

ADDENDUM NO. 4

CITY OF SAN ANTONIO TRANSPORTATION & CAPITAL IMPROVEMENTS

PROJECT NAME: **REDLAND ROAD SOUTH (1604 TO JONES MALTSBERGER)**

DATE: 12/08/2015

ADDENDUM NO. 4

This addendum should be included in and be considered part of the plans and specifications for the name of the project. The contractor shall be required to sign an acknowledgement of the receipt of this addendum and submit with their bid. Where provisions of the following supplementary data differ from those of the original Construction Documents, the Addendum shall govern and take precedence.

TCI PROJECT NO.: **40-00313**

PRE-BID MEETING MINUTES AND QUESTIONS ARE ATTACHED.

POST PRE-BID MEETING QUESTIONS ARE ATTACHED.

CHANGES TO PLANS:

1. Substitute and utilize "ROADWAY SUMMARY" (Sheet No. 18)
 - a. Revised quantities for Item 6004 Utility Pole Bracing
2. Substitute and utilize "ESTIMATED QUANTITIES" (Sheet No. 14)
 - a. Revised quantities for Item 6004 Utility Pole Bracing under Redland Road COSA Items
 - b. Added Item 6004 under Jones Maltsberger Base Bid and quantities Item 6004
3. Substitute and utilize "TREE PRESERVATION PLAN" (Sheet No. 190)
 - a. Added preservation notes at Jackson lot adjacent to driveway located at approximately Station 25+75.00.

REVISED 025 FORM FOR THE ADDITIONAL POLE BRACING QUANTITIES DISCUSSED BELOW FOR REDLAND ROAD SOUTH & JONES MALSBERGER:

CLARIFICATION TO ITEM 6004 UTILITY POLE BRACING:

The overhead AT&T utility adjustments will not be completed and the existing utility poles within the work area will not be removed prior to the commencement of the Redland Road South Project. This will require the contractor to work around the AT&T overhead lines and utility poles during the initial phases of construction. Any delays or inefficiencies caused by these temporary utility conflicts must be incorporated into the bid pricing per each affected bid item. It is expected that the overhead AT&T utility adjustments will be removed by July 31, 2016. Due to the temporary AT&T utility conflicts, the pole bracing quantity will be added to the bid proposal to cover the cost for bracing poles that will be required to install other underground utilities in the vicinity of the existing utility poles.

Per the 12/07/2015 field assessment, there are a number of existing (EXIST) and newly installed (PROP) poles that may require bracing due to AT&T facilities mentioned above or close proximity with proposed features and excavation. The table below indicates the locations of concern. City Inspector will be advised to document and verify installation of pole bracing prior to payment being made. Potential Pole Bracing Locations are as follows:

REDLAND RD		
DESCRIPTION (EXIST / PROP)	STATION	OFFSET
SERV POLE (EXIST)	12+23.64	82.39' (LT)
OH ELEC (EXIST)	12+33.48	59.04' (LT)
OH ELEC (EXIST)	12+56.64	48.86' (LT)
OH ELEC (EXIST)	13+11.08	37.34' (LT)
OH ELEC (EXIST)	13+59.01	29.23' (LT)
OH ELEC (PROP)	12+83.91	41.68' (RT)
OH ELEC (PROP)	13+88.89	42.27' (RT)
OH ELEC (EXIST)	14+75.61	29.36' (LT)
OH ELEC (EXIST)	14+76.99	29.40' (RT)
OH ELEC (EXIST)	15+65.85	26.99' (RT)
OH ELEC (PROP)	15+61.46	41.93' (RT)
OH ELEC (EXIST)	16+65.34	28.83' (RT)
OH ELEC (PROP)	16+69.70	41.69' (RT)
OH ELEC (EXIST)	16+97.71	26.96' (LT)
OH ELEC (PROP)	18+01.38	42.46' (RT)
OH ELEC (EXIST)	19+04.42	29.20' (LT)
OH ELEC (PROP)	19+25.26	42.21' (RT)
OH ELEC (EXIST)	19+32.20	29.01' (LT)
OH ELEC (PROP)	19+48.56	42.25' (RT)
OH ELEC (EXIST)	19+57.69	29.10' (RT)
OH ELEC (PROP)	20+78.68	41.60' (RT)
OH ELEC (EXIST)	20+85.16	29.13' (RT)
OH ELEC (EXIST)	21+38.87	28.69' (RT)
OH ELEC (PROP)	21+46.33	41.86' (RT)
OH ELEC (EXIST)	23+29.86	29.09' (LT)
OH ELEC (EXIST)	23+77.34	29.69' (RT)
OH ELEC (EXIST)	24+96.15	29.26' (LT)
OH ELEC (PROP)	25+84.74	64.68' (RT)
OH ELEC (PROP)	26+36.81	41.92' (RT)
OH ELEC (EXIST)	26+57.57	29.75' (LT)
OH ELEC (PROP)	28+13.91	41.83' (RT)

REDLAND RD		
DESCRIPTION (EXIST / PROP)	STATION	OFFSET
OH ELEC (EXIST)	28+24.84	31.39' (LT)
OH ELEC (PROP)	29+60.66	42.09' (RT)
OH ELEC (EXIST)	29+93.08	30.30' (LT)
OH ELEC (EXIST)	31+56.62	27.26' (LT)
OH ELEC (PROP)	31+57.72	68.79' (LT)
OH ELEC (EXIST)	33+16.83	28.39' (LT)
OH ELEC (EXIST)	34+77.36	27.77' (LT)
OH ELEC (EXIST)	36+18.18	27.82' (RT)
OH ELEC (EXIST)	36+40.47	27.25' (LT)
OH ELEC (EXIST)	39+66.97	27.88' (LT)
OH ELEC (EXIST)	40+11.47	31.01' (RT)
OH ELEC (EXIST)	40+59.96	27.07' (LT)
OH ELEC (EXIST)	41+26.36	27.54' (LT)
OH ELEC (EXIST)	41+29.18	27.36' (LT)
OH ELEC (EXIST)	42+32.06	48.31' (RT)
OH ELEC (EXIST)	42+87.80	33.81' (RT)
OH ELEC (EXIST)	42+94.28	28.75' (LT)
OH ELEC (PROP)	42+95.38	42.14' (LT)
OH ELEC (EXIST)	44+94.32	29.10' (LT)
OH ELEC (EXIST)	46+94.33	28.09' (LT)
OH ELEC (EXIST)	47+52.91	29.29' (LT)
OH ELEC (EXIST)	47+77.50	32.89' (LT)
OH ELEC (EXIST)	48+58.21	54.66' (LT)
OH ELEC (PROP)	48+72.91	44.30' (LT)
OH ELEC (EXIST)	48+74.66	46.16' (LT)
OH ELEC (EXIST)	48+94.46	41.56' (LT)
JONES MALTSBERGER RD		
OH ELEC (PROP)	170+49.05	41.64' (RT)
OH ELEC (EXIST)	170+55.07	23.55' (RT)
OH ELEC (EXIST)	170+69.32	41.68' (RT)
OH ELEC (EXIST)	172+07.81	27.63' (RT)

Note: Addenda Acknowledge Form for Addendum No. 4 is attached herein. This form must be signed and submitted with the bid package.

**CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS**

RECEIPT OF ADDENDUM NUMBER(S) **4** IS HEREBY ACKNOWLEDGED FOR PLANS AND SPECIFICATIONS FOR CONSTRUCTION OF **REDLAND ROAD SOUTH (1604 TO JONES MALTSBERGER) – 40-00313**

FOR WHICH BIDS WILL BE OPENED ON **TUESDAY, DECEMBER 15, 2015 AT 2:00 PM**

THIS ACKNOWLEDGEMENT MUST BE SIGNED AND RETURNED WITH THE BID PACKAGE.

Company Name: _____

Address: _____

City/State/Zip Code: _____

Date: _____

Signature

Print Name/Title



CIVIL ENGINEERING CONSULTANTS
DON DURDEN, INC.
SAN ANTONIO • LAREDO
TEXAS FIRM REGISTRATION NUMBERS
ENGINEERING F-2214 & SURVEYING 100410

PRE-BID MEETING MINUTES & QUESTIONS

Subject: Redland Road South #40-0313
Limits: From Loop 1604 to Jones Maltsberger Road
Date/Time: Tuesday, December 1, 2015 / 10:00 a.m. – 11:00 a.m.
Place: Municipal Plaza Building, 5th Floor Conference Room
Attendees: (See Attached Sign-in Sheet)
Prepared by: Kristina Saenz (CEC)

I. Introductions – See Sign In Sheet.

II. Contracts Requirements/Expectations

A. Contracts –

1. Invite for Bid/ Low Bid contract
2. 450 Calendar days
3. Estimated Construction Cost: \$9M
4. Liquidated Damages is \$1,300 Substantial Completion/ \$970 Final Completion
 - a) Note: Special section in Liquidated Damages that requires Jones Maltsberger work to be completed in the summer only, between June 6th to August 14th. When re-opening Jones Maltsberger, two way traffic must be available to eliminate Liquidated Damages for that section.
5. Required Forms with original signatures:
 - a) 010 Invitation for Bid Form
 - b) 020 Bid Form
 - c) 025 Unit Pricing Form
 - d) SBEDA Utilization Form
 - e) Bid bonds are required for no less than 5% of the greatest bid proposal payable without resources to order of the City of San Antonio of Texas
 - f) Restrictions on communications: Responders are prohibited from communication with City Staff or City Officials regarding this solicitation with the exception of contacting the SBEDA staff for assistance.
 - g) Any questions or concerns regarding this solicitation should be directed to the Project Manager Sean Strong by the deadline of **Friday, December 4th, 2015 by 4:00pm**. Questions received in the Pre-Bid meeting and before the above deadline will be answered

via Addendum. Find the post meeting information on the City of San Antonio website.

6. Submission of Bid Proposals:

- a) **All Submittals Due Dec 15th, 2015 at 2:00pm** and will be read aloud in City Council Chambers at 114 W. Commerce, Municipal Plaza Building.
- b) Hand deliver to the Office of the City Clerk, City Hall, 100 Military Plaza, 2nd floor San Antonio, Tx 78205

B. Labor Compliance

1. Wage Decision 01/02/2015 will be utilized for this project
2. Wage Decision needs to be posted at the job site
3. CoSA observes 7 holidays. Any employees working on these Holidays need to be paid time and a half
4. Any work over 40 hours per week is required to be paid time and a half.
5. Employees must be paid under the correct classification.
6. Contractor is responsible for Certified payroll for all employees on site, including subcontractors payroll. Contractor required to ensure all workers are getting paid the minimum rate and must be submitted under the LCP Tracker system.
7. Apprentices must be participating in the US Department of Labor Apprentices program.
8. Day Laborers are not allowed. All employees must be paid hourly rates.
9. CoSA Labor Compliance will make site visits and conduct interviews to verify employees are being paid under the correct classification. Restitution will need to be paid for employees that are underpaid. A \$60 penalty will also be assessed.

C. SBEDA

1. 19% Minority/Women – Owned Business Enterprise (M/WBE)
2. 2% of the 19% M/WBE subcontracting goal is to be subcontracted to AABE firms.

III. Project Team

A. City Project Team:

1. Back Ground:
 - a) Base Bid work is Redland Road South from Loop 1604 to Jones Maltsberger and includes a section of Jones Maltsberger east of Redland to Redhorse.
 - b) Additive Alternative is the Ultimate Build Out and wider typical section through the Jones Maltsberger portion.
 - c) Anticipated Award date is Febraury 2016 to start construction dependent on utilities.

B. Consultant: Civil Engineering Consultants.

IV. Comments from Utilities

- A. CPS Electric has some underground work to wrap up in the next 2 weeks and remaining pole work should be another week.

- B. AT&T is taking everything underground and is starting the installation of the underground conduit structure in December and will still need to complete the cabling and splicing. Limited possibility for February completion.
 - 1. The City may allow for a start delay up to 120 days to account for AT&T completion. Contractors are also being advised to account for existing pole conflicts and potential inefficiencies within the schedule as the poles may not be removed until July 2016. Pole Bracing item is in the Base Bid plan to utilize as needed.
- C. TWC adjustments are complete.
- D. SAWS has joint bid water and sewer work in both sections of the project. The water line work is mainly capping with some minor line adjustments, fire hydrant adjustments, and service connections. The sewer work is primarily manhole adjustments.
- E. CPS Gas is joint bid and is the first construction phase. The subcontractor will need to take the existing poles and potential conflicts in to account for bracing. Advise subcontractor to use the "Utility Pole Bracing" item from the Base Bid.

V. Comments from City Staff

- A. PM Team
 - Noted that Geotechnical Report is included in the Project Specification Book
 - 1. Traffic Control/Phasing
 - a) Existing Utility Pole concerns from above
 - b) Required to close Jones Maltsberger during the summer months and timing is tied to Liquidated Damages. Allowable closure dates are between June 6, 2016 to August 14, 2016 for both the Base Bid and Additive Alternative options and is based on completing the work before school traffic is in effect.
 - 2. Addendum 1 – Start Date/Utility Delay Specification
 - 3. Addendum 2 – Revised 020 Bid Form
 - 4. Addendum 3 – Revised 025, CPS Gas Plans, Electric Services Specifications, and Revised Stormwater Treatment Unit Specification
 - 5. TxDOT Permit will be required for the work at Loop 1604
 - 6. The City is currently working on the SCS and WPAP Permitting
- B. Traffic – Not Available
- C. Storm Water – Not Available
- D. Environmental – Not Available
- E. Inspections
 - 1. Contractors required to have permit from ROW prior to ground breaking. Permit is free and allows the contractor priority to ROW. ROW/Easement will be written for the duration of the project. Inspector Adrian Gonzalez will verify permit and expiration in field.
 - 2. Once the project is awarded, the contractor will need to contact CPS to initiate the 90 day process of getting power to the field office. Groundbreaking is not allowed without power to the field office.

3. Contractor's superintendent should be onsite at all times and superintendent should not be assigned any other projects while on this City project.
- F. Tree Arborist – Standard Tree permit that requires call to Arborist prior to construction.
- G. CPO – Public meeting February 2016 dependent on official Notice to Proceed. Area has a high level of interest based on the residents and local businesses and traffic. City expects contractor to respond to concerns and questions during construction promptly.
- H. Additional Comments:
1. East ROW has been cleared of trees and brush only to provide clearances for installation of proposed utilities only.
 2. Contractor required to have specific SW3P certification on all projects as of January 1, 2016. Course is required and will include inspections every 7 days.
 3. This will be a 6 day work week project which spans from sunrise to sundown.
 4. Traffic Control will be required to be two-way control unless otherwise stated by the plan details.
 5. Reference New Soil Policy for requirements on relocating project soils and a minimum of 3 haul off sites .
 6. Schedule will be required to be in program compatible with the City's program and should be a P5 or higher. The awardee will receive a template with built in calendars. A schedule will be required at the Pre-Con meeting and should be based on activities and not bid items. Thomas is available for questions, if necessary.

VI. Pre-Bid Meeting Questions:

1. Q: Is the embankment quantified from ROW to ROW, including just the street and ditches? Do the embankment quantities include the topsoil?
 - A. Embankment quantities do include everything from ROW to ROW. Including the ditch sections and fill on the east side. The 4" of topsoil is not included in the embankment quantity.
2. Q: Does the City want the removed fences to be returned or do they become property of the contractor after removal?
 - A. The City does not want the fence material, however, some fences may require to be adjusted or relocated.
3. Q: Are there quantities for the moving or relocating CTBs?
 - A. The City Specification addresses installation, relocation, and removal of CTB. Each phase treats CTB as new sections.
4. Q: Is there a break out of the Engineer's Estimate?
 - A. No, there is no break out and does include the Additive Alternate items.
5. Q: Is there an opportunity to deviate from the specified embankment material?
 - A. No, embankment material is required to meet specification, however, if lime treating is found to be unnecessary in construction, the City may review and give additional field directives.

6. Q: Are there Federal Funds related to this project?
A. No, City Bond funds and Bexar County funds only.
7. Q: Is there a schedule available for this project?
A. No, the City will not provide a schedule.

VII. Adjourn

Attachments:

Sign In Sheet

PRE-BID MEETING



December 1, 2015

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

Redland Road South (1604 to Jones Maltsberger) #40-00313

NAME	ORGANIZATION	PHONE	EMAIL
Rick Hale	J3 Company	210-669-1458	info@J3Co.com
CARLOS BENAVIDES	HARPER BROTHERS CONST.	210-740-0099	bids@Harperbro.com
Erick Garza	STLOUIS Construction	210-310-9998	RoseR@STLouis.com
JOHN MOONEYHAM	CEC	210-641-9997	JMOONEYHAM@CECTEXAS.COM
Roberto Munoz	Jordan Foster Const.	210-463-9990	munoz@jordanfosterconstruction.com
Francisco Valdez	TCL Contracts	210-887-8753	Francisco.Valdez@sanantonio.gov
IRIS PUA	Bander Wells Clark	210-692-9221	iris@bwcdesign.com
David Palacios	TCT Contracts	202-207-2099	david.palacios@sanantonio.gov
SEAN STRONG	TCL-HORIZONTAL	210-207-8037	sean.strong@sanantonio.gov
Rolando Luma	TCL-Horizontal	207-2814	Rolando.Luma@sanantonio.gov
Kristina Saenz	CEC	210-41-9999	ksaenz@cectexas.com
Melissa E. Byler	CEC	210-641-9999	mbyler@cectexas.com
KYAN DETRY	E-Z BEL CONST.	210-736-6595	KYANDETTRY@EZBEL.COM
JESSE MENCHACA	E-Z BEL CONST	210-417-2756	JESSEM@EZBEL.COM
Thomas Gonzalez	TCL	207-1328	TCL.schedules@sanantonio.gov
Troy Warner	CAPITAL EXCAVATION	(512) 844-3093	cbatkin@capitalexcavation.com
Luis Maltos	TCL	207-8223	luis.maltos@sanantonio.gov
JOSE LUIS DAVALO	SC7	(210) 825-5677	jdavalo@sc7Ltd.com
JOE DOEFW	TCL	207. 8415	joe.doefw@sanantonio.gov
Jason Scheppers	Muestras & Assoc.	366-1988	jscheppers@muesce.com

PRE-BID MEETING



December 1, 2015

CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL IMPROVEMENTS

Redland Road South (1604 to Jones Maltsberger) #40-00313

NAME	ORGANIZATION	PHONE	EMAIL
Gino Macias	Macias & Associates Land Surveyors	512-442-7875	gino.macias@macsuru.com
JAMES C. Wucinski	20214	207-7042	james.wucinski@sanantonio.gov
Manuel De la Torre	TCI	912-1317	Manuel.DELATorre@SanAntonio.gov
Edrian Gonzalez	TCI	294-4032	Edrian.Gonzalez@sanantonio.gov

<u>Name</u>	<u>Phone</u>	<u>Organization</u>	<u>Email</u>
Melvin Lary	210-735-9202	SEA	mlary mlary@seatx.com
Claudia Tarr	210-353-2224	CPS	cvalles-terra@cpsenergy.com
David Costales	210-641-9999	CEC	dcostales@cectexas.com



CIVIL ENGINEERING CONSULTANTS
DON DURDEN, INC.
SAN ANTONIO • LAREDO
TEXAS FIRM REGISTRATION NUMBERS
ENGINEERING F-2214 & SURVEYING 100410

POST PRE-BID MEETING QUESTIONS

Subject: Redland Road South #40-0313
Limits: From Loop 1604 to Jones Maltsberger Road
Prepared by: Kristina Saenz (CEC)

I. Post – Meeting Questions:

1. Q: Can the driveway item numbers used on the Addendum #3 be verified?
 - A. The item numbers on the cover sheet of Addendum# 3 are miss typed as:
 - i. 530.1 PORTLAND CEMENT CONCRETE DRIVEWAYS” and 530.2 PORTLAND CEMENT CONCRETE DRIVEWAYS – COMMERCIAL”
 - ii. And should be:
503.1 PORTLAND CEMENT CONCRETE DRIVEWAYS” and 503.2 PORTLAND CEMENT CONCRETE DRIVEWAYS – COMMERCIAL”
2. Bid Item 5080.1 Relocating Precast Concrete Fence. Where is the concrete fence being relocated to? How many LF of fence is being relocated?
 - A. Per the Special COSA Specification, “shall be relocated approximately one ft south within an existing AT&T easement”. The Special Specification for additional details. The item is expected to be estimated at a lump sum and not per linear foot. The amount of linear foot of fence relocation is approximately 25 feet.
3. Sheet 285 of the plans shows the pipe bedding and backfill detail. The initial backfill item 400.3.E.2.9-E. I am having trouble finding that spec.I follow to 400.3.E which is “backfilling”, but then do not see a 2.9-E. Can you please clarify. I am looking at the June 2008 COSA – Specs
 - A. There appears to be an error in the COSA standard. The materials we are willing to use for backfill conform to sections 400.3.E.2.b-d. Which states the acceptable backfill materials are cement stabilized sand, flowable fill or select fill or flexbase.
4. Can you please provide a schedule? I know it was mentioned in the pre-bid that one might be available.
 - A. There is no schedule available for this project.

ESTIMATED STREET AND DRAINAGE QUANTITIES

ITEM #	DESCRIPTION	UNIT	ESTIMATED QUANTITIES	FINAL QUANTITIES	ITEM #	DESCRIPTION	UNIT	ESTIMATED QUANTITIES	FINAL QUANTITIES
REDLAND RD COSA ITEMS					JONES MALTSBERGER BASE BID COSA ITEMS				
4000.1	JELLYFISH WQ UNIT JF6-4-1	EA	1		100.1	MOBILIZATION	LS	1	
4000.1	JELLYFISH WQ UNIT JF8-7-2	EA	1		100.2	INSURANCE & BOND	LS	1	
5080.1	RELOCATING PRECAST CONCRETE FENCE	LS	1		101.1	PREPARING RIGHT OF WAY	LS	1	
6004	UTILITY POLE BRACING	EA	57		104.1	STREET EXCAVATION	CY	241	
9000.1	PLANTING AREA PREPARATION	SF	4861		106.1	BOX CULVERT EXCAVATION & BACKFILL (< 600 C.Y.)	CY	427	
9000.2	SOIL MIX AT PLANTING AREAS - 12" DEPTH	CY	183		107.1	EMBANKMENT (FINAL)(DENS CONT)(TY B)	CY	2842	
9000.3	PLANT MATERIAL (4" POT)	EA	140		108.1	LIME TREAT. SUBGRADE (6" COMPACTED DEPTH)	SY	2019	
9000.4	PLANT MATERIAL - 1 GAL	EA	575		108.2	LIME	TON	15	
9000.5	PLANT MATERIAL - 3 GAL	EA	97		202.1	PRIME COAT	GAL	202	
9000.6	MULCH - 4" DEPTH	CY	62		203.1	TACK COAT	GAL	181	
9002.1	TOPSOIL AT GRASS AREAS - 4" DEPTH	CY	10		205.2	HMAC PAVMT, TY B (6" COMP DEPTH)	SY	2019	
9002.2	TURF GRASS - SOD	SY	71		205.3	HMAC PAVMT, TY C (SURF)(3" COMP DEPTH)	SY	1803	
9003.1	LANDSCAPE MAINTENANCE (90 DAY)	LS	1		306.1	STRUCTURAL EXCAVATION (WINGWALLS)	CY	45	
9004.1	COBBLE A	CY	377		307.1	CONCRETE STRUCTURE (HEADWALLS OR OUTFALL STRUCTURES)	CY	11	
9004.2	COBBLE B	CY	84		307.1	CONCRETE STRUCTURE (ABUTMENTS & WINGWALLS)	CY	121	
9004.3	COBBLE C	CY	540		307.5	CONCRETE STRUCTURE (MISCELLANEOUS)(SIDEWALK BRIDGE)	EA	1	
9004.4	COBBLE D	CY	623		309.1	PRECAST REINFORCED CONCRETE CULVERT (10' x 7')	LF	305	
9005.1	BOULDER A	EA	27		500.1	CONCRETE CURBING	LF	1116	
9005.2	BOULDER B	EA	45		502.1	CONCRETE SIDEWALKS	SY	346	
9005.3	BOULDER C	EA	24		505.1	CONCRETE RIPRAP (5" THICK)	SY	435	
9006.1	WEED CONTROL/FILTER FABRIC	SY	6424		508.1	RELOCATING WIRE FENCE	LF	135	
1100	SEPTIC SYSTEM INSTALLATION	LS	1		515.1	TOPSOIL	CY	313	
TXDOT ITEMS					517.1	COMBINATION RAIL TYPE C223	LF	171	
531 2010	CURB RAMPS (TY 7)	EA	4		516.1	BERMUDA SODDING	SY	1426	
531 2017	CURB RAMPS (TY 21)	EA	1		516.2	ST AUGUSTINE SODDING	SY	1426	
644 2060	REMOVE SM RD SN SUP & AM	EA	7		530.1	BARRICADES, SIGNS AND TRAFFIC HANDLING	LS	1	
662 2064	WK ZN PAV MRK REMOV (W) 4" (BRK)	LF	170		531.XX	R2-1 SPEED LIMIT (30"X36")(HIGH DENSITY)	EA	1	
662 2067	WK ZN PAV MRK REMOV (W) 4" (SLD)	LF	28945		531.XX	S1-1 ADVANCE SCHOOL CROSSING (36"X36")	EA	1	
662 2072	WK ZN PAV MRK REMOV (W) 8" (BRK)	LF	48		535.XX	W8-15 WATCH FOR WATER ON ROAD (36" X 36")	EA	2	
662 2075	WK ZN PAV MRK REMOV (W) 8" (SLD)	LF	62		535.1	4 INCH WIDE YELLOW LINE (< 100,000 LF)	LF	1470	
662 2079	WK ZN PAV MRK REMOV (W) 24" (SLD)	LF	100		535.2	4 INCH WIDE WHITE LINE (< 30,000 LF)	LF	203	
662 2099	WK ZN PAV MRK REMOV (Y) 4" (SLD)	LF	32044		535.4	8 INCH WIDE WHITE LINE	LF	352	
677 2001	ELIM EXT PAV MRK & MRKS (4")	LF	86		535.7	24 INCH WIDE WHITE LINE (< 1,500 LF)	LF	249	
677 2003	ELIM EXT PAV MRK & MRKS (8")	LF	1455		535.8	RIGHT WHITE ARROW	EA	2	
677 2007	ELIM EXT PAV MRK & MRKS (24")	LF	801		535.9	LEFT WHITE ARROW	EA	2	
677 2008	ELIM EXT PAV MRK & MRKS (ARROWS)	EA	11		535.12	WORD "ONLY"	EA	2	
677 2018	ELIM EXT PAV MRK & MRKS (WORDS)	EA	4		535.22	MEDIAN NOSE YELLOW	EA	1	
772 2003	POST AND CABLE FENCE (NEW INSTALLATION)	LF	280		535.XX	24 INCH WIDE YELLOW LINE	LF	6	
6000 6024	REPLACE ROADWAY ILLUM ASSEMBLY (LED)	EA	1		537.6	TRAFFIC BUTTON (TYPE I-C)	EA	22	
	CONTRACTOR FORCE ACCOUNT:	LS	1		537.8	TRAFFIC BUTTON (TYPE II A-A)	EA	88	
	POLICE OFFICERS				537.9	TRAFFIC BUTTON (TYPE II C-R)	EA	3	
					540.1	ROCK FILTER DAMS (INSTALL/REMOVE) (TYPE 3)	LF	120	
					540.1	CURB INLET GRAVEL FILTERS	LF	40	
					550.1	TRENCH EXCAVATION SAFETY PROTECTION	LF	76	
					554.1	EROSION CONTROL MATTING	SY	139	
					801.1	LEVEL I PROTECTIVE FENCING	LF	170	
					801.2	LEVEL II A PROTECTIVE FENCING	LF	136	
					801.3	LEVEL II B PROTECTIVE FENCING (TRUNK PROTECTION)	EA	4	
					802.1	LEVEL I PRUNING, SOIL AMENDMENT, AND FERTILIZATION	EA	5	
					6004	UTILITY POLE BRACING	EA	4	
TXDOT ITEMS					465 2110	INLET (COMPL)(ARMOR CURB SLOT)	EA	2	
					644 2060	REMOVE SM RD SN SUP & AM	EA	1	
					677 2001	ELIM EXT PAV MRK & MRKS (4")	LF	340	
					677 2003	ELIM EXT PAV MRK & MRKS (8")	LF	120	
					677 2007	ELIM EXT PAV MRK & MRKS (24")	LF	152	
					677 2008	ELIM EXT PAV MRK & MRKS (ARROWS)	EA	3	
					677 2018	ELIM EXT PAV MRK & MRKS (WORDS)	EA	2	

ADDENDUM NO. 4
MODIFIED QUANTITY FOR REDLAND UTILITY POLE BRACING AND ADDED THE ITEM TO THE JONES MALTSBERGER BASE BID.

CC
DON DURDEN, INC.
d.b.a. CIVIL ENGINEERING CONSULTANTS
11550 IH 10 WEST, SUITE 395
SAN ANTONIO, TEXAS 78230-1037
TEL: (210) 641-9999
FAX: (210) 641-6440
REGISTRATION #F-2214
CEC PROJECT NUMBER: E0419900



CITY OF SAN ANTONIO
TRANSPORTATION & CAPITAL
IMPROVEMENTS

REDLAND ROAD

ESTIMATED QUANTITIES

SHEET 2 OF 2			
SUBMITTAL	PROJECT NUMBER	DATE	
100% PS&E	E0419900	12/8/2015	
DRWN BY:	DSGN BY:	CHKD BY:	SHEET NO.
			14

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		COSA ITEMS																		
SHT. NO	STATION TO STATION	100.1	101.1	103.X	103.4	104.1	107.1	108.1	108.2	202.1	203.1	205.2	205.3	205.3	205.4	208.1	307.1	500.1	502.1	
		MOBILIZATION	PREPARING RIGHT OF WAY	REMOVE CONCRETE DRIVEWAYS	REMOVE MISCELLANEOUS CONCRETE	STREET EXCAVATION	EMBANKMENT (FINAL)(DENS CONT)(TY B)	LIME TREATED SUBGRD (6" COMP DEPTH)	LIME	PRIME COAT	TACK COAT	HMVC PVT, TY B (6" COMP DEPTH)	HMVC PVT, TY C (LEVEL UP)(2"COMP SY)	HMVC PVT, TY C (3"COMP DEPTH)	HMVC PVT, TY D (SURF) (2"COMP DEPTH)	SALVAGING, HAULING, & STOCKPILING	CONCRETE STRUCTURE (RETAINING WALLS)	CONCRETE CURB	CONCRETE SIDEWALK	
		LS	LS	SF	SF	CY	CY	SY	TON	GAL	GAL	SY	SY	SY	SY	SY	CY	LF	SY	
REDLAND																				
1 OF 11	BEGIN TO STA 10+00																			
2 OF 11	STA 10+00 TO STA 14+00																	1055	270	
3 OF 11	STA 14+00 TO STA 18+00																	1532	450	
4 OF 11	STA 18+00 TO STA 22+00																3	1309	416	
5 OF 11	STA 22+00 TO STA 26+00			409														1271	394	
6 OF 11	STA 26+00 TO STA 30+00																	1316	420	
7 OF 11	STA 30+00 TO STA 34+00																	1320	442	
8 OF 11	STA 34+00 TO STA 38+00																	1501	482	
9 OF 11	STA 38+00 TO STA 42+00			498	48													1459	464	
10 OF 11	STA 42+00 TO STA 46+00				47													771	413	
11 OF 11	STA 46+00 TO END				790											1100		439	328	
	REDLAND TOTAL			907	885	8321	24265	32180	240	3219	1461	32180	29647		30747	1100	3	11973	4079	
JONES- MALTSBERGER																				
1 OF 2	BEGIN TO STA 171+00																	474	144	
2 OF 2	STA 171+00 TO END																	642	202	
	JONES MALTS. TOTAL					241	2842	2019	15	202	181	2019		1803				1116	346	
	PROJECT TOTALS	1	1	907	885	8562	27107	34199	255	3421	1642	34199	29647	1803	30747	1100	3	13089	4425	

		COSA ITEMS															
SHT. NO	STATION TO STATION	503.2	503.4	504.1	505.1	507.2	507.5	507.6	508.1	513.1	515.1	516.1	516.2	522.1	552.1	5080.1	
		PORTLAND CEMENT CONCRETE DRIVEWAYS - COMMERCIAL	ASPHALTIC CONC DRIVEWAYS	CONCRETE MEDIAN	CONCRETE RIPRAP (4")	CHAIN LINK WIRE FENCE (6' HIGH)	GATES-VEHICULAR (12')	GATES-VEHICULAR (20')	RELOCATING WIRE FENCE	REMOVING & RELOCATING MAILBOXES	TOPSOIL	BERMUDA SOD	ST. AUGUSTINE SOD	SIDEWALK PIPE RAILING	REMOVING AND RELOCATING IRRIGATION SYSTEM	RELOCATING PRECAST CONCRETE FENCE	
		SY	SY	SY	SY	LF	OPENING	OPENING	LF	EA	CY	SY	SY	LF	LF	LS	
REDLAND																	
1 OF 11	BEGIN TO STA 10+00																
2 OF 11	STA 10+00 TO STA 14+00	43		90	18						88	402	402	32			
3 OF 11	STA 14+00 TO STA 18+00	66	70								139	633	633				
4 OF 11	STA 18+00 TO STA 22+00	62	258								187	848	848	590			
5 OF 11	STA 22+00 TO STA 26+00	113	452			20				1	302	1371	1371				
6 OF 11	STA 26+00 TO STA 30+00	97	94	5		309	1				148	672	672				
7 OF 11	STA 30+00 TO STA 34+00	81	91			440		1			289	1312	1312				
8 OF 11	STA 34+00 TO STA 38+00	80	53			440		1			250	1137	1137				
9 OF 11	STA 38+00 TO STA 42+00			11		355					237	1079	1079				
10 OF 11	STA 42+00 TO STA 46+00	92		115		205					209	951	951			1	
11 OF 11	STA 46+00 TO END			160		140					151	415	415				
	REDLAND TOTAL	634	1018	381	18	1909	1	2		1	2000	8820	8820	32	590	1	
JONES- MALTSBERGER																	
1 OF 2	BEGIN TO STA 171+00										151	688	688				
2 OF 2	STA 171+00 TO END										162	738	738				
	JONES MALTS. TOTAL								135		313	1426	1426				
	PROJECT TOTALS	634	1018	381	18	1909	1	2	135	1	2313	10246	10246	32	590	1	

		COSA ITEMS			TXDOT ITEMS			
SHT. NO	STATION TO STATION	6004	1100	0531-2010	0531-2017	0772-2003	6000-6024	
		UTILITY POLE BRACING	SEPTIC SYSTEM INSTALLATION	CURB RAMPS (TY 7)	CURB RAMPS (TY 21)	POST AND CABLE	REPLACE ROADWAY ILLUM ASSEMBLY (LED)	
		EA	LS	EA	EA	LF	EA	
REDLAND								
1 OF 11	BEGIN TO STA 10+00							
2 OF 11	STA 10+00 TO STA 14+00			4	1			
3 OF 11	STA 14+00 TO STA 18+00					40		
4 OF 11	STA 18+00 TO STA 22+00					40		
5 OF 11	STA 22+00 TO STA 26+00					40		
6 OF 11	STA 26+00 TO STA 30+00					40		
7 OF 11	STA 30+00 TO STA 34+00					40		
8 OF 11	STA 34+00 TO STA 38+00					40		
9 OF 11	STA 38+00 TO STA 42+00					40		
10 OF 11	STA 42+00 TO STA 46+00					40		
11 OF 11	STA 46+00 TO END						1	
	REDLAND TOTAL	57	1	4	1	280	1	
JONES- MALTSBERGER								
1 OF 2	BEGIN TO STA 171+00							
2 OF 2	STA 171+00 TO END							
	JONES MALTS. TOTAL	4						
	PROJECT TOTALS	61	1	4	1	280	1	

ADDENDUM NO. 4
MODIFIED QUANTITY FOR REDLAND AND JONES MALTSBERGER BASE BID UTILITY POLE BRACING

DON DURDEN, INC.
d.b.a. CIVIL ENGINEERING CONSULTANTS
11550 IH 10 WEST, SUITE 395
SAN ANTONIO, TEXAS 78230-1037
TEL: (210) 641-9999
FAX: (210) 641-6440
REGISTRATION #F-2214
CEC PROJECT NUMBER: E0419900



REDLAND ROAD

ROADWAY SUMMARY

SHEET 1 OF 1

SUBMITTAL	PROJECT NUMBER	DATE
100% PS&E	E0419900	12/8/2015
DRWN BY:	DSGN BY:	CHKD BY:
		SHEET NO.
		18

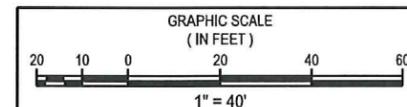
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TREE LEGEND

-  CANOPY TO BE REMOVED
-  CANOPY TO BE PRESERVED
-  HERITAGE TREE

NOTES:

1. TO INDIVIDUAL TREES DESIGNATED FOR PRESERVATION, APPLY FENCE PROTECTION AND LEVEL I PRUNING, SOIL AMENDMENT, AND FERTILIZATION WITHIN THE ROW AND EASEMENTS IN ACCORDANCE WITH THE SPECIFICATIONS FOR ITEMS 801 AND 802.1.
2. WHERE TREE PROTECTIVE FENCING IS INDICATED, USE EITHER LEVEL I PROTECTION OR A COMBINATION OF LEVEL IIA AND LEVEL IIB FENCING, AS APPROVED.
3. APPLY MULCH AND IRRIGATION AS SPECIFIED UNDER ITEM 801 AT NO DIRECT PAY.
4. TO ALL OTHER CANOPY AREAS DESIGNATED FOR PRESERVATION, APPLY LEVEL II PRUNING IN ACCORDANCE WITH THE SPECIFICATION FOR ITEM 802.2, TO BE PAID AS A LUMP SUM.
5. ALL APPROVED TREE REMOVAL SHALL NOT BE MEASURED FOR PAYMENT BUT SHALL BE SUBSIDIARY TO ITEM 101 PREP ROW.
6. MAINTAIN ALL PRESERVED TREES IN A HEALTHY CONDITION AT ALL TIMES. CONTRACTOR WILL BE RESPONSIBLE FOR TREES THAT DIE WITHIN 12 MONTHS. SEE THE GENERAL NOTES FOR ADDITIONAL TREE PRESERVATION MEASURES AND PERMIT REQUIREMENTS.



POZNECKI & CAMARILLO
 5835 CALLAGHAN RD, SUITE 200
 SAN ANTONIO, TEXAS, 78228
 TBP REG. NO. F-483

(210) 349-3273
 (210) 349-4395 (FAX) <http://www.pozcam.com/>



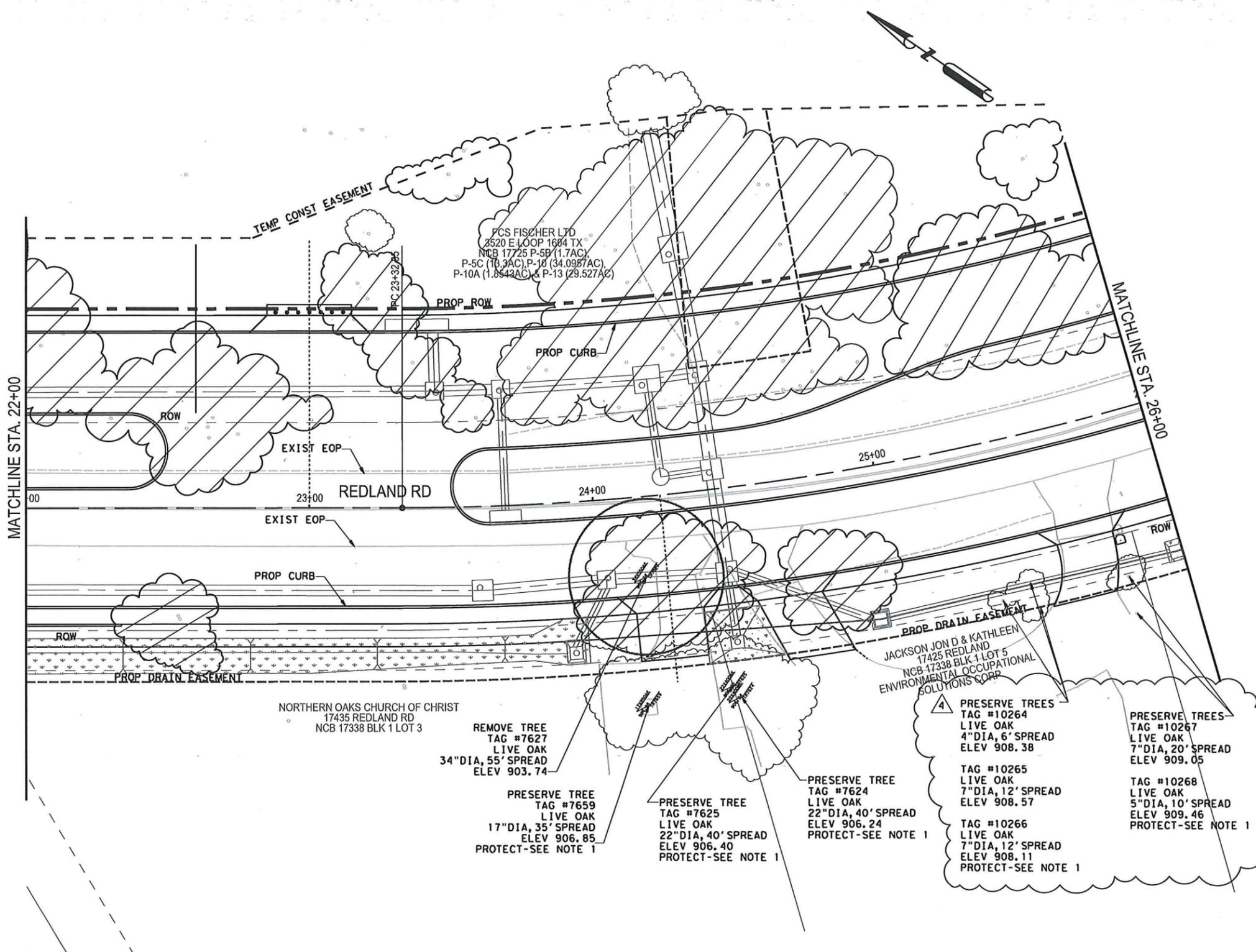
REDLAND ROAD

TREE PRESERVATION PLAN
 STA 22+00 TO STA 26+00

SHEET 4 OF 14

SUBMITTAL	PROJECT NUMBER	DATE
DRWN BY:	DSGN BY:	CHKD BY:
		SHEET NO.

ADDENDUM #4



FCS FISCHER LTD
 2520 E LOOP 1684 TX
 NCB 17725 P-5B (1.7AC)
 P-5C (18.3AC), P-10 (34.0987AC)
 P-10A (1.8543AC) & P-13 (29.527AC)

NORTHERN OAKS CHURCH OF CHRIST
 17435 REDLAND RD
 NCB 17338 BLK 1 LOT 3

JACKSON JON D & KATHLEEN
 17425 REDLAND
 NCB 17338 BLK 1 LOT 5
 ENVIRONMENTAL OCCUPATIONAL
 SOLUTIONS CORP

REMOVE TREE
 TAG #7627
 LIVE OAK
 34" DIA, 55' SPREAD
 ELEV 903.74

PRESERVE TREE
 TAG #7659
 LIVE OAK
 17" DIA, 35' SPREAD
 ELEV 906.85
 PROTECT-SEE NOTE 1

PRESERVE TREE
 TAG #7625
 LIVE OAK
 22" DIA, 40' SPREAD
 ELEV 906.40
 PROTECT-SEE NOTE 1

PRESERVE TREE
 TAG #7624
 LIVE OAK
 22" DIA, 40' SPREAD
 ELEV 906.24
 PROTECT-SEE NOTE 1

4 PRESERVE TREES
 TAG #10264
 LIVE OAK
 4" DIA, 6' SPREAD
 ELEV 908.38

 TAG #10265
 LIVE OAK
 7" DIA, 12' SPREAD
 ELEV 908.57

 TAG #10266
 LIVE OAK
 7" DIA, 12' SPREAD
 ELEV 908.11
 PROTECT-SEE NOTE 1

PRESERVE TREES
 TAG #10267
 LIVE OAK
 7" DIA, 20' SPREAD
 ELEV 909.05

 TAG #10268
 LIVE OAK
 5" DIA, 10' SPREAD
 ELEV 909.46
 PROTECT-SEE NOTE 1

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CITY OF SAN ANTONIO
025 UNIT PRICING FORM

PROJECT NAME: REDLAND RD SOUTH (1604 TO JONES MALTSBERGER RD)
PROJECT NO. 40-00313

ALT. NO.	ITEM NO.	DESC. CODE	S.P. NO.	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX. QUANTITIES	UNIT BID PRICE	AMOUNT	ITEM SEQUENCE NO.
				The City only will accept bid pricing to the hundredths. Any pricing extended out to three decimal points will be truncated to two decimal points in the City's favor.					
CoSA - Redland Road South									
	100.1			MOBILIZATION	LS	1			1
	100.2			INSURANCE AND BOND	LS	1			2
	101.1			PREPARING RIGHT-OF-WAY	LS	1			3
	103.XX			REMOVE CONCRETE DRIVEWAYS	SF	907			4
	103.4			REMOVE MISCELLANEOUS CONCRETE	SF	885			5
	104.1			STREET EXCAVATION	CY	8321			6
	107.1			EMBANKMENT (FINAL) (DENS CONT) (TY B)	CY	24265			7
	108.1			LIME TREAT SUBGRADE (6" COMPACTED DEPTH)	SY	32180			8
	108.2			LIME	TON	240			9
	200.1			FLEXIBLE BASE (6" COMPACTED DEPTH)	SY	213			10
	202.1			PRIME COAT	GAL	3219			11
	203.1			TACK COAT	GAL	1461			12
	204.1			ONE COURSE SURFACE TREATMENT	SY	1140			13
	205.2			HOT MIX ASPHALTIC PAVEMENT, TYPE B (6" COMP. DEPTH)	SY	35589			14
	205.3			HOT MIX ASPHALTIC PAVEMENT, TYPE C (LEVEL UP) (2" COMP. DEPTH)	SY	29647			15
	205.4			HOT MIX ASPHALTIC PAVEMENT, TYPE D (SURF) (2" COMP. DEPTH)	SY	30747			16
	208.1			SALVAGING, HAULING, & STOCKPILING RECLAIMABLE ASPHALTIC PAVEMENT (2" DEPTH)	SY	1100			17
	307.1			CONCRETE STRUCTURE (RETAINING WALLS)	CY	3			18
	307.1			CONCRETE STRUCTURE (DRIVEWAY RETAINING WALLS)	CY	3			19
	308.1			DRILLED SHAFTS (24")	LF	57			20
	308.1			DRILLED SHAFTS (36")	LF	106			21
	401.1		401	REINFORCED CONCRETE PIPE (CLASS III) (24" DIA)	LF	1039			22
	401.1		401	REINFORCED CONCRETE PIPE (CLASS III) (30" DIA)	LF	774			23
	401.1		401	REINFORCED CONCRETE PIPE (CLASS III) (36" DIA)	LF	1532			24
	401.1		401	REINFORCED CONCRETE PIPE (CLASS III) (42" DIA)	LF	270			25
	401.1		401	REINFORCED CONCRETE PIPE (CLASS III) (48" DIA)	LF	379			26
	401.1		401	REINFORCED CONCRETE PIPE (CLASS III) (54" DIA)	LF	38			27
	403.1		403	JUNCTION BOX 4'X4'X4'	EA	7			28
	403.2		403	JUNCTION BOX 5'X5'X5'	EA	12			29
	403.3		403	JUNCTION BOX 6'X6'X6'	EA	16			30
	403.4		403	JUNCTION BOX 7'X7'X7'	EA	2			31
	403.5		403	JUNCTION BOX 8'X8'X8'	EA	2			32
	403.7		403	INLET TYPE 1 (COMPLETE) (10FT)	EA	27			33
	403.12		403	SPECIAL INLET (4-WAY)	EA	5			34
	403.XX		403	DROP INLET TYPE 1A	EA	1			35
	404.4			CORRUGATED METAL PIPE (24" DIA)	LF	9			36
	407.1			CONCRETE ENCASEMENT	CY	9			37
	410.2			GRAVEL SUBGRADE FILLER	CY	399			38
	500.1			CONCRETE CURBING	LF	11973			39
	502.1		502	CONCRETE SIDEWALKS	SY	4079			40
	503.2		503	PORTLAND CEMENT CONCRETE DRIVEWAYS - COMMERCIAL	SY	634			41
	503.4		503	ASPHALTIC CONCRETE DRIVEWAY	SY	1018			42
	504.1			CONCRETE MEDIAN	SY	381			43
	505.1			CONCRETE RIPRAP (4" THICK)	SY	58			44
	505.1			CONCRETE RIPRAP (5" THICK)	SY	88			45
	506.1			CONCRETE RETAINING WALLS - COMBINATION TYPE	CY	33			46
	507.2			CHAIN LINK WIRE FENCE (6' HIGH)	LF	1909			47
	507.5			GATES - VEHICULAR (12")	OPENING	1			48
	507.6			GATES - VEHICULAR (20")	OPENING	2			49
	511.3			REPLACING HOT MIX ASPHALTIC CONCRETE PAVEMENT TYPE B (8" COMPACTED DEPTH)	SY	416			50
	513.1			REMOVING & RELOCATING MAILBOXES	EA	1			51
	515.1			TOPSOIL	CY	2000			52
	516.1			BERMUDA SODDING	SY	8820			53
	516.2			ST. AUGUSTINE SODDING	SY	8820			54
	522.1			SIDEWALK PIPE RAILING	LF	32			55
	525.1			CONCRETE TRAFFIC BARRIER (PORTABLE)	LF	6380			56
	530.1		530	BARRICADES, SIGNS AND TRAFFIC HANDLING	LS	1			57
	531.18			R5-1 DO NOT ENTER (30"X30")(HIGH DENSITY)	EA	2			58
	531.19			R6-1 ONE WAY (36"X12")(HIGH DENSITY)	EA	1			59
	531.27			R10-12 LEFT TURN YIELD ON "GREEN BALL" (HIGH INTENSITY)	EA	2			60
	531.3			R1-1 STOP (30")(HIGH DENSITY)	EA	3			61
	531.4			R1-2 YIELD (36")(HIGH DENSITY)	EA	1			62
	531.46			W3-3 SIGNAL AHEAD (36"X36")(HIGH DENSITY)	EA	2			63
	531.59			W3-3 SPECIAL SIGN CHURCH (30"X30")(HIGH DENSITY)	EA	1			64
	531.71			R4-4 (BEGIN RIGHT TURN LANE YIELD TO BIKE) (36"X30")(HIGH DENSITY)	EA	1			65
	531.8			R3-2 NO LEFT TURN (24"X24")(HIGH DENSITY)	EA	2			66
	531.XX			METRO STREET NAME, BLOCK NUMBERS (HIGH DENSITY)(VARIES X 9")	EA	1			67
	531.XX			R2-1 SPEED LIMIT (30"X36")(HIGH DENSITY)	EA	2			68
	531.XX			R3-17a AHEAD	EA	2			69
	531.XX			R3-17b BIKE LANE (PLAQUES)	EA	2			70
	531.XX			R3-8 LLS LANE USE CONTROL (38"X30")	EA	1			71
	531.XX			R3-17 BIKE LANE (PLAQUES)	EA	16			72
	531.XX			R10-4b	EA	20			73
	531.XX			R10-17T FLASHING YELLOW (HIGH INTENSITY)	EA	6			74
	531.XX			M1-6L LOOP 1604 (24"X24")	EA	4			75
	531.XX			M2-1 JUNCTION (21"X15")	EA	1			76
	531.XX			M3-2B EAST (24"X12")	EA	1			77
	531.XX			M3-4B EAST (24"X12")	EA	2			78
	531.XX			M6-1BL DIRECTIONAL ARROW (24"X12")	EA	1			79
	531.XX			M6-1BR DIRECTIONAL ARROW (24"X12")	EA	1			80
	531.XX			M6-3B DIRECTIONAL ARROW (24"X12")	EA	1			81
	531.XX			R5-1 DO NOT ENTER (36"X36")	EA	1			82
	531.XX			W2-2 INTERSECTION WARNING (24"X24")	EA	1			83
	532.XX			W2-6D HIGHWAY INTERSECTION AHEAD (36"X36")	EA	1			84
	535.1			4 INCH WIDE YELLOW LINE	LF	736			85
	535.2			4 INCH WIDE WHITE LINE	LF	2000			86
	535.3			8 INCH WIDE YELLOW LINE	LF	53			87
	535.4			8 INCH WIDE WHITE LINE	LF	10854			88
	535.5			12 INCH WIDE WHITE LINE	LF	662			89
	535.7			24 INCH WIDE WHITE LINE	LF	1158			90
	535.8			RIGHT WHITE ARROW	EA	1			91
	535.9			LEFT WHITE ARROW	EA	36			92
	535.11			COMBINATION THRU/LEFT WHITE ARROW	EA	8			93
	535.12			WORD "ONLY"	WORD	3			94
	535.16			STRAIGHT WHITE ARROW BICYCLE FACILITY	EA	16			95
	535.17			BICYCLE RIDER SYMBOL	EA	16			96
	535.XX			6" BROKEN WHITE LINE	LF	94			97

CITY OF SAN ANTONIO
025 UNIT PRICING FORM

PROJECT NAME: REDLAND RD SOUTH (1604 TO JONES MALTSBERGER RD)
PROJECT NO. 40-00313

ALT. NO.	ITEM NO.	DESC. CODE	S.P. NO.	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX. QUANTITIES	UNIT BID PRICE	AMOUNT	ITEM SEQUENCE NO.
	535.XX			8" BROKEN WHITE LINE	LF	186			98
	535.XX			12 INCH WIDE YELLOW LINE	LF	22			99
	535.XX			SOLID WHITE YIELD LINES (12"X18")	EA	13			100
	537.1			TRAFFIC BUTTON (TYPE W)	EA	4401			101
	537.2			TRAFFIC BUTTON (TYPE Y)	EA	4839			102
	537.6			TRAFFIC BUTTON (TYPE I-C)	EA	143			103
	537.8			TRAFFIC BUTTON (TYPE II A-A)	EA	1679			104
	537.9			TRAFFIC BUTTON (TYPE II C-R)	EA	1651			105
	537.XX			TRAFFIC BUTTON (TYPE II C-C)	EA	87			106
	540.1			ROCK FILTER DAMS (INSTALL/REMOVE) (TYPE 2)	LF	253			107
	540.6			CONSTRUCTION EXITS (INSTALL/REMOVE)	SY	234			108
	540.9			TEMPORARY SEDIMENT CONTROL FENCE	LF	3242			109
	540.1			CURB INLET GRAVEL FILTERS	LF	1056			110
	550.1			TRENCH EXCAVATION SAFETY PROTECTION	LF	4028			111
	552.1			REMOVING AND RELOCATING IRRIGATION SYSTEMS	LF	590			112
	554.1			EROSION CONTROL MATTING	SY	1037			113
	618.1			CONDUIT (2 INCH / PVC SCHEDULE 40)	LF	510			114
	618.2			CONDUIT (3 INCH / PVC SCHEDULE 40)	LF	1830			115
	618.2			CONDUIT (3 INCH / PVC SCHEDULE 40) (BORE)	LF	770			116
	620.1			ELECTRICAL CONDUCTORS (NO. 6) (BARE)	LF	959			117
	620.2			ELECTRICAL CONDUCTORS (NO. 8) (BARE)	LF	2922			118
	620.3			ELECTRICAL CONDUCTORS (NO. 6) (INSULATED)	LF	1661			119
	624.8			GROUND BOXES TY D (162922) WITH APRON	EA	14			120
	628.1			ELECTRICAL SERVICES	EA	2			121
	636.1			ALUMINUM SIGNS (TY A)	SF	11			122
	680.2			INSTALLATION OF HIGHWAY TRAFFIC SIGNALS (SYSTEM)	EA	2			123
	681.1			TEMPORARY TRAFFIC SIGNALS (PER INTERSECTION)	EA	2			124
	682.1			INS VEH SIG SECTION W/ BACK PLATE (12 INCH) (3 SECONDS)	EA	21			125
	682.2			INS VEH SIG SECTION W/ BACK PLATE (12 INCH) (4 SECONDS)	EA	8			126
	682.3			INS VEH SIG SECTION W/ BACK PLATE (12 INCH) (5 SECONDS)	EA	2			127
	682.4			INSTALL PEDESTRIAN SIGNAL SECTION (12 INCH) LED (2 IND)	EA	20			128
	684.1			TRAFFIC SIGNAL CABLES (TYPE A) (14 AWG) (CONDUCTOR NO. 4)	LF	1519			129
	684.1			TRAFFIC SIGNAL CABLES (TYPE A) (12 AWG) (CONDUCTOR NO. 4)	LF	3198			130
	684.1			TRAFFIC SIGNAL CABLES (TYPE A) (14 AWG) (CONDUCTOR NO. 9)	LF	9415			131
	686.32C			INSTALL TRAFFIC SIGNAL POLE ASSEMBLIES (STEEL) (1 ARM 32') (LUM)	EA	1			132
	686.40A			INSTALL TRAFFIC SIGNAL POLE ASSEMBLIES (STEEL) (1 ARM 40')	EA	6			133
	686.40B			INSTALL TRAFFIC SIGNAL POLE ASSEMBLIES (STEEL) (1 ARM 40') (ILSN)	EA	4			134
	686.40C			INSTALL TRAFFIC SIGNAL POLE ASSEMBLIES (STEEL) (1 ARM 48') (LUM)	EA	1			135
	687.1			PEDESTAL POLE ASSEMBLY	EA	14			136
	688.2			PEDESTRIAN DETECTORS (2 INCH PUSH BUTTON)	EA	20			137
	688.3			AUDIBLE PEDESTRIAN SIGNAL UNITS (TYPE)	EA	20			138
	693.1			ILSN SIGN (LED) (8 FT) (DOUBLE SIDED)	EA	4			139
	695.2			EMERGENCY PREEMPTION PHASE SELECTOR	EA	8			140
	695.3			EMERGENCY PREEMPTION DETECTOR	EA	10			141
	695.4			EMERGENCY PREEMPTION DETECTOR CABLE	LF	3198			142
	696.01			RADAR PRESENCE DETECTION DEVICE (RPDD)	EA	10			143
	696.03			RADAR PRESENCE DETECTION DEVICE (RADD)	EA	8			144
	696.06			RVDD INTERFACE MODULE (2-CHANNEL) (RADD)	EA	8			145
	696.08			RVDD INTERFACE MODULE (4-CHANNEL) (RPDD)	EA	10			146
	696.1			RVDD SETUP SYSTEM	EA	2			147
	696.16			RVDD COMMUNICATION CABLE & POWER CABLE (TYPE)	LF	6024			148
	801.1			LEVEL I PROTECTIVE FENCING	LF	1550			149
	801.2			LEVEL IIA PROTECTIVE FENCING	LF	1224			150
	801.3			LEVEL IIB PROTECTIVE FENCING (TRUNK PROTECTION)	EA	30			151
	802.1			LEVEL I PRUNING, SOIL, AMENDMENT, AND FERTILIZATION	EA	50			152
	4000.1			JELLYFISH WQ UNIT FJ6-4-1	EA	1			153
	4000.1			JELLYFISH WQ UNIT FJ8-7-2	EA	1			154
	5080.1			RELOCATING PRECAST CONCRETE FENCE	LS	1			155
	6004			UTILITY POLE BRACING	EA	57			156
	9000.1			PLANTING AREA PREPARATION	SF	4861			157
	9000.2			SOIL MIX AT PLANTING AREAS - 12" DEPTH	CY	183			158
	9000.3			PLANT MATERIAL (4" POT)	EA	140			159
	9000.4			PLANT MATERIAL - 1 GAL	EA	575			160
	9000.5			PLANT MATERIAL - 3 GAL	EA	97			161
	9000.6			MULCH - 4" DEPTH	CY	62			162
	9002.1			TOPSOIL AT GRASS AREAS - 4" DEPTH	CY	10			163
	9002.2			TURF GRASS - SOD	SY	71			164
	9003.1			LANDSCAPE MAINTENANCE (90 DAY)	LS	1			165
	9004.1			COBBLE A	CY	377			166
	9004.2			COBBLE B	CY	84			167
	9004.3			COBBLE C	CY	540			168
	9004.4			COBBLE D	CY	623			169
	9005.1			BOULDER A	EA	27			170
	9005.2			BOULDER B	EA	45			171
	9005.3			BOULDER C	EA	24			172
	9006.1			WEED CONTROL/FILTER FABRIC	SY	6424			173
	11005.1			SEPTIC SYSTEM INSTALLATION	LS	1			174
				TXDOT ITEMS					
	531.201			CURB RAMPS (TY 7)	EA	4			175
	531.2017			CURB RAMPS (TY 21)	EA	1			176
	644.206			REMOVE SM RD SN SUP & AM	EA	7			177
	662.2064			WK ZN PAV MRK REMOV (W) 4" (BRK)	LF	170			178
	662.2067			WK ZN PAV MRK REMOV (W) 4" (SLD)	LF	28945			179
	662.2072			WK ZN PAV MRK REMOV (W) 8" (BRK)	LF	48			180
	662.2075			WK ZN PAV MRK REMOV (W) 8" (SLD)	LF	62			181
	662.2079			WK ZN PAV MRK REMOV (W) 24" (SLD)	LF	100			182
	662.2099			WK ZN PAV MRK REMOV (Y) 4" (SLD)	LF	32044			183
	677.2001			ELIM EXT PAV MRK & MRKS (4")	LF	86			184
	677.2003			ELIM EXT PAV MRK & MRKS (8")	LF	1455			185
	677.2007			ELIM EXT PAV MRK & MRKS (24")	LF	801			186
	677.2008			ELIM EXT PAV MRK & MRKS (ARROWS)	EA	11			187
	677.2018			ELIM EXT PAV MRK & MRKS (WORDS)	EA	4			188
	772.2003			POST AND CABLE FENCE (NEW INSTALLATION)	LF	280			189
	6000.6024			REPLACE ROADWAY ILLUM ASSEMBLY (LED)	EA	1			190
Total CoSA (Redland Road South) Bid Amount:									
CoSA - Jones Maltzberger Road									
	100.1			MOBILIZATION	LS	1			1
	100.2			INSURANCE & BOND	LS	1			2
	101.1			PREPARING RIGHT OF WAY	LS	1			3
	104.1			STREET EXCAVATION	CY	241			4

PROJECT NAME: REDLAND RD SOUTH (1604 TO JONES MALTSBERGER RD)
PROJECT NO. 40-00313

ALT. NO.	ITEM NO.	DESC. CODE	S.P. NO.	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX. QUANTITIES	UNIT BID PRICE	AMOUNT	ITEM SEQUENCE NO.
	106.1			BOX CULVERT EXCAVATION & BACKFILL	CY	427			5
	107.1			EMBANKMENT (FINAL) DENS CONT (TY B)	CY	2842			6
	108.1			LIME TREAT. SUBGRADE (6" COMPACTED DEPTH)	SY	2019			7
	108.2			LIME	TON	15			8
	202.1			PRIME COAT	GAL	202			9
	203.1			TACK COAT	GAL	181			10
	205.2			HMAC PAVMT, TY B (6" COMP DEPTH)	SY	2019			11
	205.3			HMAC PAVMT, TY C (SURF) (3" COMP DEPTH)	SY	1803			12
	306.1			STRUCTURAL EXCAVATION (WINGWALLS)	CY	45			13
	307.1			CONCRETE STRUCTURE (HEADWALLS OR OUTFALL STRUCTURES)	CY	11			14
	307.1			CONCRETE STRUCTURE (ABUTMENTS & WINGWALLS)	CY	121			15
	307.5			CONCRETE STRUCTURE (MISCELLANEOUS) (SIDEWALK BRIDGE)	EA	1			16
	309.1			PRECAST REINFORCED CONCRETE CULVERT (10' x 7')	LF	305			17
	500.1			CONCRETE CURBING	LF	1116			18
	502.1			CONCRETE SIDEWALKS	SY	346			19
	505.1			CONCRETE RIPRAP (5" THICK)	SY	435			20
	508.1			RELOCATING WIRE FENCE	LF	135			21
	515.1			TOPSOIL	CY	313			22
	517.1			COMBINATION RAIL, TYPE C223	LF	171			23
	516.1			BERMUDA SODDING	SY	1426			24
	516.1			ST AUGUSTINE SODDING	SY	1426			25
	530.1			BARRICADES, SIGNS AND TRAFFIC HANDLING	LS	1			26
	531.XX			R2-1 SPEED LIMIT (30"X36") (HIGH DENSITY)	EA	1			27
	531.XX			S1-1 ADVANCE SCHOOL CROSSING (36"X36")	EA	1			28
	535.XX			W8-15 WATCH FOR WATER ON ROAD (36" X 36")	EA	2			29
	535.1			4 INCH WIDE YELLOW LINE	LF	1470			30
	535.2			4 INCH WIDE WHITE LINE	LF	203			31
	535.4			8 INCH WIDE WHITE LINE	LF	352			32
	535.7			24 INCH WIDE WHITE LINE	LF	249			33
	535.8			RIGHT WHITE ARROW	EA	2			34
	535.9			LEFT WHITE ARROW	EA	2			35
	535.12			WORD "ONLY"	EA	2			36
	535.22			MEDIAN NOSE YELLOW	EA	1			37
	535.XX			24 INCH WIDE YELLOW LINE	LF	6			38
	537.6			TRAFFIC BUTTON (TYPE I-C)	EA	22			39
	537.8			TRAFFIC BUTTON (TYPE II A-A)	EA	88			40
	537.9			TRAFFIC BUTTON (TYPE II C-R)	EA	3			41
	540.1			ROCK FILTER DAMS (INSTALL/REMOVE) (TYPE 3)	LF	120			42
	540.1			CURB INLET GRAVEL FILTERS	LF	40			43
	550.1			TRENCH EXCAVATION SAFETY PROTECTION	LF	76			44
	554.1			EROSION CONTROL MATTING	SY	139			45
	801.1			LEVEL I PROTECTIVE FENCING	LF	170			46
	801.2	503		LEVEL II A PROTECTIVE FENCING	LF	136			47
	801.3	503		LEVEL II B PROTECTIVE FENCING (TRUNK PROTECTION)	EA	4			48
	802.1	503		LEVEL I PRUNING, SOIL AMENDMENT, AND FERTILIZATION	EA	5			49
	6004			UTILITY POLE BRACING	EA	4			50
				TXDOT ITEMS					
	465.211			INLET (COMPL) (ARMOR CURB SLOT)	EA	2			51
	644.206			REMOVE SM RD SN SUP & AM	EA	1			52
	677.2001			ELIM EXT PAV MRK & MRKS (4")	LF	340			53
	677.2003			ELIM EXT PAV MRK & MRKS (8")	LF	120			54
	677.2007			ELIM EXT PAV MRK & MRKS (24")	LF	152			55
	677.2008			ELIM EXT PAV MRK & MRKS (ARROWS)	EA	3			56
	677.2018			ELIM EXT PAV MRK & MRKS (WORDS)	EA	2			57
Total CoSa (Jones Maltzberger Road) Bid Amount:									
SAWS Water Items									
	100.1			MOBILIZATION	LS	1			1
	101.1			PREPARATION OF RIGHT OF WAY	LS	1			2
	550			TRENCH EXCAVATION SAFETY PROTECTION	LF	593			3
	814			8" DUCTILE IRON PIPE	LF	214			4
	814			12" DUCTILE IRON PIPE	LF	319			5
	822			CUSTOMER YARD PIPING	LF	90			6
	824			RELAY 1" SHORT SERVICE	EA	4			7
	824			RELAY 1 1/2" SHORT SERVICE	EA	3			8
	824			RELAY 2" SHORT SERVICE	EA	1			9
	824			RELAY 4" SHORT SERVICE	EA	1			10
	824			RELAY 8" FIRE LINE	EA	2			11
	824.5			CUSTOMER SHUT-OFF VALVE	EA	9			12
	826			VALVE BOX ADJUSTMENT	EA	10			13
	828			12" GATE VALVES	EA	3			14
	833			EXISTING METER AND NEW METER BOX RELOCATION	EA	8			15
	833			METER BOX (NON-STANDARD METER BOX)	EA	6			16
	834.1			FIRE HYDRANT	EA	4			17
	834.2			TAPPED FIRE HYDRANT	EA	2			18
	836			PIPE FITTINGS, ALL SIZES AND TYPES	TON	3			19
	840			8" WATER TIE-INS	EA	2			20
	840			12" WATER TIE-INS	EA	4			21
	841			HYDROSTATIC TESTING	EA	3			22
	844			2" BLOWOFF, TEMPORARY	EA	3			23
	846			1" AIR RELEASE ASSEMBLIES	EA	1			24
	856.2			12" CARRIER PIPE (OPEN CUT) (DUCTILE IRON)	LF	60			25
	856.3			24" CASING OR LINER	LF	60			26
	858			CONCRETE ENCASUREMENT, CRADDLES, SADDLES AND COLLARS	CY	24			27
	2000			12" TEMPORARY WATER MAIN	LS	1			28
	3000			REMOVAL, TRANSPORT, AND DISPOSAL OF AC PIPE	LF	39			29
Total SAWS Water Bid Amount:									
SAWS Sewer Items									
	100.1			MOBILIZATION	LS	1			1
	101.1			PREPARATION OF RIGHT OF WAY	LS	1			2
	550			TRENCH EXCAVATION SAFETY PROTECTION	LF	200			3
	848			10" PVC SANITARY SEWER LINE (10'-14')	LF	30			4
	851			ADJUST EXISTING MANHOLES	EA	2			5
	852.1			SANITARY SEWER MANHOLES (0'-6')	EA	5			6
	852.3			EXTRA DEPTH MANHOLES (>6')	VF	17			7
	855			RECONSTRUCTION OF EXISTING MANHOLES	EA	7			8
	856.2			10" CARRIER PIPE (OPEN CUT)	LF	60			9
	856.3			STEEL CASING 24"	LF	60			10
	864			BYPASS PUMPING	LS	1			11
	866			SEWER MAIN POST-TELEVISION INSPECTION (8"-15")	LF	90			12
Total SAWS Sewer Bid Amount:									

PROJECT NAME: REDLAND RD SOUTH (1604 TO JONES MALTSBERGER RD)
PROJECT NO. 40-00313

ALT. NO.	ITEM NO.	DESC. CODE	S.P. NO.	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX. QUANTITIES	UNIT BID PRICE	AMOUNT	ITEM SEQUENCE NO.
CPS Energy Gas									
	1			Install Gas Main or Casing (Distance As Measured Along the Top of Trench)					
				2" PLASTIC PIPE AND TRACER WIRE	1 FT	10			1
				4" PLASTIC PIPE AND TRACER WIRE	1 FT	130			2
				8" PLASTIC PIPE AND TRACER WIRE	1 FT	4374			3
	The COST to abandon the existing main(s) is not an ADDITIONAL item and is to be included in the Unit Price(s) for this item:								
	2			Temporary Street Restoration Asphalt - 6" H.M.A.C.	1 SY	17			4
	3			Permanent Street Restoration Asphalt - 10" A.T.B., 2" H.M.A.C.	1 SY	90			5
Total CPS Gas Bid Amount:									
NOTE A:	sand padding, backfilling and compacting to consistency of original soil, installing all necessary cathodic protection devices such as CPTLB's and anodes, replacing paving, curbs, and sidewalks removed or damaged during construction, and cleanup as may be necessary in each instance.								
NOTE B:	property line, ONLY at the discretion of the CPS Inspector.								
NOTE C:	Bid quantities shown are estimates by CPS. Per foot prices shall be applied to the actual distance measured along the top of the trench or the actual length of the bore, as applicable.								
NOTE D:	Unit prices shall include insurance costs. CPS' insurance requirements are specified in Exhibit GAS-1.								
Total (CoSA + SAWS + CPS Gas) Base Bid Amount:									
CoSA - Add Alt 1 (Jones Maltzberger Road)									
1	104.1			STREET EXCAVATION	CY	32			1
1	108.1			LIME TREAT. SUBGRADE (6" COMPACTED DEPTH)	SY	1665			2
1	108.2			LIME	TON	13			3
1	202.1			PRIME COAT	GAL	166			4
1	203.1			TACK COAT	GAL	166			5
1	205.2			HMAC PAVMT, TY B (6" COMP DEPTH)	SY	1665			6
1	205.3			HMAC PAVMT, TY C (SURF)(3" COMP DEPTH)	SY	1661			7
1	306.1			STRUCTURAL EXCAVATION (WINGWALLS)	CY	38			8
1	307.1			CONCRETE STRUCTURE (ABUTMENTS & WINGWALLS)	CY	16			9
1	307.1			CONCRETE STRUCTURE (RETAINING WALL)	CY	91			10
1	401.1			REINFORCED CONCRETE PIPE (CLASS III)(24" DIA)	LF	55			11
1	401.1			REINFORCED CONCRETE PIPE (CLASS III)(48" DIA)	LF	287			12
1	403.1			JUNCTION BOX 6'X6'	EA	4			13
1	403.7			INLET TYPE I (COMPLETE)(10FT)	EA	2			14
1	410.2			GRAVEL SUBGRADE FILLER	CY	41			15
1	502.1			CONCRETE SIDEWALKS	SY	228			16
1	517.1			COMBINATION RAIL TYPE C223	LF	12			17
1	531.XX			W9-2L LANE ENDS MERGE LEFT (36" X 36")	EA	1			18
1	535.1			4 INCH WIDE YELLOW LINE	LF	429			19
1	535.2			4 INCH WIDE WHITE LINE	LF	32			20
1	535.4			8 INCH WIDE WHITE LINE	LF	617			21
1	535.7			24 INCH WIDE WHITE LINE	LF	44			22
1	535.9			LEFT WHITE ARROW	EA	2			23
1	535.XX			24 INCH WIDE YELLOW LINE	LF	94			24
1	537.8			TRAFFIC BUTTON (TYPE II A-A)	EA	10			25
1	537.9			TRAFFIC BUTTON (TYPE II C-R)	EA	21			26
1	550.1			TRENCH EXCAVATION SAFETY PROTECTION	LF	342			27
Total CoSA Add Alt 1 (Jones Maltzberger Road) Bid Amount:									
Notes:	1. Add Alt 1 are the additional items needed to construct Jones Maltzberger Road to the ultimate width.								
	2. The Total Amount of Add Alt 1 is the added cost to the Base Bid to construct Jones Maltzberger Road to the ultimate width.								

_____ certifies that the unit prices shown on this complete computer print-out for all of the bid items and the alternates contained in this proposal are the unit prices intended and that its bid will be _____ Acknowledged and agrees that the total bid amount shown will be read as its total bid and further agrees that the official total bid amount will be determined by multiplying the unit bid prices shown in this print-out by the respective estimated quantities shown in the proposal and then totaling all of the extended amounts. _____ agrees to the terms, conditions, and requirements of the bidder's bid proposal.

Signed: _____ Date: _____
Title: _____