbox"/> Other (see instructions) ▶ _____ </div> <div> <input type="checkbox"/> C Corporation <input type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate </div> </div> | 4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) _____ Exemption from FATCA reporting code (if any) _____ <i>(Applies to accounts maintained outside the U.S.)</i> |
| | 5 Address (number, street, and apt. or suite no.) See instructions. | Requester's name and address (optional) |
| | 6 City, state, and ZIP code | |
| 7 List account number(s) here (optional) | | |

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

| | | | | | | | | | |
|---------------------------------------|--|---|--|---|--|--|--|--|--|
| Social security number | | | | | | | | | |
| | | - | | - | | | | | |
| or | | | | | | | | | |
| Employer identification number | | | | | | | | | |
| | | - | | | | | | | |

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

| | | |
|------------------|----------------------------------|--------------|
| Sign Here | Signature of U.S. person ▶ _____ | Date ▶ _____ |
|------------------|----------------------------------|--------------|

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to www.irs.gov/FormW9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)

- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, later.

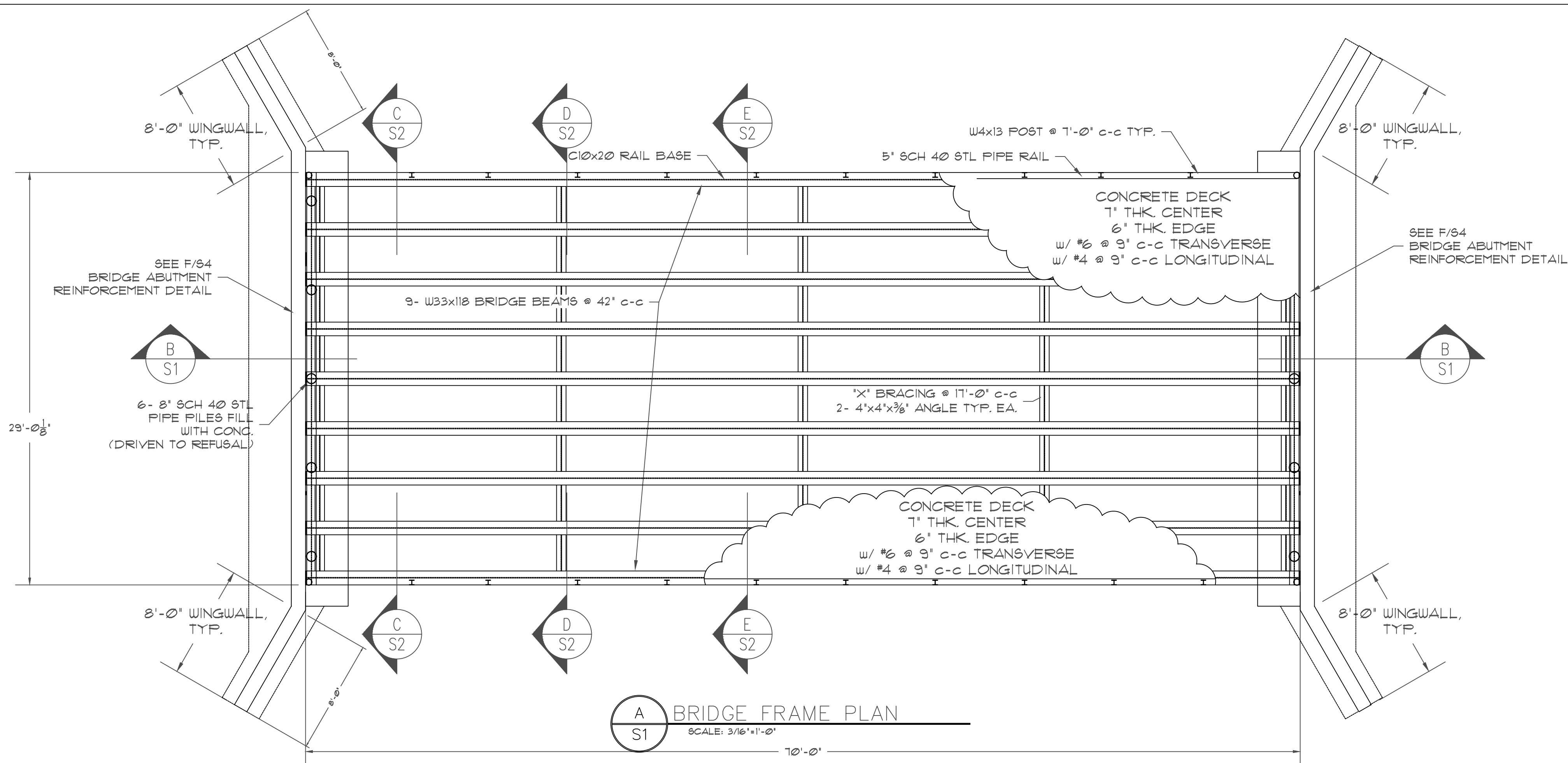
ATTACHMENT I: Certificate of Interested Parties

In 2015, the Texas Legislature adopted House Bill 1295, which added Section 2252.908 of the Government Code. The law states that a government entity may not enter into certain contracts with a business entity unless the business entity submits a disclosure of interested parties to the government entity. The disclosure of interested parties will be submitted online via Form 1295 through the Texas Ethics Commission website and must be submitted to the governmental entity prior to any signed contract and/or vote by the governing authority.

Business Entity must complete Form 1295 in electronic format on the Texas Ethics Commission website: (https://www.ethics.state.tx.us/whatsnew/elf_info_form1295.htm)

Upon receipt of a completed Interested Parties Disclosure Form, Texas Ethics Commission issues a Certification of Filing to the Business Entity and the Business Entity download and print the Form 1295. An authorized agent of the business entity will need to sign the printed copy of the form.

At the time of submission of the solicitation to the County, the Business Entity must submit the completed Form 1295 with the Certification of Filing with their bid/Bid (i.e.: bid, IFB, RFQ, SOQ, etc.) to the County.



BUILDING CODE:
1. THE INTERNATIONAL BUILDING CODE, 2012 EDITION.
2. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 2010 EDITION.
3. ASCE-7, MINIMUM DESIGN LOADS FOR BUILDINGS & OTHER STRUCTURES.

LOADS:
1. DEAD LOAD = 110 PSF.
2. DECK LIVE LOAD = 125 PSF.
3. VEHICLE LOAD:
H-20 LOADING per AASHTO = 25,000 lbs MAX. AXLE LOAD
w/ 1.33 IMPACT LOAD FACTOR = 33,250 MAX. AXLE LOAD
4. WIND LOAD:
BASIC WIND SPEED
V-UTL = 115 MPH.
V-ASD = 95 MPH.
WIND IMPORTANCE FACTOR = 1.0
WIND EXPOSURE 'C'
HORIZONTAL LOAD = -22.38 PSF
5. SEISMIC LOAD:
SEISMIC USE GROUP: I
SITE CLASS: D
SPECTRAL RESPONSE COEFFICIENTS
SDS = 0.080
SD1 = 0.051
6. SUPPORT REACTIONS
LOAD PER PILE / PIER (5- PILE / PIER EACH END):

HORIZONTAL = 1.18 Kips
VERTICAL:
DEAD = 25.60 Kips
DEAD+LIVE = 52.11 Kips
DEAD+VEHICLE = 67.05 Kips

1. GENERAL

- ALL PLAN DIMENSIONS ARE INTERPRETED FROM AND SHALL BE VERIFIED WITH THE STRUCTURAL DRAWINGS AND THE ENGINEER NOTIFIED IF DISCREPANCIES EXIST.
- ALL ITEMS OF WORK SHALL BE PERFORMED FOR A LUMP SUM PRICE. UNIT QUANTITY PRICE SHALL NOT BE USED.
- ANY UNUSUAL CONDITIONS ENCOUNTERED SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONCRETE PLACEMENT.
- LOCATIONS OF CONCRETE CONSTRUCTION JOINTS NOT SHOWN SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONCRETE PLACEMENT.
- UNLESS OTHERWISE NOTED ALL ITEMS SHALL CONFORM TO THE TEXAS DEPARTMENT OF TRANSPORTATION'S (TxDOT) STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MAINTENANCE OF HIGHWAYS, STREETS, AND BRIDGES ADOPTED JUNE 1, 2004.

2. CONCRETE

- ALL CONCRETE EXCEPT THE DECK CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS IN ACCORDANCE WITH ASTM C-39. THE DECK CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3600 PSI AT 28 DAYS IN ACCORDANCE WITH ASTM C-39 AND SHALL HAVE A MINIMUM MODULUS OF RUPTURE OF 450 PSI AS 28 DAYS IN ACCORDANCE WITH ASTM C-18. AN AIR ENTRAINMENT AGENT SHALL BE USED. FLY ASH SHALL NOT BE USED.
- WHERE CONCRETE IS PLACED AGAINST FORMS REINFORCING BARS SHALL HAVE A MINIMUM OF 2 INCHES CLEAR COVER UNLESS SHOWN OTHERWISE. WHERE CONCRETE IS PLACED AGAINST EARTH, REINFORCING BARS SHALL HAVE A MINIMUM OF 3 INCHES CLEAR COVER.
- APPLY FLOAT FINISH TO SLAB SURFACES TO RECEIVE A TROWEL FINISH.
- APPLY A HEAVY BROOM FINISH TO DECK SURFACES IN ACCORDANCE WITH ACI 302.
- DEPRESSIONS BETWEEN HIGH SPOTS SHALL NOT BE GREATER THAN 1/8 IN. BELOW A 10 FT. LONG STRAIGHTEDGE IN ACCORDANCE WITH ACI 302.
- CONCRETE FACES SHALL NOT DEVIATE MORE THAN 3/16" FROM THE PLAN DIMENSIONS.

3. PILING

- ALL PILING SHALL BE AS SHOWN ON THE PLANS AND AS SPECIFIED BY TxDOT ITEM 401 - STEEL PILING.
- THE PILING SHALL BE DRIVEN AS SPECIFIED BY TxDOT ITEM 404 - PILE DRIVING. THE MINIMUM LENGTH SHALL BE AS SHOWN ON PLANS. THE PILES SHALL BE DRIVEN TO A GREATER DEPTH IF REQUIRED TO OBTAIN THE REQUIRED BEARING CAPACITY. THE MINIMUM BEARING CAPACITY OF THE PILES SHALL BE AS FOLLOW:
ABUTMENTS #1 & #2 - 43 TONS EACH

4. STEEL STRUCTURES

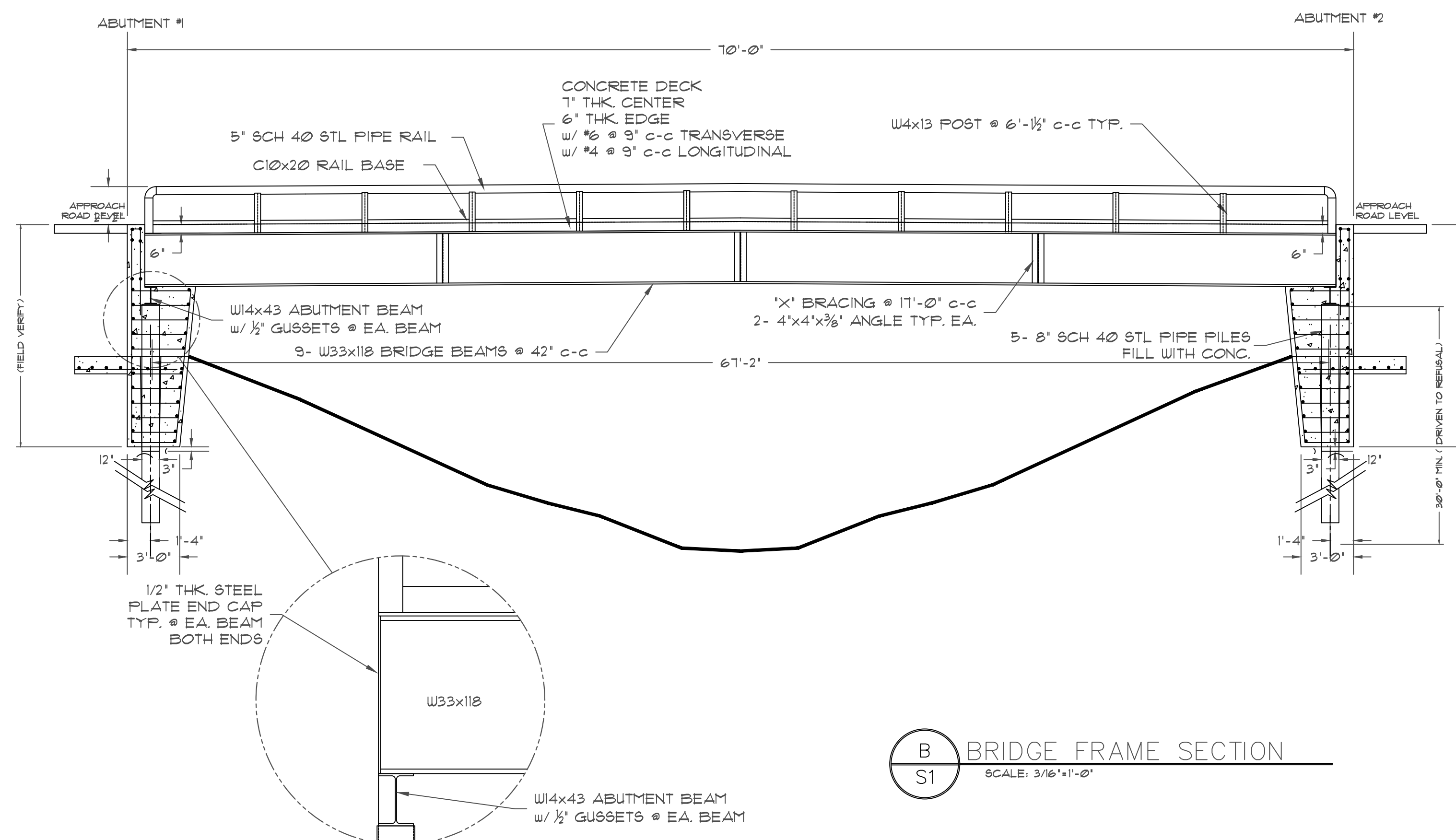
- ALL STRUCTURAL SECTIONS SHALL BE ASTM A36, SUBJECT TO INSPECTION AND APPROVAL OF THE COUNTY. STRUCTURAL PIPE SHALL HAVE A MINIMUM YIELD STRENGTH OF 35,000 psi. ALL STRUCTURAL STEEL CONNECTIONS SHALL FULL WELDED JOINTS. WELDING SHALL BE IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY. REINFORCING STEEL SHALL CONFORM WITH ASTM A615.
- EXPPOSED STRUCTURAL METAL SURFACES SHALL BE PAINTED WITH INORGANIC ZINC COATING.
- USED STEEL IS ACCEPTABLE WITH LESS THAN 5% CROSS SECTION CORROSION LOSS.
- CAMBER BEAMS ONE AND ONE HALF (1 1/2) INCHES.

NOTES:

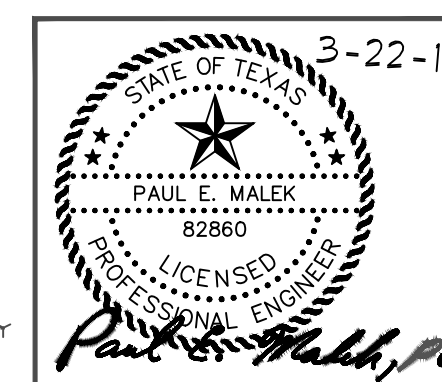
- STRUCTURAL STEEL SHALL MEET THE LATEST AASHTO (AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS) SPECIFICATIONS FOR MATERIALS.
- ALL STRUCTURAL STEEL TO MEET ASTM A 36 - Fy = 36 KSI.
ALL TUBING TO MEET ASTM A 500, GRADE B - Fy = 46 KSI.
ALL PIPES TO MEET ASTM A-53, GRADE B - Fy = 35 KSI.
- ALL BOLTS A 325 HIGH STRENGTH, WITH WASHERS AS REQUIRED.
- WELDING SHALL CONFORM TO THE STANDARDS SET FORTH IN AWS PUBLICATION, 'WELDING IN BUILDING CONSTRUCTION'.
- ALL FIELD AND SHOP CONNECTIONS TO HAVE 3/16" FILLET WELDS MINIMUM UNLESS NOTED.
- ALL FIELD WELDS TO BE WITH E70XX ELECTRODES.
- NO OPENINGS TO BE PLACED IN BEAM WEBS OR FLANGES WITHOUT ENGINEER'S APPROVAL.

STRUCTURAL FILL

- ALL FILL (IF REQUIRED) SHALL HAVE A MAXIMUM PLASTICITY INDEX (PI) OF 20 OR LESS. THE MINIMUM PLASTICITY INDEX (PI) SHALL BE 5 OR GREATER. ALL FILL SHALL PLACED IN A MAXIMUM LIFT THICKNESS OF SIX INCHES. EACH LIFT SHALL BE COMPACTED TO 95% OF STANDARD PROCTOR DENSITY (ASTM D-698) AT A MOISTURE CONTENT OF -1% TO +3% AND SHALL BE FIELD TESTED IN ACCORDANCE WITH ASTM D-2922.



THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY PAUL E. MALEK, P.E. 82860 ON MARCH 22, 2018.



THESE PLANS WERE PREPARED UNDER THE SUPERVISION OF
MBC MANAGEMENT
FIRM NO. F-789
7984 HWY 6 NAVASOTA, TX 77868
CONSULTING ENGINEER PAUL MALEK, P.E.
P.E. LICENSE # 82860

BRIDGE ON
OLD SEGUIN - LULING ROAD
GUADALUPE COUNTY
ROAD AND BRIDGE ADMINISTRATOR
MARK GREEN

CONSTRUCTION MANAGEMENT AND DESIGN SERVICES

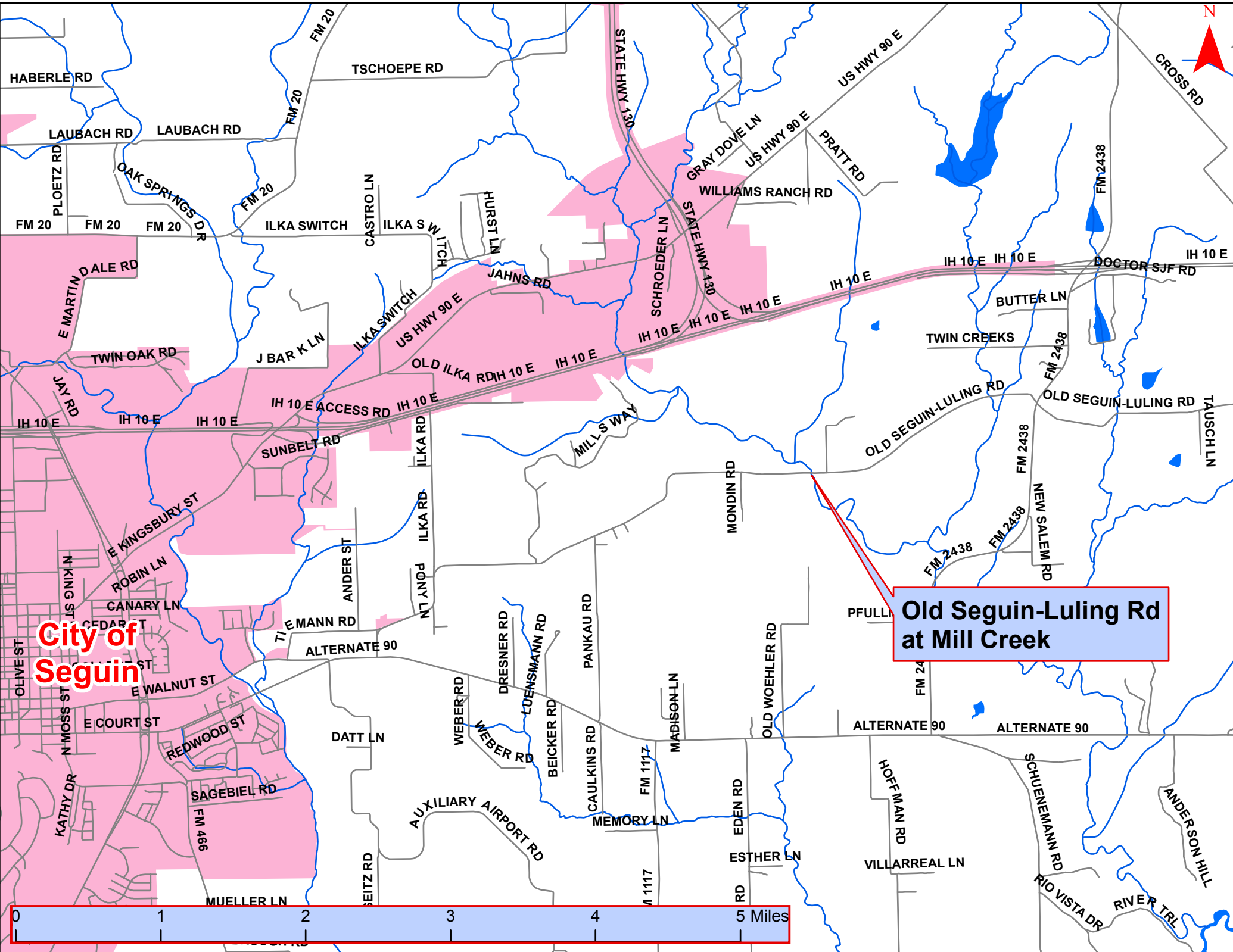
M.B.C. Management
design
design-build
general contracting
7984 HWY. 6
NAVASOTA, TX 77868
Ph. (936) 825-1603
Fax (936) 825-1624

BRIDGE PLAN
AND BRIDGE PROFILE
w/ CONCRETE DECK

APPROVED:

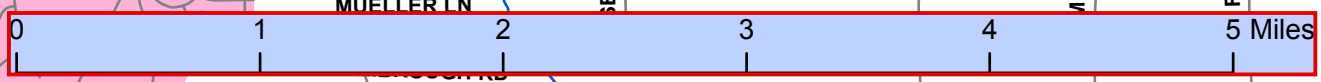
DRAWING NO.
S1

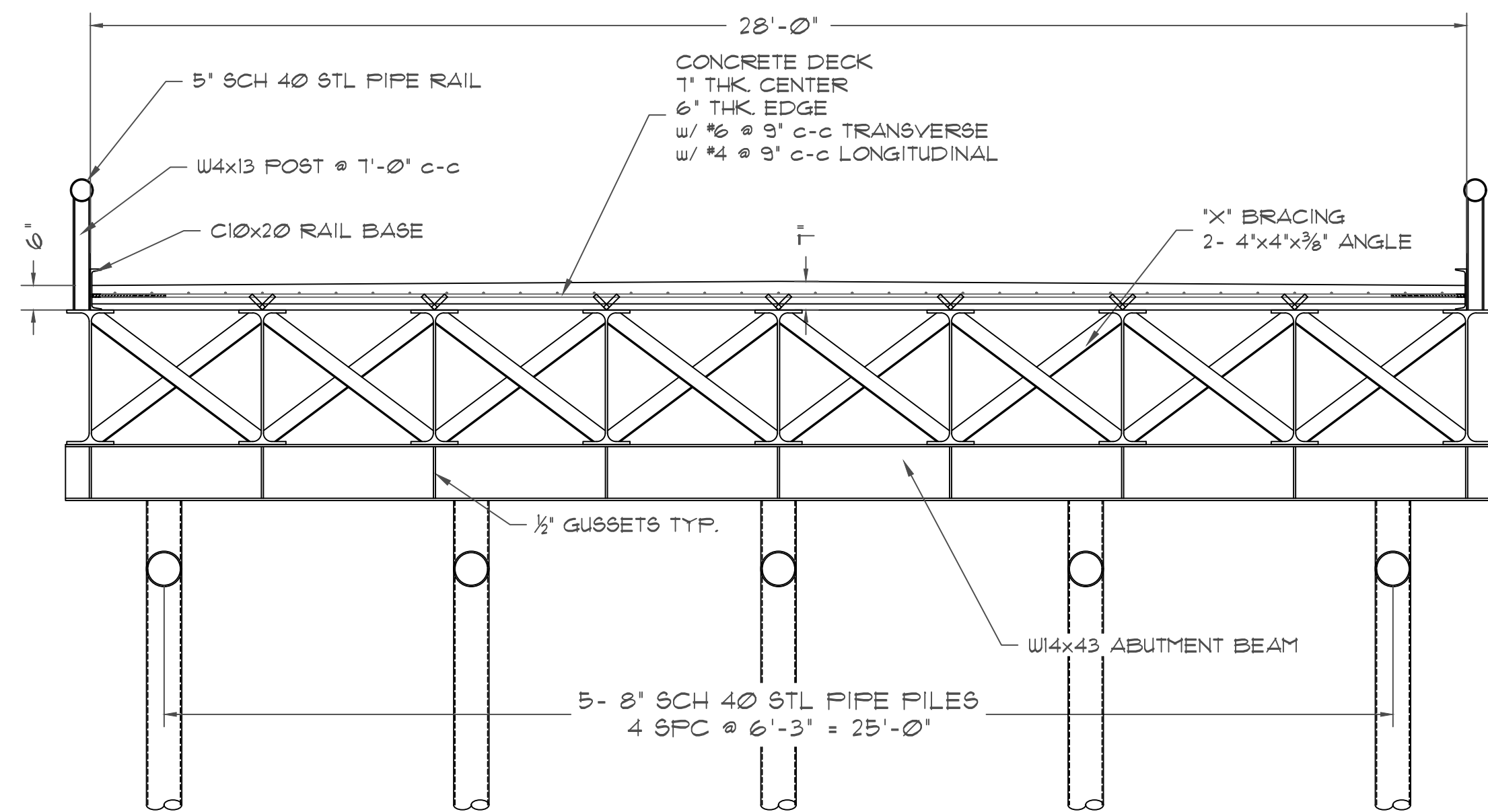
| NO. | REVISIONS | DATE | BY | DRAWN BY: |
|-----|-----------|------|----|---------------|
| | | | | PEM |
| | | | | DATE |
| | | | | MAR. 22, 2019 |
| | | | | SCALE |
| | | | | AS SHOWN |



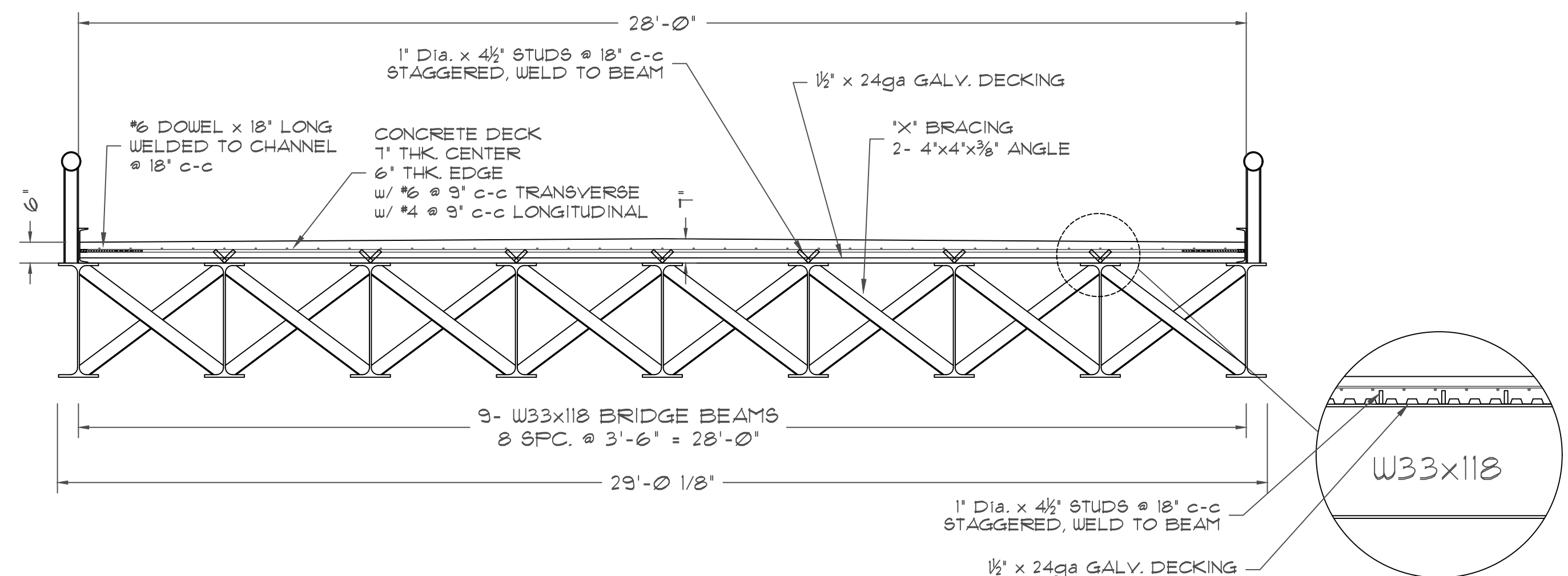
**City of
Seguin**

**Old Seguin-Luling Rd
at Mill Creek**

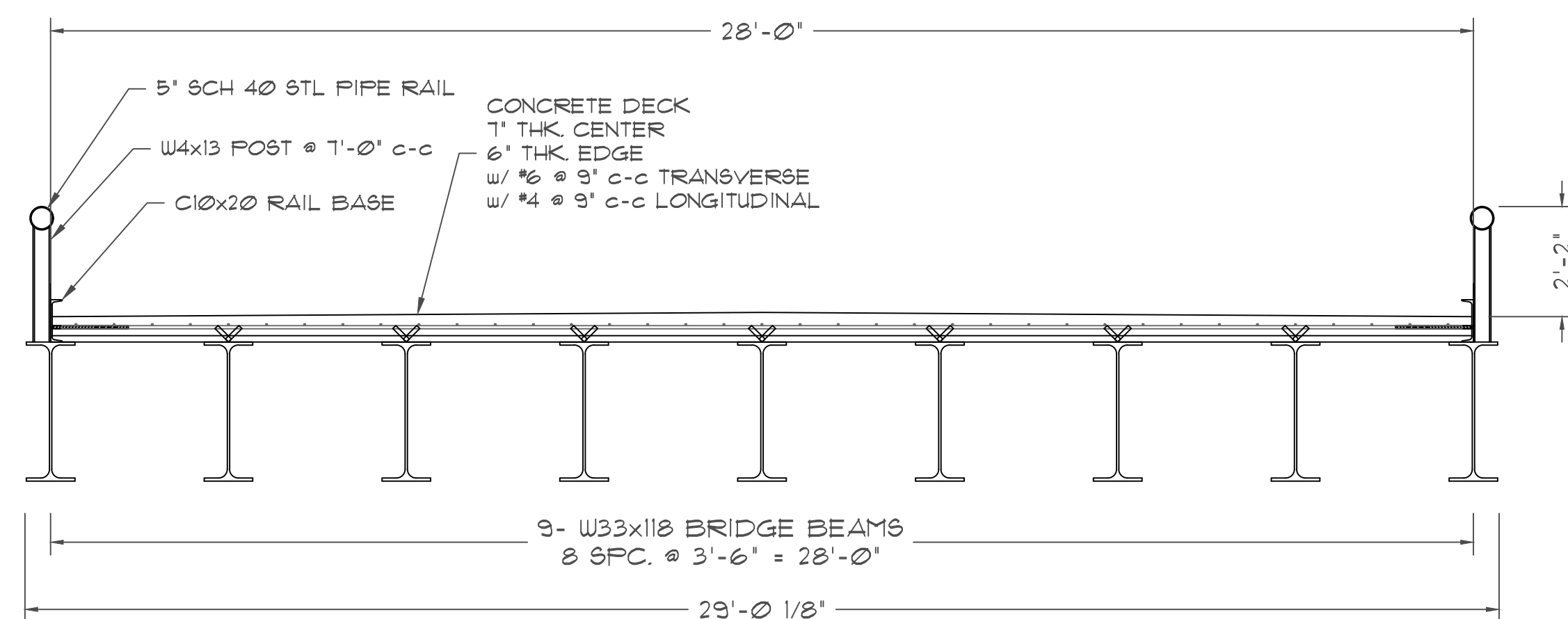
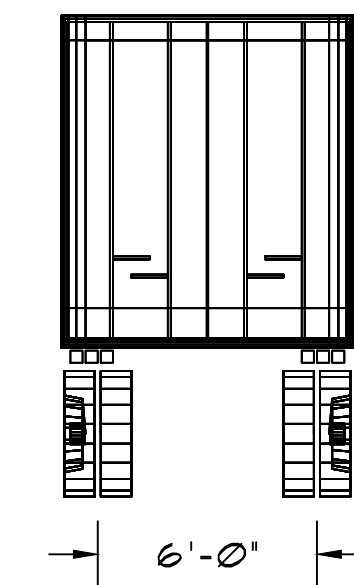
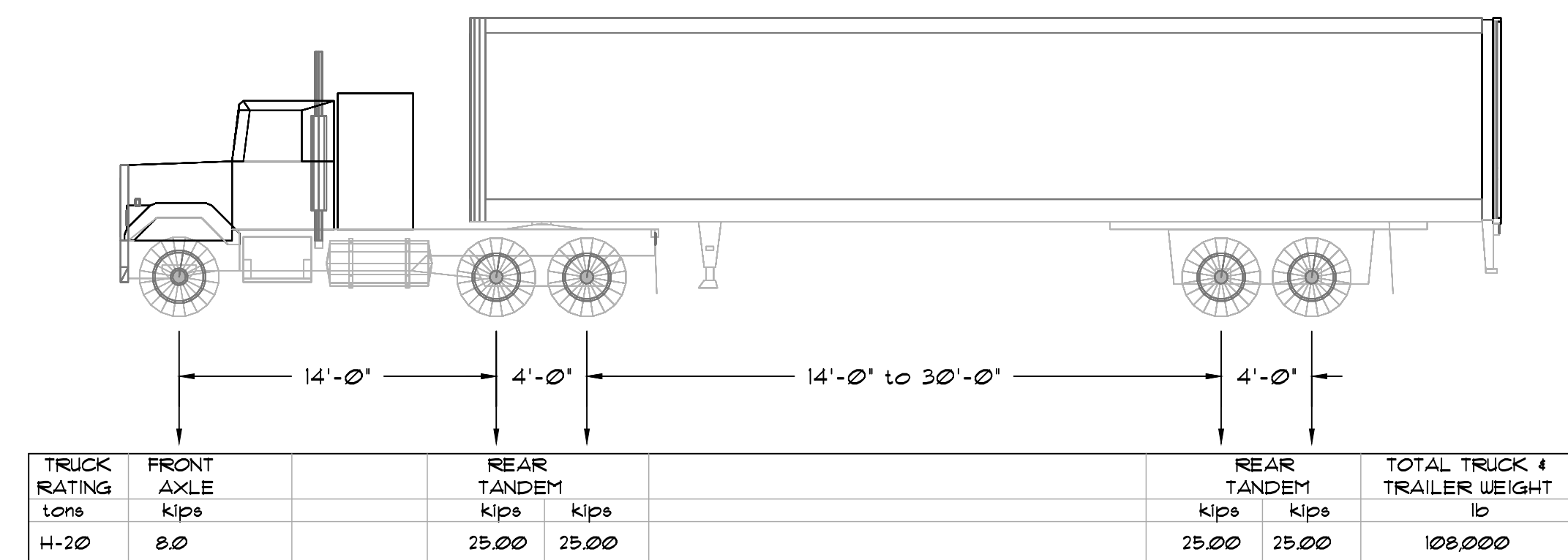




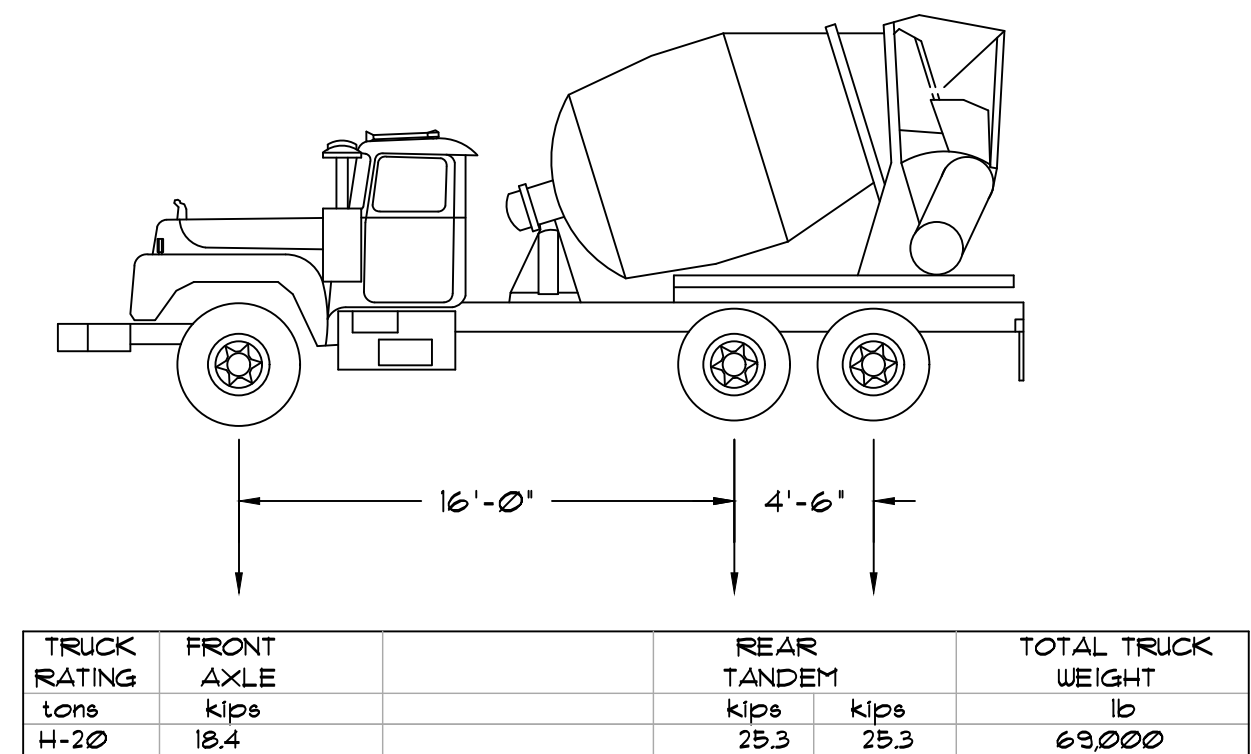
C
S2
BRIDGE FRAME SECTION
SCALE: 3/16"=1'-0"



D
S2
BRIDGE FRAME SECTION
SCALE: 3/16"=1'-0"

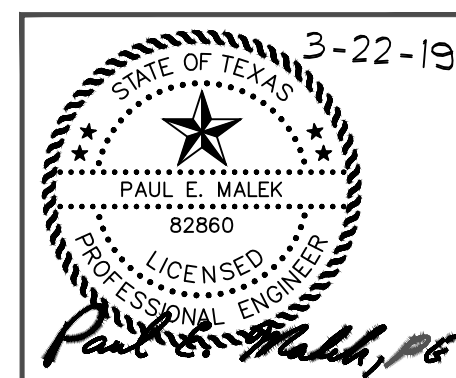


E
S2
BRIDGE FRAME SECTION
SCALE: 3/16"=1'-0"



I CERTIFY THAT THE BRIDGE BUILT TO PLANS AND NOTES
WILL SUPPORT THE HS-25 LOADS AS SHOWN IN THE CHART ABOVE.
THE HS-25 LOAD RATING IS AN INVENTORY RATING PER AASHTO SPEC.

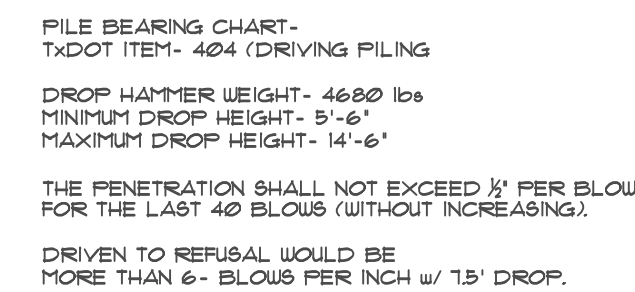
Paul E. Malek, P.E.




THESE PLANS WERE PREPARED
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FIRM NO. F-789
7984 HWY 6 NAVASOTA, TX 77868
CONSULTING ENGINEER PAUL MALEK, P.E.
P.E. LICENSE # 82860

| | |
|--|---|
| BRIDGE ON OLD SEGUIN - LULING ROAD GUADALUPE COUNTY ROAD AND BRIDGE ADMINISTRATOR MARK GREEN | |
| CONSTRUCTION MANAGEMENT AND DESIGN SERVICES | |
| M.B.C. Management design design-build general contracting | 7984 HWY. 6 NAVASOTA, TX 77868 Ph. (936) 825-1603 Fax (936) 825-1624 |
| BRIDGE SUPPORT DETAILS ABUTMENTS #1 & #2 | APPROVED: S2 |

| NO. | REVISIONS | DATE | BY | DRAWN BY |
|-----|-----------|------|----|---------------|
| | | | | PEM |
| | | | | MAR. 22, 2019 |
| | | | | AS SHOWN |



3-22-19



THESE PLANS WERE PREPARED
UNDER THE SUPERVISION OF

MBC MANAGEMENT
FIRM NO. P-789

7984 HWY 6 NAVASOTA, TX 77868
CONSULTING ENGINEER PAUL MALEK, P.E.
P.E. LICENSE # 82860

| | |
|--|--|
| <p align="center">BRIDGE ON OLD SEGUN - LULING ROAD GUADALUPE COUNTY ROAD AND BRIDGE ADMINISTRATOR MARK GREEN</p> | |
| <p align="center">CONSTRUCTION MANAGEMENT AND DESIGN SERVICES</p> | |
| <p>M.B.C. Management</p> <p>design design-build general contracting</p> | <p>7984 HWY. 6 NAVASOTA, TX 77868</p> <p>Ph. (936) 825-1603</p> <p>Fax (936) 825-1624</p> |
| <p align="center">BRIDGE SECTIONS AND DETAILS</p> | <p>APPROVED:</p> <p>DRAWING NO.</p> |