

STATEMENT OF QUALIFICATIONS

FOR

ENGINEERING SERVICES FOR MANGANA-HEIN ROAD EXTENSION PROJECT

RFQ 2021-003

PRESENTED TO WEBB COUNTY



## CIVIL ENGINEERING CONSULTANTS DON DURDEN, INC.

March 12, 2021

Juan Guerrero Webb County Purchasing Department 1110 Washington Street, Suite 101 Laredo, Texas 78040

Re: Engineering Services for Mangana-Hein Road Extension Project

Mr. Chavez:

**Civil Engineering Consultant (CEC)** is pleased to submit our "Statement of Qualifications" as per the County's request for the professional engineering services associated with the above-referenced project. For more than 35 years, CEC has provided civil engineering and surveying services for numerous projects that have included roadway improvements, water, wastewater, storm drainage systems, and many street paving projects in Webb County and the surrounding South Texas area.

For this project, CEC has assembled a team of highly knowledgeable professionals in roadway, traffic control, and utility design projects both local and statewide. For this important project, I will serve as Principal to ensure Webb County's needs are met. Mr. Edward L. Ochoa, PE, SIT, CFM, will serve as the Project Manager and will be the Certified Floodplain Manager as required for this project. Our team's familiarity with all facets of the roadway, traffic control, survey, and utility design make us a natural choice to lead this project. Edward and I have proudly lived and served in this community for many years. We have proudly served Webb and South Texas counties on many roadway, highway, traffic control, and utility projects.

CEC is certain this team of design professionals has the technical expertise to fulfill Webb County's needs. The information included in this Statement of Qualifications exhibits CEC's proven track record of going above and beyond the call of duty to serve our municipal clients. CEC appreciates the chance to present its qualifications and ask for the opportunity to partner with Webb County on this important project.

Respectfully,

Jeffrey G. Puig, PE, RPLS

Principal/Laredo Division Manager

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## RFQ # 2021-003 "Engineering Services for Mangana-Hein Road Extension Project"

$\square$	Statement of Qualifications	
	Proposers Information form	
Ø	Conflict of Interest form (Form CIQ)	
	Certification regarding Debarment (Form H2048)	
	Certification regarding Federal lobbying (Form 2049)	
	Purchasing Code of Ethics Affidavit	
	Proof of No Delinquent Tax Owed to Webb County	
— Sig	gnature of Authorized Official completing RFQ	<u>March 12, 2021</u> Date



#### **STAFFING**

### **Company Personnel Experience**

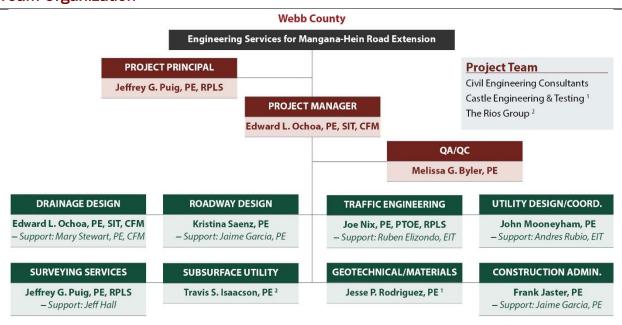
As an *employee-owned firm*, CEC has provided civil engineering and surveying services to municipalities, government agencies, and private clients for 38 years. CEC's ability to deliver quality services lies in the experience of the firm. Staff includes Licensed Professional Engineers, Registered Professional Land Surveyors, Engineers-in-Training, and technical and administrative support staff.

CEC maintains a Laredo office staffed with ten employees consisting of three Registered Professional Engineers (one is a Registered Professional Land Surveyor, and one is a Certified Floodplain Manager and a Surveyor-In-Training), four Engineers-in-Training, two design technicians, and an office administrator. The capability to perform independently is evident in our continual services provided to public and private clientele throughout the years. This branch provides surveying, engineering, planning, and construction services for a six-county region.

Our experienced professionals provide a balanced, comprehensive approach to design that understands the value of the City of Laredo's investment. Also, our team is exceptionally versed in the City of Laredo's ordinances. This knowledge can give the CEC an edge to be the best in every aspect of its mission. We pride ourselves on the experience we bring to the table to improve the quality of life in the neighborhoods and communities we serve.

Our team is a combination of Professional Engineers and Registered Professional Land Surveyors with Laredo and San Antonio personnel. Each member is familiar with the geographical area, having lived and worked in Laredo. Since we make our living in Laredo and the professional experience we have in the area, we feel that we would have higher personal regard for the project. We intend to ensure the City of Laredo receives a quality completed product directly affecting Laredo's future.

### **Team Organization**





#### **TEAM EXPERIENCE**

## EDWARD OCHOA, PE, SIT, CFM | Project Manager



#### **EDUCATION**

BS, Agricultural Engineering, Texas A&M University, 1999

#### **REGISTRATION**

Professional Engineer: Texas No. 92596

Surveyor-In-Training: Texas No. 6741

Certified Floodplain Manager: CFM No. 3133-16N

TxDOT Pre-Certified: ESN No. 14854

Local Government Project Procedures Certified

#### **EMPLOYMENT**

With CEC: 6 years Experience: 22 years

**LOCATION**Laredo, Texas

EDWARD OCHOA has more than 22 years of experience working on various land development, municipal, institutional, and transportation projects. His expertise involves extensive coordination with City and County Staff on platting, roadway design, hydrologic analysis, storm system/detention design, utility coordination/design, and grading. Mr. Ochoa has also worked on the planning and coordinating surveys and easements in urban, rural, highway, and land development settings. His responsibilities include the project management of technical staff and survey crews for all projects from planning to construction completion.

#### RELEVANT EXPERIENCE

## Emerald Industrial Park Replat and Drainage Design, Laredo, TX:

Mr. Ochoa provided the engineering services for the replat of 2 industrial lots that included the re-routing of two drainage channels into one channel. Included hydrologic analysis of over 20 acres, storm drainage system design, channel design, and extensive coordination with the adjacent property owners.

La Bota Buffer Tract, Laredo, TX: Mr. Ochoa provided the engineering services for the platting, design, and construction of over 2,500 feet of an earthen berm and an earthen channel. Services included a hydrologic analysis of over 75 acres of drainage area, channel design, berm design, and stormwater pollution prevention.

Loop 20 Stimulus Project, Webb County, TX. Mr. Ochoa provided surveying and utility coordination services to construct over 3 miles of mainlanes and overpasses. Surveying included tying all existing utilities, signs, and improvements found within the 400-foot right-of-way section along the corridor. He provided utility coordination for the relocation of several conflicts found during the process. Also provided signing and pavement markings plans for the project.

#### Various CDBG Street Improvements Projects, Jim Hogg County, TX.

Mr. Ochoa assisted with the design of street rehabilitation work and grant applications for three CDBG grant applications. The design services included roadway design, storm drainage, survey coordination, project bidding and awarding, construction oversight, and project closeout.



## JEFFREY G. PUIG, PE, RPLS | Principal/Surveying



**EDUCATION**BS, Civil Engineering,
Texas A&M University,
1994

**REGISTRATION**Professional Engineer:
Texas No. 86352

Professional Land Surveyor: Texas No. 5961

Local Government Project Procedures Certified

**EMPLOYMENT**With CEC: 14 years
Experience: 27 years

**LOCATION** Laredo, Texas **JEFFREY G. PUIG** has over 27 years of experience in civil engineering design and project management. As a native of Laredo, he knows the surrounding area, including the infrastructure, growth, operations, and personnel. His design and management experience includes

streets, drainage crossings and channels, storm sewer systems, sanitary sewer systems, water distribution systems, master planning, subdivision design, civil site design, infrastructure improvements, and utility projects.

#### **RELEVANT EXPERIENCE**

Fasken Stream Bank Erosion Project, Laredo, TX: This project involved the realignment of approximately 150 LF of the stream bed and embankment wall, including alternative gabion wall designs. Multiple wall design considerations included wrap face (geosynthetic) grid walls, wire formed walls, RSS (reinforced soil slope) walls, concrete retaining walls, and soil stabilized grid walls.

#### EG Ranch United ISD Plat – Drainage Improvements, Laredo, TX:

This project involved platting and infrastructure improvements for three Unite ISD properties. This project specifically included 1270 LF of the concrete-lined channel, with an 8' bottom width and 2:1 side slopes. Channel design features include ties to an existing box culvert, intermittent hydraulic drops, interconnecting storm sewer systems, earthen channels, utility adjustments and parallel line extensions, and surface discharge to a detention pond system design.

### United ISD Bulldog Boulevard & Mayela Drive ROW Dedication

Plat, Laredo, TX. This project extended Mayela Dr. and dedicated Bulldog Blvd. from Mayela Dr. to Del Mar Blvd. adjacent to Alexander High School. The project included deed research, topographic surveying, construction surveying, ROW acquisition, planning, roadway design, expansion of Del Mar Blvd, and a right turn lane.

**Port Drive Roadway Extension,** *Laredo, Texas.* This project involved the platting and design of approximately 0.84 miles of a 49' B/B (5 Lane) roadway through undeveloped Killam property to connect the Union Pacific Railroad with the Unitec Industrial Park. CEC was involved in planning, alignment, right-of-way acquisition, traffic, utilities, drainage, and construction surveying.



## MELISSA G. BYLER, PE | QA/QC



**EDUCATION**BS, Civil Engineering,
Texas A&M University
Kingsville, 1999

**REGISTRATION**Professional Engineer:
Texas No. 95610

TxDOT Pre-Certified: ESN No. 16824

Local Government Project Procedures Certified

**EMPLOYMENT**With CEC: 21 years
Experience: 22 years

**LOCATION**San Antonio, Texas

MELISSA G. BYLER has more than twenty years of experience working on a wide range of public works and transportation projects. Her expertise includes ensuring appropriate engineering quality control and quality assurance is completed, and necessary policies and procedures are abided by in accordance with local, state, and federal funding.

#### **RELEVANT EXPERIENCE**

Redland Road, *City of San Antonio, TX*. This project widened the existing two-lane rural roadway to a four-lane urban section with bicycle and pedestrian facilities. Ms. Byler was responsible for managing the civil and the joint bid utility design of water and sanitary sewer facilities for SAWS. The design included coordinating with TCEQ to secure WPAP and SCS permits. Ms. Byler reviewed the plans and performed quality checks to ensure compliance with final PSE deliverables.

Harry Wurzbach & Austin Highway, City of San Antonio, TX. Ms. Byler provided QA/QC services for this alternative design consisting of four ramps connecting Harry Wurzbach and Austin Hwy, controlling the intersection with a Single Point Urban Intersection (SPUI). The SPUI accomplishes the objectives at a lower cost, shorter construction duration, and less traffic disturbance. CEC coordinated with CoSA and TXDOT and special interest groups, local businesses, and residents.

Barbara Drive Drainage, *City of San Antonio, TX*. This project consisted of hydrologic and hydraulic studies to design an earthen channel sized to convey the 100-year ultimate event. Ms. Byler provided QA/QC services for the roadway and drainage design, TCP, SW3P, utility coordination, and enhancement features, including a sidewalk trail with illumination. Ms. Byler reviewed the plans and performed quality checks to ensure compliance with the final plan deliverables.

Roland Road Bridge, Bexar County, TX. Design and construction of two bridges spanning 600' over Salado Creek and reconstruct the approaches to pass the 100-year event. Ms. Byler prepared the joint bid design of water and sanitary sewer. Water design included 3,248 LF of 12" water line to connect two dead-end mains. Sewer design included 800 LF of gravity sewer main and 1,200 LF of HDPE sewer siphon crossing under the eastern branch. CEC performed technical and constructability quality reviews, and Ms. Byler was responsible for addressing review comments, ensuring quality and constructible deliverables.



## KRISTINA SAENZ, PE | Roadway Design



**EDUCATION**BS, Civil Engineering,
University of Texas San
Antonio, 2010

**REGISTRATION**Professional Engineer:
Texas No. 116984

TxDOT Pre-Certified: ESN No. 23484

Local Government Project Procedures Certified

**EMPLOYMENT**With CEC: 16 years
Experience: 16 years

**LOCATION**San Antonio, Texas

KRISTINA SAENZ has more than sixteen years of experience in the civil engineering field in design and construction management. Her transportation experience includes the design and development of roadway plans, including utility coordination and costs estimates. Her



construction management experience includes reporting on construction meetings and site observations, participating in field directives, and verifying plan and specification requirements. She also has experience with public outreach, including conducting public meetings, developing informational materials and exhibits.

#### **RELEVANT EXPERIENCE**

Redland Road, City of San Antonio, TX. This project reconstructed Redland from Loop 1604 to Jones Maltsberger and the joint-bid Bexar County project, Jones Maltsberger at Elm Creek. The improvements consisted of widening to 4 lanes with variable median, curb, and sidewalk with bike lanes. Other enhancements included a storm drain system, retaining walls, traffic signals, and joint-bid utility design. Ms. Saenz provided coordination on-field directives; verification of billing, schedule updates, inspection and testing reports; and verification of plan and specification requirements. She coordinated with the City, utilities, and stakeholders.

County Road 258, *Williamson County, TX*. This project consists of the widening of 1.7 miles of rural roadway. Ms. Saenz assisted in roadway design, hydrologic and hydraulic analysis, design of cross-drainage structures, utility coordination, and environmental coordination.

Roland Road Bridge, Bexar County, TX. Ms. Saenz was the Project Engineer for this project that consists of hydrologic and hydraulic studies for the Salado Creek Watershed, including design of two bridge structures designed for the 100-year event, design of roadway, storm drain, modifications to linear creekway trail, utility coordination, SW3P, illumination, TCP, and design of water and sanitary sewer facilities.

Tx DOT FM1560 Rehabilitation, San Antonio, TX. Ms. Saenz led the team that verified the Horizontal Alignment data and redesigned the Roadway Vertical Alignment to meet the 25-year design storm with 2-foot of freeboard and the 100-year design storm with 0.90 ft of freeboard. Designing the roadway profile required close attention to ensure access for adjacent driveways within 100 feet of the Bridge Abutments.



## JOE NIX, PE, PTOE, RPLS | Traffic Engineering



**EDUCATION**BS, Civil Engineering,
Texas A&M University,
1972

**REGISTRATION**Professional Engineer:
Texas No. 41591

Professional Traffic Operations Engineer: PTOE No. 531

Registered Professional Land Surveyor: Texas No. 4086

TxDOT Pre-Certified: ESN No. 8880

**EMPLOYMENT**With CEC: 20 years
Experience: 48 years

**LOCATION**San Antonio, Texas

JOE NIX has more than 48 years of experience with traffic control design and traffic impact analysis for land use developments, traffic counting, and traffic projections. He also has experience with commercial site developments, water and sewer distribution systems, environmental

and feasibility studies, and land surveying. He has directed various major traffic engineering studies and traffic improvement designs and has provided traffic expert witness services within Texas and Louisiana.

Throughout his career, Mr. Nix has served as a Planning & Design Engineer for the City of Austin Urban Transportation Department and the City of San Antonio Traffic Department. He manages traffic control design and analysis projects, traffic impact analysis for land development projects, special traffic control and improvement studies, including traffic signal warrant studies, traffic signal designs, and traffic channelization layouts.

#### **RELEVANT EXPERIENCE**

**2018 Bexar County On-Call Traffic Engineering Services,** *Bexar County, TX.* Mr. Nix served as Traffic Engineer for this contract, which included ten work authorizations. The team's range of traffic engineering services were traffic signal design, warrant studies (crosswalk, stop sign and signal), traffic studies, signing, pavement marking, and pedestrian crossing improvements. The team has delivered each project on time and within budget.

**Urban Intersection Improvement,** *TxDOT San Antonio, TX*. Mr. Nix provided traffic engineering for a San Antonio District study and prioritized 45 different intersection improvements. The focus was to improve safety across the board. The improvements varied from stop bar capacity to signal improvements. Twelve project locations bid for construction at the cost of \$2,758,844. The project was completed on time on a 12-month accelerated design schedule. Highlights include Bandera Rd sight distance improvements at 410 and Wurzbach Parkway deceleration lane improvements at the Toolyard exit.

Watson Road, Bexar County, TX. Mr. Nix provided traffic engineering services for Watson Road, a 2-lane rural roadway and consists of the widening of a .6-mile segment from Somerset Road to just south of the Verano Parkway. The project will include 4-12' travel lanes, drainage improvements, and bike & pedestrian amenities.



## JOHN MOONEYHAM, PE | Utility Design/Coord.



**EDUCATION**BS, Civil Engineering,
University of Texas San
Antonio, 2000

**REGISTRATION**Professional Engineer:
Texas No. 99205

TxDOT Pre-Certified: ESN No. 20595

**EMPLOYMENT**With CEC: 18 years
Experience: 21 years

**LOCATION**San Antonio, Texas

JOHN MOONEYHAM has more than 20 years of experience in designing, managing, and coordinating roadway and utility engineering projects. His utility engineering expertise includes gas pipelines, waterlines, sanitary sewer systems, including gravity systems, lift stations, force

mains, storm sewer systems, and electric and communications duct bank systems. He has experience mapping existing utility locations, developing plans for subsurface utility investigations, coordinating with utility companies, identifying conflicts, and developing recommendations plans for their resolution.

Mr. Mooneyhamis knowledgeable with TxDOT's Utility Accommodation Rules (UAR) and permitting requirements, the City of San Antonio ROW and Floodplain Permitting, and TCEQ's requirements for utility installations within environmentally sensitive areas, including the Edwards Aquifer, floodplains, and wetlands.

#### **RELEVANT EXPERIENCE**

Hausman Road Design/Build: San Antonio Water System/CPS
Energy, San Antonio, TX. Mr. Mooneyham provided the design of relocated water, gravity sanitary sewer, sanitary sewer force mains, and gas mains. This included extensive utility conflict analysis and adjustments to 8" to 42" water lines, 8" to 33" wastewater lines, and 4" to 16" gas lines. The project was partially located over the Edwards Aquifer Recharge Zone, which required submission and approval of TCEQ SCS Plans.

**Donella Drive: San Antonio Water System,** *Hollywood Park, TX.* This project included reconstruction from Highway 281 Frontage Road to Mustang Circle. The project replaced 2,900' of existing 6" and 12" water main and the relaying of 40 residential water service lines. The project included 65' of boring beneath an existing culvert crossing with a 24" steel casing pipe. The project was joint-bid and required coordination of an Interlocal Agreement between Hollywood Park and SAWS.

Commerce Road Bridge Replacement: San Antonio Water System, San Antonio, TX. Mr. Mooneyham provided utility coordination/design and storm drainage design and analysis. He was responsible for utility conflict analysis and design of a new 12" water main crossing Salado Creek. Horizontal Directional Drilling was used to install the proposed water main across Salado Creek due to unforeseen groundwater conditions, existing utility constraints, and environmental concerns.



## TRAVIS S. ISAACSON, PE | Subsurface Utility



#### **EDUCATION**

BS, Civil Engineering, Texas A&M University, 2002

**REGISTRATION**Professional Engineer:
Texas No. 100094

TxDOT Pre-Certified: ESN No. 16703

**EMPLOYMENT**With TRG: 5 years
Experience: 18 years

**LOCATION** Austin, Texas

**TRAVIS S. ISAACSON** is responsible for managing The Rios Group's (TRG) professional services throughout Central Texas. He has 18 years of experience in the civil engineering and construction fields working as a utility coordinator, utility engineer and project manager.

Travis has served as the Project Manager/Engineer on numerous Subsurface Utility Engineering projects for public and private clients.

#### **RELEVANT EXPERIENCE**

**TxDOT Corpus Christi: US 281,** *Alice, TX.* TRG was tasked to provide QLB and QLA SUE services to locate utilities within and along the existing ROW of US281 at CR 117 in Jim Wells County. TRG performed QLB SUE services on all parallel and crossing utilities for the entire 2.75-mile project, including collecting electronic depths. TRG performed 20 test holes on select utilities pending final utility conflict analysis. The final deliverables included a 2-D and 3D Microstation file depicting utilities found at the electronic depth measured in the field.

**TxDOT Corpus Christi; SH 286,** *Corpus Christi, TX.* TRG provided QLB and QLA SUE services to locate utilities within and along the existing ROW of SH 286 in Nueces County. TRG performed QLB SUE services on all parallel and crossing utilities for the entire 3.5-mile project, including collecting electronic depths. TRG will perform 30 test holes on select utilities pending final utility conflict analysis. The final deliverables included a 2-D and 3D Microstation file depicting utilities found at the electronic depth measured in the field.

Stahl Road – Flashing Beacon Mast Arm, City of San Antonio, TX. The Rios Group, Inc. (TRG), as part of this COSA On-Call Civil Engineering Services contract, provided Quality Level "A" and QL "B" SUE services in support of GKW Engineering, Inc. TRG performed QL "A" services at 2 test hole locations within the limits of the Stahl Road Flashing Beacon Mast Arm in San Antonio, TX. TRG excavated two (2) QL "A" test holes and exposed the target utilities at 3.00 ft +/- at two separate locations. TRG performed QL "B" designating Services on the target utilities for 10 feet on each side of the test hole locations. As a final deliverable, TRG provided the client with a Test Hole Summary sheet and a utility file in AutoCAD format depicting all designated utilities.



## JESSE P. RODRIGUEZ, PE | Geotechnical/Materials



**EDUCATION**BS, Civil Engineering,
University of Texas
Austin, 1979

**REGISTRATION**Professional Engineer:
Texas No. 57352

**EMPLOYMENT**With CET: 13 years
Experience: 42 years

**LOCATION** Round Rock, Texas JESSE P. RODRIGUEZ has over 42 years of experience in the civil engineering field. He has extensive experience in the geotechnical design and construction of company projects, forensic engineering, contract document negotiations, and construction management. Projects include municipal, industrial, educational, commercial, and residential. As President of Castle Engineering & Testing (CET), he is responsible for business development, company-wide management, and supervision of personnel.

#### **RELEVANT EXPERIENCE**

City Street Extensions: Lomar del Sur, Cielito Lindo, and Avenida Los Presidentes with Loop 20, Laredo, TX. CET monitored construction materials engineering and testing services. Services included testing and observations of earthwork/soils testing, reinforcing steel verification (rebar), concrete testing, structural steel observation, masonry testing, and asphaltic concrete testing. Services was performed in a manner consistent with the level of care and skill requested.

Upper Zacate Creek Hike and Bike Trail, Laredo, TX. CET monitored construction materials engineering and testing services for this project. Services included testing and observations of earthwork/soils testing, concrete testing, attending progress Meeting, and providing special inspections. Services was performed in a manner consistent with the level of care and skill requested.

Laredo International Airport: Apron Phase 6 and Realignment of

Taxiway F, Laredo, TX. CET monitored construction materials engineering and testing services. Services included testing and observations in as scheduled of earthwork/soils testing, reinforcing steel verification (rebar), concrete testing, structural steel observation, masonry testing, asphaltic concrete testing and management including progress meetings and special inspections).

World Trade International Bridge Port of Entry Hazardous Material Containment Facility, Laredo, TX. CET monitored construction materials engineering and testing services for this project. Services included testing and observations of earthwork/soils testing, concrete testing, asphaltic concrete testing, attending progress Meeting, and providing special inspections. Services was performed in a manner consistent with the level of care and skill requested by members of the project.



## FRANK JASTER, P.E. | Construction Admin



**EDUCATION**BS, Civil Engineering,
Texas A&M University,
1981

**REGISTRATION**Professional Engineer:
Texas No. 60983

TxDOT Pre-Certified: ESN No. 8551

Local Government Project Procedures Certified

**EMPLOYMENT**With CEC: 14 years
Experience: 39 years

**LOCATION**San Antonio, Texas

Mr. Jaster has over 39 years of experience construction engineering, and 17 of those years were with TxDOT. His experience includes construction material engineering; pavement design and forensic investigation services; QC/QA services; and laboratory services for compliance testing of soils, hot and warm mix asphaltic concrete, prestressing and posttensioning, and concrete construction.

Additionally, Mr. Jaster has experience in contract management; daily coordination with contractors, public, and various clients; preparation of RFIs, change orders, and other construction documents; specification preparation for various public and private projects; pavement forensics for various governmental agencies; and material testing and observation for specification conformance.

#### **RELEVANT EXPERIENCE**

Webb County ARRA Projects, Web County, TX. Mr. Jaster managed construction inspection and QA activities. ARRA required documentation forms to track labor statistics; construction pay quantities; materials sampling, testing, and reporting; compliance with guidelines for frequency of material quality testing; coordination with the County, TxDOT Construction Office, and FHWA staff; and final reporting and closeout documentation. Similar to an alternative project delivery, most if not all documentation required for ARRA funded projects are of the same level of detail.

Borgeld Road, Bexar County, TX. CEC assisted Bexar County Public Works with construction inspection services on the reconstruction of Borgfeld Road. Mr. Jaster managed a staff of two inspectors. He is also assisting Bexar County with contractor's questions. CEC provides full-time inspection including daily documentation of the contractor's work and verification that the work is in conformance with the plans and specifications. The items of work that have been inspected include culvert substructure, earthwork, grading, channel work, riprap, SW3P, utilities, WMAC placement, and signing and striping of the final pavement.

Bulverde Road at Jung Road, Bexar County, TX. CEC provided parttime construction management and full-time inspection services for the construction of a bridge type drainage under Bulverde Road which included plan constructability review.



#### **UNDERSTANDING OF PROJECT & OBJECTIVES**

CEC's approach to managing this project begins with an initial comprehensive meeting between the assigned Webb County representatives, Mr. Jeffrey G. Puig and Mr. Edward L. Ochoa. CEC's assigned project principal and project manager. During this meeting, we will inquire about the project's nature, specifics concerning the deliverables, time schedules for the project, anticipated budgets, and project limitations.

Following this initial meeting and after we have discussed our detailed understanding of the project, we will begin by visiting the Mangana-Hein Road extension with Webb County staff to go over the project's needs and issues. We will have to review the overhead and underground utilities and the drainage crossings that will have to be accounted for. We will discuss the road's primary traffic use and determine if a heavy-duty pavement section will be needed to accommodate the oil field and ranching traffic in the area. After completing a survey of the project area, we will prepare a working base CAD drawing. From here, we will begin our analysis of the best approach to complete the roadway extension. We will then prepare a preliminary roadway design schematic and meet with Webb County Staff.

Upon reviewing and accepting the schematic, we would initiate the project with an internal project team meeting. During this meeting, the specifics of the project would be discussed, person-hours and project timelines would be established, and team assignments/responsibilities would be coordinated. Following this meeting, each of the assigned

team members would begin their respective design work.

Some of the following design specifics will be addressed with our design team to ensure the project stays on schedule and within budget:

- Identifying a cost-conscious pavement section utilizing locally available materials will meet the County's design parameters, considering the traffic use of the road.
- Identify the most effective approach to facilitate the functional mobility of vehicles traveling the roadway, both during and after construction. This could include possible offset roadways, temporary roadways, shifting of the roadway off of center, reconstructing culverts, and/or rebuilding new culverts leaving the existing structure in-place.

Our design engineers know that the key to providing sound engineering design is contingent on time and effort in gathering accurate, reliable existing information on the project sites coupled with a detailed understanding of the design requirements and project parameters. Factors that our engineers consider include: addressing and understanding items such as technical requirements, unique terrain conditions, identifying utilities that may impact the design, understanding the project area, addressing possible design constraints, managing time and budget, establishing a defined work progress plan, managing changes in the project and preparing deliverables to name a few. In closing, our approach involves many levels of project management, design, and client/team coordination while maintaining our commitment to quality.



#### PROJECT EXPERIENCE

## **CDBG STREET IMPROVEMENTS, Jim Hogg County, Texas**

ORIGINAL CONST AMOUNT:	\$188,661	FINAL CONST AMOUNT:	\$200,725
PROJECT MANAGER	Edward L. Ochoa	PROJECT ENGINEER	Andres Rubio
DESIGN START	January 2019	CONST. START	October 2019
DESIGN FINISH	May 2019	CONST. FINISH	May 2020
Subconsultants	N/A	CONST TYPE:	Reconstruction

This project removed and reconstructed eight blocks of asphalt pavement within Hebbronville. The project was funded by the Texas Department of Agriculture's Community Development Block Grant (CDBG) for street rehabilitation. CEC assisted the County in the planning of the blocks that needed restoration, followed by the assessment of the level of repairs for the streets. The design



included full-depth removal of the pavement and base material, followed by the replacement of the base and pavement and the addition of curb and gutter to assist with the drainage issues. CEC provided the County with construction documents, bidding assistance, and construction management, all while following the guidelines and requirements of the CDBG grant.

## PORT DRIVE EXTENSION, City of Laredo, Texas

ORIGINAL CONST AMOUNT:	\$3.57M	FINAL CONST AMOUNT:	\$3.59M
PROJECT MANAGER	Jeffrey G. Puig	PROJECT ENGINEER	Jaime Garcia
DESIGN START	October 2013	CONST. START	February 2016
DESIGN FINISH	September 2015	CONST. FINISH	September 2017
SUBCONSULTANTS	Sam, Inc., AC Group	CONST TYPE:	New

This project designed 0.84 miles of 49' back-to-back industrial roadway through undeveloped private property with approximately 7.75 acres of land annexed within the City of Laredo for the roadway extension. The roadway was constructed to connect the Union Pacific Railroad Laredo Intermodal Facility with the Unitec Industrial Park. CEC was engaged in planning, property annexation,



platting, roadway alignment, ROW acquisition, traffic, utilities, drainage, and construction oversight. The design included the addition of several curb inlets and four major drainage crossings, three of which crossed the extension of Port Drive and one that crossed Jim Young Way leading into the Intermodal Facility. Also included was a 12" waterline extension with an industrial combination master water meter vault and concrete intersections for future industrial roadways. Concrete driveway entrances for Warren Transport and UPRR were also incorporated. CEC conducted a



detailed traffic study to alleviate traffic congestion along IH 35 and provide Union Pacific with a primary access point through the existing development.

## **COTULLA STREET PROJECT PHASE II, City of Cotulla, Texas**

ORIGINAL CONST AMOUNT:	\$3.9M	FINAL CONST AMOUNT:	\$3.9M
PROJECT MANAGER	Jeffrey G. Puig	PROJECT ENGINEER	John Mooneyham
DESIGN START	June 2013	Const. Start	February 2015
DESIGN FINISH	November 2014	CONST. FINISH	November 2016
SUBCONSULTANTS	Arias & Associates	CONST TYPE:	Reconstruction

This project involved the pavement reconstruction of 3.96 miles of roadway within the city. The project was funded in part by the City of Cotulla and the Rural Development loan assistance program. Developed in phases, CEC prepared an inventory of city streets and prepared a preliminary engineering report as part of the Rural Development loan requirements. The inventory included curbing, drainage issues, street



width, and the condition of utilities under the street. The design included the pavement reclamation and mill and overlay methods necessary to restore the pavement structural integrity and reduce the traffic impact for the residents while using the least cost method. CEC provided the City with construction documents, bidding assistance, and construction management. CEC coordinated with a geotechnical engineer to provide the bore sampling and laboratory testing which CEC used the data to develop the pavement design.

## REDLAND ROAD SOUTH, City of San Antonio, Texas

ORIGINAL CONST AMOUNT:	\$9.8M	FINAL CONST AMOUNT:	\$8.7M
PROJECT MANAGER	Melissa G. Byler	PROJECT ENGINEER	Kristina Saenz
DESIGN START	October 2012	CONST. START	March 2016
DESIGN FINISH	October 2015	CONST. FINISH	May 2018
SUBCONSULTANTS		CONST TYPE:	Reconstruction

Bender Wells Clark, CobbFendley, LNV, Maestas & Associates, Poznecki-Camarillo, Raba Kistner, Structural Engineering Associates, Traffic Operations Support Group, SWCA

This project reconstructs 0.70 miles of Redland Road, from Loop 1604 to Jones Maltsberger Road. Redland Road, a 2-lane uncurbed section, was widened to four lanes with a variable width median along the center. The 40' wide median addressed sight distance issues due to the rolling terrain. The new roadway section includes bike lanes, curb, and sidewalk. Project elements included a storm drain





system, illumination, reconstruction of driveway approaches, and operational improvements at the Loop 1604 and Redland Road intersection. The operational enhancements at Loop 1604 and Redland Road included coordination with TxDOT to upgrade traffic signals and restriping the bridge at Loop 1604 to accommodate the new lane configurations and provide pedestrians' safe crossing and bicyclists. Joint-bid utilities included installing a new gas line and adjustments to existing water and sewer utilities to clear the project improvements. CEC led the public involvement process using two-way communication to provide timely and accurate information, allowing stakeholders and the public to support wise transportation decisions.

The Bexar County Flood Control Program's Jones Maltsberger at Elm Creek Project (SC-28), located adjacent to this project, was joint designed/bid with the Redland Road project. The SC-28 project improvements include replacing the existing cross drainage culvert on Jones Maltsberger with a 4 barrel -10'x6' concrete box structure designed to pass the 100-year ultimate storm. The roadway approaches were reconstructed/widened to accommodate the new drainage structure, curb, sidewalk, and operational improvements at the Redland Road and Jones Maltsberger Road intersection.

### ROLAND AVENUE, Jim Hogg County, Texas

ORIGINAL CONST AMOUNT:	\$7.6M	FINAL CONST AMOUNT:	\$5.7M
PROJECT MANAGER	Melissa G. Byler	PROJECT ENGINEER	Kristina Saenz
DESIGN START	October 2008	CONST. START	April 2012
DESIGN FINISH	October 2011	CONST. FINISH	June 2015
Subconsultants		CONST TYPE:	Reconstruction

Halff Associates, Maestas & Associates, *Mo*rgan/Brooks Resources, Raba Kistner, RVK Architects, Structural Engineering Associates, Traffic Operations Support Group

The purpose was to road widening, control flooding, and improve safety. CEC reconstructed Roland Road at Salado Creek, which included constructing two new bridges where the East and West Branches of the Salado Creek cross Roland Road. The new bridges would be designed to pass the 100-year ultimate storm.



The existing roadway was a 22' wide rural section

with roadside ditches within a 60' wide ROW. The proposed HMAC typical section consisted of two 12' lanes with 5' wide bike lanes, curb 6' wide concrete sidewalks (2% max cross slope), and roadside ditches within a 120' wide ROW. Pedestrian railings were provided at drop-off conditions. The roadway profile was raised to accommodate the new bridges and to pass the 100-year event. The roadway was realigned to eliminate the sharp horizontal curves and improve sight distance. ROW acquisition was required. The proposed ROW was delineated to minimize impacts to adjacent properties, utilities, and sensitive environmental and historical features, including a cemetery and heritage trees.



Other improvements included modifications to the South Salado Linear Creekway Hike & Bike Trail. CEC redesigned a 10' wide concrete trail to cross under the bridge at the East Branch of Salado Creek. Maximum profile grades were limited to 5%. Also, connector trails were designed to provide connectivity between the Roland Ave sidewalks trail, and trail signage was modified for the new configuration.

Coordination with agencies required for this project's planning and design included Bexar County, the City of San Antonio, San Antonio River Authority, Federal Emergency Management Agency, Texas Department of Licensing and Regulation, Texas Commission on Environmental Quality, Texas Historical Commission, and utility agencies. This project's design was following the City of San Antonio Standard Specifications, TxDOT Standard Specifications, AASHTO, ADA, TDLR. CEC prepared the Letter of Map Revision (LOMR) and coordinated with FEMA to secure LOMR approval.



#### **REFERENCES**

#### **COTULLA STREET PROJECT**

Cotulla, Texas

#### Client Reference:

Larry Dovalina, City Administrator

City of Cotulla

117 N. Front Street

Cotulla, TX 78014

Email: larrydovalina@yahoo.com

Phone: (830) 879.2367

#### **CDBG STREET IMPROVEMENTS**

Jim Hogg County, Texas

#### Client Reference:

Juan Carlos Guerra, County Judge

Jim Hogg County

102 E. Tilly

Hebbronville, TX 78361

Email: jcguerra@co.jim-hogg.tx.us

Phone: (361) 527.3015

#### **PORT DRIVE EXTENSION**

Laredo, Texas

#### Client Reference:

**Levi Turner,** Project Manager

David Evans & Associates

1645 Greens Prairie Rd, Ste 104

College Station, TX 78045

Email: ljt@deainc.com Phone: (720) 445.1082

#### **REDLAND ROAD SOUTH**

San Antonio, Texas

#### Client Reference:

Sean Strong, City Administrator

City of San Antonio

PO Box 839966

San Antonio, TX 78283

Email: sean.strong@sanantonio.gov

Phone: (210) 207.8037

#### **ROLAND AVENUE**

Bexar County, Texas

#### Client Reference:

David Wegman, PE, Engineering Manager

Bexar County

1948 Probandt Street

San Antonio, TX 78214

Email: dwegmann@bexar.org

Phone: (210) 355.7065





## **Proposer Information**

Name of Company: _	Civil Engineering Consultants
Address:	7109 N. Bartlett Avenue, Ste 201
City and State	Laredo, Texas 78041
Phone:	956.729.7844
Email Address:	eochoa@cectexas.com
Signature of Person A	Authorized to Sign: Signature
	Edward L. Ochoa  Printed Name
	Senior Project Manager Title
Indicate status as to "	Partnership", "Corporation", "Land Owner", etc.
	Corporation
37	<u>March 12, 2021</u> (Date)

## Note:

All submissions relative to these RFQ shall become the property of Webb County and are nonreturnable. If any further information is required, please call the Webb County Contract Administrator, Juan Guerrero, at (956)523-4125.



CONFLICT OF INTEREST QUESTIONNAIRE	FORM CIQ			
For vendor or other person doing business with local governmental entity				
This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.	OFFICE USE ONLY			
This questionnaire is being filed in accordance with Chapter 176, Local Government Code by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).	Date Received			
By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the person becomes aware of facts that require the statement to be filed. See Section 176.006(a-1), Local Governmental Code.				
A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government code. An offense under this section is a misdemeanor.				
Name of vendor who has a business relationship with local governmental entity.				
Not Applicable				
2. Check this box if you are filing an update to a previously filed questionnaire. (The la updated completed questionnaire with the appropriate filing authority not later than the date on which you became aware that the originally filed questionnaire was incomplete or	7th business day after the			
3. Name of local government officer with whom filer has employment or business relations	ship.			
Not Applicable Name of Officer				
4. Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subparts A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary.				
A. Is the local government officer or a family member of the officer receiving or likely to receive than investment income, from the vendor?	eive taxable income, other			
Yes No				
B. Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the direction of the local government officer or a family member of the officer AND the taxable income is not received from the local government entity?				
Yes No				
<ol> <li>Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more.</li> </ol>				
6. Check this box if the vendor has given the local government officer or a family member of as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a-				
	n 12, 2021 Date			



Texas Department of Form H2048
Agriculture January 2008

#### **CERTIFICATION**

## REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION FOR COVERED CONTRACTS

#### PART A.

Federal Executive Orders 12549 and 12689 require the Texas Department of Agriculture (TDA) to screen each covered potential contractor to determine whether each has a right to obtain a contract in accordance with federal regulations on debarment, suspension, ineligibility, and voluntary exclusion. Each covered contractor must also screen each of its covered subcontractors.

In this certification "contractor" refers to both contractor and subcontractor; "contract" refers to both contract and subcontract.

By signing and submitting this certification the potential contractor accepts the following terms:

- 1. The certification herein below is a material representation of fact upon which reliance was placed when this contract was entered into. If it is later determined that the potential contractor knowingly rendered an erroneous certification, in addition to other remedies available to the federal government, the Department of Health and Human Services, United States Department of Agriculture or other federal department or agency, or the TDA may pursue available remedies, including suspension and/or debarment.
- 2. The potential contractor will provide immediate written notice to the person to which this certification is submitted if at any time the potential contractor learns that the certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
- 3. The words "covered contract", "debarred", "suspended", "ineligible", "participant", "person", "principal", "proposal", and "voluntarily excluded", as used in this certification have meanings based upon materials in the Definitions and Coverage sections of federal rules implementing Executive Order 12549. Usage is as defined in the attachment.
- 4. The potential contractor agrees by submitting this certification that, should the proposed covered contract be entered in to, it will not knowingly enter into any subcontract with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the Department of Health and Human Services, United States Department of Agriculture or other federal department or agency, and/or the TDA, as applicable.

P.P. Tanaza.
Do you have or do you anticipate having subcontractors under this proposed contract
□Yes
☑ No
2110



Form H2048 Page 2/01-2008

- 5. The potential contractor further agrees by submitting this certification that it will include this certification titled "Certification Regarding Debarment, Suspension, Ineligibility, and Voluntary Exclusion for Covered Contracts" without modification, in all covered subcontracts and in solicitations for all covered subcontracts.
- 6. A contractor may rely upon a certification of a potential subcontractor that it is not debarred, suspended, ineligible, or voluntarily excluded from the covered contract, unless it knows that the certification is erroneous. A contractor must, at a minimum, obtain certifications from its covered subcontractors upon each subcontract's initiation and upon each renewal.
- 7. Nothing contained in all the foregoing will be construed to require establishment of a system of records in order to render in good faith the certification required by this certification document. The knowledge and information of a contractor is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.
- 8. Except for contracts authorized under paragraph 4 of these terms, if a contractor in a covered contract knowingly enters into a covered subcontract with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transact ion, in addition to other remedies available to the federal government, Department of Health and Human Services, United States Department of Agriculture, or other federal department or agency, as applicable, and/or the TOA may pursue available remedies, including suspension and/or debarment.

## **PART B.** CERTIFICATION REGARDING DEB ARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION FOR COVERED CONTRACTS

Indicate in the appropriate box which statement applies to the covered potential contractor:

$\checkmark$	The potential contractor certifies, by submission of this certification, that neither it nor its
	principals is presently debarred, suspended, proposed for debarment, declared ineligible, or
	voluntarily excluded form participation in this contract by any federal department or agency or
	by the State of Texas.

The potential contractor is unable to certify to one or more of the terms in this certification. In
this instance, the potential contractor must attach an explanation for each of the above terms to
which he is unable to make certification. Attach the explanation(s) to this certification.

Name of Contractor/Potential Contractor	Vendor ID No. or Social Security No.	Program No.
Civil Engineering Consultants	74-2330985	
Signature of Authorized Representative		h 12, 2021 Date
Edward L Ochoa		
Printed/Typed Name and Title of	<del>.</del>	
Authorized Representative		



Texas Department of Agriculture

Form H2049 January 2008

## CERTIFICATION REGARDING FEDERAL LOBBYING (Certification for Contracts, Grants, Loans, and Cooperative Agreements)

#### PART A. PREAMBLE

Federal legislation, Section 319 of Public Law IO1-121 generally prohibits entities from using federally appropriated funds to lobby the executive or legislative branches of the federal government. Section 319 specifically requires disclosure of certain lobbying activities. A federal government-wide rule, "New Restrictions on Lobbying", published in the Federal Register, February 26, 1990, requires certification and disclosure in specific instances.

#### PART B. CERTIFICATION

This certification applies only to the instant federal action for which the certification is being obtained and is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$100,000 for each such failure.

The undersigned certifies, to the best of his or her knowledge and belief, that:

- 1. No federally appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with the awarding of any federal contract, the making of any federal grant, the making of any federal loan, the entering into of any cooperative agreement, or the extension, continuation, renewal, amendment, or modification of any federal contract, grant, loan, or cooperative agreement.
- 2. If any funds other than federally appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with these federally funded contract, subcontract, subgrant, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying", in accordance with its instructions. (If needed, contact the Texas Department of Agriculture to obtain a copy of Standard Form-LLL.)



Form H2049 Page 2/01-2008

contracts under grants, loans, a will certify and disclose accord	-	erative agreements) and th	nat all covered subrecipients
Do you have or do you anticipate having  ☐ Yes	ng covere	ed subawards under this tr	ansaction?
☑ No			
Name of Contractor/Potential Contractor	<b>Vendor</b> ID	No. or Social Security No.	Program No.
Civil Engineering Consultants	74-23309	985	
Name of Authorized Representative		Title	
Edward L. Ochoa		Senior Project Manager	
Elen R. Ochon	<u>ر</u>	<u> Ma</u>	rch 12, 2021
Signature - Authorized Representative			Date

3. The undersigned shall require that the language of this certification be included in the award documents for all covered subawards at all tiers (including subcontracts, subgrants, and



# WEBB COUNTY PURCHASING DEPT. QUALIFIED PARTICIPATING VENDOR CODE OF ETHICS AFFIDAVIT FORM

STATE OF TEXAS *
KNOW ALL MEN BY THESE PRESENTS:  COUNTY OF WEBB *
BEFORE ME the undersigned Notary Public, appeared Edward L. Ochoa the herein-named "Affiant", who is a resident of Webb County, State of Texas and upon his/her respective oath, either individually and/or behalf of their respective company/entity, do hereby state that I have personal knowledge of the following facts, statements, matters, and/or other matters set forth herein are true and correct to the best of my knowledge.
I personally, and/or in my respective authority/capacity on behalf of my company/entity do hereby confirm that I have reviewed and agree to fully comply with all the terms, duties, ethical policy obligations and/or conditions as required to be a qualified participating vendor with Webb County, Texas as set forth in the Webb County Purchasing Code of Ethics Policy posted at the following address: <a href="http://www.webbcountytx.gov/PurchasingAgent/PurchasingEthicsPolicy.pdf">http://www.webbcountytx.gov/PurchasingAgent/PurchasingEthicsPolicy.pdf</a>
I personally, and/or in my respective authority/capacity on behalf of my company/entity do hereby further acknowledge, agree and understand that as a participating vendor with Webb County, Texas on any active solicitation/proposal/qualification that I and/or my company/entity failure to comply with the Code of Ethics policy may result in my and/or my company/entity disqualification, debarment or make void my contract awarded to me, my company/entity by Webb County. I agree to communicate with the Purchasing Agent or his designees should I have questions or concerns regarding this policy to ensure full compliance by contacting the Webb County Purchasing Dept. Via telephone at (956) 523-4125 or e-mail to the Webb County Purchasing Agent to oel@webbcountytx.gov.
Executed and dated this 12 <sup>th</sup> day of March, 2021.  Signature of Affiant
Edward L Ochoa Printed Name of Affiant/Company/Entity
SWORN to and subscribed before me, this 12th day March , 20 21
ELVIA GARCIA ID #124016661 My Commission Expires NOTARY PUBLIC, STATE OF TEXAS



## PROOF OF NO DELINQUENT TAXES OWED TO WEBB COUNTY

NameCounty.	owes no delinquent property taxes to Webb
Civil Engineering Consultants County. (Business Name)	owes no property taxes as a business in Webb
(Business Owner)	owes no property taxes as a resident of Webb County
Person who can attest to the above informa	
* SIGNED NOTARIZED DOCUMEN TO WEBB COUNTY.	T AND PROOF OF NO DELINQUENT TAXES
The State of Texas County of Webb Before me, a Notary Public, on this day perme (or proved to me on the oath of	sonally appeared <u>Edward L. Ochoa</u> , know to <u>x</u> to be the person whose name d acknowledged to me that he executed the same for the d.
Given under my hand and seal of office this	s <u>12th</u> day of <u>March</u> 20 <b>2</b> [.
Notary Public, State of Texas	
ELVIA GARCIA ID #124016661 My Commission Expires April 24, 2022	Print name of Notary Public here)
My commission expires the <u>34</u> day	of AP(1) 20.22

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