

CITY OF SAN ANTONIO
DEPARTMENT OF CAPITAL IMPROVEMENTS MANAGEMENT SERVICES
DEPARTMENT OF AVIATION



PROJECT NAME: PERIMETER ROAD RECONSTRUCTION –
PACKAGE 1

PROJECT NO. 33-00024

DATE: June 17, 2016

ADDENDUM NO. 4

This addendum shall be included in, and be considered a part of the plans and specification for the above named project. The Contractor shall be required to sign an Acknowledgement of the receipt of this Addendum at the time he receives it. The Acknowledgement must also be submitted with the bid package.

Addendum No. 4 is issued to notify you of the revisions and/or corrections to the following items that were posted on the CoSA website and/or included in the hard copy of the bid packages.

I. Division A: City Bid Documents

Section 010 – Formal Invitation for Bids (IFB) and Contract

- **Change** the deadline for submitting questions from Friday, June 17th at 4:00 PM to **Monday, June 20th at 4:00 PM.**

Section 020 – Bid Form

- **Change** the limits of Additive Alternate # 1 from (Sta. 7+45 - Sta. 13+50) to **(Sta. 20+50 - Sta. 25+37).**
- **Delete Additive Alternate #2.**

Section 025 – Unit Pricing Form

- **Reissue** Unit Pricing Form to modify **Alternate #1**, and delete **Alternate #2** units and quantities.
- **Modify** the units and quantities for the Base Bid.

Section 030 – Contractor's Questionnaire

- **Modify** section 2.5 – Relevant Experience with Airport Paving Projects, to include **projects of a similar nature.**

II. Division E: Additional Technical Specifications For the Project

Item 100 – Mobilization

- **Added** a statement limiting mobilization to **8%** total for the Base Bid and each Additive Alternate.

Item 530 – Barricades, Signs, and Traffic Handling

- **Added** this item to the Specifications.




6.15.2016

CITY OF SAN ANTONIO
DEPARTMENT OF CAPITAL IMPROVEMENTS MANAGEMENT SERVICES
DEPARTMENT OF AVIATION



PROJECT NAME: PERIMETER ROAD RECONSTRUCTION –
PACKAGE 1

PROJECT NO. 33-00024

DATE: June 17, 2016

ADDENDUM NO. 4

Drawings:

- **Re-issued 11 Drawings - Summary of changes by plan sheet as follows:**

C001 – Index of Drawings and Summary of Quantities

- Updated Index of Drawings
 - Added Barricade Detail Sheet
 - Added Drainage Detail Sheet
- Updated Summary of Quantities
 - Removed Add Alternate 1
 - Renumbered Add Alternate 2 to Add Alternate 1
 - Revised Quantities

C008 – Barricade Details

- Added Sheet

C009 – Phasing Plan and Phasing Notes

- Added Not In Contract note to Add Alternate 1 and renumbered Add Alternate 2 to 1

C100 – Demolition Plan

- Added Not In Contract note to Add Alternate 1 and renumbered Add Alternate 2 to 1

C200 – Geometry Plan

- Added Not In Contract note to Add Alternate 1 and renumbered Add Alternate 2 to 1
- Added Design Speed Note

C201 – Typical Sections

- Added ditch section

C301 – Perimeter Road Plan and Profile – Sheet 1

- Added Not In Contract note to Add Alternate 1
- Revised temporary fence notes and added dimensions
- Added temporary fence information

C302 – Perimeter Road Plan and Profile – Sheet 2

- Added Not In Contract note to Add Alternate 1 and renumbered Add Alternate 2 to 1
- Revised temporary fence notes and added dimensions
- Added grade to drain ditch line and notes C401 – Joint Layout Plan – Sheet 1

C401 – Joint Layout Plan – Sheet 1

- Added Not In Contract note to Add Alternate 1 and renumbered Add Alternate 2 to 1

C402 – Joint Layout Plan – Sheet 2

- Added Not In Contract note to Add Alternate 1 and renumbered Add Alternate 2 to 1

C507 – Drainage Details – Sheet 7

- Added Sheet

CITY OF SAN ANTONIO
DEPARTMENT OF CAPITAL IMPROVEMENTS MANAGEMENT SERVICES
DEPARTMENT OF AVIATION



PROJECT NAME: PERIMETER ROAD RECONSTRUCTION –
PACKAGE 1

PROJECT NO. 33-00024

DATE: June 17, 2016

ADDENDUM NO. 4

III. **Additional Contractor Questions:** (For information only, does not change or modify the contract documents in any manner)

- 1) **We would like to verify whether indeed airport paving experience is necessary.**

Section 030 – Contractor’s Questionnaire has been modified to include “projects of a similar nature” in the experience requirement.

List of Attachments

1. Section 010 – Formal Invitation for Bids (IFB) and Contract
2. Section 020 – Bid Form
3. Section 025 – Unit Pricing Form
4. Section 030 – Contractor's Questionnaire
5. Division E - Item 100 – Mobilization
6. Division E – Item 530 – Barricades, Signs, and Traffic Handling
7. Revised Plan Set – 11 sheets
8. Acknowledgement Form Addendum #4

END OF ADDENDUM NO. 4

CITY OF SAN ANTONIO

Issued By: Aviation Department
ID NO.: 33-00024

Date Issued: June 17, 2016

(010) FORMAL INVITATION FOR BIDS (IFB) to CONTRACT
PERIMETER ROAD RECONSTRUCTION – PACKAGE 1 #33-00024

Sealed bids, subject to the Terms and Conditions of this Invitation for Bids and other contract provisions, will be received at the Office of the City Clerk, City Hall, 100 Military Plaza, 1st floor San Antonio, Tx 78205 until 2:00 P.M. CST on Tuesday, June 28, 2016 and publicly read aloud in City Council Chambers, 114 W. Commerce, Municipal Plaza Building. This is the solicitation deadline. Bids must be submitted in a sealed envelope and clearly marked with the bidder’s name, Project Name and ID NO. The City is not responsible for submissions not clearly and appropriately marked. Late submissions will be rejected and returned to bidder. A Non-Mandatory Pre-bid meeting will be held at San Antonio International Airport - Terminal A - Mezzanine, 9800 Airport Boulevard, San Antonio, TX 78216, Friday, June 3, 2016 at 2:00 P.M. Deadline for questions is Monday, June 20, 2016 at 4.00 P.M.

This invitation includes the following Contract Documents:

- 010 Invitation for Bids and Contract Signature Page
020 Bid Form
025 Unit Pricing Form
030 Contractor’s Questionnaire
040 Standard Instructions to Respondent
041 Certificate of Interested Parties (TEC Form 1295)
060 Supplemental Conditions
075 Performance Bond
076 Payment Bond
081 General conditions for Construction Contracts
105 Wage Decision
110 Prevailing Wage Rate and Labor Standard Provision
DBE Good Faith Effort Plan
Aviation Supplemental Conditions

Plans, Specifications and Special Conditions may be purchased at a cost of \$100.00 per set (tax included) from the office of RS&H, Inc., 13750 San Pedro Avenue, Suite 300, San Antonio, TX 78232; Phone 210-224-2800. No refund will be made for plan sets that are returned. Changes to Plans, Specifications and Special Conditions will be included in an addendum and will be posted on the web at http://www.sanantonio.gov/purchasing/biddingcontract/opportunities.aspx along with this solicitation. Bidder understands and agrees that bidder is responsible for obtaining addenda and adhering to all requirements in addenda. City is not responsible for incorrect information obtained through other sources.

The following documents (fully completed and with original signatures) constitute the required information to be submitted as a part of the bid proposal:

- 1) 010 Invitation for Bids & Contract Signature Page
2) 020 Bid Form
3) 025 Unit Pricing Form
4) 030 Contractor’s Questionnaire
5) Bid Bond
6) DBE Good Faith Effort Plan for Federally Assisted Construction Contracts (DBE Form 1)
7) Letter of Intent for Federally Funded Contracts (DBE Form 2)
8) Buy American Certification
9) Signed Addenda Acknowledgement Forms
10) Proof of Form 1295 with Certification Number & Date Filed

This is a Qualified Low Bid Solicitation. It is understood and agreed that the work is to be substantially completed on or before 180 calendar days. The award of a contract, if it is to be awarded, will be made within 120 calendar days of the date specified for the public bid opening. This project requires 1 project sign.

Wage Decision – Respondent shall meet the prevailing wage rate requirements established for this contract and shall reference the wage decision posted with this solicitation on the City’s website.

The undersigned, by his/her signature, represents that he/she is authorized to bind the bidder to fully comply with Contract Documents for the amount(s) shown on the accompanying bid sheet(s). The work proposed to be done shall be accepted when fully completed and finished to the entire satisfaction of the City. The undersigned certifies all prices contained in this bid have been carefully checked and are submitted as correct and final. The bidder by submitting this bid and signing below, acknowledges that he/she has received & read the entire Bid and Contract document and agrees to be bound by the terms therein, has received all Addenda, and agrees to the terms, conditions, and requirements of the bidder’s bid proposal and all documents listed in the tables above and the enabling Ordinance and associated documentation that form the entire Contract upon approval by the City Council.

Official Name of Company (legal): _____

Original Signature of Person Authorized to Sign Bid/Contract / Date Signer’s Name: _____ (Please Print or Type)

CITY OF SAN ANTONIO

Project Name: Perimeter Road Reconstruction – Package 1
ID NO.: 33-00024

Date Issued: June 17, 2016

Page 1 of 2

020

BID FORM

Legal Name of Company (print)

I. BASE BID Perimeter Road Reconstruction (Sta. 13+50 to Sta. 20+50)

Amount of Base Bid (Insert Amount in Words and Numbers): If Applicable, or write N/A, if not applicable

_____ \$ _____

Total Amount of Base Bid (Insert Amount in Words and Numbers):

_____ \$ _____

II. ALTERNATES

Amount of each Alternates (if applicable) insert in Numbers: If Applicable, or write N/A, if not applicable

Additive Alternate #1 - _____ Additional length of Perimeter Road Reconstruction (Sta. 20+50 - Sta. 25+37)

Total Amount of Bid for Additive Alternate #1 (Insert Amount in Words and Numbers):

_____ \$ _____

Additive Alternate #2 - _____

N/A

Total Amount of Bid for Additive Alternate #2 (Insert Amount in Words and Numbers):

_____ \$ _____

III. UNIT PRICES

Bidders shall submit unit pricing on the 025 Unit Pricing form, and it shall be attached immediately following this sheet.

IV. ALLOWANCES (if applicable)

Allowance 1 – Alternate Staging Area Preparation - \$15,000.00

Person Authorized to Sign Bid/Contract (Print)

Title of Person Signing

Address

Fax No.

City, State and Zip Code

Local Headquarters
 Local Branch Office
(Check one)

Telephone No.

E-mail Address

Name of the proposed **Project Manager:** _____

Name of the proposed **Site Superintendent:** _____

CITY OF SAN ANTONIO
025 UNIT PRICING FORM

Revised: June 17, 2016

PROJECT NAME: PERIMETER ROAD RECONSTRUCTION - PACKAGE 1
PROJECT NO. 33-00024

ITEM SEQUENCE NO.	ITEM NO.	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX. QUANTITIES	UNIT BID PRICE	AMOUNT
Base Bid - Sta. 13+50 to Sta. 20+50						
1	100.1	Mobilization	LS	1.0		
2	100.3	Insurance and Bonds	LS	1.0		
3	530.1	Barricades, Signs, and Traffic Handling	LS	1.0		
4	P-100-2.1	Contractor Quality Control	LS	1.0		
5	P-107-4.2	Asphaltic Concrete Pavement Removal Full Depth	SY	1,670.0		
6	P-152-4.1	Unclassified Excavation	CY	1,400.0		
7	P-156-5.1	Erosion and Sedimentation Control	LS	1.0		
8	P-156-5.2	Erosion Control Logs	LF	150.0		
9	P-156-5.4	Construction Entrance/Exit	SY	300.0		
10	P-209-5.1	Crushed Aggregate Base Course	CY	430.0		
11	P-403-8.1a	Bituminous Surface Course	TON	20.0		
12	P-403-8.1b	Bituminous Binder Course	TON	225.0		
13	247-1	Type A Grade 1 - Grade 2 Flexible Base	TON	770.0		
14	P-501-8.1	Portland Cement Concrete 8"	SY	1,920.0		
15	F-162-5.1	Temporary Fence 6' Chain Link Fence	LF	190.0		
16	D-701-5.1	Corrugated Metal Pipe 18" Diameter, Including Backfill	LF	180.0		
17	D-751-5.1	Safety End Treatment, Type II, 18" Diameter	EA	4.0		
18	T-901-5.1	Hydro-Mulch Seeding	AC	1.5		
19	T-905-5.1	Topsoiling	CY	800.0		

Total Base Bid Amount: _____

CITY OF SAN ANTONIO
025 UNIT PRICING FORM

Revised: June 17, 2016

PROJECT NAME: PERIMETER ROAD RECONSTRUCTION - PACKAGE 1
PROJECT NO. 33-00024

ITEM SEQUENCE NO.	ITEM NO.	BID ITEM DESCRIPTION	UNIT OF MEASURE	APPROX. QUANTITIES	UNIT BID PRICE	AMOUNT
Add Alternate #1 - Sta. 20+50 to Sta. 25+37						
1	100.1	Mobilization	LS	1.0		
2	100.2	Insurance and Bonds	LS	1.0		
3	530.1	Barricades, Signs, and Traffic Handling	LS	1.0		
4	P-100-2.1	Contractor Quality Control	LS	1.0		
5	P-107-4.2	Asphaltic Concrete Pavement Removal Full Depth	SY	1,300.0		
6	P-152-4.1	Unclassified Excavation	CY	800.0		
7	P-156-5.1	Erosion and Sedimentation Control	LS	1.0		
8	P-156-5.2	Erosion Control Logs	L.F.	110.0		
9	247-1	Type A Grade 1 - Grade 2 Flexible Base	TON	530.0		
10	P-501-8.1	Portland Cement Concrete 8"	SY	1,300.0		
11	F-162-5.1	Temporary Fence 6' Chain Link Fence	L.F.	170.0		
12	D-701-5.2	Corrugated Metal Pipe 30" Diameter, Including Backfill	LF	180.0		
13	D-751-5.2	Safety End Treatment, Type II, 30" Diameter	EA	4.0		
14	T-901-5.1	Hydro-Mulch Seeding	AC	1.0		
15	T-905-5.1	Topsoiling	CY	550.0		

Total Add Alternate #2 Amount: _____

Allowances						
1	100.2	Allowance 1 - Alternate Staging Area Preparation	ALLOW.	1.0	\$ 15,000.00	\$ 15,000.00

_____ 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 tabulated using these unit prices and no other information from this print-out.

_____ 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: _____

Section 030
CONTRACTOR’S QUESTIONNAIRE
PERIMETER ROAD RECONSTRUCTION – PACKAGE 1
SAN ANTONIO INTERNATIONAL AIRPORT

1. **Respondent Information:** Provide the following information regarding the Respondent.
(NOTE: Co-Respondents are two or more entities proposing as a team or joint venture with each signing the contract, if awarded. Sub-contractors are not Co-Respondents and should not be identified here. If this proposal includes Co- Respondents, provide the required information in this Item #1 for each Co-Respondent by copying and inserting an additional block(s) before Item #1.2. If Joint Venture or Partnership, attach Joint Venture or Partnership Agreement.)

Respondent Name: _____
(NOTE: Give exact legal name as it will appear on the contract, if awarded.)
Principal Address: _____
City: State: Zip Code: _____
Telephone No. _____ Fax No: _____
e-mail address: _____

List here, any other names under which Respondent has operated within the last 10 years. (add space as needed) _____

1.2 **Business Structure:** Check the box that indicates the business structure of the Respondent.
 Individual or Sole Proprietorship If checked, list Assumed Name, if any: _____
 Partnership
 Corporation If checked, check one: For-Profit Nonprofit
Also, check one: Domestic Foreign
 Other If checked, list business structure: _____

1.3 **Ownership:** Does Respondent anticipate any mergers, transfer of organization ownership, management reorganization, or departure of key personnel within the next twelve (12) months?
 Yes No

1.4 Is Respondent authorized and/or licensed to do business in Texas?
 Yes No If “Yes”, list authorizations/licenses.

1.5 Where is the Respondent’s corporate headquarters located? _____

1.6 **Debarment/Suspension Information:** Has the Respondent or any of its principals been debarred or suspended from contracting with any public entity?
 Yes No If “Yes”, identify the public entity and the name and current phone number of a representative of the public entity familiar with the debarment or suspension, and state the reason for or circumstances surrounding the debarment or suspension, including but not limited to the period of time for such debarment or suspension.

1.7 **Surety Information:** Has the Respondent ever had a bond or surety canceled or forfeited?
 Yes No If “Yes”, state the name of the bonding company, date, amount of bond and reason for such cancellation or forfeiture.

1.8 **Bankruptcy Information:** Has the Respondent ever been declared bankrupt or filed for protection from creditors under state or federal proceedings?
 Yes No If “Yes”, state the date, court, jurisdiction, cause number, amount of liabilities and amount of assets.

1.9 **LITIGATION DISCLOSURE - Failure to fully and truthfully disclose the information required by this Litigation Disclosure may result in the disqualification of your bid/proposal from consideration or termination of the contract, once awarded.**

A. Have you or any member of your Firm or Team to be assigned to this engagement ever been indicted or convicted of a felony or misdemeanor greater than a Class C in the last five (5) years?
 Yes No

B. Have you or any member of your Firm or Team been terminated (for cause or otherwise) from any work being performed for the City of San Antonio or any other Federal, State or Local Government, or Private Entity?
 Yes No

C. Have you or any member of your Firm or Team been involved in any claim or litigation with the City of San Antonio or any other Federal, State or Local Government, or Private Entity during the last ten (10) years?
 Yes No

D. Have you or any other member of your Firm or Team paid liquidated damages in the last three (3) years?
 Yes No

If you have answered “Yes” to any of the above questions, please indicate the name(s) of the person(s), the nature, and the status and/or outcome of the information, indictment, conviction, termination, claim or litigation, as applicable. Any such information should be provided on a separate page and submitted with your bid as Attachment 1.9.

2. EXPERIENCE AND QUALIFICATIONS

2.1 **Prospective Respondents must show and document that they are responsible, qualified, capable, bondable, etc. to fulfill and abide by the specifications herein listed, and prospective respondents must have the capability and capacity in all respects to fully satisfy all of the contractual requirements described in this solicitation. Prospective bidders must not have been terminated by the City on any prior projects nor have any litigation with the City for any construction project.**

- 2.2 All Respondents' facilities, personnel and equipment may be subject to inspection before contract award.
- 2.3 How many years has your current organization been doing business as a construction general contractor? _____ years. If less than three years please explain on a separate page with your bid as Attachment 2.3 your organization's construction general contractor history.
- 2.4 How many years have you been doing construction-contracting work under previous business name(s)? _____ years.
- 2.5 **RELEVANT EXPERIENCE WITH AIRPORT PAVING PROJECTS:** Bids shall be considered from responsible respondents with experience in airport construction projects using Federal Aviation Administration (FAA) funds and construction specifications. The respondent's experience, in combination with its subcontractors' experience, should include three (3) airport paving projects, **or projects of a similar nature,** within the last five (5) years which include **airport** paving, as a minimum.

Contractor should include Project Summary Sheets that demonstrate knowledge of sequencing, staging and constructing challenges in limited areas and schedules for work due to airport environments. Project Summary Sheets should describe specific experience with paving, drainage and grading using FAA construction specifications. Each Project Summary Sheet should include: project name, project scope, location, duration (start and end dates), reference (owner name with a phone number and e-mail address), Original and final contract amount, date of final completion and names of project manager, superintendent, estimator and project engineer. The respondents should include the said "Project Summary Sheets" as Attachment 2.5 for Section 030, Contractor's Questionnaire. Bids submitted without required experience and documentation of airport paving projects may be deemed non-responsive.

3. FINANCIAL

- 3.1 Please indicate the current limit of your BONDING CAPACITY: _____ . **This limit indication reduces your risk of forfeiting a bid bond.** Properly informing the CITY of your current capacity for BONDED work allows the determination of awards in cases where a CONTRACTOR has the low bids for multiple projects and that total amount exceeds the capacity for bonding. If this section is left blank, CONTRACTOR agrees to be fully responsible for all active bid submissions to the limit of their respective bid bonds.
- 3.2 How much work is your firm currently contracted to provide? I.E. current total amount of work in dollars from ALL sources.

\$ _____

DIVISION I - EARTHWORK

ITEM

100 MOBILIZATION

100.1. DESCRIPTION: *Establish and remove offices, plants, and facilities. Move personnel, equipment, and supplies to and from the project or the vicinity of the project site to begin work or complete work on Contract Items.*

100.2. MEASUREMENT: This Item will be measured by the lump sum as the work progresses.

100.3. PAYMENT: Partial payments of the lump sum bid for mobilization will be as follows. The adjusted Contract amount for construction Items as used below is defined as the total Contract amount less the lump sum for mobilization.

- A. Payment will be made upon presentation of a paid invoice for the payment bond, performance bond, and required insurance. The combined payment for bonds and insurance will be no more than 10% of the mobilization lump sum or 1% of the total Contract amount, whichever is less.
- B. Payment will be made upon verification of documented expenditures for plant and facility setup. The combined amount for all these facilities will be no more than 10% of the mobilization lump sum or 1% of the total Contract amount, whichever is less.
- C. When 1% of the adjusted Contract amount for construction Items is earned, 50% of the mobilization lump sum bid or 5% of the total Contract amount, whichever is less, will be paid. Previous payments under this Item will be deducted from this amount.
- D. When 5% of the adjusted Contract amount for construction Items is earned, 75% of the mobilization lump sum bid or 10% of the total Contract amount, whichever is less, will be paid. Previous payments under the Item will be deducted from this amount.
- E. When 10% of the adjusted Contract amount for construction Items is earned, 90% of the mobilization lump sum bid or 10% of the total Contract amount, whichever is less, will be paid. Previous payments under this Item will be deducted from this amount.
- F. Payment for the remainder of the lump sum bid for "Mobilization" will be made on the next estimate cycle after the initial retainage estimate or at final acceptance for projects without retainage.

Payment for Mobilization shall not exceed eight (8) percent of the total bid price for the base bid and shall not exceed eight (8) percent for the total of each of the additive alternate bid amounts.

100.4. BID ITEM:

Item 100.1 - Mobilization (maximum of 8%) - lump sum

Item 100.2 - Insurance and Bond - lump sum

ITEM

530 BARRICADES, SIGNS, AND TRAFFIC HANDLING

530.1. DESCRIPTION: *This item shall govern for providing, installing, moving, repairing, maintaining, cleaning and removing upon completion of work, all barricades, signs, cones, lights and other such type devices and of handling traffic as indicated on the plans or as directed by the Engineer.*

530.2. GUIDELINES FOR BARRICADING ON CITY RIGHT-OF-WAY: The barricade contractor must locally maintain sufficient materials in stock to accommodate three or more construction phases per project. These will include all applicable traffic control sign types, trucks, trailers, arrow boards, and all other traffic control devices assigned to the Contractor's barricading operation.

The *Texas Manual on Uniform Traffic Control Devices (TMUTCD)*, Section 6A-6, requires the appropriate training for all personnel who are involved in the selection, placement, and maintenance of traffic control devices on construction projects. The City of San Antonio requires that all personnel associated with barricading operations and traffic handling possess certificates from either of the two groups listed in Table 1 below. Each certificate will be valid for four years.

**Table 1
Barricading Training**

Texas Engineering Extension Service	American Traffic Safety Service Association
Work Zone Traffic Control	Training Course for Worksite Traffic Supervisors

The Contractor shall have a minimum of one barricade supervisor and three persons who are responsible for construction work zone traffic control. These persons shall be based in the San Antonio metropolitan area and their sole tasks shall be implementing and maintaining construction work zone traffic control devices.

The Contractor shall have a commercial telephone answering service during non-working hours. The Contractor shall provide the City during working hours with an office telephone number, pager number, and cellular telephone number to contact the barricading supervisor. The contractor must be able to respond to any call within two hours. The barricading contractor or General Contractor must possess liability insurance in the minimum amount of one million dollars. A copy of the liability policy must be sent to the City Traffic Engineer for approval 48 hours prior to starting barricading operations.

The contractor shall comply with all standards set forth in the plan barricade detail sheets. One noncompliance letter issued by the City to the Contractor in regard to construction work zone traffic control, and not corrected within 48 hours, will be cause for delay of payment for this item.

If the general contractor elects to do his own barricading, he must comply with all the foregoing requirements. Additionally, a general contractor will be required to submit a traffic control plan (TCP) at least 72 hours in advance (excluding weekends and holidays) of starting work in each construction phase. Upon satisfactory evidence of competent barricading expertise, this requirement for a traffic control plan may be waived by the City Traffic Engineer.

530.3. EQUIPMENT: Provide the machinery, tools and equipment necessary for proper prosecution of the work. All machinery, tools and equipment used shall be maintained in a satisfactory and workmanlike manner.

530.4. CONSTRUCTION: All barricades, signs, and other types of devices listed above shall conform to the requirements of the TMUTCD. It is the contractor's responsibility to see that all traffic control devices are properly installed and maintained at the job site. If it is determined by the Traffic Engineering Representative that the traffic control devices do not conform to the established standards, or are incorrectly placed to protect the general public, the Traffic Engineer shall have the option to stop the work, at no expense to the City, until the situation is corrected by the Contractor. If it is determined that additional temporary traffic control devices, special directional devices, and/or business name signs are required, they will be provided by the contractor at no additional cost. As work progresses, the location of temporary traffic control devices will be adjusted and modified as necessary by the Contractor.

All retro reflective traffic control devices such as barricades, vertical panels, signs, etc., shall be maintained by cleaning, replacing or a combination thereof such that during darkness and rain, the retro reflective characteristics shall equal or exceed the retro reflective characteristics of the standard reflective panels in the Inspector's possession.

The contractor shall contact the City of San Antonio Traffic Operations Section prior to removing any traffic signs or traffic signals. Prior to completion of the contract and removal of barricades, all applicable permanent traffic signs and signals must be in place and functioning properly. All permanent signs or traffic control devices missing or damaged during construction shall be replaced at the contractor's expense. Permanent pavement marking shall be applied prior to the opening of any street to traffic. Temporary short-term expendable pavement markings may be provided prior to application of permanent markings.

The contractor must maintain all streets open to through traffic by repairing trenches, potholes, etc., at no direct payment. The contractor shall provide reasonable access to residences and all businesses within all phases of the work, as well as providing suitable access accommodations for school children, pedestrians, garbage pick-up and mail delivery by the US Postal Service. Temporary pedestrian crossing will be determined in the field by the Police Department School Services Unit. Temporary pedestrian crossings shall be 4 feet wide by 4 inches thick asphalt treated base or asphaltic concrete and will be paid for under Item 206, "Asphalt Treated Base" or Item 205, "Hot Mix Asphaltic Concrete Pavement," respectively.

When flagging is required by the plans or Traffic Control Plan, provide a Contractor representative who has been certified as a flagging instructor through courses offered by the Texas Engineering Extension Service, the American Traffic Safety Services Association, the National Safety Council, or other approved organizations. Provide the certificate indicating course completion when requested. This representative is responsible for training and assuring that all flaggers are qualified to perform flagging duties. A qualified flagger must be independently certified by one of the organizations listed above or trained by the Contractor's certified flagging instructor. Provide the Engineer with a current list of qualified flaggers before beginning flagging activities. Use only flaggers on the qualified list.

Flaggers must be courteous and able to effectively communicate with the public. When directing traffic, flaggers must use standard attire, flags, signs, and signals and follow the flagging procedures set forth in the TMUTCD.

530.5. MEASUREMENT: This item will be measured by "Lump Sum" as indicated on the plans.

530.6. PAYMENT: This item will be paid for at the contract lump sum price bid for “barricades, signs, and traffic handling”. This price shall be full compensation for furnishing all labor, materials, supplies, equipment and incidentals necessary. To complete the work as specified. The lump sum price will be pro-rated based on the number of workdays in the project contract. Failure to complete the work within time allowed in the project contract due to approving designs, testing, material shortages, closed construction season, curing periods, and testing periods will not qualify for additional compensation. When additional work is added by an approved field alteration or when work is suspended for the convenience of the City, through no fault of the contractor, additional compensation may be paid to the Contractors.

530.7. BID ITEM:

Item 530.1 - Barricades, Signs and Traffic Handling - lump sum

**CITY OF SAN ANTONIO
ACKNOWLEDGEMENT FORM
ADDENDUM #4**

Receipt of **Addendum Number Four (4)** is hereby acknowledged for plans and specifications for construction of **PERIMETER ROAD RECONSTRUCTION – PACKAGE 1** for which bids will be opened on **Tuesday, June 28, 2016**.

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

COMPANY NAME: _____

ADDRESS: _____

CITY/STATE/ZIP _____

DATE: _____

SIGNATURE: _____

PRINT NAME/TITLE: _____