SAN ANTONIO WATER SYSTEM 2013 REHABILITATION WORK ORDER CONSTRUCTION CONTRACT 2 SAWS JOB NO. 13-4505 SAWS SOLICITATION NO. B-13-016-DB

ADDENDUM NO. 1 January 18, 2013

This addendum, applicable to work designed above, is an amendment to the bidding and specification documents and as such shall be a part of and included in the Contract Documents. Acknowledge receipt of this addendum by entering the addendum number and issue date in the spaces provided on all submitted copies of the proposal.

Addenda Purpose:

- **MODIFICATION TO BID PROPOSAL AND SPECIAL CONDITIONS:** See attached revised Bid Proposal and Special Conditions.
- **2.0 ADDITION OF TXDOT DETAILS:** Please include attached TxDOT Details in specification.
- 3.0 TO PROVIDE NOTES FROM PRE-BID MEETING:

 Meeting Notes are attached for information only. The pre-bid meeting sign-in sheet has been posted previously on the SAWS website.

ACKNOWLEDGEMENT BY BIDDER

Each bidder is requested to acknowledge receipt of this Addendum No. 1 by his/her signature affixed hereto and to file same and attach with his/her bid.

The undersigned acknowledges receipt of this Addendum No. 1 and the bid submitted herewith is in accordance with the information and stipulations set forth.

DATE	SIGNATURE	
	END OF ADDENDUM NO. 1	

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SANDRA L. GOMEZ

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Addendum 1

_____Dollars

and _____ Cents SY

PROPOSAL PROPOSAL OF _______, a corporation a partnership consisting of ____ and an individual doing business as _____ TO THE SAN ANTONIO WATER SYSTEM: Pursuant to Instruction and Invitations to Bidders, the undersigned proposes to furnish all labor and materials as specified and perform the work required for the rehabilitation of sanitary sewer mains by pipe bursting, cured-in-place pipe, and sliplining methods and required appurtenances for San Antonio Water System (SAWS) in accordance with the Plans and Specifications for the 2013 Rehabilitation Work Order Construction Contract 2, Job No. 13-4505. The undersigned acknowledges and understands that all projects are unspecified at the time of bidding, all quantities are estimated, and it is the intent of this proposal and quantities herein to establish a unit price for various line items to be paid the Contractor by SAWS on an annual basis. No change in the unit price will be made, regardless of the actual quantity of the item of work performed. The work will be performed for the following prices to wit: **Total Price** Item Description Unit Quantity Unit Price (Unit Price to be written in Words) No. (Figures) (Figures) 103.1 Remove Concrete Curb _____ Dollars and _____ Cents LF 25 103.3 Remove Sidewalks and Driveways Dollars and _____ Cents SF 25 200.1 Flexible Base (6" Compacted Depth, Type A)

BP-1 Addendum 1

100

Item No.	Description (Unit Price to be written in Words)	Unit	Quantity	Unit Price (Figures)	Total Price (Figures)
202.1	Prime Coat				
	Dollar	s			
	and Cents	GAL	20		
203.1	Tack Coat				
	Dollar	s			
	and Cents	GAL	20		
205.2	Hot Mix Asphaltic Pavement, Type	B (6" Pav	ement Thickr	ness)	
	Dollar	s			
	and Cents	SY	20		
205.2	Hot Mix Asphaltic Pavement, Type	B (8" Pav	ement Thickr	ness)	
	Dollar	s			
	and Cents	SY	20		
205.3	Hot Mix Asphaltic Pavement, Type	C (1.5" P	avement Thic	kness)	
	Dollar	s			
	and Cents	SY	20		
205.3	Hot Mix Asphaltic Pavement, Type	C (2" Pav	ement Thickr	ness)	
	Dollar	s			
	and Cents	SY	20		
205.4	Hot Mix Asphaltic Pavement, Type	D (1.5" P	avement Thic	kness)	
	Dollar	s			
	and Cents	SY	100		

BP-2 Addendum 1

Item No.	Description (Unit Price to be written in Words)	Unit	Quantity	Unit Price (Figures)	Total Price (Figures)
205.4	Hot Mix Asphaltic Pavement, Type D) (2" Pa	vement Thickn	ness)	
	Dollars				
	and Cents	SY	100		
206.1	Asphalt Treated Base (10" Compacte	d Depth)		
	Dollars				
	and Cents	SY	100		
208.1	Salvaging, Hauling, and Stockpiling Reclaimable Asphaltic Pavement (1.5	5" Depth)		
	Dollars				
	and Cents	SY	100		
208.1	Salvaging, Hauling, and Stockpiling Reclaimable Asphaltic Pavement (2"	Depth)			
	Dollars				
	and Cents	SY	100		
247	Flexible Base - Type A, Grade I with	2% Cer	ment (TxDOT	Spec.)	
	Dollars				
	and Cents	CY	50		
340	HMAC Pavement Type "C" (10" Cor	npacted	Depth, TxDO	T Spec.)	
	Dollars				
	and Cents	CY	15		
500.1	Concrete Curb				
	Dollars				
	and Cents	LF	25		

BP-3 Addendum 1

Item No.	Description (Unit Price to be written in Words)	Unit	Quantity	Unit Price (Figures)	Total Price (Figures)
500.4	Concrete Curb and Gutter				
	Dollars	S			
	and Cents	LF	10		
502.1	Concrete Sidewalks - Conventionally	y Formed	i		
	Dollars	S			
	and Cents	SY	25		
503.1	Portland Cement Concrete Driveway				
	Dollars	3			
	and Cents	SY	15		
503.2	Portland Cement Concrete Driveway	- Comm	nercial		
	Dollars	3			
	and Cents	SY	15		
503.4	Asphaltic Concrete Driveway				
	Dollars	3			
	and Cents	SY	15		
504.1	Concrete Median				
	Dollars	3			
	and Cents	SY	5		
504.2	Concrete Directional Island				
	Dollars	3			
	and Cents	SY	5		

Item No.	Description (Unit Price to be written in Words)	Unit	Quantity	Unit Price (Figures)	Total Price (Figures)			
505.1	Concrete Riprap (5" Thick)							
	Dollar	s						
	and Cents	s SY	10					
506.1	Concrete Retaining Walls - Combina	ation Typ	e					
	Dollar	s						
	and Cents	S CY	5					
508.1	Relocating Wire Fence							
	Dollar	s						
	and Cents	s LF	5					
509.1	Metal Beam Guard Rail							
	Dollar	S						
	and Cents	s LF	5					
511.3	Replacing with Hot Mix Asphaltic Concrete Pavement (2" Type D & 10" Type B)							
	Dollar	s						
	and Cents	s SY	50					
511.3	Replacing with Hot Mix Asphaltic C	Concrete 1	Pavement (3"	Туре D & 10" Ту	pe B);			
	Dollar	s						
	and Cents	s SY	25					
515	Topsoil							
	Dollar	s						
	and Cents	s CY	15					

BP-5 Addendum 1

Item No.	Description (Unit Price to be written in Words)	Unit	Quantity	Unit Price (Figures)	Total Price (Figures)
516.1	Bermuda Sodding				
	Dollars				
	and Cents	CY	15		
516.2	St. Augustine Sodding				
	Dollars				
	and Cents	SY	15		
518.1	Shrubs				
	Dollars				
	and Cents	EA	5		
518.2	Landscaping/Flower Beds				
	Dollars				
	and Cents	SY	15		
520.1	Hydromulching (Residential or Comr	nercial)			
	Dollars				
	and Cents	SY	15		
530.1	Barricades, Signs and Traffic Handlin	ng			
	Dollars				
	and Cents	EA	15		
550.1	Trench Excavation Safety Protection				
	Dollars				
	and Cents	LF	50		

BP-6 Addendum 1

Item No.	Description (Unit Price to be written in Words)	Unit	Quantity	Unit Price (Figures)	Total Price (Figures)
553	Storm Water Pollution Prevention Pl	an (SW3	SP)		
	Dollars	S			
	and Cents	EA	5		
805	Traffic Control Plan (1 per work order	er, if requ	uired)		
	Dollars	S			
	and Cents	EA	15		
850	Sanitary Sewer Structure, Type B Str	ructure ((0'-6')		
	Dollars	S			
	and Cents	EA	1		
850	Extra Depth, Type B Structure (>6' I	Depth)			
	Dollars	S			
	and Cents	VF	1		
850	Sanitary Sewer Structure, Type C Str	ructure ((0'-6')		
	Dollars	S			
	and Cents	EA	1		
850	Extra Depth, Type C Structure (>6' I	Depth)			
	Dollars	S			
	and Cents	VF	1		
851	Adjusting Existing Manholes				
	Dollars	8			
	and Cents	EA	10		

BP-7 Addendum 1

Item No.	Description (Unit Price to be written in Words)	Unit	Quantity	Unit Price (Figures)	Total Price (Figures)
852.1	Sanitary Sewer Manhole (0'-6')				
	Dollars				
	and Cents	EA	10		. <u></u>
852.2	Sanitary Sewer Drop Manhole (0'-6')			
	Dollars				
	and Cents	EA	1		
852.3	Extra Depth Manholes (>6')				
	Dollars				
	and Cents	VF	5		· ·
853	Sanitary Sewer Manholes, Glass-fib	er reinfo	orced polyester	(FRP)	
	Dollars				
	and Cents	EA	1		· ·
854	Sanitary Sewer Laterals				
	Dollars				
	and Cents	LF	50		· ·
854.1	Two-Way Sanitary Sewer Clean-out				
	Dollars				
	and Cents	EA	10		
855	Reconstruction of Existing Manhole				
	Dollars				
	and Cents	EA	10		· · ·

Item No.	Description (Unit Price to be written in Words)	Unit	Quantity	Unit Price (Figures)	Total Price (Figures)		
858	Concrete Encasement, Cradles, Sa	ddles and	l Collars				
	Dolla	rs					
	and Cent	ts CY	20				
865	Sewer Main Television Inspection	(8" throu	gh 15" Diamet	ter)			
	Dolla	rs					
	and Cent	ts LF	10,000				
865	Sewer Main Television Inspection	(18" thro	ough 24" Diam	eter);			
	Dolla	rs					
	and Cent	ts LF	250				
865	Sewer Main Television Inspection	(27" thro	ough 36" Diam	eter)			
	Dolla	rs					
	and Cent	ts LF	25				
865	Sewer Main Television Inspection (42" through 48" Diameter)						
	Dolla	rs					
	and Cent	ts LF	25				
865	Sewer Main Television Inspection	(54" thro	ough 60" Diam	eter)			
	Dolla	rs					
	and Cent	ts LF	25				
868.1	Sewer Main Cleaning - Normal (8	" through	15" Diameter)			
	Dolla	rs					
	and Cent	ts LF	5,000				

BP-9 Addendum 1

Item No.	Description (Unit Price to be written in Words)	Unit	Quantity	Unit Price (Figures)	Total Price (Figures)		
868.1	Sewer Main Cleaning - Normal (18	" throug	h 24" Diameter)			
	Dollars	S					
	and Cents	LF	250				
868.1	Sewer Main Cleaning - Normal (27	" throug	h 36" Diameter)			
	Dollars	S					
	and Cents	LF	25				
868.1	Sewer Main Cleaning - Normal (42"	through	48" Diameter)	;			
	Dollars	S					
	and Cents	LF	25	- <u></u>			
868.1	Sewer Main Cleaning - Normal (54	" throug	h 60" Diameter)			
	Dollars	S					
	and Cents	LF	25				
868.1	Sewer Main Cleaning - Mechanical (8" through 15" Diameter)						
	Dollars	S					
	and Cents	LF	1,500				
868.1	Sewer Main Cleaning - Mechanical	(18" thr	ough 24" Diam	eter)			
	Dollars	S					
	and Cents	LF	250				
868.1	Sewer Main Cleaning - Mechanical	(27" thr	ough 36" Diam	eter);			
	Dollars	S					
	and Cents	LF	25				

BP-10 Addendum 1

Item No.	Description (Unit Price to be written in Words)	Unit	Quantity	Unit Price (Figures)	Total Price (Figures)
868.1	Sewer Main Cleaning - Mechanical	(42" thr	ough 48" Dian	neter)	
	Dollars				
	and Cents	LF	25		
868.1	Sewer Main Cleaning - Mechanical ((54" thro	ough 60" Diam	neter)	
	Dollars	1			
	and Cents	LF	25		
900.1	Pipe Bursting 8" Sanitary Sewer Pipe	e, all de _l	pths		
	Dollars				
	and Cents	LF	7,000		
900.1	Pipe Bursting 10" Sanitary Sewer Pi	pe, all d	epths		
	Dollars				
	and Cents	LF	1,500		· · ·
900.1	Pipe Bursting 12" Sanitary Sewer Pi	pe, all d	epths		
	Dollars				
	and Cents	LF	3,000		
900.1	Pipe Bursting 15" Sanitary Sewer Pi	pe, all d	epths		
	Dollars	.			
	and Cents	LF	500		
900.1	Pipe Bursting 18" Sanitary Sewer Pi	pe, all d	epths		
	Dollars	;			
	and Cents	LF	50		

BP-11 Addendum 1

Item No.	Description (Unit Price to be written in Words)	Unit	Quantity	Unit Price (Figures)	Total Price (Figures)
900.1	Pipe Bursting 21" Sanitary Sewer Pip	pe, all de	epths		
	Dollars				
	and Cents	LF	25		
900.1	Pipe Bursting 24" Sanitary Sewer Pip	pe, all d	epths		
	Dollars				
	and Cents	LF	25		
900.1	Pipe Bursting 27" Sanitary Sewer Pip	pe, all de	epths		
	Dollars				
	and Cents	LF	25		
900.1	Pipe Bursting 30" Sanitary Sewer Pip	pe, all de	epths		
	Dollars				
	and Cents	LF	10		
900.1	Pipe Bursting 33" Sanitary Sewer Pip	pe, all de	epths		
	Dollars				
	and Cents	LF	10		
900.1	Pipe Bursting 36" Sanitary Sewer Pip	pe, all de	epths		
	Dollars				
	and Cents	LF	10		
900.5	Upsizing of Main by Pipe Bursting (Greater	than One Size), all sizes, all dep	oths
	Dollars				
	and Cents	LF	25		

BP-12 Addendum 1

Item No.	Description (Unit Price to be written in Words)	Unit	Quantity	Unit Price (Figures)	Total Price (Figures)
901.1	Install 8" CIPP Sanitary Sewer Pipe,	all dept	hs		
	Dollars	3			
	and Cents	LF	1,000		
901.	Install 10" CIPP Sanitary Sewer Pipe	e, all dep	oths		
	Dollars	3			
	and Cents	LF	700		
901.1	Install 12" CIPP Sanitary Sewer Pipe	e, all dep	oths		
	Dollars	3			
	and Cents	LF	700		
901.1	Install 15" CIPP Sanitary Sewer Pipe	e, all dep	oths		
	Dollars	3			
	and Cents	LF	25		
901.1	Install 18" CIPP Sanitary Sewer Pipe	e, all dep	oths		
	Dollars	3			
	and Cents	LF	25		
901.1	Install 21" CIPP Sanitary Sewer Pipe	e, all dep	oths		
	Dollars	S			
	and Cents	LF	25		
901.1	Install 24" CIPP Sanitary Sewer Pipe	e, all dep	oths		
	Dollars	S			
	and Cents	LF	25		

BP-13 Addendum 1

Item No.	Description (Unit Price to be written in Words)	Unit	Quantity	Unit Price (Figures)	Total Price (Figures)
901.1	Install 27" CIPP Sanitary Sewer Pip	e, all dep	oths		
	Dollars	S			
	and Cents	LF	25		
901.1	Install 30" CIPP Sanitary Sewer Pip	e, all dep	oths		
	Dollars	S			
	and Cents	LF	10		
901.1	Install 33" CIPP Sanitary Sewer Pip	e, all dep	oths		
	Dollars	S			
	and Cents	LF	10		
901.1	Install 36" CIPP Sanitary Sewer Pip	e, all dep	oths		
	Dollars	S			
	and Cents	LF	10		
901.1	Install 42" CIPP Sanitary Sewer Pip	e, all dep	oths		
	Dollars	S			
	and Cents	LF	5		
901.1	Install 48" CIPP Sanitary Sewer Pip	e, all dep	oths		
	Dollars	S			
	and Cents	LF	5		
901.1	Install 54" CIPP Sanitary Sewer Pip	oe, all de	pths		
	Dollars	S			
	and Cents	LF	5		

Item No.	Description (Unit Price to be written in Words)	Unit	Quantity	Unit Price (Figures)	Total Price (Figures)
901.1	Install 60" CIPP Sanitary Sewer Pip	pe, all de	pths		
	Dollar	s			
	and Cents	LF	5		
910.1	Manhole Rehabilitation (Standard N	Manholes	s 4 ft. in Diame	eter)	
	Dollar	s			
	and Cents	VF	1,000		
910.2	Sewer Structure Rehabilitation (No diameter)	n-circula	r Manholes, ar	nd Manholes great	er than 4 ft in
	Dollar	s			
	and Cents	SF	500		
1001	Flow Management (24" diameter) in per Each (up to 1 per work order)	ncluding	up to 1,000 lin	ear feet of piping	
	Dollar	s			
	and Cents	EA	1		
1001	Flow Management (27" diameter) in per Each (up to 1 per work order)	ncluding	up to 1,000 lin	ear feet of piping	
	Dollar	s			
	and Cents	EA	1		
1001	Flow Management (30" or 33" diameter before Each (up to 1 per work order)	eter) incl	uding up to 1,0	000 linear feet of p	oiping
	Dollar	s			
	and Cents	EA	1		
1001	Flow Management (36" diameter) in per Each (up to 1 per work order)	ncluding	up to 1,000 lin	ear feet of piping	
	Dollar	s			
	and Cents	EA	1		

Addendum 1

Item No.	Description (Unit Price to be written in Words)	Uı	nit 	Quantity	Unit Price (Figures)	Total Price (Figures)
1001	Flow Management (42" diameter) per Each (up to 1 per work order		ng up	to 1,000 linea	nr feet of piping	
	Dol	lars				
	and Ce	ents E	A	1		
1001	Flow Management (48" diameter per Each (up to 1 per work order		ing u	p to 1,000 line	ar feet of piping	
	Dol	lars				
	and Ce	ents E	A	1		
1001	Flow Management (54" diameter per Each (up to 1 per work order		ing u	p to 1,000 line	ar feet of piping	
	Dol	lars				
	and Ce	ents E	A	1		
1001	Flow Management (60" diameter per Each (up to 1 per work order		ing u	p to 1,000 line	ar feet of piping	
	Dol	lars				
	and Ce	ents E	A	1		
1001.1	Flow Management (24" Diameter per Linear Foot	e) Piping	per l	Linear Foot Ov	ver 1000 LF;	
	Dol	lars				
	and Ce	ents L	F	15		
1001.1	Flow Management (27" Diamete per Linear Foot	r) Piping	g per	Linear Foot O	ver 1000 LF;	
	Dol	lars				
	and Ce	ents L	F	15		

Item No.	Description (Unit Price to be written in Words)	Unit	Quantity	Unit Price (Figures)	Total Price (Figures)
1001.1	Flow Management (30" or 33" Dia per Linear Foot	meter) Pip	oing per Linear	Foot Over 1000	LF;
	Dolla	ars			
	and Cen	nts LF	15		
1001.1	Flow Management (36" Diameter) per Linear Foot	Piping pe	r Linear Foot (Over 1000 LF;	
	Dolla	ars			
	and Cen	nts LF	5		
1001.1	Flow Management (42" Diameter) per Linear Foot	Piping pe	r Linear Foot (Over 1000 LF;	
	Dolla	ars			
	and Cen	nts LF	5		
1001.1	Flow Management (48" Diameter) per Linear Foot	Piping pe	r Linear Foot (Over 1000 LF;	
	Dolla	ars			
	and Cen	nts LF	5		
1001.1	Flow Management (54" Diameter) per Linear Foot) Piping pe	er Linear Foot	Over 1000 LF;	
	Dolla	ars			
	and Cen	nts LF	5		
1001.1	Flow Management (60" Diameter) per Linear Foot	Piping pe	r Linear Foot (Over 1000 LF;	
	Dolla	ars			
	and Cen	nts LF	5		

Item No.	Description (Unit Price to be written in Words)	Unit	Quantity	Unit Price (Figures)	Total Price (Figures)
1100	Sliplining Existing Sanitary Sewer,	36" Dia	meter (all deptl	ns)	
	Dollar	S			
	and Cents	s LF	10		
1100	Sliplining Existing Sanitary Sewer,	42" Dia	meter (all deptl	ns)	
	Dollar	s			
	and Cents	s LF	10		
1100	Sliplining Existing Sanitary Sewer,	48" Dia	meter (all deptl	ns)	
	Dollar	s			
	and Cents	s LF	10		
1100	Sliplining Existing Sanitary Sewer,	54" Dia	meter (all deptl	ns)	
	Dollar	s			
	and Cents	s LF	10		
1100	Sliplining Existing Sanitary Sewer,	60" Dia	meter (all deptl	ns)	
	Dollar	s			
	and Cents	s LF	10		
1103.1	Point repairs for 8" or 10" Diamete	r, (0'-10'	depth) includir	ng up to 10 LF of	piping
	Dollar	s			
	and Cents	s EA	20		
1103.1	Point repairs for 8" or 10" Diamete	r, (10'-15	6' depth) includ	ing up to 10 LF	of piping
	Dollar	s			
	and Cents	s EA	10		

BP-18 Addendum 1

Item No.	Description (Unit Price to be written in Words)	Unit	Quantity	Unit Price (Figures)	Total Price (Figures)
1103.1	Point repairs for 8" or 10" Diameter	r, (>15' d	lepth) includin	g up to 10 LF of	piping
	Dollar	s			
	and Cents	EA	5		
1103.1	Point repairs for 12" or 15" Diamet	er, (0'-10)' depth) includ	ling up to 10 LF	of piping
	Dollar	s			
	and Cents	EA	5		
1103.1	Point repairs for 12" or 15" Diamet	er, (10'-1	5' depth) inclu	iding up to 10 LF	of piping
	Dollar	s			
	and Cents	EA	2		
1103.1	Point repairs for 12" or 15" Diamet	er, (>15'	depth) includi	ng up to 10 LF o	f piping
	Dollar	s			
	and Cents	EA	2		
1103.1	Point repairs for 18" or 21" Diamet	er, (0'-10)' depth) includ	ling up to 10 LF	of piping
	Dollar	s			
	and Cents	EA	2		
1103.1	Point repairs for 18" or 21" Diamet	er, (10'-1	5' depth) inclu	iding up to 10 LF	of piping
	Dollar	s			
	and Cents	EA	2		
1103.1	Point repairs for 18" or 21" Diame	ter, (>15	depth) includ	ing up to 10 LF o	of piping
	Dollar	s			
	and Cents	EA	1		

BP-19 Addendum 1

Item No.	Description (Unit Price to be written in Words)	Unit	Quantity	Unit Price (Figures)	Total Price (Figures)
1103.1	Point repairs for 24" or 27" Diamet	er, (0'-10	o' depth) includ	ling up to 10 LF	of piping
	Dollar	S			
	and Cents	s EA	1		
1103.1	Point repairs for 24" or 27" Diamet	er, (10'-1	5' depth) inclu	iding up to 10 LF	of piping
	Dollar	rs			
	and Cents	s EA	1		
1103.1	Point repairs for 24" or 27" Diamet	er, (>15'	depth) includi	ng up to 10 LF o	f piping
	Dollar	rs			
	and Cents	s EA	1		
1103.1	Point repairs for 30" or 33" Diamet	er, (0'-10	o' depth) includ	ling up to 10 LF	of piping
	Dollar	rs			
	and Cents	s EA	1		
1103.1	Point repairs for 30" or 33" Diamet	er, (10'-1	5' depth) inclu	iding up to 10 LF	of piping
	Dollar	rs			
	and Cents	s EA	1		
1103.1	Point repairs for 30" or 33" Diamet	er, (>15'	depth) includi	ng up to 10 LF o	f piping
	Dollar	s			
	and Cents	s EA	1		
1103.1	Point repairs for 36" or 42" Diamet	er, (0'-10)' depth) includ	ling up to 10 LF	of piping
	Dollar	rs			
	and Cents	s EA	1		

BP-20 Addendum 1

Item No.	Description (Unit Price to be written in Words)	Unit	Quantity	Unit Price (Figures)	Total Price (Figures)
1103.1	Point repairs for 36" or 42" Diameter	er, (10'-1	5' depth) inclu	iding up to 10 LF	of piping
	Dollars	3			
	and Cents	EA	1		
1103.1	Point repairs for 36" or 42" Diameter	er, (>15'	depth) includi	ng up to 10 LF of	f piping
	Dollars	S			
	and Cents	EA	1		
1103.1	Point repairs for 48" Diameter, (0'-1	0' depth) including up	to 10 LF of pipir	ng
	Dollars	S			
	and Cents	EA	1		
1103.1	Point repairs for 48" Diameter, (10'-	-15' dept	h) including u	p to 10 LF of pip	ing
	Dollars	S			
	and Cents	EA	1		
1103.1	Point repairs for 48" Diameter, (>15	5' depth)	including up t	o 10 LF of piping	
	Dollars	S			
	and Cents	EA	1		
1103.1	Point repairs for 54" Diameter, (0'-1	0' depth) including up	to 10 LF of pipir	ng
	Dollars	3			
	and Cents	EA	1		
1103.1	Point repairs for 54" Diameter, (10'-	-15' dept	h) including u	p to 10 LF of pip	ing
	Dollars	S			
	and Cents	EA	1		

BP-21 Addendum 1

Item No.	Description (Unit Price to be written in Words)	Unit	Quantity	Unit Price (Figures)	Total Price (Figures)
1103.1	Point repairs for 54" Diameter, (>15	5' depth)	including up t	o 10 LF of piping	;
	Dollars	;			
	and Cents	EA	1		
1103.1	Point repairs for 60" Diameter, (0'-1	0' depth) including up	to 10 LF of pipin	g
	Dollars	3			
	and Cents	EA	1		
1103.1	Point repairs for 60" Diameter, (10'-	15' dept	h) including u	p to 10 LF of pipi	ng
	Dollars	.			
	and Cents	EA	1		
1103.1	Point repairs for 60" Diameter, (>15	5' depth)	including up t	o 10 LF of piping	5
	Dollars	;			
	and Cents	EA	1		
1103.2	Extra length point repair, 8" or 10" l	Diamete	r, all depths		
	Dollars	3			
	and Cents	LF	50		
1103.2	Extra length point repair, 12" or 15"	Diamet	er, all depths		
	Dollars	;			
	and Cents	LF	25		
1103.2	Extra length point repair, 18" or 21"	Diamet	er, all depths		
	Dollars	;			
	and Cents	LF	15		

BP-22 Addendum 1

Description (Unit Price to be written in Words)	Unit	Quantity	Unit Price (Figures)	Total Price (Figures)
Extra length point repair, 24" or 27	" Diamet	er, all depths		
Dollar	s			
and Cents	LF	5		
Extra length point repair, 30" or 33	" Diamet	er, all depths		
Dollar	s			
and Cents	LF	5		
Extra length point repair, 36" or 42	" Diamet	er, all depths		
Dollar	s			
and Cents	LF	5		
Extra length point repair, 48" Diam	eter, all	depths		
Dollar	s			
and Cents	LF	2		
Extra length point repair, 54" Diam	eter, all	depths		
Dollar	s			
and Cents	LF	2		
Extra length point repair, 60" Diam	eter, all	depths		
Dollar	s			
		2		
			ll depths	
			-	
		5		
	Extra length point repair, 24" or 27 Dollar and Cents Extra length point repair, 30" or 33 Dollar and Cents Extra length point repair, 36" or 42 Dollar and Cents Extra length point repair, 36" or 42 Dollar and Cents Extra length point repair, 48" Diam Dollar and Cents Extra length point repair, 54" Diam Dollar and Cents Extra length point repair, 54" Diam Dollar and Cents Extra length point repair, 60" Diam Dollar and Cents Extra length point repair, 60" Diam Dollar and Cents Extra length point repair, 60" Diam Dollar and Cents Dollar and Dollar and Cents	Extra length point repair, 24" or 27" Diamet Dollars and Cents LF Extra length point repair, 30" or 33" Diamet Dollars and Cents LF Extra length point repair, 36" or 42" Diamet Dollars and Cents LF Extra length point repair, 36" or 42" Diamet Dollars and Cents LF Extra length point repair, 48" Diameter, all of Dollars and Cents LF Extra length point repair, 54" Diameter, all of Dollars and Cents LF Extra length point repair, 54" Diameter, all of Dollars and Cents LF Extra length point repair, 60" Diameter, all of Dollars and Cents LF Extra length point repair, 60" Diameter, all of Dollars and Cents LF Dollars Dollars and Cents LF Dollars Dollars	Extra length point repair, 24" or 27" Diameter, all depths	Extra length point repair, 24" or 27" Diameter, all depths

BP-23 Addendum 1

Item No.	Description (Unit Price to be written in Words)	Unit	Quantity	Unit Price (Figures)	Total Price (Figures)
1103.3	Obstruction Removal by Excavation	n, 12" or	15" Diameter,	all depths	
	Dollar	s			
	and Cents	s EA	1		
1103.3	Obstruction Removal by Excavation	n, 18" or	21" Diameter,	all depths	
	Dollar	S			
	and Cents	s EA	1		
1103.3	Obstruction Removal by Excavation	n, 24" or	27" Diameter,	all depths	
	Dollar	rs			
	and Cents	s EA	1		
1103.3	Obstruction Removal by Excavation	n, 30" or	33" Diameter,	all depths	
	Dollar	rs			
	and Cents	s EA	1		
1103.3	Obstruction Removal by Excavation	n, 36" or	42" Diameter,	all depths	
	Dollar	rs			
	and Cents	s EA	1		
1103.3	Obstruction Removal by Excavation	n, 48" Di	ameter, all dep	oths	
	Dollar	S			
	and Cents	s EA	1		
1103.3	Obstruction Removal by Excavation	n, 54" Di	ameter, all dep	oths	
	Dollar	rs			
	and Cents	s EA	1		

BP-24 Addendum 1

Item No.	Description (Unit Price to be written in Words)		Quantity	Unit Price (Figures)	Total Price (Figures)		
1103.3	Obstruction Removal by Excavation, 60" Diameter, all depths						
	Dollar	s					
	and Cents	EA	1				
1103.3	Obstruction Removal by Remote De	evice, 8"	or 10" Diamet	er, all depths			
	Dollar	s					
	and Cents	EA	1				
1103.3	Obstruction Removal by Remote De	evice, 12	" or 15" Diam	eter, all depths			
	Dollar	s					
	and Cents	EA	1				
1103.3	Obstruction Removal by Remote De	evice, 18	" or 21" Diame	eter, all depths			
	Dollar	s					
	and Cents	EA	1				
1103.3	Obstruction Removal by Remote Device, 24" or 27" Diameter, all depths						
	Dollar	s					
	and Cents	EA	1				
1103.3	Obstruction Removal by Remote Device, 30" or 33" Diameter, all depths						
	Dollar	s					
	and Cents	EA	1				
1103.3	Obstruction Removal by Remote Device, 36" or 42" Diameter, all depths						
	Dollar	s					
	and Cents	EA	1				

BP-25 Addendum 1

Item No.	Description (Unit Price to be written in Words)		Quantity	Unit Price (Figures)	Total Price (Figures)		
1103.3	Obstruction Removal by Remote Device, 48" Diameter, all depths						
	Dollar	rs.					
	and Cents	s EA	1				
1103.3	Obstruction Removal by Remote De	evice, 54	" Diameter, all	l depths			
	Dollar	rs.					
	and Cents	s EA	1				
1103.3	Obstruction Removal by Remote Device, 60" Diameter, all depths						
	Dollar	rs.					
	and Cents	s EA	1		·		
1103.3	Obstruction Removal by Person En	try, all de	epths				
	Dollar	rs.					
	and Cents	s EA	1				
1109	Service Reconnection, all depths (w/ remote control cut device)						
	Dollar	rs.					
	and Cents	s EA	50				
1109	Service Reconnection, (w/ open cu	t excavat	ion, 0'-10' dep	th, including up to	o 10 LF of lateral)		
	Dollar	rs.					
	and Cents	s EA	90				
1109	Service Reconnection, (w/ open cut	excavati	on, 10'-15' dep	oth, including up	to 10 LF of lateral)		
	Dollar	rs.					
	and Cents	s EA	25				

BP-26 Addendum 1

tem No.	(Unit Price to be written i		Unit	Quantity	Unit Price (Figures)	(Figures)
109	Service Reconnection	, (w/ open cut e	excavat	ion, >15' depth	n, including up to	10 LF of lateral)
		Dollars				
	and	Cents	EA	10		
109	Service Reconnection	, all depths (per	rson en	try)		
		Dollars				
	and	Cents	EA	2		
438	Flowable Fill					
		Dollars				
	and	Cents	CY	100		
	В	id Summary				
				BIDDER'S S	SIGNATURE & T	TITLE
				FIRM'S NA	'S NAME (TYPE OR PRINT)	
				FIRM'S ADI	DRESS	
				FIRM'S PHO	ONE NO. /FAX N	NO.
				EIDM'S EM	AII ADDRESS	

BP-27 Addendum 1

The Contractor herein acknowledges receipt of the following:	
Addendum Nos	

OWNER RESERVES THE RIGHT TO ACCEPT THE OVERALL MOST RESPONSIBLE BID.

The bidder offers to construct the Project in accordance with the Contract Documents for the contract price, and to complete the Project within 365 calendar days from notice to proceed date or until funds are exhausted from the contract. The bidder understands and accepts the provisions of the contract Documents relating to liquidated damages of the project if not completed on time.

Complete the additional requirements of the Proposal which are included on the following pages.

BP-28 Addendum 1

SC-1.0 SCOPE OF WORK

I. General

The San Antonio Water System (hereinafter referred to as "SAWS" or "the System") is soliciting Bids for the purpose of retaining an organization to provide construction services for the rehabilitation of existing SAWS sanitary sewer facilities using pipe bursting, cured-in-place pipe (CIPP), and sliplining methods on a work order construction contract basis.

Contractor shall anticipate a period of careful planning in close coordination with SAWS prior to beginning any work to fully develop procedures and standards for the work that will be performed. Employee safety, workmanship standards, and maintaining the integrity of SAWS operations with minimal disruption will be the key areas to be addressed prior to beginning work.

II. Terms and Conditions

<u>Term of Contract</u>: The Sewer Rehabilitation Construction Contract term will be for 365 calendar days from the notice to proceed, or until funds are exhausted from the contract, subject to funding and approval by the System's Board of Trustees.

<u>Bid Proposal</u>: The Contractor shall include in his Bid Proposal all labor, equipment, material, tools, supplies and incidentals necessary to complete all work required by this Contract in accordance with the following current specifications: San Antonio Water System (SAWS) Specifications for Water and Sanitary Sewer Construction; Texas Department of Transportation (TxDOT) Standard Specifications for Construction of Highways, Streets and Bridges; the City of San Antonio (CoSA) Standard Specification for Public Works Construction; and any specifications and special conditions specified herein.

Instructions to Bidders:

1. Item 5(f) on page IB-2 of the Instructions to Bidders shall be removed and replaced with the following:

"The Bidder is required to submit as part of the bid a letter from the insurance provider stating provider's commitment to insure the Contractor for the types of coverage's or an Insurance Certificate to be in conformance with the types of coverage's noted in General Conditions Section 5.7 – Contractor's Insurance Requirements, if awarded the contract."

2. Item 23 on page IB-7 of the Instructions to Bidders shall be removed and replaced with the following:

"To assist the San Antonio Water System in performing the bidder evaluation and subsequent recommendation of award, each and every bidder **must submit the following with their bid**. Failure to provide the required information may result in determining a non-responsive bidder:

- (a) A complete financial statement for your organization that was prepared within the past 12 months, by an independent Certified Public Accountant, and a point of contact for your banking institution.
- (b) An information packet on company showing experience, organization and equipment.
- (c) A statement regarding ability to complete the project within the schedule taking into account existing commitments.
- (d) Record of performance submittals as required by Special Conditions Section SC-3.1."
- (e) A completed and signed W-9 Request for Taxpayer Identification Number and Certification form.

Contract Requirements:

- 1. CONTRACTOR shall make available up to four (4) independent crews able to work simultaneously on work orders.
- 2. CONTRACTOR will name one individual as coordinator or primary contact to resolve all problems that may arise during the term of the Contract. This individual shall be highly experienced and knowledgeable of the functionality of their company's sewer rehabilitation work, and shall be available two (2) weeks prior to the starting date of the Contract to assure smooth transition between contractors, if necessary.
- 3. CONTRACTOR will provide adequate internal control procedures to protect SAWS from financial loss, resulting from any aspect of administering this Contract.
- 4. CONTRACTOR shall be available to attend meetings and make presentations as requested by SAWS.
- 5. At the pre-construction meeting, Contractor shall provide SAWS with an emergency 24 hour telephone number for evenings, weekends, and holidays.

SC-2.0 CONSTRUCTION MATERIALS

Unless otherwise specified herein, the Contractor shall furnish all construction materials in accordance with the current <u>San Antonio Water System Specifications for Water and Sanitary Sewer Construction</u>; <u>Texas Department of Transportation Standard Specifications for Construction of Highways</u>, Streets and Bridges; the City of San

Antonio Standard Specifications for Public Works Construction; the latest revision of the San Antonio Water System Material Specifications: and specifications herein necessary for the execution and completion of this contract.

SC-3.0 PROJECT REQUIREMENTS

- SC-3.1 Record of Performance Submittals: Information required in this section **must be submitted with the bid**. Any bid package that does not include this information may be determined to be non-responsive. The Bidder shall meet the following minimum qualifications for performing sewer rehabilitation work:
 - 1. The Bidder shall have completed a minimum of five (5) trenchless <u>Work</u> <u>Order</u> type projects where Bidder has performed a minimum of fifty percent (50%) of the rehabilitation work.
 - 2. The Bidder shall have successfully completed all of the following:
 - A. Successful rehabilitation of a minimum of 20,000 linear feet of 18-inch diameter or greater sewer pipe AND a minimum of 5,000 linear feet of 24-inch diameter or greater sewer pipe by utilizing similar pipe bursting/crushing methods as is required to accomplish the work on this project. The Bidder shall also have experience in the pipe bursting/crushing method to upsize an existing sewer pipe diameter to a larger diameter. Proof of at least five (5) projects that involved upsizing sewer mains by pipe bursting/crushing method are required.
 - B. Successful rehabilitation of a minimum of 10,000 linear feet of 48-inch diameter or greater sewer pipe utilizing similar CIPP methods as is required to accomplish the work on this project.
 - C. Successful rehabilitation of a minimum of 1,000 linear feet of 42-inch diameter or greater sewer pipe utilizing similar sliplining methods as is required to accomplish the work on this project.

To verify Bidder's experience information, provide a list of individuals familiar with the above referenced projects who can verify, as the owner or engineer, the above information is true and correct. Provide verified telephone numbers, project names, project size and scope, project cost, project start and stop dates, pipe materials and sizes installed, and the equipment and methods utilized on the project.

The Bidder shall be required to have at least one crew and one superintendent that is qualified in the method of rehabilitation being performed on each work order job site during rehabilitation activities

SC-3.2 <u>Performance Time</u>. The Construction Time (Calendar Days) for each individual work order will be determined by SAWS and discussed between

SAWS and the Contractor for concurrence prior to project commencement. SAWS has the final approval over the duration of the construction schedule. No work orders will be issued prior to the notice to proceed. It is the Contractor's responsibility to provide enough work force to accomplish the work orders and workload assigned and complete the work in accordance with the provided schedule. Work orders issued during the term of this contract that have not been completed prior to the expiration of the term shall remain in effect until they are completed.

- SC-3.3 Specifications. All work performed in connection with the job plans and specifications shall be in accordance with the current San Antonio Water System Specifications for Water and Sanitary Sewer Construction, these Special Conditions, the current Texas Department of Transportation Standard Specifications for Construction of Highways, Streets and Bridges, the current City of San Antonio Standard Specifications for Public Works Construction any Railroad Permit requirements, and any requirements or specifications specified herein.
- SC-3.4 <u>Schedule of Operations</u>. For each individual work order, Contractor shall furnish to the Engineer a construction progress schedule setting forth the information required by the General Conditions of the Contract. Contractor shall send the construction progress schedule along with written notification to the Engineer and SAWS representative and obtain approval prior to starting work. In addition, Contractor shall submit an updated construction progress schedule weekly to the Engineer and to SAWS Inspector.
- SC-3.5 <u>Cleanup</u>. The Contractor shall maintain at all times during the course of work a neat and orderly area of construction operations. Unless otherwise specified herein, complete cleanup behind construction operations shall be as established in the field by the Construction Inspector. The final acceptance inspection shall not be conducted until the Contractor has completed final cleanup operations. The governing right-of-way entities Inspector/Representative shall accompany the San Antonio Water System Construction Inspector during the final acceptance inspection.
- SC-3.6 Special Risk Exposure(s) Necessitating Additional Requirements:

 SAWS GCCC-Section 5.7. Contractor's Insurance Requirements adequately specifies the lines of insurance coverage in keeping with the above Assessment results with one exception: please waive Section 5.7.1.1.8 Builder's Risk line of coverage.

SC-4.0 CONSTRUCTION OPERATIONS

- SC-4.1 <u>Permits.</u> SAWS is responsible for obtaining all necessary City of San Antonio (CoSA) street cut and CoSA right-of-way permits. The Contractor is solely responsible for obtaining all other necessary permits and inspections. Cost of obtaining and fulfilling these permits are the responsibility of the Contractor and are subsidiary to various items in the project, unless a separate bid item for such is included in the bid proposal.
 - A. City of San Antonio Right-of-Way Use Permits. SAWS will pay only for the first permit of each project that is within the right-of-way of COSA. If a permit extension is required, the Contractor must notify SAWS a minimum of 10 working days prior to the expiration date of the permit. If the permit expires and needs to be reapplied for, the Contractor will be required to reimburse SAWS for the cost of the permit. In addition, the Contractor is responsible to reimburse SAWS for all permit fines or fees that are associated with improper traffic control, barricades, safety issues, or violations issued by the COSA under the approved permit. SAWS retains the right to withhold future work orders until all permit fines and/or expired permit fees are reimbursed to SAWS.
 - B. <u>Railroad Permits</u>. The Contractor shall be aware that portions of the work being performed may be within the Union Pacific Railroad's ('the Railroad') right-of-way (ROW). The Contractor must submit a written scheduling request to the Railroad's scheduling agent. The Contractor's written request must be delivered to the Railroad's scheduling agent:

Mr. John Van Gelder Assistant Manager Real Estate Department Union Pacific Railroad Company 1400 Douglas Street, Stop 1690 Omaha, NE 68179-1690

Fax: 402-544-8532

The Railroad may provide, at the Contractor's expense, an inspector and flagman to oversee the work within the railroad ROW. No payment shall be made for the efforts expended by the Contractor with the Railroad. The Contractor is responsible for meeting all requirements of the Railroad. The costs for services described herewith shall not be paid separately, but shall be included in the relevant bid items established in the bid proposal.

The Contractor shall at all times abide by the conditions outlined in the Pipeline Crossing Agreement between SAWS and the Railroad. SAWS will furnish a copy of the Pipeline Crossing Agreement to the Contractor upon execution or at the pre-construction meeting, whichever comes first.

SAWS will pay for the License Fee, as well as obtain the License from the Railroad.

At all times during construction, installation and repair or removal of a pipeline or wire line the Contractor must obtain and maintain Railroad Protective Liability Insurance written on ISO occurrence form CG 00 35 12 04 (or a substitute form providing equivalent coverage) on behalf of the Railroad as named insured, with a limit of \$2,000,000.00 per occurrence and an aggregate of \$6,000,000.00. A binder stating that the policy is in place must be submitted to the Railroad, as well as the SAWS' Risk Manager before the work may be commenced and until the original policy is forwarded to the Railroad.

SC-4.2 General Notes. The following general notes shall be adhered to.

- 1. All materials and construction procedures within the scope of this contract shall be approved by the San Antonio Water System (SAWS) and comply with the following as applicable.
 - A. Current Texas Commission on Environmental Quality (TCEQ) Design Criteria for Sewerage Systems [30 TAC 217.1-217.17, 30 TAC 217.51-217.58, , and 30 TAC 217.59-217.68 and 30 TAC 213].
 - B. Current TXDOT "Standard Specifications for Construction of Highways, Streets and Drainage."
 - C. Current "San Antonio Water System Standard Specifications for Water and Sanitary Sewer Construction."
 - D. Current City of San Antonio "Standard Specifications for Public Works Construction."
 - E. Current Bexar County Specifications.
 - F. Current City of San Antonio "Right-of-Way Ordinance and Criteria Manual".
 - G. Any governing jurisdiction's laws and regulations.
- 2. The Contractor/Superintendent is to notify and make arrangements with the SAWS, COSA, TxDOT or other jurisdiction's representative and involve the home resident and/or property owners 48 hours prior to excavation or start of project. For projects located within the Edwards Aquifer Recharge Zone, the Contractor must contact the local TCEQ representative at 210-403-4073 to coordinate project schedule and issues.
- 3. The existence and location of underground utilities indicated on the plans are taken from the best records available and are not guaranteed to be accurate. The Contractor/Superintendent is responsible for maintaining,

supporting, and protecting the integrity of underground utilities and power poles during construction, and is required to call the following numbers 48 hours before beginning any excavation.

San Antonio Water System	233-2010
COSA Drainage	207-8048
COSA Traffic Signal Operations	207-7720
Texas State Wide one Call Locator	1-800-545-6005
Bexar Metropolitan Water District	354-6536

Where High Voltage Overhead Power Lines are in close proximity to the work, the Contractor shall be in accordance with the requirements of Chapter 752 of the Texas Health & Safety Code.

- 4. If damaged, the Contractor shall be responsible for restoring existing features at the project site, including but not limited to existing utilities, concrete rip-rip, concrete drainage structures, curbs, streets, driveways, sidewalks, signs, pavements, sprinkler systems, fences, vegetation, landscaping, etc. to its original or better condition. (No Separate Pay Item)
- 5. Trench excavation protection shall be accomplished as required by the provisions of Part 1926, Subpart P-Excavation, Trenching, and Sharing of The Occupational Safety and Health's Standards and Interpretations. The Contractor shall also comply with the provisions included in Item 550, Trench Excavation Safety Protection, of the current San Antonio Water System Specifications for Water and Sanitary Sewer Construction.
- 6. Contractor shall adhere to the requirements of the latest City of San Antonio Tree Ordinance. Adherence to the City of San Antonio Tree Ordinance will not be measured and paid for separately, but shall be considered subsidiary to other bid items.
- SC-4.3 <u>Barricades</u>, <u>Signs and Traffic Handling</u>. Payment for line Item 530 Barricades, Signs and Traffic Handling will be made by the contract unit bid price of "Each". Contractor shall be compensated for one (1) barricades, signs and traffic handling item per work order. If off duty police officers are required, payment for off duty police officers shall be considered subsidiary to Item 530 Barricades, Signs, and Traffic Handling (no separate pay item).
- SC-4.4 <u>Traffic Control Plan.</u> Payment for line item 805 Traffic Control Plan will be made by the contract unit bid price of "Each". If a traffic control plan is required, Contractor may be compensated for up to one (1) traffic control plan per each work order.
- SC-4.5 <u>Wheelchair Ramps.</u> All work associated with the construction of wheelchair ramps shall be in accordance with the requirements of Item 502.1 Concrete

Sidewalks and/or Item 500 Concrete Curbing of the City of San Antonio Standard Specifications for Public Works Construction. In addition, these items shall include the construction of all wheelchair ramps in accordance to the details that are attached herein. The measurement and payment of wheelchair ramps shall be inclusive as stated within these specific items of Concrete Sidewalks and Concrete Curbing/ machine Laid Curb. All payment shall include full compensation for preparing the subgrade; furnishing and placing all material, joints, backfill, excavation, concrete, reinforcement, expansion joints, form work, tools, labor, equipment, and any incidentals necessary, to complete the work.

SC-5.0 Work Orders.

- I. All work order projects that will be issued under this contract are unspecified at the time of bidding, all quantities are estimated in the proposal, and it is the intent of the proposal and quantities to establish a fixed unit price for various line items to be paid to the Contractor by SAWS during the term of this contract. No change in the unit price will be made, regardless of the actual quantity of the item or complexity of work performed during the initial term of the contract.
- II. SAWS does not guarantee that each bid item in this contract will be used on the assigned work orders.
- III. A work order is defined as a document authorizing the completion of an individual project or specific task. The work order includes specific line items and quantities that the contractor will perform which will be charged against the contract.
- IV. SAWS does not guarantee that a work order will be given within any specific timeline. SAWS also reserves the right to limit the number of work orders given out at any time.
- V. The volume of work orders provided to the contractor will be at SAWS sole determination and among other things, be dependent on the completion of previous work orders. If previous work orders are not completed to the satisfaction of SAWS or work orders currently under construction are behind schedule, additional work orders may not be assigned to the contractor until all other work is completed or back on schedule.

VI. Meetings

1. A mandatory pre-construction meeting or conference may be held by SAWS for each work order issued. This meeting or conference may be required to plan and discuss the scope of the work order.

- 2. A mandatory project coordination meeting may be held with project inspector and affected entities such as CoSA Right of Way Dept., Railroad, TxDOT, etc.
- VII. The Contractor will be responsible for the development of the Storm Water Pollution Prevention Plan and an approved Traffic Control Plan, if required for the work order. The Contractor will also be responsible for providing SAWS with an approved Flow Management plan for each work order.
- VIII. Work orders shall be submitted by the owner representative. It is the intent of the owner to include up to three individual projects within each work order, but the Owner is not limited to this amount. Work Orders due to urgency may be issued individually.
- IX. Payment will be made on a work order basis. No payment will be made prior to the City of San Antonio (or other regulatory body) and San Antonio Water System final approvals.
- X. A 48-hour mobilization response time will be required for each work order issued under this contract. Contractor shall mobilize within 48 hours of receiving a written work order under this contract. Mobilization will not be paid for separately and shall be considered subsidiary to other bid items.
- XI. Contractor shall provide owner with an emergency 24 hour telephone number for evenings, weekends, and holidays by the first working day of the project. This telephone number must be a commercial answering service. The answering service must be able to contact the Contractor and the Contractor must respond back to the owner within two hours of the initial contact.
- XII. The Contractor shall submit pre and post-construction videos in accordance to SAWS Standard Specification Item 866 and special specification 865 sewer main pre-television inspection.
- XIII. Contractor shall submit to the owner the schedule of operations as set forth in SC-3.4 and in SAWS Standard Specification Item 1110 Progress Schedule. A schedule of operation and progress is needed for each work order.
- XIV. All Quality Assurance testing services (material proctor tests, density tests, concrete tests) required shall be performed by a third party under the direction of SAWS. Such testing should be coordinated with SAWS, Contractor, and the SAWS Representative. Such testing does not relieve the Contractor from responsibility for quality control of the project work.
- XV. The Contractor shall comply with this specification documentation.
- XVI. The Contractor shall submit all record drawings as required to SAWS inspections.

XVII. Completion Report:

- 1. Contractor shall submit a completion report to SAWS when each work order is completed.
- 2. The completion report shall include but not limited to the following:

- Pre and post MPEG-1 format and written to CD/DVD video and video logs.
- Complete invoices including all sub contractors identifying all unit price items utilized (quantity, description, and unit price and total dollar amount) on each respective project within the work order. The quantity must be agreed on with the SAWS inspector.
- Any test and/or submittals specified in this contract documents such as density tests, structural properties, etc. that are required.
- XVIII. Except where bid items are specifically provided in the Proposal, payment to the Contractor to accommodate the requirements specified herein shall be included in the unit price costs for the items bid and shall be considered to be subsidiary to the various items of work under this contract if so specified in the Standard or Special Specifications.

SC-6.0 ARTICLE V. CONTRACT RESPONSIBILITIES

SC-6.1 <u>Contractor's Insurance Requirements</u>, Page GC-18; The following sentence is to be added at the end of Section 5.7.1.1.5 Contractor's Insurance Requirements - Umbrella Liability:

"(Specifically state which coverage form is being used for this Excess/Umbrella Liability insurance - please include whether the coverage form is Excess or Umbrella in the Description of Operations on the Certificate of Insurance.)"

SC-6.2 <u>Contractor's Insurance Requirements</u>, Page GC-18; The following sentence is to be added at the end of Section 5.7.1.1.7 Contractor's Insurance Requirements - Contractor's Pollution Liability

"(Specifically state which coverage form is being used for this Contractor's Pollution Liability insurance - please include whether the coverage form is on an Occurrence Basis or Claims Made form in the Description of Operations on the Certificate of Insurance which accompanies your bid/response. If the coverage form is Claims Made also include the "Retro-date" of the policy coverage.)"

SC-6.3 <u>Construction Stakes</u>, Page GC-23; Replace paragraph 5.16.1 with the following:

"The Contractor will be supplied with the appropriate benchmark information, but construction staking will be the responsibility of the Contractor. Detailed transfers of elevation, line and grades to structures and other features of the Work shall be the responsibility of the Contractor. The Contractor shall be responsible for providing SAWS with a copy of cut sheets for sanitary sewer lines prior to excavation."

SC-7.0 ARTICLE VIII. CONTRACT TIME COMPLETION

SC-7.1 <u>Commencement of Work</u>, Page GC-31; Replace paragraph 8.1 with the following:

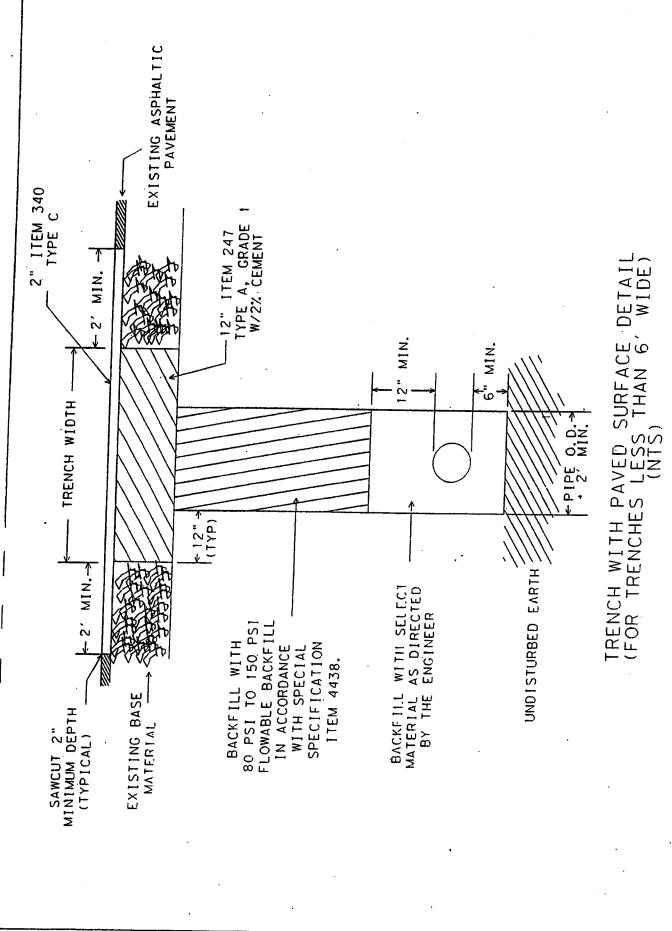
"The Work called for in each Work Order of this Contract shall be commenced by Contractor within 48 hours after issuance of each Work Order by SAWS. SAWS reserves the right to change this time frame if a special situation shall arise on a work order. Under no circumstances shall the Work commence prior to Contractor's receipt of a SAWS issued Work Order. Computation of Work Order Time will begin 48 hours after issuance of a Work Order unless specified otherwise in the Work Order.

Prior to commencement of work and before the 48 hour period as referenced above, a project pre construction meeting will be held for each work order that is issued. Commencement of work on a work order prior to a project preconstruction meeting will not be allowed."

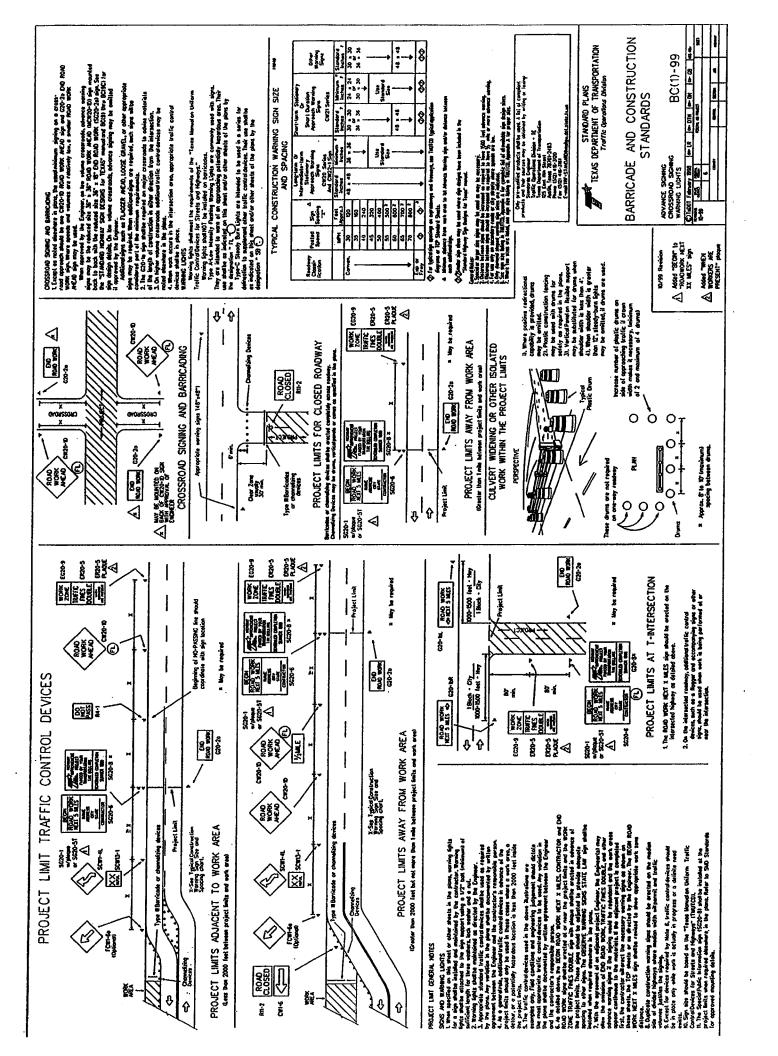
SC-7.2 <u>Liquidated Damages for Failure to Complete on Time</u>, Page GC-32; Replace paragraph 8.6 with the following:

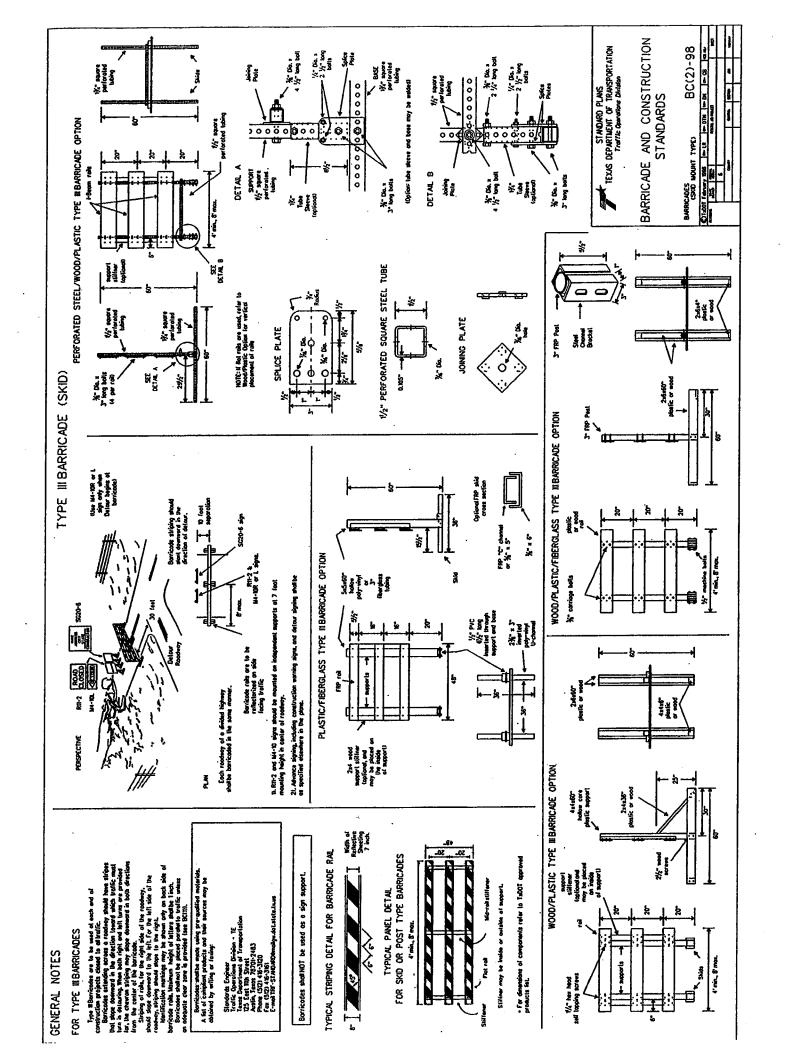
"The Contractor agrees that time is of the essence on this Contract and that for each day of delay beyond the number of days agreed upon for the completion of the work order, after due allowance for such extension of time as is provided for under the provisions of the preceding paragraph 8.5, the Owner may withhold permanently from the Contractor's total compensation, not as a penalty but as liquidated damages, the sum per day given in the following schedule. For purpose of assessing liquidated damages, the amount of the contract noted on the table below is defined as the original contract sum awarded."

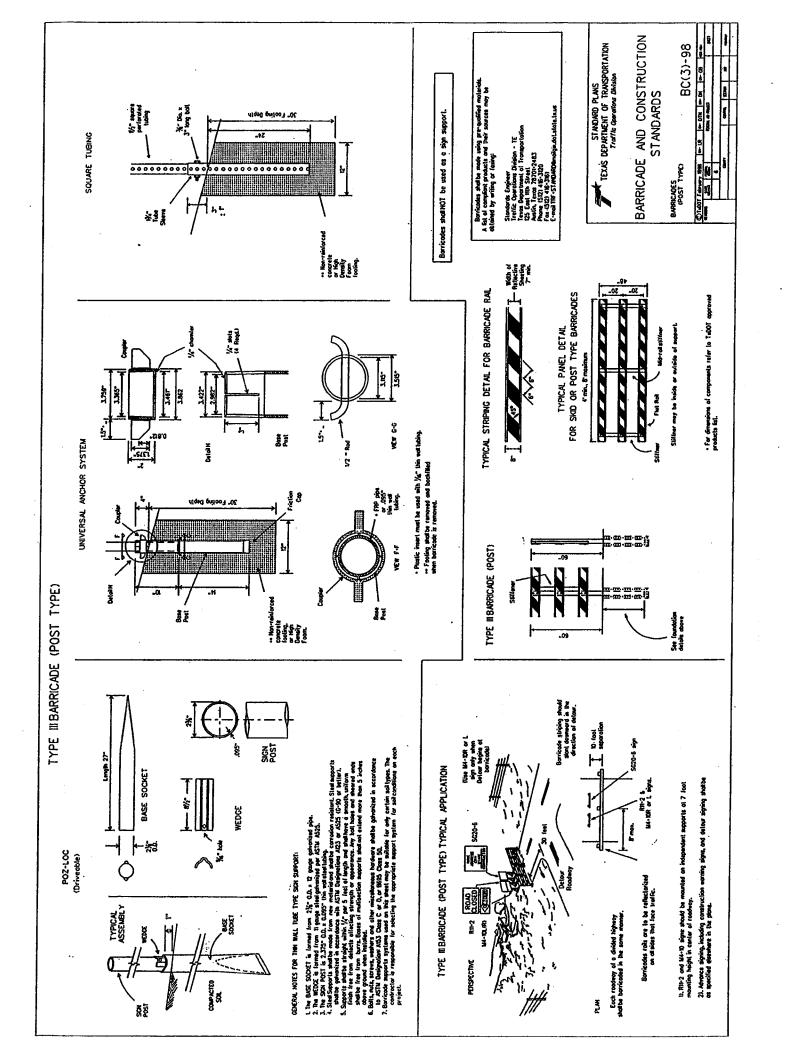
TXDOT TRENCH REPLACEMENT DETAIL



BARRICADE AND CONSTRUCTION STANDARDS







RICRAL HOTES

- Syn Supports delabed on this sheat have been crosh tented and are approved breakenny systems. IntOT occeptance of these breakenny systems does not cover the structural testures of the says
 - August 1931-ms.

 2. Sop support 1931-ms.

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 2. Sop support 1931-ms.

 Bity met I GAOT maintum sign tablet treat-eneritt. The controctor and promise documentation from Press Approving sign support hysimen and province on the sheet.

 3. Sop support 1931-ms. sidned on this sheet may be sailable for only certain suit press. The controctor is responsible for selecting appropriate sign support systems (for selecting appropriate sign support systems for sub-conditions on

 - - esch project. 6. Barricades shahNOT be used as sign supports.

TORK ZONE SIGNS

- Storderd styre shallbe used as required by the BC Standard sheets, the plens, or as decied by the BC Standard sheets, the plens, or as decied by the Bc beyone it expelled, such on good better the size and selected considerates with the "lens through the best better fills. Considerates for Streets and Highesty" (HulfCD). The Controction sheet manifest each sign as decided by the Experies Streets and Highesty. The Controction may use other the say of departs sheet on the BC Storderd Streets of these sign for decide and in the "Standard stepheny" specified for factor COSCDI, All event some signs provided for in the HulfCD, but not table in the poon may be used when decided by the Explaner.

527 OF SDNS On secondary roads of oly sivell where appeals are less, smaler site construction worthig signs only be used with the written opporated The Engineer and if the sign size is in occasionary with the "Typical Construction Warring Sign Size and Spocing Charl's shown on page 6C-11 at the TMJTCD, Pref Vt.

- All anodes sign panels intricated from 2 or more pieces shallhave one or more physical cleats, V2 sich likick by 6 inches wide, fastened to the bock at the sign and extending skay.
 - oss the sign. Wood Sign posts shallnot be spiced.

RPLECTIVE SHEETIN

- larized signs shalbe constructed of retroralisative sheeking meeting the color and prequirements of TaDOT Meterial Specification DMS 8300 or DMS 8300, Day enty is defined
- reflectivity requirements of 14001 Meterial Specification DRS 5330 or two comment or and accept has a seed of the design may be used for all day only applications. Type A intesting should be used for all day only applications. Type A intesting should be used for all days only applications and for all other applications. The chora captivities of sheeting grades to different type applications of sheeting grades to different type applications are applications of sheeting specified in the piece.

 TYPE A Engineer Group, TYPE B Super Engineer Groot, TYPE C Felt Specific intensity

- All spir killering shallbe cher, open roanded type copidatellers as opproved by and as published by the Federal Agenty Administration (F1878). Spire and keltering shallbe of first chass extractible equivalent to that of the Department standard signs.
- WORK DURATON ISSUMIN, LOCK-Los defined by the "Tens Wandon Uniform Traffic Contratbenees" Port Vol Long-residents Stationary exceptes e bestien 3 or more days: Intermediatelen Stationary excepte a bestien from evenight to 3 days: Sour-term Stationary dayph work that excepte a bestien from 1 to 2 hours: Sour term Station exceptes a bestien up to 1 hour.

- The bollion of Long-larm, / Intermediati-term signs should all best 7 lind above the ported states. The bollion of Long-larm, / Intermediati-term signs show of hear 6 lived down the ported states. The bollion of Department 2 Part Longin signs and the original relationship is the ported states but low of Department 2 Part Longin signs and Long-larm / Intermediati-term 2 gas and you used at Sea of Seat-larm / Seat Longin signs, 2 Part Longin signs, 2 Part Longin signs, and the season of the amounted the red of the weardoy.

 Chapter 2 Page states recovered the red of the weardoy.

derolion. Wood sign supports shalbs pointed while.

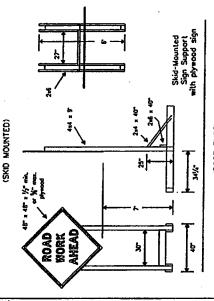
- or is require the use of mights to teep from turning over, the use of some type mended. The use of pieces of rock, concrete, iren, steel or other solid objects SICH SUPPORT WEIGHTS

- before before the description of the season and the season of the description of the description of the supported the season of the season of the supported doors ground bread or before the supported doors ground bread or beautiful to be supported the season of the sea

- What sign messages may be containing or no boper opply, the signs shother removed or complete covered, when the lower or the method the signs about the beary mild be beary and the beary and the beary and the beary and the bear signs. Signs shall be removed upon completion of the cover signs. Signs shall be removed upon completion of
 - Duct tope or other achesive material shall not be affined to sign face.

Only pre-quotified products shalbe used. A fist of complent products and their sources may be oblimed by writing or feming

LONG/INTERMEDIATE TERM STATIONARY PORTABLE SIGN SUPPORTS 7 Foot Mounting Height



ver the Waring Area Penal.

ver the cooking of the Identity selections
(Oil, LET and ROOT ARROW and CAUTOL the CAUTOL mode consists
about confinement of present demands from soled large
includes and informating the control of the control large.

using Arron Pond abund be used for allow closures also moving mobilinance or construction oclinities on the most should not be used on two-late recompay delarms, aboutless users the CUITON mode is used.
des or other broife confridedences should be used in

4. The Arrise posed sheldbe capable of mishawar 50 percent domining from rotled temp voltops. The blanks ortice of the burneys address the tests than 250 inner per minde, nor more than 40 blanks per minde. The Advances Worship Deading Arrise Pomatand be amounted on a voice, include or other stillable apport.

Leading the Continue sheld be approximately 20 percent for the lossing arrae and 25 percent for the sequentifications.

The TADIT standard is the intelliging proce, however, the sequential development may be used dering deright operations. The sequential arrae should NOT be sent.

ATTENTION: Arrow ponets shall be equipped with outomotic distraining devices.

For traffic to move right.

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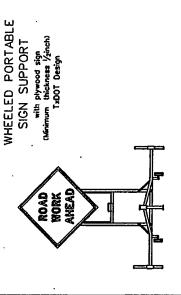
TYPICAL FLASHING ARROW PANEL

(POST TYPE)
Refer to acceptable products list.

TYPICAL MINIMUM CLEARANCES FOR LONG/INTERMEDIATE TERM SIGNS

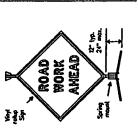
WHALE WILLIAMER OF HER VISBLITY TYPE SIZE PAREL LANDS DISTANCE

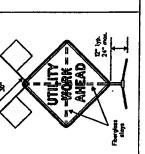
ŧ *-



SHORT TERM STATIONARY/SHORT DURATION PORTABLE SIGN SUPPORTS 1 Foot Mounting Height

Orecion of Tredic





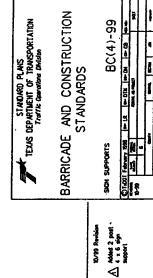
Bollys It is the intent of these plans to provide positive guidance to motorists throughout the project fails by the use of signs, powerment mentalise, defection desires onch or chamefaing devices. All toffic control devices static conformation with the "Tenns Manual on United Traffic Control Devices for Streets and Highways."

WOOD POST SYSTEM FOR FIXED SIGN SUPPORTS

Port No. of Sq. feet of Soil Holets) Size Posts Sign Foce Embedment Required

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Voumen



CENERAL NOTES

Orums and afreided items shallcompy with the requirements of the current version of the "feace blanud on Unitorn Traffic Confreibeniess" (Tlaffic).

Only pre-quolified products shalbe used. A fitt of complant coducts and their sources may be obtained by swiling or faming:

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Traffic Develores Union - 11
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Action Transportation
Proper 4522 145-300
For 4529 145-300
For 4529 145-300

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PLASTIC DRUM - Prespecified plastic drums shalin the Iddowing requirements.

GDERAL OCSCIA REQUERERIES

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The State present a profile flot is a minimum of 18 inches in width of the 35 inches should be s

re eas in transport.
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(So of drum stathers to ball via bands (social pickup
(Social pickup state) (social pickup spoced (stress demetter
of the olitocherical of a working light, definedor tellector

The saterior of the draw body stellators to misham of four dismulation orange and white retreatfactive strongleasing stripers and there is not a further in editor are greater bland is inches, any non-reflectables about between only two editors is tipes stelland excessed 2-fuels in wind.

Bosts studioner a machanam width of 38 inches, on emineram begins of inches, and a minimum of two footbacks of sufficient size to dis-bots to be held down with supersight the draw body from the boas. Pesic clause shade constructed of after-wind studiosis, orange, high-density polysithylere (RDPS) or other approved malarial.

Drum bedry petitionen undettettel wight of 72 fts. ood mensionen voordesteld weight of 18 kg. ftw. ood file to drum body shotte e missionen of 0.07 fts. oh in bekansts Regiot of op file petitionen of 0.07 fts. oh in bekansts Regiot of op file petitionen of 0.07 fts. oh in bekansts Regiot of op file petitionen of 0.07 fts. oh in bekanst Regiot of op file petitionen of 0.07 fts. of on bed to 18 fts. of on 18 fts. of one of 0.07 fts. of 0.07

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spatients in this paper.
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(Rd-8 series), shellbe manufactured with Type A (emphren grode).

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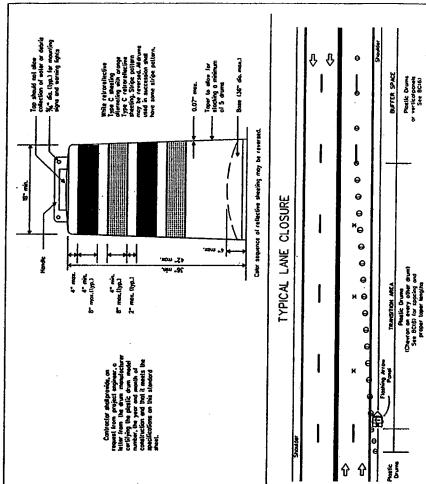
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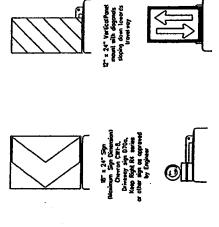
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STANDARD PLANS
TEXAS DEPARTMENT OF TRANSPORTATION
Traftle Operations Division

BARRICADE AND CONSTRUCTION BC(5)-98 ©1400 February 889 (= 1.8 (= 0.0) (= 0 100 STANDARDS PLASTIC ORUMS

E" = 16" Syn Opposing Lane Divider

Worning Light or approved substitute mount towards traveliedy

GENERAL NOTES:

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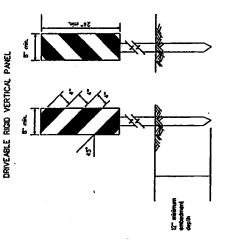
DRUMS Refer to BCIS).

HAT SUFFACE REFLECTINE SPEETING, TYPE C RHCH SPECIFIC MENISTER D-9-6300 SPECFICATION REFUNCE TABLE
MATERIALS AND TEST SPECFICATIONS 40-91

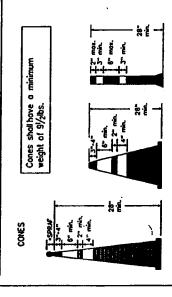
Only pre-quotified products shalbe used. A List of componing products and their sources may be obtained by writing, college or fessing:

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See Comploit Products List for supports and posel substroles



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L PANELS

SELF-RIGHTING SUPPORTS

sorts are available with portable base. See its List.

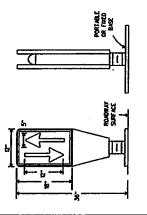
DRIVEABLE BASE

CHEVRON

OPPOSING LANE DIVIDER

with Portable or Fixed Bose Support

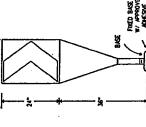
with Flexible Support



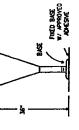
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PORTABLE RIGID VERTICAL PANEL

REFLECTIVE CRANCE BACKGROUND WITH BLACK AROUS AND BORDER.

BARRICADE AND CONSTRUCTION STANDARDS

STANDARD PLANS
TEXAS DEPARTMENT OF TRANSPORTATION
Traftle Operations Division

CHANNELIZING DEVICES

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See Complant Products List for othersole designs

WORK ZONE PAVEMENT MARKINGS

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Stronger generated markings baselbe intelled in eccordance with the Texas kewarden Liefonm Treiffe Coard-Ohr-ine (Tauffic) and as some on the place. These short liems markings are sequent on the place. These short liems markings are sequent in the place, short ferm markings and conform with the "Ballich," the place and delicial on shown on the Stronder WZSTIPA.

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Colormoris shallse placed in proper rigornesi alls the faul becilies of billers personell markings, but goldmarks and in degeneral with presented markings and the degeneral with presented markings and the reserved by the Colorisation of the Colorisation's appears. Goldmarks shall need to simulate adoptions.

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RASED PAYEMENT MARKERS

Rised povement markers are to be placed according to the poi-terns on BCLR, Rised powement markers used as alonded power-ment and bigger to supplement removable markings shall meet the apparements of team "RASED PANTER!! EMPERS".

Unless otherwise shown on the pions, rossed povement markers will not be differed for mords, symbols, and shapes, doggand or fronsverse lines.

PREFABRICATED PAYENDIT MARCHUS

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Non-removable presidenticated powerment enachings (faithbook) shall be to malarial of manufacture and product code or designation assum on the fist of approved malaride covered by the Spacification FADOT 550-74-01.

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EUDVAL OF PAVENENT MARRINGS

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Removed of existing powement morkings and markers will be poid for directly in accordance with the filem "Elmenting" (EXSTENC PAYLIDIT LANGUAGS AND MARKERS" unless otherwise stated deter-where in the plans.

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PREGUALFICATION PROCEDURES MAY BE OBTANED BY WRITHCH

GRERK STRVES DIVISON ITLUS DEPATIGAT OF TRANSPORTATION (14001) 125 ESS 1111 STREET AGSTN, TX 78704-2483

* 622222 Raised Pavement Markers **Temporary Construction** used as Guidemarks:

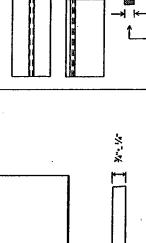
SDE VEW

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7, -,

Temporory Flexible-Reflective Roodway Marker Tabs



The above temperary construction raised powement market is shown for Basirotion purposes only and not intended to specify any particular product.

Temporary construction robed powement mothers used as guide-marks shallbe of design and manufacture approved by the Engineer.

All lamporary construction toked povement markets provided on project shalbe of the same anomitocturer.

Atheirs for guidenaries shalbs bluminous majeriathol spiked or bulylandber pod for of surfoces, or thermoplestic for concrete surfoces.

STAPLES OR NALS SHALL HOT BE USED TO SECURE TEMPORARY FLEXIBLE-REFLECTIVE ROADWAY MARKENS TABS TO THE PAYEMENT SURFACE

Height of sheefing wilbe determined by notes under MANTENANCE. (Usually more than //ánch and less than 1 inch.)

· REFLECTIVE SUBFACE

Temporary Itenberrelistine roadeay morter into used on guidenerist softeneris the requirements of Deportmental Bolesia Specification (20-222).

Shedication (20-222).

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Guidemonts sholibe designaled as:

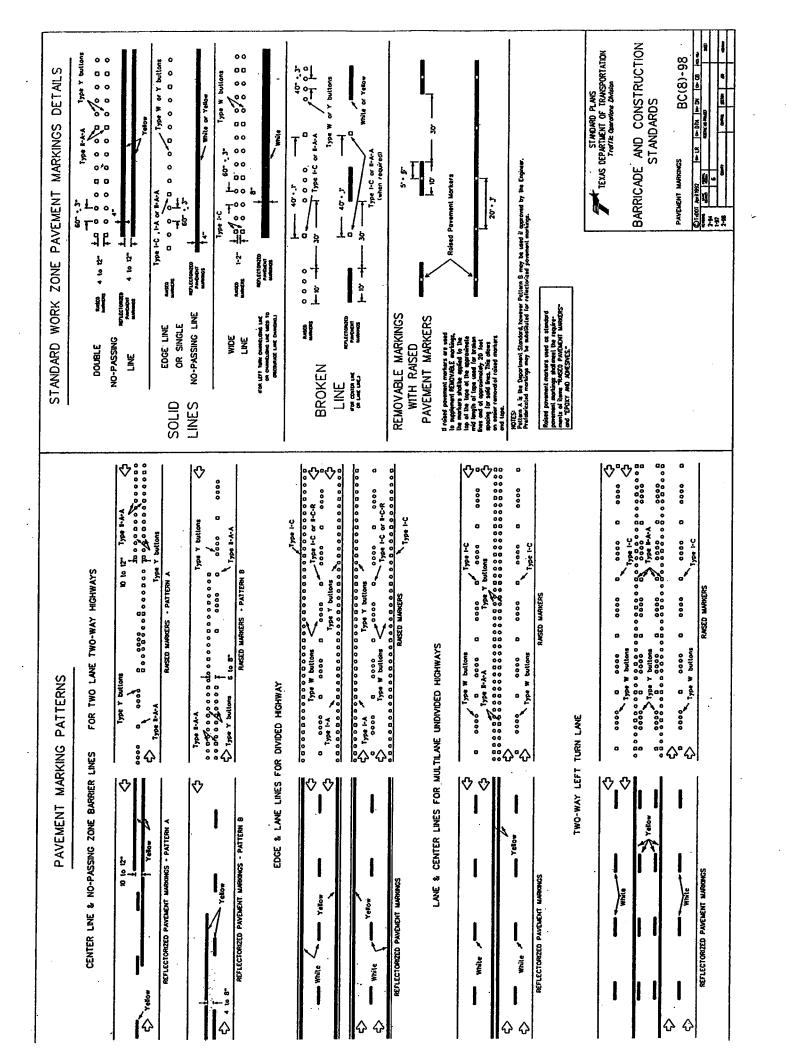
YELLOW - (two comber reflective surfaces with yellow body).
WHIE - (one salver reflective surface with while body).

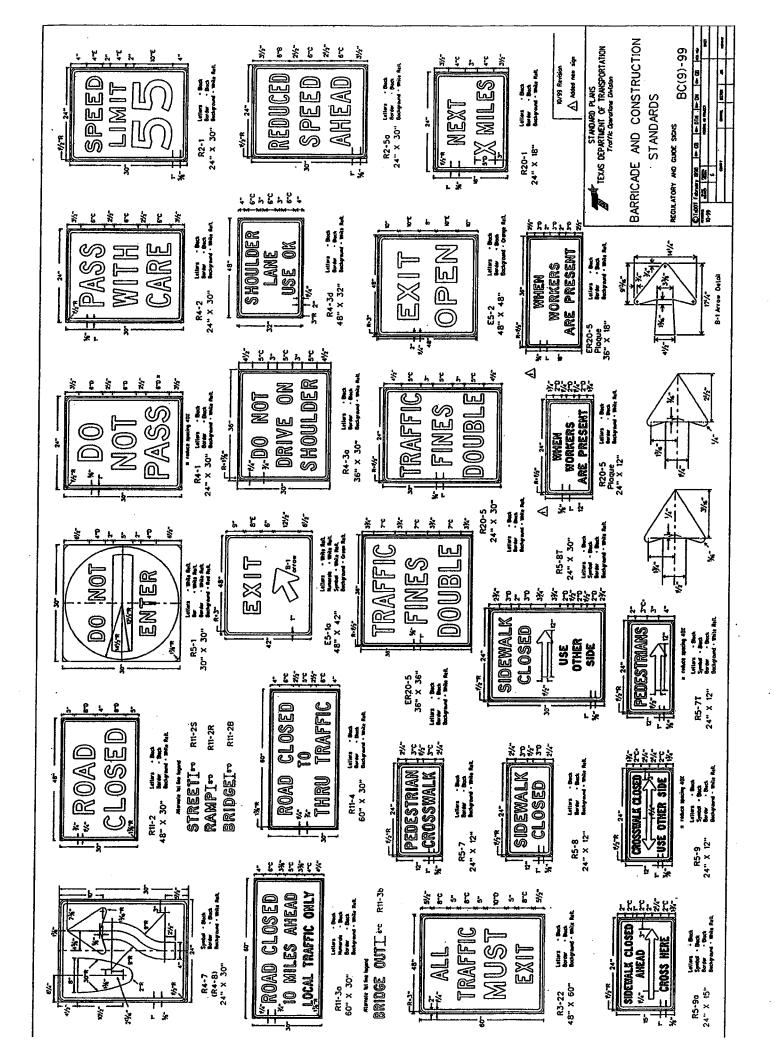
Dimensions indicated on this sheel are typical and approximate, Variations in site and height may occur between markers or devices made by manulacteres, by as much as Vijach, uniss alternism noted.

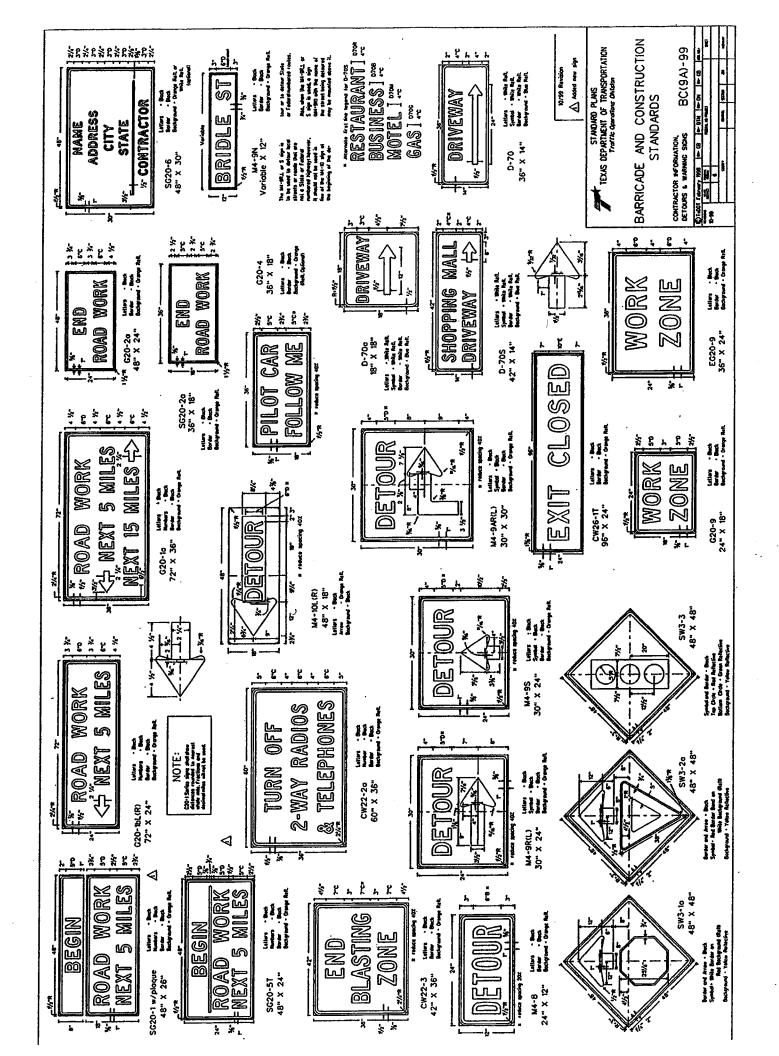
STANDARD PLANS
TEXAS DEPARTMENT OF TRANSPORTATION
Trafte operations division

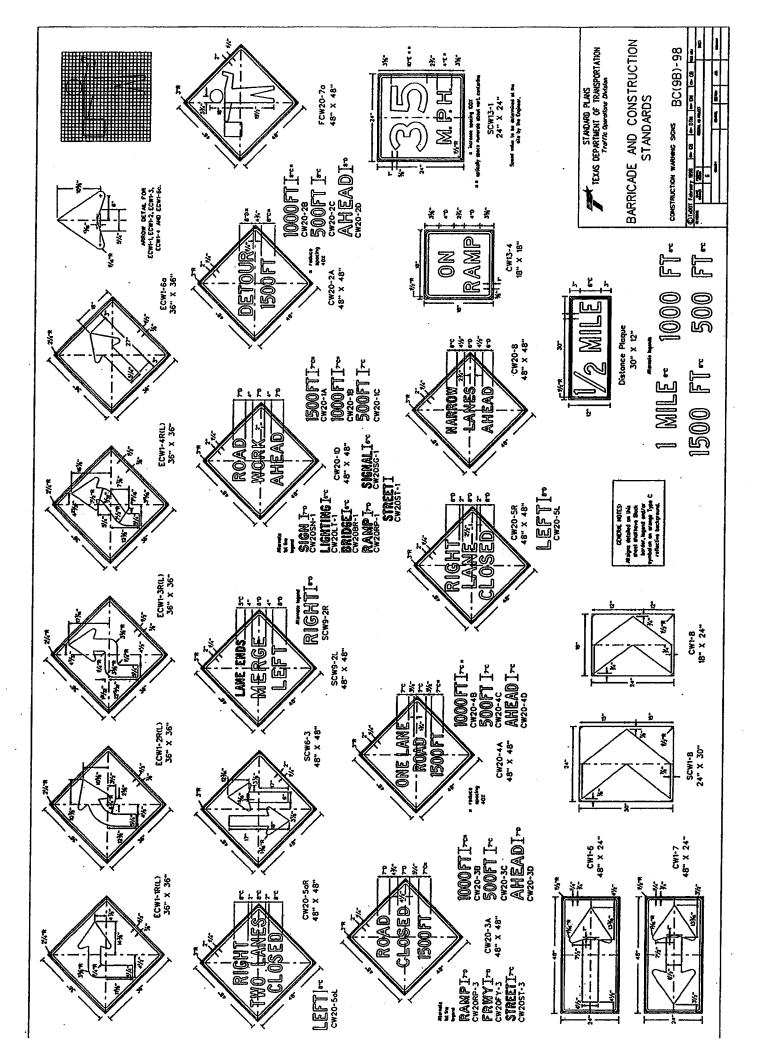
BARRICADE AND CONSTRUCTION STANDARDS

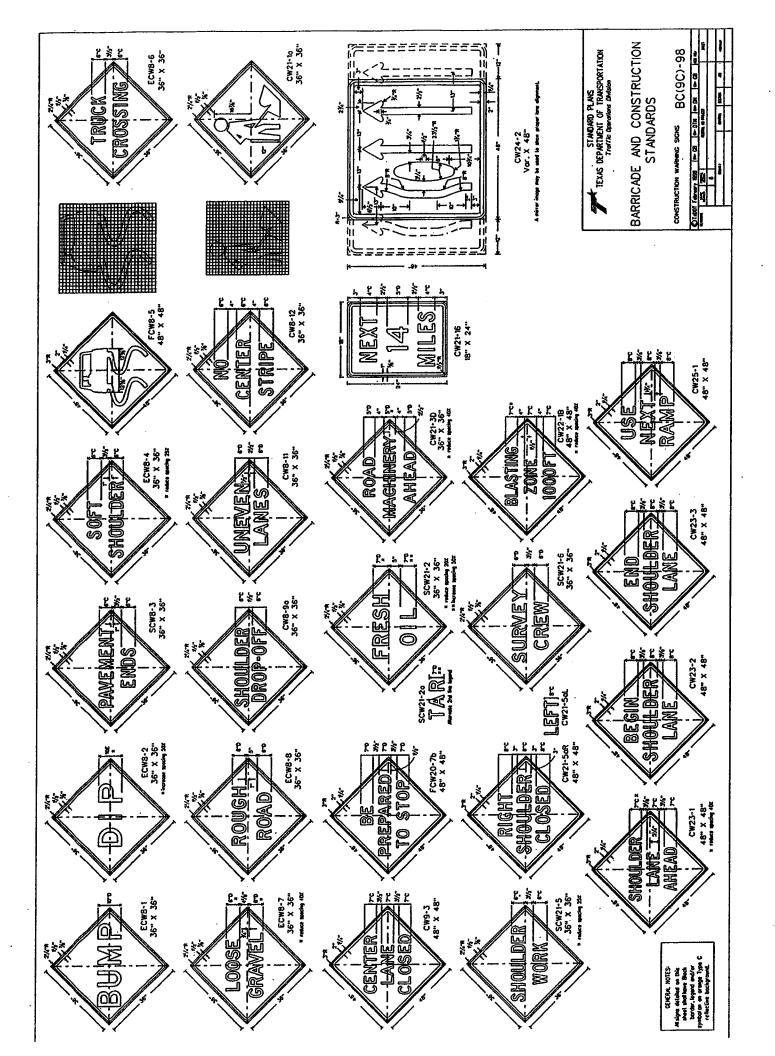
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NON-MANDATORY PRE-BID MEETING NOTES SAN ANTONIO WATER SYSTEM 2013 REHABILITATION WORK ORDER CONSTRUCTION CONTRACT 2 SAWS JOB NO. 13-4505 SAWS SOLICITATION NO. B-13-016-DB

I. MEETING TIME/PLACE

- Thursday, January 17, 2013, 10:00 a.m.
- SAWS, Tower II, Conference Room CR-C339

II. PROJECT DISCUSSION

- 1. This is an emergency type contract so 48-hour response is expected on all work orders. 48- Hour mobilization will not be paid separately and shall be considered subsidiary to other bid items.
- 2. The intent of this contract is to rehabilitate sanitary sewer lines using trenchless methods.
- 3. All work orders shall be designed trenchless and the contractor that wins this work order contract is expected to perform a majority of the work.
- 4. The contractor is expected to maintain work on each work order until it's complete and multiple work orders may be issued at one time.
- 5. Work orders can be issued on any side of town. Projects are unspecified.
- 6. There may be work orders for a variety of diameters.
- 7. All work hours may be necessary for this contract. This includes restricted hours, night work, and weekend work.
- 8. Please be familiar with SAWS standard specs and the specs for this contract.
- 9. Flow Management such as bypass pumping is subsidiary to other bid items for mains smaller than 24-inches. 24-inches and large, payment will be measured by length of rehabbed main, not bypass discharge main.
- 10. Please be sure to read the special conditions. If you do not meet all the criteria, your bid will be rejected.
- 11. The SMWB participation for this project is 17%.