

WICHITA COUNTY, TEXAS
REQUEST FOR BID PROPOSAL

Item: Replacement of Roller Road Bridge near Burkburnett, Texas.

General Information

Return proposal to:

Wichita County Commissioners Court
Courthouse Rm 260
900 7th Street
Wichita Falls, TX 76301

Sealed proposals must be received no later than call for opening in Room 270, Wichita County Courthouse on Monday, October 22, 2018 at 10:00 a.m.

Mark envelope: "Roller Road Bridge"

Interested contractors should contact Commissioner Lee Harvey at 832-205-0706 or Foreman Donald Farmer at 940-631-9309 to inspect the site on Roller Road, Burkburnett, Texas.

The Commissioners Court reserves the right to reject any or all proposals as deemed in the best interest of the County. Award of any contract resulting from this request shall be to the responsible offeror whose proposal is determined to be the lowest evaluated offer resulting from negotiations, taking into consideration the importance of price and other evaluation factors.

Late proposals received after call for opening will be returned. County will not be responsible for lateness or non-delivery by mail or other carrier.

Withdrawal of proposal. Proposal may be withdrawn by offeror up to call for opening. After opening, proposals may not be withdrawn without permission of Commissioners Court for a period of 30 days and offeror so agrees by submitting proposal.

Proposals will be received and publicly acknowledged at opening. Offerors, their representatives, and interested parties may be present. Proposal contents will not be disclosed until negotiations are complete. All proposals shall be open for public inspection after contract is awarded except for trade secrets and marked confidential information in the proposal.

Sales Tax. Wichita County is exempt from payment of Texas sales tax and federal excise tax. Do not include these prices in proposal pricing.

Contract. This proposal, accompanying documents and any negotiated terms when properly accepted by Wichita County shall constitute a binding contract between the successful offeror and Wichita County. No different or additional terms will become a part of this contract with the exception of Change Orders.

Delivery. All deliveries and freight charges are to be included in the contract price. If delay is foreseen, written notice will be given and the county advised of project status.

Reliability and quality of materials and workmanship must conform to the highest standards.

MINIMUM STANDARDS FOR RESPONSIBLE PROSPECTIVE OFFERORS:

A prospective offeror must meet the following requirements:

- a. Have adequate financial resources or ability to obtain such resources as required.
- b. Be able to meet the required or proposed delivery schedule.
- c. Have a satisfactory record of performance.
- d. Have a satisfactory record of integrity and ethics.
- e. Be otherwise qualified and eligible to receive contract award.

Patents and/or Copyright. The successful offeror agrees to protect Wichita County from claims involving infringements of patents and/or copyrights.

Warranty. Successful offeror shall warrant that all equipment, accessories and services shall conform to the proposed specification and/or all warranties as stated in the Uniform Commercial Code and be free from all defects in material, workmanship, and title.

Remedies. The successful offeror and Wichita County agree that both parties have all rights, duties, and remedies available as stated in the Uniform Commercial Code.

Venue. Any contract resulting from this request for proposal will be governed and construed according to laws of the State of Texas and performed in Wichita County, Texas.

Assignment. The successful offeror shall not sell, assign, transfer, or convey any contract resulting from this request for proposal, in whole or in part, without prior written consent of Wichita County.

Silence of Specification. The apparent silence of these specifications as to any detail or to the apparent omission from it of a detailed description concerning any point, shall be regarded as meaning that only the best commercial practices are to prevail. All interpretations of these specifications shall be made on the basis of this statement.

Invoices shall be detailed as to the equipment, accessories, materials, and services supplied and mailed directly to Wichita County Auditor, Courthouse Annex Suite 301, 600 Scott Street, Wichita Falls, Texas 76301. An original invoice is required. Payment will be made after receipt and acceptance by the County of all completed services and/or items ordered and receipt of a valid invoice in accordance with State of Texas Prompt Payment Act.

Any questions concerning this request for proposal and specifications should be directed to Commissioner Lee Harvey at 832-205-0706 or Foreman Donald Farmer at 940-631-9309.

WICHITA COUNTY

SCOPE OF WORK REQUESTED

This is a project to replace bridge on Roller Road near Burkburnett, Texas.

Contacts for visiting the construction site and discussing the work requested are:

Commissioner Lee Harvey	832-205-0706
Foreman Don Farmer	940-631-9309

TxDOT drawing is attached for the bridge and materials.

Precinct workers will fill roadway and road surface after box culverts and concrete work are in place and accepted. Engineer drawing is attached.

Work items

1. Inspect the work site. Contacts for information and visiting the site are listed above.
2. Preparation of work site. Set up barriers to block traffic at site. Demolish existing bridge, remove debris and prepare site for placement of two (2) 11' x 11' box culverts and associated concrete work as shown on TxDOT drawing.
3. Install the box culverts, wing walls, curbs, etc.
4. Remove construction forms and prepare site for inspection and roadway work by county employees.
5. Provide list of subcontractors that may be used, if any.
6. Return proposal for the project with estimated pricing for discussion, negotiation, and acceptance as may be agreed.

Wall, Willie

From: Harvey, Lee
Sent: Thursday, August 23, 2018 2:13 PM
To: Gossom, Woodrow; Mahler, Barry
Cc: Wall, Willie; Gregory, Nancy
Subject: Fwd: Roller Rd
Attachments: Roller Rd_Plans.pdf

Ok we need to get some contractors to bid this concrete work.

Lee

Sent from my Verizon Wireless 4G LTE smartphone

----- Original message -----

From: Lance Pomykal <Lance.Pomykal@txdot.gov>
Date: 2018/08/22 4:04 PM (GMT-06:00)
To: "Harvey, Lee" <Lee.Harvey@co.wichita.tx.us>
Subject: RE: Roller Rd

Here is the updated headwall. Adding 2 extra feet to it.

From: Lance Pomykal
Sent: Tuesday, August 14, 2018 8:18 AM
To: 'Lee.Harvey@co.wichita.tx.us'
Subject: Roller Rd

Hey Lee,

Got your text. I had sent this to you yesterday, or so I thought. It turns out when I clicked the link on the county website my outlook left off the period between Lee.Harvey. Sorry about that.

Also, I am sorry this took so long. Bridge division in Austin couldn't do any load ratings because they don't know how the steel rebar is placed in the existing culvert. They recommended going back with new boxes to be safe and that way we know the design for future inspections. I drew up a layout for 2~11'x11' boxes. These will pass the 10 yr storm event over the culvert. There will still be a little water that goes over the roadway. If you look at the layout the elevation of the 10yr event is 1010.18' and our surveyor got an elevation of 1009.64' at

Lee Harvey

the intersection of Clark Rd. Although, it will be over topping the roadway, I do believe it will be a smaller area impacted instead of the entire roadway like what you have now.

I have attached the drawn up layout and TxDOT standards we would use if we were to build this structure. I know this is a more expensive option for the precinct but this is what was recommended. If you have any more questions just let me know. Thanks.

Lance Pomykal, P.E.

District Bridge Engineer

Wichita Falls District

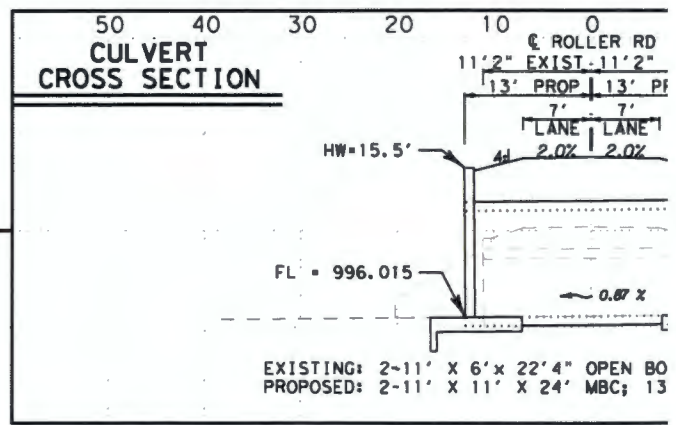
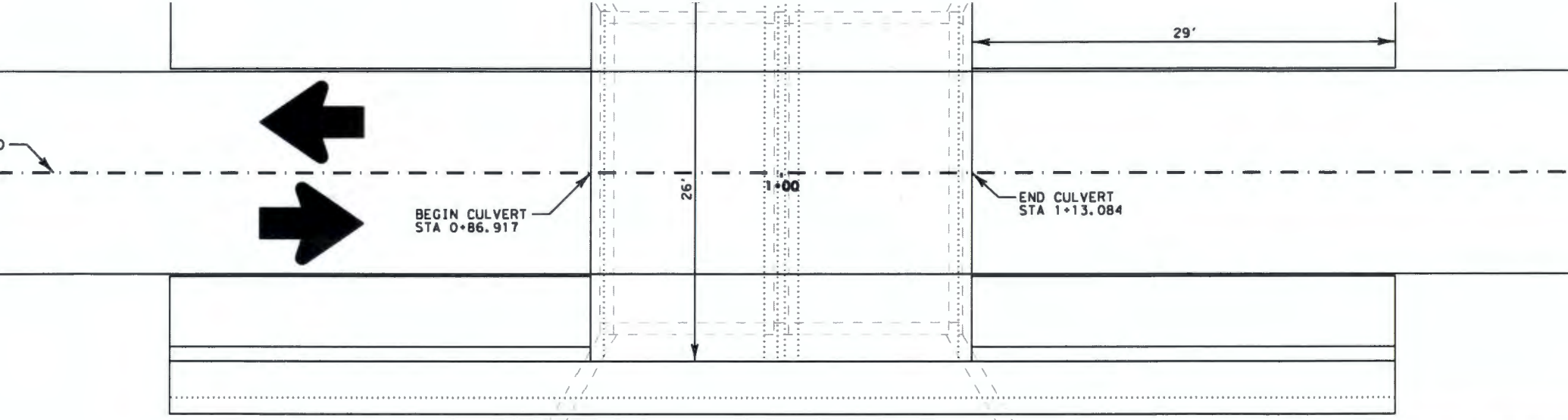
Office: (940) 720-7781

Lance.Pomykal@txdot.gov



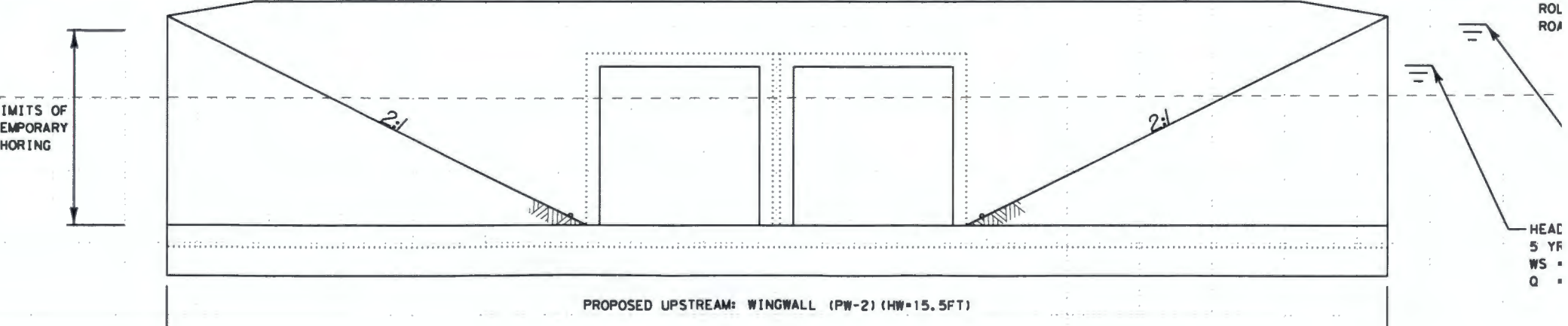
A Texas Department of Transportation (TxDOT) message



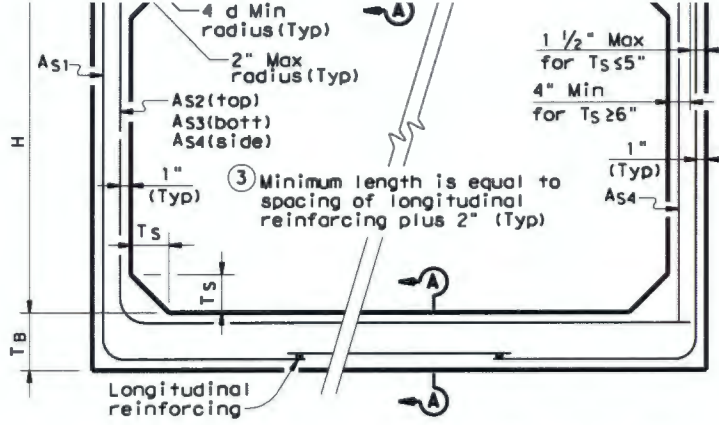


PLAN
ELEVATION

CULVERT PROFILE

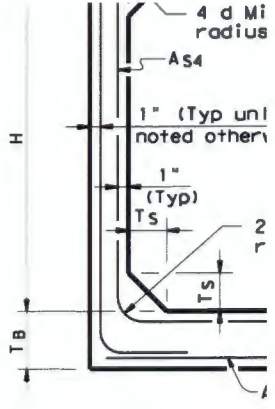


2<3	62	0.41	0.36	0.30	0.26	-	-	-	-	19.5
3-5	62	0.34	0.29	0.27	0.26	-	-	-	-	19.5
10	55	0.41	0.34	0.35	0.26	-	-	-	-	19.5
15	55	0.53	0.44	0.45	0.26	-	-	-	-	19.5
20	55	0.69	0.57	0.58	0.26	-	-	-	-	19.5
25	55	0.86	0.70	0.72	0.26	-	-	-	-	19.5
<2	-	0.30	0.36	0.33	0.26	0.26	0.26	0.26	0.26	21.7
2<3	62	0.35	0.43	0.37	0.26	-	-	-	-	21.7
3-5	55	0.29	0.35	0.33	0.26	-	-	-	-	21.7
10	55	0.35	0.40	0.42	0.26	-	-	-	-	21.7
15	50	0.45	0.52	0.54	0.26	-	-	-	-	21.7
20	50	0.57	0.67	0.69	0.26	-	-	-	-	21.7
25	50	0.71	0.83	0.85	0.26	-	-	-	-	21.7
<2	-	0.26	0.40	0.38	0.26	0.26	0.26	0.26	0.26	23.9
2<3	62	0.30	0.48	0.42	0.26	-	-	-	-	23.9
3-5	62	0.26	0.40	0.38	0.26	-	-	-	-	23.9
10	55	0.30	0.44	0.47	0.26	-	-	-	-	23.9
15	50	0.39	0.58	0.60	0.26	-	-	-	-	23.9
20	50	0.49	0.74	0.77	0.26	-	-	-	-	23.9
25	50	0.61	0.91	0.94	0.26	-	-	-	-	23.9
<2	-	0.26	0.45	0.43	0.26	0.26	0.26	0.26	0.26	26.1
2<3	75	0.27	0.53	0.48	0.26	-	-	-	-	26.1
3-5	69	0.26	0.44	0.43	0.26	-	-	-	-	26.1
10	62	0.28	0.48	0.52	0.26	-	-	-	-	26.1
15	55	0.35	0.61	0.65	0.26	-	-	-	-	26.1
20	50	0.44	0.78	0.83	0.26	-	-	-	-	26.1
<2	-	0.26	0.47	0.46	0.26	0.26	0.26	0.26	0.26	27.2
2<3	86	0.26	0.55	0.51	0.26	-	-	-	-	27.2
3-5	75	0.26	0.46	0.45	0.26	-	-	-	-	27.2
10	69	0.27	0.49	0.54	0.26	-	-	-	-	27.2
15	55	0.34	0.63	0.68	0.26	-	-	-	-	27.2
20	55	0.42	0.80	0.85	0.26	-	-	-	-	27.2



CORNER OPTION "A"

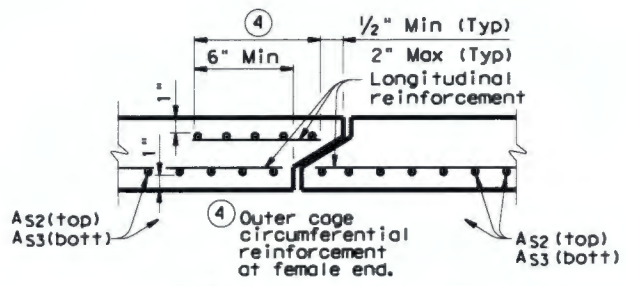
CORNER OPTION "B"



CORNER OPTION

FILL HEIGHT 2 FT AND GREATER

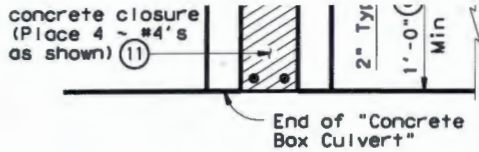
FILL HE



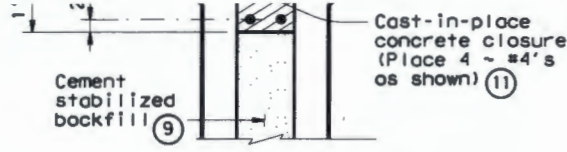
SECTION A-A

(TOP AND BOTTOM SLAB JOINT REINFORCEMENT)

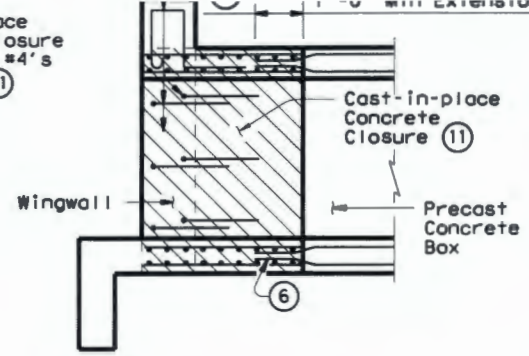
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SECTION B-B



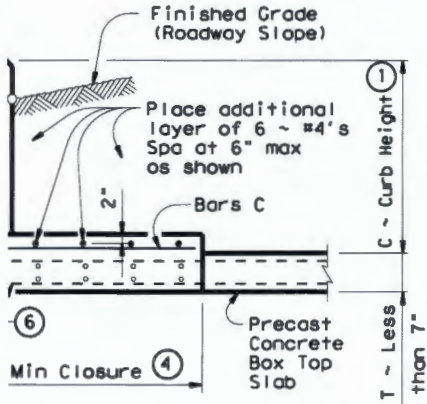
DETAIL "A" ⑬



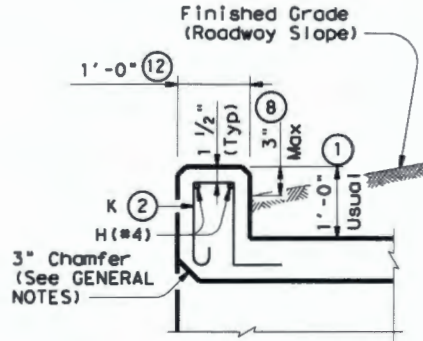
WINGWALL CONNECTION

(Also applies to Safety End Treatment)

- ③ Curb, Wingwall or Safety End into concrete closure. An the closure shall be bent
- ④ Cast-in-place concrete closure shall be cast short or broken by the closure shall be the box section. Except where closure shall be flush with precast box section.
- ⑤ For multiple unit placement interior walls may be adjusted top slab, bottom slab, and less than 3'-0". See Section cast full length.
- ⑥ Precast box reinforcing shall concrete closure (Typ).
- ⑦ Bands of reinforcing match reinforcing shall be placed slabs. A band matching the shall be placed in the gap face only). The bands shall reinforcing at each point
- ⑧ For vehicle safety, the following - For structures without b than 3" above finished grade - For structures with bridge finished grade. Curb heights shall be reduced requirements. No changes additional compensation will
- ⑨ Cement Stabilized Backfill Box Culvert for payment.
- ⑩ All curb concrete and reinforcement Culvert for payment.
- ⑪ Any additional concrete on shall be considered as sub
- ⑫ 1'-0" typical. 2'-0" when in the plans.
- ⑬ For multiple unit placement treatment, or with the top wall closure as shown in D
- ⑭ This dimension may be increased the precast boxes to be used "Jacking, Boring, or Tunneling for any additional material

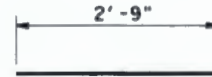


SLABS LESS THAN 7"

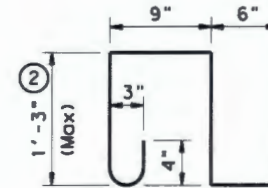


SECTION THRU CURB

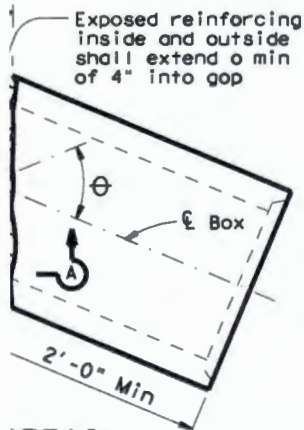
⑩ QUANTITIES PER FOOT OF CURB	
Reinforcing Steel	4.18 Lb
Concrete	0.037 CY



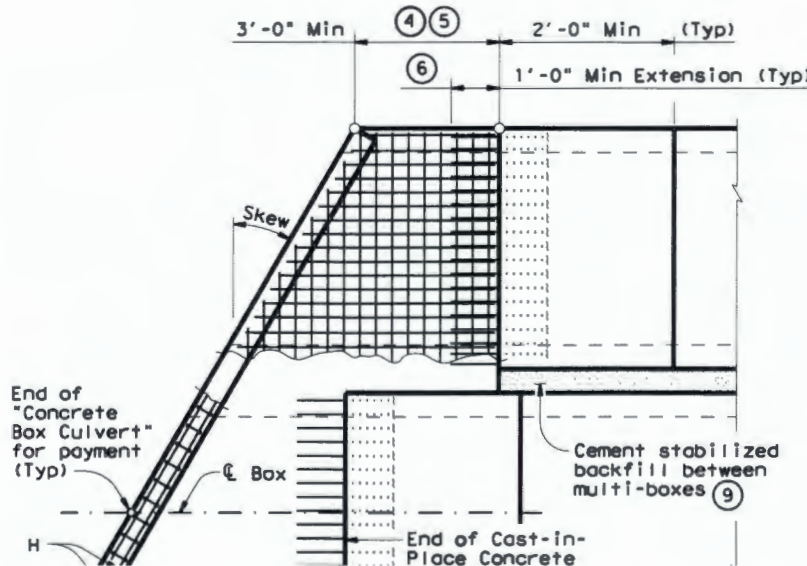
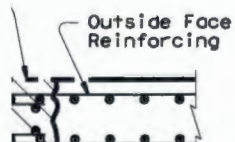
BARS C ~ #4
(Spa = 1'-0" Max)



BARS K ~ #4
(Spa = 1'-0" Max)
(Length = 4'-3")



DETAIL



GENERAL NOTES:

Designed according to AA
All closure concrete shall have a compressive strength of 3600 psi
Refer to the Item, "Concrete Substructure"
Any additional concrete shall be considered as subsidiary to the main structure
Refer to the Single Box Section for details not shown.
The bottom edge of the top slab shall be finished 3 inches at the entrance.

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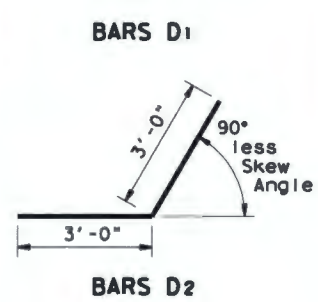
⑬ 6"

7"	#4	1'-0"	#4	1'-0"	48.64	0.406	6.85	0.071
7"	#4	1'-0"	#4	1'-0"	49.31	0.424	6.85	0.071
7"	#4	1'-0"	#4	1'-0"	49.98	0.444	6.85	0.071
7"	#4	1'-0"	#4	1'-0"	53.32	0.462	6.85	0.071
7"	#4	1'-0"	#4	1'-0"	53.98	0.480	6.85	0.071
7"	#4	1'-0"	#4	1'-0"	55.77	0.532	6.85	0.071
7"	#4	1'-0"	#4	1'-0"	59.77	0.568	6.85	0.071
7"	#4	1'-0"	#4	1'-0"	63.45	0.632	6.96	0.075
7"	#4	1'-0"	#4	1'-0"	67.46	0.668	6.96	0.075
7"	#5	1'-0"	#5	1'-0"	80.67	0.730	7.07	0.078
7"	#5	1'-0"	#5	1'-0"	85.05	0.768	7.07	0.078
8"	#5	1'-0"	#5	1'-0"	92.15	0.864	8.07	0.093
8"	#5	1'-0"	#5	1'-0"	96.54	0.902	8.07	0.093
8"	#5	6"	#5	6"	139.04	0.962	8.13	0.095
8"	#5	6"	#5	6"	144.47	1.000	8.13	0.095
9"	#5	6"	#5	6"	156.93	1.136	8.41	0.110
9"	#6	6"	#5	6"	196.27	1.234	8.57	0.117
11"	#6	6"	#6	6"	230.13	1.438	9.52	0.140
0"	#7	6"	#6	6"	283.41	1.592	9.74	0.157
2"	#8	6"	#6	6"	348.72	1.804	10.02	0.186
4"	#9	6"	#6	6"	432.94	2.046	10.30	0.218
6"	#9	6"	#7	6"	489.52	2.302	11.24	0.253
7"	#9	6"	#7	6"	505.72	2.448	11.47	0.279

M1	#4	4	-
P	#4	-	1'-0"
V	#4	-	1'-0"

TABLE OF TOEWALL REINFORCING

Bar	Size	No	Spa
J3	#4	-	1'-0"
M2	#4	2	-
E2	#4	-	1'-0"

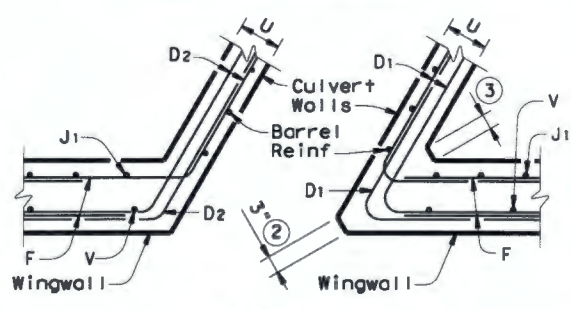
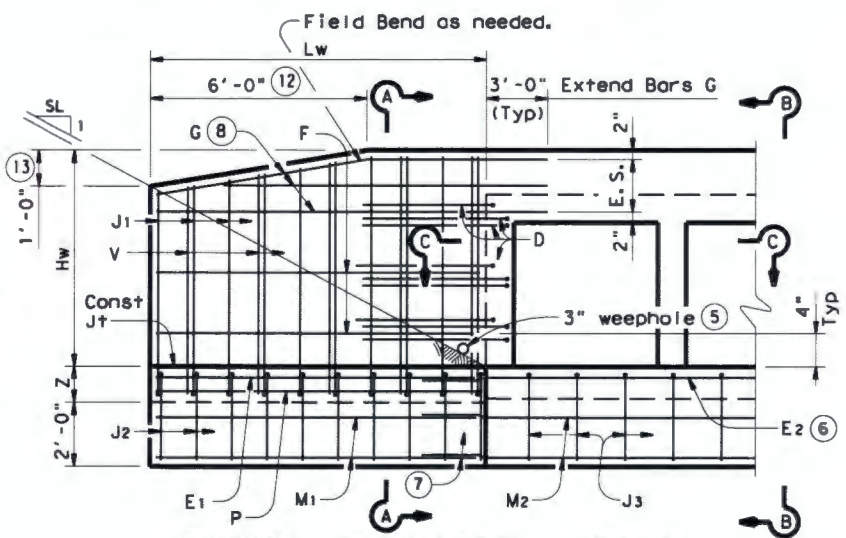
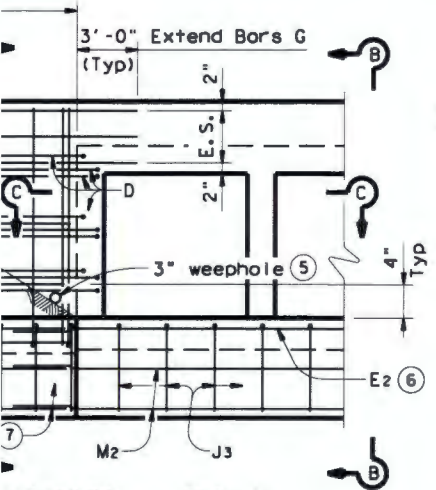
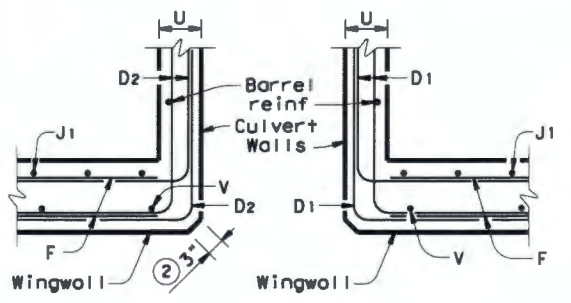
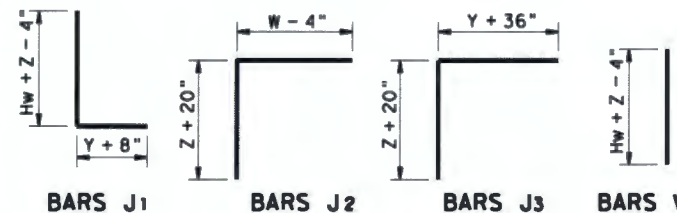


$Ltw = L(N) (S) + (N + 1) (U) + \text{Cosine } \theta$

For Precast culverts:
 $Ltw = [(N) (2 U + S) + (N - 1) (0.5')] + \text{Cosine } \theta$
 Total Wingwall Area (Two Wings ~ SF)
 = (2) (Hw) (Lw) for Ty PW-1
 = (2) (Hw) (Lw) - 6 SF for Ty PW-2 and Hw \geq 4'
 = (2) (Hw) (Lw) - 1.5 SF for Ty PW-2 and Hw < 4'

Hw = Height of Wingwall
 Lw = Length of Wingwall
 Ltw = Culvert Toewall Length
 N = Number of Culvert Spans
 SL:1 = Channel Slope ratio. (Horizontal: 1 Vertical, Usual value is 2:1)
 θ = Culvert Skew

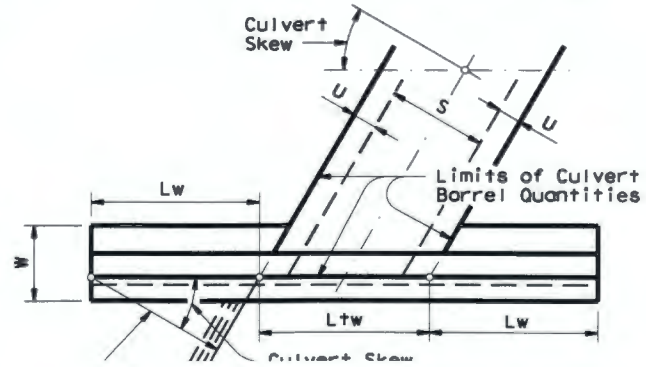
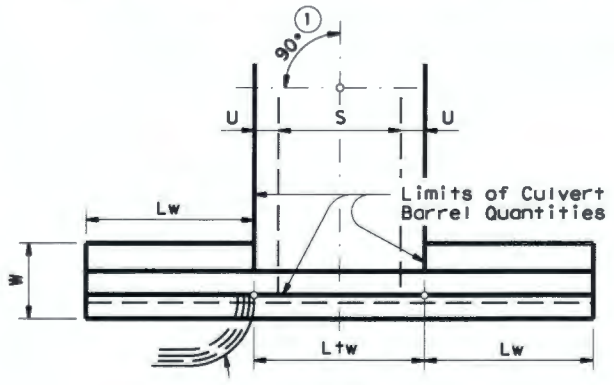
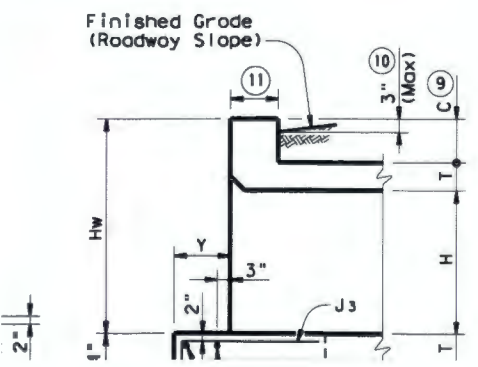
See applicable box culvert standard for S, H, T and U values.



VARIATION - PW-1

PARTIAL ELEVATION - PW-2

SECTION C-C



GENERAL N
 Designed
 Design Spec
 Provide C
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DESIGNER
 Type PW-1
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 Type PW-2
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PRECINCT #2 PROJECT WORKSHEET FOR NEGOTIATION

To: Wichita County Commissioners Court
Courthouse Room 260
900 7th Street
Wichita Falls, TX 76301

Mark sealed proposal: "Roller Road Bridge"
Opening Date: Monday, October 22, 2018
Commissioners Court, Room 270 at 10:00 a.m.

Commissioners:

Please find attached proposal for replacing a box culvert bridge on Roller Road near Burkburnett, Texas.

Proposed project cost is \$ _____

Days to complete project is _____ days.

Proposal is subject to change based on review and negotiation for project acceptance.

Respectfully submitted,

Printed name

Signature

Firm

Address

Address

Telephone Number

Email