

**SPECIFICATIONS
FOR
2016 - 2017 TASK ORDER CONTRACT
FOR
PAVEMENT MARKINGS**

CITY OF SAN ANTONIO

CITY MANAGER

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Project Description

Project Scope

The City of San Antonio is soliciting bids from qualified contractor(s) to install, replace, retrace or remove Hot Applied Thermoplastic Pavement Markings, Preformed Pavement Markings, Raised Pavement Markers, Delineators and Object Markers throughout the City of San Antonio on a task order basis.

Services may include, but are not limited to, the installation, removal replacement or retracing of line, symbol or word thermoplastic markings and raised pavement markers which include reflectorized and non-reflectorized traffic buttons, pavement markers and jiggle bars.

The following road segments have been identified as pavement marking maintenance projects for possible completion under this contract. These locations are provided for planning purposes and are subject to change at the discretion of the project manager.

STREET NAME	FROM	TO
Callaghan Rd	Vance Jackson	US Hwy 90 W Access Rd
Lorene	McCarty	Lockhill-selma Rd
3rd St	Taylor St	Bonham
Martin St	IH 35 N Access Rd	Taylor St
Mccullough Ave	IH 35 Access Rd	IH 37 S Access Rd
Rampart	McCullough Ave	San Pedro Ave
Urban Loop	Nueva	Santa Rosa
Ray Bon Dr	Eisenhauer Rd	Village Haven
Walzem Rd	IH 35 N Access Rd	Austin Hwy
Hot Wells	S Presa St	Goliad Rd
Ansley Blvd	IH 35 S Access Rd	Dead End
W Ansley Blvd	Dead End	Lytle Ave
Marbach Rd	Pinn Rd	City Limit Line
Medina Base Rd	Ray Ellison Blvd	Old Pearsall Rd
Springvale	Aldrich	Us Hwy 90
Marbach Rd	Rawhide Ln	Ingram Rd
W Martin St	IH 35 N Access	N General McMullen
Rim Rock Trl	Culebra Rd	Cul-de-sac
Senisa Spgs	Lauren Mist	Westover Hills Blvd
Alexa Place	Senisa Spgs	Lauren Mist
Timber View Dr	Star Creek Dr	Pipers Ln
Evers Rd	Bandera Rd	Prentiss Dr
Mt Perkins	Mt. Boracho	Blanco
Mt. Boracho	Cerro Alto	Mt. Perkins

E & W Ramsey Rd.	Jones Maltsberger Rd	Blanco Rd
Fountainwood Dr	O'Connor Rd	Judson Rd

Project Duration and Amount

This contract is a Task Order contract and task orders will be provided based on available funding. The contract shall be terminated 365 calendar days after the first task order's notice to proceed. The construction time allotted for each task order will be determined by the City of San Antonio's Project Manager.

Important Notes

1. All work shall follow the current version of the Texas MUTCD, applicable City of San Antonio Standard Sheets, the 2008 Edition of the "Standard Specifications for Construction" and Special Provisions published by the City of San Antonio.
2. All cost associated with the following items shall be subsidiary to the various other applicable items:
 - A. Insurance and Bond
 - B. Item 100 - Mobilization
 - C. Item 101 - Preparing of Right of Way
 - D. Item 530 - Barricades, Signs and Traffic Handling
 - E. Item 540 - Storm Water Pollution Prevention Plans (SW3P)
3. Unit prices established shall remain valid throughout the duration of the contract.
4. **The quantities shown are estimated quantities used for budgetary purposes only. There is no minimum guarantee on the amount of work shown on the proposal with the awarding of this contract.**
5. The projects will be assigned as they become available through the individual task orders. Specific project information including project limits, work required time allotted for task order and estimated quantities will be provided with each Task Order. Task Orders will be coordinated with Contractor prior to issuance.
6. Workers exposed to traffic will be attired in bright, highly visible clothing at all times and all workzone safety rules must be adhered to.
7. The Contractor shall continuously execute work until work is completed.
8. **The City of San Antonio expects "priority" service regarding the scheduling, timely completion and quality assurance of all work being completed under this contract. Contractor is expected to be sufficiently**

staffed to be able to complete pavement markings on up to 5 task orders concurrently with no delay.

9. Before beginning work, contractor shall provide a written schedule of work for each Task Order. Work for each task order shall be scheduled to comply with the time allowance defined in each Task Order. Any deviation from this schedule will require approval from the City of San Antonio's Project Manager prior to implementation of the schedule change.
10. Any damage done by the contractor while performing the work under this contract will be corrected by the contractor at his expense. The decision to repair or replace items damaged will be at the City of San Antonio's Project Manager's discretion.
11. The Contractor shall complete the placement of raised reflective pavement markers, legends, stop bars, and crosswalks within ten (10) calendar days following the placement of long lane thermoplastic pavement markings.
12. The contractor shall present to the City of San Antonio a QA/QC plan that will be implemented to ensure all work performed under this contract is of the highest quality. Quality work is expected at all times. Work that does not meet the specifications and is deemed non-quality by the City of San Antonio's Project Manager will be re-done at the Contractor's expense.
13. The contractor shall establish the appropriate Temporary Traffic Control in accordance with Part 6 – Temporary Traffic Control, Chapter 6H. Typical Applications of the Texas MUTCD.
14. Hot Applied Thermoplastic furnished under this contract shall be in accordance with TxDOT DMS-8220 "Hot Applied Thermoplastic".
15. Traffic Paint furnished under this contract shall be in accordance with TxDOT DMS-8200 "Traffic Paint."
16. Glass beads furnished under this contract shall be Type III beads in accordance with TxDOT DMS-8290, "Glass Traffic Beads."
17. Delineator and Object Marker assemblies furnished under this contract shall be fabricated in accordance with TxDOT DMS-8600, "Delineators, Object Markers and Barrier Reflectors" and with TxDOT DMS-4400, "Flexible Delineator and Object Marker Posts (Embedded and Surface-Mount Types)."
18. Preformed Pavement Markings furnished under this contract shall be Type C – Heat Applied be in compliance with TxDOT DMS-8240 Permanent Prefabricated Pavement Markings. Only Type C – Heat Applied material listed on the TxDOT Material Producer List (MPL) entitled "Permanent Prefabricated

Pavement Markings” shall be accepted. Prior to installation of any preformed pavement markings, contractor shall provide manufacturer information on the material to be used to the City of San Antonio’s Project Manger’s for review and approval.

19. All work associated with this contract shall be in compliance with all the Standard Details for Construction as set forth in the City of San Antonio Standard Specifications for Construction – June 2008 to include but limited to the following, as appropriate:

TRAFFIC REGULATORY STANDARDS FOR PROJECT CONSTRUCTION SITES AND SURROUNDING AREAS	
Barricade and Construction Standards 1 of 4	Jun-2005
Barricade and Construction Standards 2 of 4	Jun-2005
Barricade and Construction Standards 3 of 4	Jun-2005
Barricade and Construction Standards 4 of 4	Jun-2005
TRAFFIC ENGINEERING STANDARDS FOR PAVEMENT MARKINGS DESIGNATING TRAFFIC LANES, LANE USAGE & LANE REGULATIONS AND PEDESTRIAN/BICYCLIST ACCOMMODATIONS	
Left-Turn "ONLY" and Arrow Spacing Worksheet 1 of 16	Sep-2009
Standard Pavement Markings (WORDS) 2 of 16	Sep-2009
Standard Pavement Markings (ARROWS) 3 of 16	Sep-2009
Raised Pavement Markers for Position Guidance 1 4 of 16	Sep-2009
Markers, Traffic Buttons & Jiggle Bar Tiles 2 5 of 16	Sep-2009
Pavement Markings for Accessible Parking 6 of 16	Sep-2009
Railroad Crossing Pavement Marking (RCPM) Details 7 of 16	Sep-2009
Bicycle Lane Pavement Markings 8 of 16	Sep-2009
Typical Crosswalk Details 9 of 16	Sep-2009
Left-Turn Lane & Right-Turn Lane Design Worksheet 1 10 of 16	Sep-2009
Left-Turn Lane & Right-Turn Lane Design Worksheet 2 11 of 16	Sep-2009
Two-Way Left-Turn Lane Details 1 12 of 16	Sep-2009
Two-Way Left-Turn Lane Details 2 13 of 16	Sep-2009
Standard Cross-Over Median Opening 1 14 of 16	Sep-2009
Standard Cross-Over Median Opening 2 15 of 16	Sep-2009
Standard Cross-Over Median Opening 3 16 of 16	Sep-2009

SPECIAL PROVISIONS

All work shall conform to the latest edition of the “Standard Specifications for Construction” published by the City of San Antonio and these Special Provisions.

Item 100: Mobilization

Mobilization will not be paid for directly, but will be subsidiary to the various bid items.

Item 101: Preparing Right – of – Way

The contractor will be responsible for obtaining all permits required to complete the assigned task orders to include all required permits. Removal of all debris and obstacles as needed to apply pavement markings on pavement surface is included in this item. This item will not be paid directly, but will be subsidiary to the various bid items.

Item 530: Barricades, Signs & Traffic Handling

The contractor will be responsible for furnishing and installing all signs, barricades, and other incidentals necessary for proper traffic control, in accordance with Part VI of the Texas MUTCD, the attached Work Zone Standards and as directed by the engineer. All warning signs shall be factory made and in satisfactory condition.

In the event of non-compliance with the Texas MUTCD, the ROW user shall be notified in writing on the violation. In the event of continued non-compliance, the Director of Public Works may revoke the Permit, in addition to any other remedies available to the City.

Lane closures will require prior approval and shall be coordinated with the City's Row of Way Management Office.

Normal working hours will be 9 a.m. to 4 p.m., Monday through Friday. When directed, high traffic volumes in urban areas will require work during non-peak hours, weekends, and nights. No work to be performed on National holidays or State observed holidays unless otherwise shown on plans or approved. If weather conditions allow night application, night work is acceptable.

Shadow vehicles equipped with Truck Mounted Attenuators (TMA) may be required for long lane and raised pavement marking applications as shown on the standard sheets.

Traffic control setup and maintenance will not be paid for directly, but will be subsidiary to the various bid items.

Item 531: Signs

All signs shall be manufactured and installed in accordance with the Texas MUTCD and applicable City of San Antonio Standard Sheets.

Item 533: Cleaning and Removal of Pavement Markings and Markers

All pavement surfaces shall be cleaned prior to installation of any pavement markings or pavement markers. Cleaning shall be in accordance with this item. Cleaning of

pavement surface will not be paid directly and shall be subsidiary to the various pay items.

Existing pavement markings to be eliminated shall be identified in each Task Order. When required, removal of existing pavement markings and markers shall be in accordance with Item 533 Cleaning and Removal of Pavement Markings and Markers. Measurement of removal of existing pavement markings shall be by the appropriate unit shown in the bid items.

The contractor is expected to remove all raised pavement markers as part of surface preparation in accordance with Item 533. No payment will be made directly for elimination of raised pavement markers but shall be considered subsidiary to the various bid items.

The unit bid price for Eliminating Existing Pavement Markings and Markers shall be full compensation for all work performed; for all materials, tools, equipment, labor and incidentals necessary to complete the work. The unit bid price for Eliminating Existing Pavement Markings and Markers will be full compensation for removal of all pavement markings and associated raised pavement markers.

Grinding is not an acceptable method of pavement marking or marker removal unless otherwise approved by the City of San Antonio's Project Manager.

Contractor shall take care to avoid any damage to the roadway. Damage to the roadway caused by the removal of pavement markings or markers shall be repaired by the Contractor at the contractor's expense. Repair shall be as directed by the City of San Antonio's Project Manager.

Covering of existing markings with seal coat or paint, etc. is not permitted unless approved by the City of San Antonio's Project Manager.

Item 535: Hot Applied Thermoplastic Pavement Markings

All surfaces shall be prepared as specified in Item 535 Hot Applied Thermoplastic Pavement Markings. All pavement markings and markers shall be placed in accordance with the Texas MUTCD and the City of San Antonio Standard Sheets. The Contractor shall avoid shadow effect when retracing by applying slightly wider striping (1/8" to 1/4") to cover old existing markings. Application of slightly wider striping (1/8" to 1/4") to avoid shadow effect will not be paid directly, but will be subsidiary to the various bid items.

Sealer may be required when legends and symbols are installed, if the inspector determines pavement condition will not allow proper adhesion of thermoplastic material to the pavement surface. Application of sealer will not be paid for directly.

For payment purposes, the RR X-ING Symbol will be measured and paid for as each RR X-ING Symbol in place under Item 535.14. The transverse markings and lane lines will be measured and paid for by the linear foot of the appropriate bid item.

All pavement markings shall be Hot Applied Thermoplastic Pavement Markings unless specifically noted on the Task Order issued.

Item 536: Preformed Pavement Markings

With the City of San Antonio's Project Manager's approval, Preformed Pavement Markings can be utilized should the roadway conditions not allow for the use of hot applied thermoplastic as determined by the City's inspector.

Use of preformed pavement markings will be determined on a case-by-case basis.

Item 537: Raised Pavement Markers

Place raised reflective pavement markers at locations indicated in the Task Orders. All existing raised reflective pavement markers that are to remain in place, and are damaged due to Contractor neglect, will be removed and replaced at the Contractor's expense.

Item 540: Temporary Erosion, Sedimentation, and Water Pollution Prevention and Control

Cost associated with this item, if necessary, will not be paid for directly, but will be subsidiary to the various bid items.

Item 575: Installation of Bolt Down Curbing

This bid item will be used for payment of installation of bolt down curbing or other type of similar device for which installation requires bolting into the asphalt pavement. The CoSA will provide the item to be installed. Measurement will be by each item installed. This price will be full compensation for installation to include surface preparation, installation, labor, equipment, tools and all incidentals necessary to complete the work.

Item 666: Reflectorized Pavement Markings

Pavement markings under this bid item shall be Type II Pavement Markings "Traffic Paint" in accordance with Item 666: Reflectorized Pavement Markings as specified in the Texas Department of Transportation Standard Specifications For Construction and Maintenance of Highways, Streets, and Bridges adopted on June 1, 2004 and all the approved revisions and Special Provisions.

Use of Type Pavement Markings "Traffic Paint" shall be **specifically** noted on the Task Order.

**CITY OF SAN ANTONIO, TEXAS
GOVERNING SPECIFICATIONS**

All City of San Antonio Standard Specifications and Special Specifications applicable to this project are identified as follows:

**CITY OF SAN ANTONIO
STANDARD SPECIFICATIONS FOR CONSTRUCTION
JUNE 2008 AND LATEST REVISIONS**

<u>ITEM</u>	<u>DESCRIPTION</u>
100	Mobilization
101	Preparing Right – of – Way
530	Barricades, Signs & Traffic Handling
531	Signs
533	Cleaning and Removal of Pavement Markings and Markers
535	Hot Applied Thermoplastic Pavement Markings
536	Preformed Pavement Markings
537	Raised Pavement Markers
540	Temporary Erosion, Sedimentation, and Water Pollution Prevention and Control

**Texas Department of Transportation
Standard Specifications for Construction and Maintenance
of Highways, Streets and Bridges
2014 Standard Specifications Book**

<u>ITEM</u>	<u>DESCRIPTION</u>
TxDOT ITEM 658	Delineator and Object Marker Assemblies
TxDOT ITEM 666	Retroreflectorized Pavement Markings