



**CONSENT AGENDA
DRAINAGE DISTRICT
BOARD OF DIRECTORS
September 23, 2014
9:00 A.M.**

NOTICE is hereby given in accordance with Chapter 551, Texas Government Code, that a SPECIAL MEETING of the Drainage District #1 Board of Directors will be held at the Edinburg Council Chambers 415 W. University Drive, Edinburg, Hidalgo County, Texas. Discussion and possible action relating to the following business will be transacted:

**NOTICE TO THE PUBLIC
CONSENT AGENDA**

The following items are of a routine or administrative nature. The Drainage District #1 Board has been furnished with background and support on each item, and/or it has been discussed at a previous meeting. All items will be acted upon by one vote without being discussed separately unless requested by a Board Member, in which event the item or items will immediately be withdrawn for individual consideration in its normal sequence after the items not requiring separate discussion have been acted upon. The remaining items will be adopted by one vote.

1. Approval of check register and payment of claims and bills - County Treasurer
2. **AI-46578** Discharge Permit
Hidalgo County Precinct Four - Rankin Street - Drainage Improvement
3. **AI-46620** **Request approval to issue payment on the following items after review and audit procedures have been completed:**

2008 Bonds:

Inv. no. 20142046 in the amount of \$31,474.40 from Tedsi Infrastructure Group for Work Authorization no. 13-J09 Lateral Drain Revisions. PO#622583-14

2013 Bonds:

Inv. no. 20141944 in the amount of \$27,340.84 from Tedsi Infrastructure Group for Work Authorization no. 11-LRGVRWMP-Environmental Services PO#623577-14.

Inv. no. 20142036 in the amount of \$355,732.38 from Tedsi Infrastructure Group for Work Authorization no. 13-LRGVRWMP-Preliminary Eng. Rpt. PO#623666-14.

Inv. no. 20142032 in the amount of \$6,359.54 from Tedsi Infrastructure Group for Work Authorization no. 08-LRGVRWMP Gnl Management Consultant Services. PO#623578-14.

Inv. no. 20142035 in the amount of \$5,610.44 from Tedsi Infrastructure Group for Work Authorization no. 12-LRGVRWMP-Legal Services. PO#623665-14.

Inv. no. 11324932 in the amount of \$43,073.52 from L&G Consulting Engineers, Inc. for Work Authorization no. 4-Mission Inlet Project. PO#624010.

Inv. no. 001-REVISED in the amount of \$47,018.57 from DOS Logistics, Inc. for Work Authorization no. 1-Pct.4 Rural Drainage Development Hoehn Rd. PO#624354.

Inv. no. 20142037 in the amount of \$36,882.56 from Tedsy Infrastructure Group for Work Authorization no. 14-LRGVRWMP-Prel. Planning & Development. PO#623576-14.

- 4. AI-46628** Request approval for the following Line Item Transfers:
- A. Admin
 - B. M&O

AI-46578

2.

DRAINAGE - CONSENT

Meeting Date: 09/23/2014

Submitted By: Sylvia Sanchez, DRAINAGE
DISTRICT

Department: DRAINAGE DISTRICT

Information

CAPTION

Discharge Permit

Hidalgo County Precinct Four - Rankin Street - Drainage Improvement

BACKGROUND

Form Review

Inbox	Reviewed By	Date
Budget & Management	Debbie Tamez	09/18/2014 10:28 AM
Final Approval	Monica Badillo	09/19/2014 05:44 PM
Form Started By: Sylvia Sanchez		Started On: 09/18/2014 09:06 AM
	Final Approval Date: 09/19/2014	

AI-46620

3.

DRAINAGE - CONSENT

Meeting Date: 09/23/2014

Submitted By: Claudette Guerrero, DRAINAGE
DISTRICT

Department: DRAINAGE DISTRICT

Information

CAPTION

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BACKGROUND

Attachments

Teds Inv#20142037

DOS Inv#001-Revised

L&G Inv#11324932

Teds Inv#20142046

Tedsi Inv#20142035

Tedsi Inv#20142032

Tedsi Inv#20142036

Form Review

Inbox	Reviewed By	Date
Budget & Management	Debbie Tamez	09/19/2014 11:56 AM
Final Approval	Monica Badillo	09/19/2014 05:44 PM
Form Started By: Claudette Guerrero		Started On: 09/19/2014 11:16 AM
	Final Approval Date: 09/19/2014	

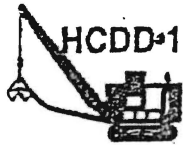
HIDALGO COUNTY DRAINAGE DISTRICT NUMBER ONE

902 NORTH DOOLITTLE

EDINBURG, TEXAS 78542

(958) 292-7080

FAX (958) 292-7089



GODFREY GARZA, JR.
MANAGER

INVOICE PROCESSING CHECKLIST

Date Received: 9-9-14

Engineer/Firm Name: TECSI

Project Name/Number: LRGVRWMP - Preliminary Planning & Des.

Invoice No: #20142037

Logged in and Scanned: 130 9/9 By: Rosa One Forwarded to: Joey Garza

Engineer	Name	Date	Comment
Scope of work reviewed			

Accounting	Name	Date	Comment
Encumbrance			
Purchase Order Attached			
Audit			
Final Approval for Agenda			

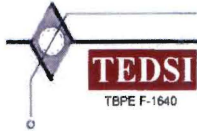
	Name	Date	Comment
Placed on Agenda			

Additional Comments: _____

SEP 09 2014

11:42 AM/PM

BY: Rosa Arce



TEDSI INFRASTRUCTURE GROUP

Consulting Engineers

1201 East Expressway 83 ♦ Mission, Texas 78572
Tel: (956) 424-7898
Fax: (956) 424-7022

September 08, 2014

Project No: 2013-1128-14

Invoice No: 20142037

REVISED INVOICE

Ms. Claudette Guerrero
Hidalgo County Drainage District No. 1
902 North Doolittle Road
Edinburg, TX 78542

Project 2013-1128-14 LRGVRWMP - Preliminary Planning & Development

**Precinct No. 1 2012 Bond Referendum
Field Surveying, Water Quality and Architectural Services
Account No. 13-133-433-360-010-000-43340
P. O. No. 623576
Work Authorization No. 14**

Professional Services from July 01, 2014 to July 31, 2014

Fee

Billing Phase	Fee	Percent Complete	Earned	Previous Fee Billing	Current Fee Billing
Preliminary Field Surveying	81,571.20	38.0584	31,044.69	0.00	31,044.69
Raw Water Sample & Analysis	64,293.76	69.38	44,607.01	38,769.14	5,837.87
Architectural Services	70,128.10	0.00	0.00	0.00	0.00
Total Fee	215,993.06		75,651.70	38,769.14	36,882.56
Total Fee					36,882.56

Billing Summary

	Current	Prior	To-Date
Total Billings	36,882.56	38,769.14	75,651.70
Total Fee			215,993.06
Remaining Fee			140,341.36

Total this Invoice \$36,882.56

PLEASE REMIT PAYMENT TO:
TEDSI Infrastructure Group, Inc.
738 Highway 6 South, Suite 430
Houston, Texas 77079

Authorized By:
Mark W. Lupher, P.E., FPLS
Executive Vice President

Date: 9.8.14

HIDALGO COUNTY DRAINAGE DISTRICT NUMBER ONE

902 NORTH DOUGLASS

EDINBURG, TEXAS 78542

(956) 292-7080

FAX (956) 292-7089



GODFREY GARZA, JR.
MANAGER

INVOICE PROCESSING CHECKLIST

Date Received: 9-3-14

Engineer/Firm Name: DL, Inc.

Project Name/Number: Pct#4 Rural Dev. Proj. Behn Rd. WA#1

Invoice No: # 001 REVISED

Logged in and Scanned: 4/1 9/3 By: Rosa Arce Forwarded to: Joey Garza

Engineer	Name	Date	Comment
Scope of work reviewed			

Accounting	Name	Date	Comment
Encumbrance			
Purchase Order Attached			
Audit			
Final Approval for Agenda			

	Name	Date	Comment
Placed on Agenda			

Additional Comments: _____



Letter of Transmittal

To: Mrs. Claudette Guerrero
 Hidalgo County Drainage District
 902 N. Doolittle
 Edinburg, Texas 78542

JOB NO.
ATTN: Mrs. Claudette Guerrero/Mr. Jose Saldivar
RE: Hidalgo County Drainage District Pct#4 Rural Development Project Hoehn Rd. WA#1

WE ARE SENDING YOU

- | | |
|--|------------|
| SOQ | Check |
| Specifications | Proposal |
| Contract | Submittals |
| <input checked="" type="checkbox"/> Invoices | Samples |
| <input type="checkbox"/> Change Order | Originals |

Routing Method:	
US Mail	Certified
Lone Star Overnight	Fed Ex
<input checked="" type="checkbox"/> Hand Delivered	Fax
E-mail	Pick Up

Originals	Date	Copies	Description
1	9/03/14		DLI Invoice #1 Revised
1	9/03/14		CD with backup information in accordance to percentages included on attached revised invoice

THESE ARE TRANSMITTED as checked below:

- | | | |
|--------------|------------------------|------------------------------------|
| For Approval | Approved as submitted | Resubmit ___ copies for approval |
| For your use | Approved as noted | Submit ___ copies for distribution |
| As requested | Return for corrections | Returned ___ corrected prints |

Remarks:

SIGNED
 Oscar Cancino, P.E.

RECEIVED BY:
 4:34 AM/PM

DATE: 9-3-14

RECEIVED ON: _____

RECEIVED
 HIDALGO COUNTY
 DRAINAGE DISTRICT #1

SEP 03 2014

DATE: Wednesday, September 03, 2014
INVOICE # 001 REVISED
FOR: Pct# 4Rural Dev.Project-Hoehn Rd. W/A #1
 Engineering Services B.O.D. 2-11-14

Purchase Order 624354

Bill To:
 Hidalgo County Drainage District
 902 N. Doolittle
 Edinburg, Texas 78542
 Office (956) 292-7080
 Fax (956) 292-7089

ATTN: Mrs. Lora Briones

DESCRIPTION	Contract Amount	Percent Completed	Current Amount Due	Previously Invoiced	Remaining Balance
Project Management	\$ 6,400.00	10%	\$ 640.00	\$ -	\$ 5,760.00
Design Criteria Coordination	\$ 21,328.00	60%	\$ 12,796.80	\$ -	\$ 8,531.20
Hydrologic Analysis	\$ 26,394.00	60%	\$ 15,836.40	\$ -	\$ 10,557.60
Hydraulic Analysis	\$ 27,800.00	60%	\$ 16,680.00	\$ -	\$ 11,120.00
Plan Preparation	\$ 10,653.68	10%	\$ 1,065.37	\$ -	\$ 9,588.31
	\$ 92,575.68	51%	\$ 47,018.57	\$ -	\$ 45,557.11

Total Current Amount Due **\$ 47,018.57**


 Oscar Cancino, P.E.

9-3-14
 Date

Please remit to:
Dos Logistics, Inc.
1002 E. Expressway 83
Weslaco, TX 78596



**HIDALGO COUNTY
DRAINAGE DISTRICT**

902 N. DOOLITTLE
EDINBURG, TEXAS 78542

624354

Date	Number
3/19/2014	624354

PURCHASE ORDER

Vendor Address:
DOS LOGISTICS, INC
P.O. BOX 8337
WESLACO, TX 78599

Attention:

Shipping Address: 902 N. Doolittle
Edinburg, TX 78542

PCT #4 RURAL DEVELOPMENT PROJECT-HOEHN RD. W/A
#1 ENGINEERING SERVICES. B.O.D. 2-11-14

Shipping Method:

VENDOR NOTES

- DO NOT ADD TO, ALTER THIS PURCHASE ORDER. THIS ORDER IS NOT RENEWABLE.
- TAX EXEMPTION: THIS PURCHASE ORDER MAY BE ACCEPTED IN LIEU OF EXEMPTION CERTIFICATE.
- THIS ORDER IS ALSO PLACED F.O.B. DESTINATION. VENDOR MUST REPAY ALL SHIPPING COSTS.
- INVOICE EACH PURCHASE ORDER SINGLY. ORIGINAL INVOICES ARE REQUIRED. CUSTOMER COPY MAY BE ACCEPTED.
- PAYMENT WILL BE MADE ONLY FOR BONA FIDE AND FULLY COMPLETED ORDERS, UNLESS OTHERWISE ATTACHED.

Item Code	Description	GL Code	Dist... Code	Quantity	Unit Price	Total	Date Received
TAS...	PROJECT MANAGEMENT ADMN	43340	365	1.00	6,400.00	6,400.00	
TAS...	DESIGN CRITERIA COORDINATION	43340	365	1.00	21,328.00	21,328.00	
TAS...	HYDROLOGIC ANALYSIS	43340	365	1.00	26,394.00	26,394.00	
TAS...	HYDRAULIC ANALYSIS	43340	365	1.00	27,800.00	27,800.00	
TAS...	PLAN PREPARATION	43340	365	1.00	10,653.68	10,653.68	

Purchase Order Total: \$92,575.68

Vendor Name DOS LOGISTICS, INC

3/19/2014

624354

Item Code	Item Description	Unit of Measure	Quantity	Unit Price	Total
TASK 145	PROJECT MANAGEMENT ADMN	HRS 62	1.00	6,400.00	6,400.00
TASK 160.01	DESIGN CRITERIA COORDINATION	HRS 80	1.00	21,328.00	21,328.00
TASK 160.02	HYDROLOGIC ANALYSIS	HRS 88	1.00	26,394.00	26,394.00
TASK 160.3	HYDRAULIC ANALYSIS	HRS 96	1.00	27,800.00	27,800.00
TASK 160.4	PLAN PREPARATION	HRS 320	1.00	10,653.68	10,653.68

Purchase Order Total: \$92,575.68

Authorized By: Law Bruner

HIDALGO COUNTY DRAINAGE DISTRICT NUMBER ONE

902 NORTH DOOLITTLE

EDINBURG, TEXAS 78542

(956) 292-7080

FAX (956) 292-7088



INVOICE PROCESSING CHECKLIST

GODFREY GARZA, JR.
MANAGER

Data Received: 9-8-14

Engineer/Firm Name: L&G Engineering

Project Name/Number: Mission Inlet Rec. Project

Invoice No: #11324932

Logged in and Scanned: 240 9/8 By: Rosa Arre Forwarded to: Joey Garza

Engineer	Name	Date	Comment
Scope of work reviewed			

Accounting	Name	Date	Comment
Encumbrance			
Purchase Order Attached			
Audit			
Final Approval for Agenda			

	Name	Date	Comment
Placed on Agenda			

Additional Comments: _____

L & G Consulting Engineers Inc
2100 W. Expressway 83
Mercedes, TX 78570
(956)565-9813 Fax (956)565-9018

INVOICE#: 11324932
INVOICE DATE: 8/31/2014

RECEIVED
 HIDALGO COUNTY
 DRAINAGE DISTRICT #1

SEP 08 2014

2:40 AM (PM)
 BY: Rosa Ane

BILL TO: 87
 Hidalgo County Drainage District#1
 902 N. Doolittle
 Edinburg, TX 78542

JOB:130204
 Mission Inlet Recertification Project
 WA#4
 P.O.#624010

DESCRIPTION	CONTRACT	PREVIOUS APPLICATIONS	CURRENT COMPLETED	TOTAL COMPLETED	% COMPL	BALANCE TO FINISH
Engineering services for the month of August 2014.						
FC 13001 - Task 1 - Compilation & Review of Public Records	12,004.46	12,004.46		12,004.46	100.0	-
FC 16104 - Task 2 - Georeferencing of Parcels & Survey Plat	13,655.78	13,655.78		13,655.78	100.0	-
FC 11001 - Task 3 - Sketching of Parcels & Survey Plats for F	13,655.78	13,655.78		13,655.78	100.0	-
FC 10201 - Task 4 - Researching & Cross Referencing Latest HC	9,878.66	9,878.66		9,878.66	100.0	-
FC 16101 - Task 5 - Calculation of Areas of Existing Levee &	10,429.26	10,429.26		10,429.26	100.0	-
FC 10205 - Task 6 - Segmenting, Organizing & Databasing	8,753.46	8,753.46		8,753.46	100.0	-
FC 10204 - Task 7 - Support to HCDD#1 on Project Development	58,837.20	58,837.20		58,837.20	100.0	-
FC 16106 - Task 8 - Coordination and Support to Hydraulic Eng	39,691.72	37,734.64	1,306.80	39,041.44	98.4	650.28
FC 16170 - Task 9 - SUB/Phase II - Proposed Conditions H&H Mo	394,813.00	372,086.40	11,218.77	383,305.17	97.1	11,507.83
FC 10203 - Task 10 - Coordination with USBWC/USACE for Certi	19,270.72	1,969.59		1,969.59	10.2	17,301.13
FC 16107 - Task 11 - Coordination with FEMA for Accreditation	11,267.32	1,169.25		1,169.25	10.4	10,098.07
FC 16109 - Task 12 - Development of Proposed Conditions Graph	12,830.52	3,207.63		3,207.63	25.0	9,622.89
FC 11004 - Task 13 - Development of Final Proposed Conditions	33,989.56	8,497.39		8,497.39	25.0	25,492.17
FC 16401 - Task 14 - Preliminary Engineering Report Summarizi	18,782.74			0.00	0.0	18,782.74
FC 16108 - Task 15 - Coordination and Support to Hydraulic En	21,321.50		3,076.32	3,076.32	14.4	18,245.18
FC 11040 - Task 16 - Sub/Phase III - Conditional Letter of Ma	212,227.00		27,471.63	27,471.63	12.9	184,755.37
FC 16301 - Task 17 - Development of Final Binder w/All Data.	15,768.92			0.00	0.0	15,768.92
	907,177.60	551,879.50	43,073.52	594,953.02		312,224.58
Direct Expenses	16,250.00	8,898.82	0.00	8,898.82	54.8	7,351.18
	16,250.00	8,898.82	0.00	8,898.82		7,351.18
TOTALS:	923,427.60	560,778.32	43,073.52	603,851.84	65.4	319,575.76

ORIGINAL CONTRACT SUM \$ 923,427.60
 CHANGE BY CHANGE ORDER \$ 0.00
 CONTRACT SUM TO DATE \$ 923,427.60
 TOTAL COMPLETED TO DATE \$ 603,851.84
 LESS PREVIOUS INVOICES \$ 560,778.32
 CURRENT PAYMENT DUE \$ 43,073.52


 PROJECT MANAGER'S SIGNATURE

L&G Consulting Engineers, Inc
 2100 W. Expressway 83
 Mercedes, Texas 78570
 (956) 565-9813

Project Workhour Report

Mission Inlet Recert. Project WA#4
 Reference: Inv#11324932
 Date: 08/31/2014
 P.O.#624010

	Hrs		Rate	Total
Senior Project Manager	4.00	X	212.59	\$850.36
Senior Engineer	8.00	X	175.07	\$1,400.56
Design Engineer	12.00	X	112.55	\$1,350.60
Senior Engineer Tech	10.00	X	78.16	\$781.60
ROW Administrator	0.00	X	106.29	\$0.00
Admin/Clerical	0.00	X	56.27	\$0.00

Grand Total of Hours

\$ 4,383.12
 \$ -

(Difference due to rounding hours)

Invoice Summary

Man Hours **\$ 4,383.12**
 Sub Contract **\$ 38,690.40**

(See Attached Sub Invoice for Man Hour Breakdown)

Direct Expenses	Current Units		Rate		
30 ft. Long by 3 ft. Tall Schematic Exhibit (90sq. Ft) @\$5.00/sq. ft	0	X	1,350.00	\$	-
8.5 X 11 Copies (i.e. Section I, II, III Inventory Binders) - (4,000 units)	0	X	2,000.00	\$	-
Travel	0	X	2,500.00	\$	-
				\$	-
				\$	-

(Difference due to rounding)

Total Per Invoice Submitted

\$ 43,073.52




2299 Lone Star Drive, Ste 239
 Sugar Land, Texas 77479
 (713) 782-3811

INVOICE

Engineering Services
 Mission Inlet Recertification Project - Phase II & III

L&G Engineering 2100 W. Expressway 83 Mercedes, Texas 78570 Attention: Mr. Reza Badiozzamani, P.E.	CSE Invoice Number: 201437 CSE Project Number: LG2013013 Invoice Period: 07/26/2014 Through 08/25/2014 Invoice Date: August 25, 2014
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<table border="1"> <tr> <td>Contract Amount</td> <td>Contract Amount Remaining</td> </tr> <tr> <td>\$607,040.00</td> <td>\$196,263.20</td> </tr> </table>		Contract Amount	Contract Amount Remaining	\$607,040.00	\$196,263.20								
Contract Amount	Contract Amount Remaining												
\$607,040.00	\$196,263.20												
Employee Classification	Rate	Previous		This Period		To Date							
		Hr	Total	Hr	Total	Hr	Total						
Project Manager	\$178.36	240.0	\$42,806.40	20.0	\$3,567.20	260.0	\$46,373.60						
Project Engineer	\$164.64	1,720.0	\$283,180.80	180.0	\$29,635.20	1,900.0	\$312,816.00						
GIS Specialist	\$137.20	336.0	\$46,099.20	40.0	\$5,488.00	376.0	\$51,587.20						
Subtotal			\$372,086.40		\$38,690.40		\$410,776.80						
Deren Li, Ph.D., P.E., D.WRE Project Manager 		<table border="1"> <tr> <td>TOTAL FEE EARNED:</td> <td>\$410,776.80</td> </tr> <tr> <td>LESS PREVIOUSLY INVOICED:</td> <td>\$372,086.40</td> </tr> <tr> <td>TOTAL AMOUNT DUE THIS INVOICE:</td> <td>\$38,690.40</td> </tr> </table>						TOTAL FEE EARNED:	\$410,776.80	LESS PREVIOUSLY INVOICED:	\$372,086.40	TOTAL AMOUNT DUE THIS INVOICE:	\$38,690.40
TOTAL FEE EARNED:	\$410,776.80												
LESS PREVIOUSLY INVOICED:	\$372,086.40												
TOTAL AMOUNT DUE THIS INVOICE:	\$38,690.40												

Mission Inlet Recertification Project – Phase II & III
Monthly Progress Report No. #6 – August 2014

Period of Coverage: August 2014
Date of Submittal: August 25, 2014
Submitted To: Reza Badiozzamani, P.E.
Prepared By: Civil Systems Engineering Inc.

Phase II for the Mission Inlet Recertification Project is to evaluate alternative components and improvement plans to Mission Inlet to reclaim portion of the lands within the effective floodplain and to provide a higher flood protection to the existing developments. This study covers the following activities:

I. ALTERNATIVE COMPONENT AND PLAN ANALYSIS

1. Coordination with HCDD1, L&G, FEMA, and IBWC
2. Proposed conditions HEC-HMS modeling analysis
3. Proposed conditions HEC-RAS modeling analysis
4. Perform 1D and 2-D SWMM dynamic modeling analysis
5. Perform constrain and opportunities analysis.
6. Formulate alternative plans for the project.
7. Perform detailed hydrologic and hydraulic modeling analysis to evaluate and optimize alternative plans and recommend a preferred proposed plan for the project.
8. Perform flood hazard mapping using the resulting water surface data and the LiDAR topographic data for the recommend plan.
9. Cost estimation.
10. Prepare a Technical Report to summarize the assumptions, methodology, and results for the project.

II. CONDITIONAL LETTER OF MAP REVISION (CLOMR)

1. Coordination with FEMA and other relevant agencies.
2. Prepare MT-2 application forms.
3. Prepare narrative on project and submittal.
4. Prepare hydrologic computations results along with digital files of computer models used.
5. Prepare hydraulic computations along with the digital files of computer models used.
6. Prepared certified topographic map with floodplain and floodway delineations.
7. Prepare annotated FEMA FIRM and/or FBFM to reflect changes due to the proposed to the Mission Inlet drainage system.
8. Address FEMA comments

PROGRESS TO REPORT FOR THIS PERIOD

I. ALTERNATIVE COMPONENT AND PLAN ANALYSIS

Activity 1 – Coordination and meetings

Coordinate with District and L&G for presentation exhibits and slides. Updated presentation exhibits/slides based on District comments.

Activity 2 – Proposed conditions HEC-HMS modeling analysis

Generated HEC-HMS models for 5 & 10-year conditions. Exported result hydrographs for input into SWMM models.

Activity 3 – Proposed conditions HEC-RAS modeling analysis

Updated proposed alternative HEC-RAS modeling for latest channel improvement cross-section configuration. Export RAS sections into SWMM models for proposed PH2 & PH3 analyses.

Activity 4 – 1D and 2D SWMM modeling analysis

Activity 5 – Perform constrains and opportunities analysis

Activity 6 – Alternative plan formulation

Additional closed-gate scenarios were investigated to verify appropriate responses including: update of no-additional pump and four additional pump alternatives for Phase 2 and no-additional pumps for Phase 3.

Updated cad cross-sections of proposed channel improvement section at McAllen Airport locations.

Activity 7 – Alternative evaluation and optimization

Updated Phase 1, Phase 2, Phase 3 SWMM modeling based on comments from District.

Updates included modification to channel improvement cross-section configuration, elimination of levee relocation, and utilizing overbank embankment fill.

Analyzed PH 1, 2, 3 models for 100-year open & closed gate conditions.

Analyzed latest Phase 1, Phase 2, Phase 3 SWMM models for 5-year, 10-year, and 25-year conditions for closed-gate scenarios.

Activity 8 – Flood hazard mapping

Performed flood plain and hazard depth mapping for both open and closed gate conditions based on latest modeling updates.

Activity 9 – Cost estimation

Activity 10 – Technical report.

Preparing draft technical report.

II. CONDITIONAL LETTER OF MAP REVISION (CLOMR)

Activity 1 -Coordination with FEMA and other relevant agencies.

Activity 2 - Prepare MT-2 application forms.

Activity 3 -Prepare narrative on project and submittal.

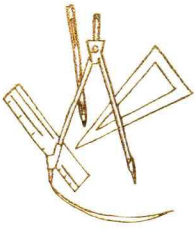
Activity 4 - Prepare hydrologic computations results along with digital files of computer models used.

Activity 5 - Prepare hydraulic computations along with the digital files of computer models used.

Activity 6 - Prepared certified topographic map with floodplain and floodway delineations.

Activity 7 - Prepare annotated FEMA FIRM and/or FBFM to reflect changes due to the proposed to the Mission Inlet drainage system.

Activity 8 - Address FEMA comments



L&G Engineering

September 3, 2014

Transportation Consultants

Mr. Godfrey Garza – Executive Director
Attn: Ms. Lora Briones – Chief Financial Officer
Hidalgo County Drainage District #1
902 N. Doolittle
Edinburg, Texas 78542

RECEIVED
HIDALGO COUNTY
DRAINAGE DISTRICT #1

SEP 08 2014

2:40 AM/PM

BY: Rosa Arce

RE: Work Authorization #4 on Mission Inlet Recertification Project – Progress Report
Job #130204
P.O. #624010

Dear Mr. Garza,

Attached for your review and approval is our invoice for the services rendered during the month of August 2014 on the subject referenced project.

The following is attached:

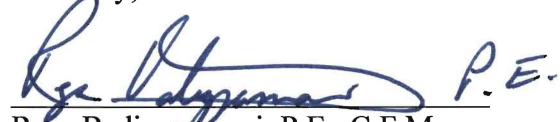
- L&G's Invoice # 11324932
 - CD w/ Inv Back-Up (Elec File Submit)
 - Task 8 & Task 9 (together)
 - Task 15 & Task 16 (together)

TASK		% COMPL
FC13001 – Task 1 ~ Compilation & Review of Public Records (Appraisal District, Hidalgo County Records, HCDD #1 Easement & Quit Claim Deeds)	L&G	100%
Task Complete – See progress report dated February 4, 2014		
FC16104 – Task 2 ~ Georeferencing of Parcels & Survey Plat Information for Overall Existing Floodway/Levee Easement Map	L&G	100%
Task Complete – See progress report dated February 4, 2014		
FC11001 – Task 3 ~ Sketching of Parcels & Survey Plats for Floodway/Levee Easements Identified w/ No Survey Info (Using Easement Claim Parameters)	L&G	100%
Task Complete – See progress report dated February 4, 2014		
FC10201 – Task 4 ~ Researching & Cross Referencing Latest HC Appraisal District Info w/ Documented Floodway/Levee Easement Data	L&G	100%
Task Complete – See progress report dated February 4, 2014		
FC16101 – Task 5 ~ Calculation of Areas of Existing Levee & Floodway Easements for Potential Release of Lien	L&G	100%
Task Complete – See progress report dated February 4, 2014		
FC10205 – Task 6 ~ Segmenting, Organizing & Databasing (Electronic & Hard Copies) Existing HCDD #1 Data (Section I, II and III Project Binders)	L&G	100%
Task Complete – See progress report dated February 4, 2014		
FC10204 – Task 7 ~ Support to HCDD #1 on Project Development (i.e. Meetings w/ Land Owners, Coord. w/ County, Coord. w/ Cities, etc.)	L&G	100%

Task Complete – See progress report dated February 4, 2014		
FC16106 – Task 8 ~ Coord. & Supp. to CSE - HEC-HMS, RAS, & SWMM Model	L&G	98.4%
Update – L&G has continued coordination with CSE in the development of the proposed condition model for the Mission Inlet based on various options that were previously discussed.		
FC16170 – (SUB) Task 9 ~ Phase II – Proposed Condition H&H Modeling Analysis	CSE	97.1%
Update – See progress report from CSE titled “Mission Inlet Recertification Project – Phase II & III ~ Monthly Progress Report No.#6 – August 2014” for a detailed explanation of the work that has been completed during this billing period.		
FC10203 – Task 10 ~ Coord. w/ USIBWC/USACE for Cert. of Levee Sections	L&G	10.2%
No Update – See Progress Report Date March 31, 2014		
FC16107 – Task 11 ~ Coord. w/ FEMA for Accreditation of Levee	L&G	10.4%
No Update – See Progress Report Date March 31, 2014		
FC16109 – Task 12 ~ Development of Final Proposed Conditions Graphic Files (Location Specific Exhibits) In Concert w/ H&H Modeling (Incl. Structure Sizing)	L&G	25%
No Update – See Progress Report Dated August 4, 2014		
FC11004 – Task 13 ~ Development of Final Proposed Conditions Schematic w/ Typical Sections (For Usage in PS&E Development)	L&G	25%
No Update – See Progress Report Dated August 4, 2014		
FC16108 – Task 15 ~ Coordination and Support to Hydraulic Engineer for Conditional Letter of Map Revision	L&G	14.4%
Update – L&G has continued coordination with CSE in the development of the Conditional Letter Map revision		
FC11040 – (SUB) Task 16 ~ Phase III – Conditional Letter of Map Revision	CSE	12.9%
Update – See progress report from CSE titled “Mission Inlet Recertification Project – Phase II & III ~ Monthly Progress Report No.#6 – August 2014” for a detailed explanation of the work that has been completed during this billing period.		
Direct Expenses	L&G	54.8%
No Update – See Progress Report Dated August 4, 2014		

Should you have any questions regarding this submittal or would like clarification on any aspect of the project, please do not hesitate to call me at (956) 583-7117.

Sincerely,



Reza Badiozamani, P.E., C.F.M.
Senior Project Manager
L&G Engineering

HIDALGO COUNTY DRAINAGE DISTRICT NUMBER ONE

902 NORTH DOOLITTLE

EDINBURG, TEXAS 78542

(956) 292-7080

FAX (956) 292-7089



GODFREY GARZA, JR.
MANAGER

INVOICE PROCESSING CHECKLIST

Date Received: 9-3-14

Engineer/Firm Name: TECSI

Project Name/Number: 109 Lateral Drain Revisions

Invoice No: #2014 2046

Logged in and Scanned: 12PM 9/3 By: Rosa Arce Forwarded to: Joey Reyno

Engineer	Name	Date	Comment
Scope of work reviewed			

Accounting	Name	Date	Comment
Encumbrance			
Purchase Order Attached			
Audit			
Final Approval for Agenda			

	Name	Date	Comment
Placed on Agenda			

Additional Comments: _____



TEDSI INFRASTRUCTURE GROUP

Consulting Engineers

1201 East Expressway 83 ♦ Mission, Texas 78572

Tel: (956) 424-7898

Fax: (956) 424-7022

August 28, 2014

Project No:

24773-13

Invoice No:

20142046

Ms. Claudette Guerrero
Hidalgo County Drainage District No. 1
902 N. Doolittle Rd.,
Edinburg, TX 78541

RECEIVED
HIDALGO COUNTY
DRAINAGE DISTRICT #1

SEP 03 2014

11:48 AM/PM

BY: RosaArc

Project 24773-13 J-09 Lateral Drain Revisions

Account No. 13-133-433-300-43340

Requisition Number 622583

Work Authorization No. 13

Purchase Order No. 622583

Professional Services from July 01, 2014 to July 31, 2014

Fee

Billing Phase	Fee	Percent Complete	Earned	Previous Fee Billing	Current Fee Billing
Revisions to H & H	44,141.44	100.00	44,141.44	44,141.44	0.00
Revisions to PS&E	32,856.48	75.00	24,642.36	24,642.36	0.00
Irrigation Line	27,836.68	50.00	13,918.34	13,918.34	0.00
Construction Staking	31,447.50	15.00	4,717.13	4,717.13	0.00
Const. Management - Inspection	43,843.60	0.00	0.00	0.00	0.00
Revisions ROW Parcels	68,800.00	100.00	68,800.00	68,800.00	0.00
ROW Acquisition & Negotiations	166,400.00	81.00	134,784.00	128,128.00	6,656.00
Ph 2 Multiple PS&E Packages	42,000.00	0.00	0.00	0.00	0.00
Ph 1 Construction Materials Testing	22,264.00	100.00	22,264.00	4,452.80	17,811.20
Ph 1 Construction Management & Inspection	12,144.00	90.00	10,929.60	10,322.40	607.20
Ph 2 Construction Points & BM	40,000.00	100.00	40,000.00	40,000.00	0.00
Ph 2 Additional Field Surveying	32,000.00	86.00	27,520.00	21,120.00	6,400.00
Ph 2 Construction Material Testing	140,000.00	0.00	0.00	0.00	0.00
Ph 2 Construction Management & Inspectio	60,000.00	0.00	0.00	0.00	0.00
Total Fee	763,733.70		391,716.87	360,242.47	31,474.40
		Total Fee			31,474.40

Project	24773-13	J-09 Lateral Drain Revisions	Invoice	20142046
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Billing Summary	Current	Prior	To-Date
Total Billings	31,474.40	360,242.47	391,716.87
Total Fee			763,733.70
Remaining Fee			372,016.83
		Total this Invoice	\$31,474.40

Outstanding Invoices

Number	Date	Balance		
20141953	6/23/2014	15,037.26		
20142003	7/23/2014	7,346.58		
Total		22,383.84	Total Now Due	\$53,858.24

PLEASE REMIT PAYMENT TO:
TEDSI Infrastructure Group, Inc.
738 Highway 6 South, Suite 430
Houston, Texas 77079

Authorized By: _____


Mark W. Lupher, P.E., RPLS
Executive Vice President

Date: _____

8.28.14

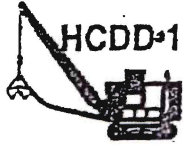
HIDALGO COUNTY DRAINAGE DISTRICT NUMBER ONE

902 NORTH DOOLITTLE

EDINBURG, TEXAS 78542

(956) 292-7080

FAX (956) 292-7089



GODFREY GARZA, JR.
MANAGER

INVOICE PROCESSING CHECKLIST

Date Received: 8/29/14

Engineer/Firm Name: TEOSI

Project Name/Number: Delta watershed legal Water Right Proj JULY

Invoice No: # ~~2014~~ 2014 2035

Logged in and Scanned: 1030 8/29 By: Rosa Arce Forwarded to: Joey Garza

Engineer	Name	Date	Comment
Scope of work reviewed			

Accounting	Name	Date	Comment
Encumbrance			
Purchase Order Attached			
Audit			
Final Approval for Agenda			

	Name	Date	Comment
Placed on Agenda			

Additional Comments: _____

AUG 29 2014

10:00 AM/PM

BY: Rosa Arce



TEDSI INFRASTRUCTURE GROUP

Consulting Engineers
 1201 East Expressway 83 • Mission, Texas 78572
 Tel: (956) 424-7898
 Fax: (956) 424-7022

August 21, 2014

Project No: 2013-1128-12

Invoice No: 20142035

Ms. Claudette Guerrero
 Hidalgo County Drainage District No. 1
 902 North Doolittle Road
 Edinburg, TX 78542

Project 2013-1128-12 Lower Rio Grande Valley Regional Water Management Program – Legal

Precinct No. 1 - 2012 Bond Referendum
Account No. 13-133-433-360-43340-010-000
P.O. No. 623665

Professional Services from July 01, 2014 to July 31, 2014

Phase 100 Legal Services Support

Professional Personnel

	Hours	Rate	Amount
Project Manager (VIII)			
Lupher, Mark	4.00	232.61	930.44
Totals	4.00		930.44
Total Labor			930.44

Billing Summary

	Current	Prior	To-Date
Total Billings	930.44	27,663.06	28,593.50
Total Fee			29,063.14
Remaining Fee			469.64
Total this Phase			\$930.44

Phase 200 Water Rights - BBS, PC

Consultants

Reimbursable Consultants Expense			
7/31/2014 Beatty Bangle Strama, PC - Invoice No. 16667			1,500.00
Total Consultants			1,500.00

Billing Summary

	Current	Prior	To-Date
Consultants	1,500.00	38,775.00	40,275.00
Total Fee			90,000.00
Remaining Fee			49,725.00
Total this Phase			\$1,500.00

Phase 300 Water Rights - BHDA, LLP

Consultants

Reimbursable Consultants Expense			
7/31/2014 Bickerstaff Heath Delgado - Invoice No. 95173			3,180.00
Acosta LLP			
Total Consultants			3,180.00

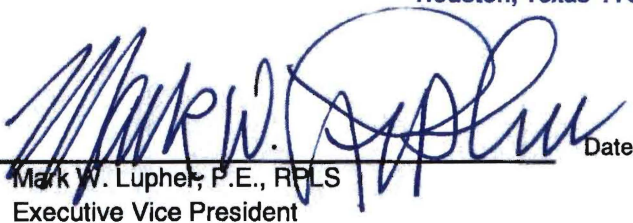
Billing Summary	Current	Prior	To-Date	
Consultants	3,180.00	36,115.29	39,295.29	
Total Fee			65,400.00	
Remaining Fee			26,104.71	
		Total this Phase		\$3,180.00
		Total this Invoice		<u>\$5,610.44</u>

Outstanding Invoices

Number	Date	Balance		
20141994	7/16/2014	4,991.33		
Total		4,991.33		
			Total Now Due	\$10,601.77

PLEASE REMIT PAYMENT TO:
TEDSI Infrastructure Group, Inc.
738 Highway 6 South, Suite 430
Houston, Texas 77079

Authorized By:


Mark W. Luper, P.E., RPLS
Executive Vice President

Date:

8.21.14

Billing Backup

TEDSI Infrastructure Group

Invoice 20142035

Project 2013-1128-12 Lower Rio Grande Valley Regional Water Management Program - Legal

Phase 100 Legal Services Support

Professional Personnel

			Hours	Rate	Amount
Project Manager (VIII)					
204 - Lupher, Mark	7/3/2014		4.00	232.61	930.44
Totals			4.00		930.44
Total Labor					930.44

Total this Phase \$930.44

Phase 200 Water Rights - BBS, PC

Consultants

Reimbursable Consultants Expense

AP 33912	7/31/2014	Beatty Bangle Strama, PC / Invoice No. 16667	1,500.00
Total Consultants			1,500.00 1,500.00

Total this Phase \$1,500.00

Phase 300 Water Rights - BHDA, LLP

Consultants

Reimbursable Consultants Expense

AP 33913	7/31/2014	Bickerstaff Heath Delgado Acosta LLP / Invoice No. 95173	3,180.00
Total Consultants			3,180.00 3,180.00

Total this Phase \$3,180.00

Total this Project \$5,610.44

Total this Report \$5,610.44

Detailed Timesheet for the Period Ending 7/5/2014

Wednesday, July 16, 2014

7:38:33 AM

TEDSI Infrastructure Group

Employee MWL **Lupher, Mark W.**
Signed *[Signature]*
Approved *[Signature]*
Castillo, Diane S.

Posted

Office HOU

Total Hr	Sun 6/29	Mon 6/30	Tue 7/1	Wed 7/2	Thu 7/3	Fri 7/4	Sat 7/5
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2013-1128-12 100	LRGVRWMP - Legal Legal Services Support	Reg	4.0				4.0	
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2013-1128-13 400	LRGVRWMP - P.E.R. Hydrologic Analysis Verification	Reg	11.0		9.0	2.0		
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500	Hydraulic Analysis Verifications	Reg	12.0	9.0	3.0		
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2014-1160-01 100	Post Oak Boulevard Temporary Signals Temporary Traffic Signal Design	Reg	7.0			4.0	3.0	
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84000-3	Holiday Leave	Reg	4.0				4.0	
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84000-4	Paid Time Off	Reg	2.0				2.0	
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BBS BEATTY
BANGLE
STRAMA PC

July 31, 2014

Jesse Salinas
TEDSI Infrastructure Group
1201 East Expressway 83
Mission, TX 78572

Invoice No.16667

In Reference To: *Hidalgo County Delta Watershed Project and Hidalgo County Drainage District No. 1*

Professional Services

		<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
07/23/14	ELIII Conference call with team & phone call with Regional Planning representative.	1.50	300.00/hr	450.00
07/28/14	ELIII Review email correspondence from Sara Eatman regarding pending draft amendments; draft and submit water brief.	3.25	300.00/hr	975.00
07/31/14	ELIII Status phone call with Emily Rodgers.	0.25	300.00/hr	75.00
For professional services rendered			5.00	\$1,500.00

Previous balance \$5,775.00

Accounts receivable transactions

7/11/2014 Payment - Thank You(No. 49084) (\$5,025.00)
8/5/2014 Payment - Thank You(No. 49121) (\$750.00)

Balance due

TEDSI INFRASTRUCTURE GROUP
 2013-1128-12 Project No. Phase No. 200
 Lump Sum Approved Hold
 Hourly Rejected Process
 Sign M.W. Date 8/14/14

\$1,500.00



Bickerstaff Heath Delgado Acosta LLP

3737 S. Mo-Pac Expy. Building One, Suite 300 Austin, Texas 78746 (512) 472-8021 Fax (512) 320-5638 Tax ID No 74-2153894

TEDSI INFRASTRUCTURE GROUP		
Project No. <u>2013-1128-12</u>	Phase No. <u>300</u>	
<input type="checkbox"/> Lump Sum	<input checked="" type="checkbox"/> Approved	<input type="checkbox"/> Hold
<input checked="" type="checkbox"/> Hourly	<input type="checkbox"/> Rejected	<input checked="" type="checkbox"/> Process
Sign. <u>MWL</u>	Date <u>8/21/14</u>	

Hidalgo County Drainage District No. 1
c/o TEDSI Infrastructure Group, Inc.
1201 E. Expressway 83
Mission, TX 78572

August 11, 2014
Client: 003978
Matter: 000001
Invoice #: 95173
Bill Atty: DM

Page: 1

RE: Drainage Improvements

For Professional Services Rendered Through July 31, 2014

SERVICES

Date	Person	Description of Services	Hours	
7/9/2014	EWR	Continue to work on drought plan; email to team regarding firm yield numbers; telephone call with D. Li regarding same.	5.7	
7/17/2014	EWR	Telephone call with K. Alexander; email to team regarding same.	0.3	
7/23/2014	EWR	Prepare for and attend team conference call.	1.6	
7/24/2014	EWR	Email to TCEQ regarding possible meeting.	0.1	
7/25/2014	EWR	Prepare revisions to water conservation and drought contingency plans; prepare order for Board to adopt plans; prepare letter to Region M; email same to District.	2.2	
7/28/2014	EWR	Telephone call with D. Li regarding drought plan; prepare revisions to same; email plan to G. Garza.	0.7	
Total Professional Services			10.6	\$3,180.00

BILLING RECAP

	Level	Hours	Rate	Amount	
EWR	Emily Rogers	Partner	10.6	\$300.00	\$3,180.00

August 11, 2014
Client: 003978
Matter: 000001
Invoice #: 95173

Page: 2

Total Services	\$3,180.00	
Total Current Charges		\$3,180.00

PAY THIS AMOUNT	\$3,180.00
------------------------	-------------------

Please Remit Payment to:
Bickerstaff Heath Delgado Acosta LLP
3711 S. Mo-Pac Expy
Building One, Suite 300
Austin, Texas 78746-8023

PROGRESS REPORT NO. 009

Progress Period July 1, 2014 Through July 31, 2014

DESCRIPTION	ESTIMATED COST	PERCENT COMPLETE	INVOICE TO DATE	PREVIOUS INVOICE	AMOUNT DUE
II. GCM FOR PRELIMINARY PROJECT PLANNING AND DEVELOPMENT					
(5) Water Rights, TEDSI	\$29,063.14	98.36%	\$28,587.14	\$27,656.70	\$930.44
(6) Water Rights Sub Consultant BBS, PC	\$90,000.00	44.75%	\$40,275.00	\$38,775.00	\$1,500.00
(7) Water Rights Sub Consultant BHDA, LLP	\$65,400.00	60.08%	\$39,295.29	\$36,115.29	\$3,180.00
Additional Expenses	\$22,000.00	3.15%	\$693.09	\$693.09	\$0.00
SUB TOTAL II	\$206,463.14	52.72%	\$108,850.52	\$103,240.08	\$5,610.44

TOTAL LABOR EXPENSES	\$206,463.14	52.72%	\$108,850.52	\$103,240.08	\$5,610.44
-----------------------------	--------------	--------	--------------	--------------	-------------------

TOTAL INVOICE AMOUNT DUE: \$5,610.44

August __, 2014

Rio Grande Regional Water Planning Group
c/o Mr. Kenneth N. Jones
Executive Director
Lower Rio Grande Valley Development Council
301 W. Railroad
Weslaco, Texas 78596

RE: Hidalgo County Drainage District No. 1's Lower Rio Grande Valley Regional Water Management Program (also known as the Delta Watershed Project) - Water Conservation and Drought Contingency Plans

Dear Gentlemen:

As required by Chapter 288 of Title 30 of the Texas Administrative Code, Hidalgo County Drainage District No. 1 hereby submits copies of its adopted Water Conservation Plan and Drought Contingency Plan.

If you have any questions or comments, please contact Mr. Godfrey Garza, CFM, District Manager, at (956) 292-7080. Thank you for your time and consideration.

Sincerely,

Ramon Garcia, Chairman of the Board
Hidalgo County Drainage District No. 1



Texas Commission on Environmental Quality

PO Box 13087, MC-160, Austin, Texas 78711-3087
Telephone (512) 239-4691, FAX (512) 239-4770

INSTRUCTIONS TO PREPARE AN APPLICATION FOR A PERMIT TO APPROPRIATE PUBLIC WATER (SECTIONS 11.121, 11.042, 11.085 or 11.143, TEXAS WATER CODE) TEXAS ADMINISTRATIVE CODE CHAPTERS 30, 50, 281, 287, 288, 295, 297, AND/OR 299

Copies of *Obtaining TCEQ Rules*, publication GI-032, are available from TCEQ Publications at (512) 239-0028 or from various outside sources. In addition, you may access these forms through the internet at www.tceq.state.tx.us.

Use a typewriter or print in ink (do not write in longhand) to complete the form. Return the original application form and six (6) copies to the Commission. Retain a copy and instruction sheets for your records. In addition, provide six (6) copies of application plans and supporting materials (certain small projects may not require plans). One set of the plans, if required, shall be on a reproducible medium.

Mail completed application and related materials to the letterhead address above. (Please note: if including a check, mail directly to P.O. Box 13088, Austin, TX 78711-3088).

Statutorily required fees are one-time fees and must be paid before any action will be taken on an application. The usual fees are shown on the attached fee sheet (see Attachment A). For additional fee provisions, see 30 Texas Administrative Code (TAC) §§ 295.131-139.

INSTRUCTIONS FOR COMPLETING FORM TCEQ-10214:

1. Applicant Information

A. Applicant Name and Contact Information

B. Customer Reference Number

If you do not have a Customer Reference Number, complete Section II of the Core Data Form (TCEQ-10400) and submit it with this application.

C. Fees and Penalties

The application will not be processed until all delinquent fees and/or penalties owed to the TCEQ or the Office of the Attorney General on behalf of the TCEQ are paid.

D. Lienholder Information

Provide this information on the holder of any liens on any land to which the water right would be appurtenant.

2. Dam (structure), Reservoir, and Watercourse Data:

A. Type of Storage Reservoir

Select the appropriate description combination by checking (✓) the type of storage structure. If diversion is to be directly from a watercourse (no dam/reservoir), list the watercourse(s) from which such direct diversion is proposed in 2.B below.

- **On-Channel Reservoir** (30 TAC § 297.23): A permit for an on-channel reservoir grants the right to the permittee to construct and/or maintain a dam on the stream or watercourse. The application must request an appropriate right to fill the reservoir and to use the water in place or divert water for use.
- **Off-Channel Reservoir** (30 TAC § 297.24): A permit for an off-channel reservoir grants the right to the permittee to construct and/or maintain a structure impounding State water so that same will not be directly on the stream or watercourse. As above, the application must request an appropriate right to fill the reservoir and divert directly from a stream or watercourse, either by pump or gravity flow, and to use in place or divert from the reservoir.
- **Existing Structure** (30 TAC § 295.42): Provide the date that the structure was constructed.

- **Proposed Structure** (30 TAC § 295.42): Applicant shall provide a copy of the notice that was mailed to each member of the governing body of each county and municipality in which the reservoir, or any part of the reservoir, will be located as well as copies of the certified mailing cards.
- **Exempt Structure** (Texas Water Code (TWC) § 11.142a or 11.142b): a 200 acre-foot capacity or less reservoir (stock tank/pond) may be created and used only for domestic, livestock, and/or fish and wildlife purposes. TWC § 11.143 allows for the use of water from an exempt reservoir for a purpose other than domestic, livestock, and/or fish and wildlife, (i.e., agricultural, mining, municipal, etc.)

If the reservoir in which water will be stored was constructed as a project of the NRCS, United States Department of Agriculture, consent must be obtained from the Soil & Water Conservation District and/or other Local Sponsor(s) having jurisdiction over the reservoir (30 TAC § 295.12).

If the reservoir is owned by more than one individual, see page 3 of these instructions under Item 4A.

B. Location of Structure

1. **Watercourse:** Indicate watercourse on which dam or structure will be/is located. The staff can complete the "tributary" information if not known.
2. **Location from County Seat and Nearby Town:** This is necessary location/mapping information.
3. **Zip Code:** Provide zip code where structure is located.
4. & 5. Reference a point, station number or end of dam along the centerline of the dam (as may be shown on your application drawings). Provide the Latitude and Longitude coordinates in decimal degrees, to at least six decimal places and indicate the method used to calculate the diversion point location. For example, Latitude 98.016330°N, Longitude 32.067122°W, also bearing N 68° W, 4000 feet (bearing and distance) from the southeast corner of the Richard Roe Original Survey No. 33, Abstract No. 433, in Travis County, Texas. Attach additional sheet(s) to the application in the form of supplement(s) if more than one point of diversion is requested. Said sheets are attached to the application and are available upon request to the Commission. Give name(s) and number(s) of the Original Survey(s), Abstract No.(s) and County(s) in which the dam is to be located.

C. Reservoir:

1. **Acre-feet:** Enter the acre-feet of water impounded.
2. **Surface area:** Enter the surface area, in acres, of the reservoir at normal maximum operating level. The normal maximum operating level is generally at the lowest ungated outlet. The area-elevation-capacity information is required for larger projects.

D. Drainage Area Above the Dam/Reservoir: Provide the drainage area in square miles and/or acres of the reservoir and/or diversion point, if available.

E. Other

1. **U.S. Natural Resources Conservation Service:** If it is a NRCS floodwater-retarding structure, give site number and name of the watershed project.
2. **Authorization to close ports or windows:** If a permit is requested to close the "ports" or "windows" in the service spillway, indicate this by checking (✓) the applicable box.

3. Appropriation/Diversion Request (total amount of water needed):

- A. **Use:** Give the purpose of use, place of use, and number of acre-feet per year requested for each purpose use listed.

B. Lands to be irrigated:

1. **Acres:** Fill in the blanks indicating the number of acres to be irrigated, the total acres in the tract(s) and the county(s) where the land is located. Attach a copy of the deed to the land, including the county recording information.
2. **Location:** Reference the Survey Name and Abstract and/or Original Survey number.

C. Diversion Point Information: Provide a completed *Supplemental Diversion Point Information Sheet* for any additional diversion points

1. **Watercourse:** Indicate the watercourse where the diversion will take place. The staff can complete the "tributary" information if not known.
2. **Latitude and Longitude:** Reference the point of diversion by stating its Latitude, Longitude in decimal degrees, to at least six decimal places (indicate method used to calculate the diversion point location), and bearing to a corner of an Original Land Survey. For example-Latitude 98.016330°N, Longitude 32.065122°W also bearing N 68° W, 4000 feet (bearing and distance) from the southeast corner of the Richard Roe Original Survey No. 33, Abstract No. 433, in Travis County, Texas. Attach additional sheet(s) to the application in the form of supplement(s) if more than one point of diversion is requested. Said sheets are attached to the application and are available upon request to the Commission.
3. **Location from County Seat and Nearby Town:** This is essential map reference information.
4. **Zip Code:** Provide the zip code for where the diversion point is located.
5. **Diversion from stream:** Check (✓) the appropriate boxes. Attach additional sheets as necessary to explain fully the plan of diversion.
6. **Rate of Diversion:** If diversion is from a diversion facility, complete the blanks under "Diversion Facility". If diversion is by gravity, complete the blanks under "If by gravity". Give the maximum total rate of diversion in gallons per minute (gpm) for each diversion point.
7. **Drainage Area Above Diversion Point:** Provide the drainage area in square miles and/or acres of the diversion point, if available.

D. Return Water of Return Flow: Return Water or Surplus Water, Section 295.8: If water is to be returned to a stream, list the stream to which the water will be returned. Reference the point of return by Latitude, Longitude in decimal degrees, to at least six decimal places, (indicate the method used to calculate the diversion point location), zip code, and bearing and distance to an Original Survey corner. The staff can complete the tributary information if not known. Provide the estimated annual amount of water that will be returned in acre-feet.

E. Surplus Water: Surplus water is that portion of the requested diversion from a stream or reservoir which will not be consumed during the requested use. This section does not apply to sprinkler irrigation systems. Of the quantity of water requested for diversion, estimate the annual amount of water which may be returned to a watercourse.

4. Discharge Point Information.

- A. Source of Water.** Indicate whether the water being discharged is treated effluent, groundwater, or other.
- B. Latitude and Longitude:** Reference the point of discharge by stating its Latitude, Longitude in decimal degrees, to at least six decimal places (indicate the method used to calculate the diversion point location), and bearing to a corner of an Original Land Survey. For example-Latitude 98.016330°N, Longitude 32.065122°W also bearing N 68° W, 4000 feet (bearing and distance) from the southeast corner of the Richard Roe Original Survey No. 33, Abstract No. 433, in Travis County, Texas. Attach additional sheet(s) to the application in the form of supplement(s)

if more than one point of discharge is requested. Said sheets are attached to the application and are available upon request to the Commission.

- C. **Location from County Seat and Nearby Town:** This is necessary location/mapping information.
- D. **Zip Code.** Provide the zip code for where the discharge point is located.
- E. **Watercourse.** Indicate the watercourse where the discharge will take place.
- F. **Discharge Rate.** Indicate the maximum rate of discharge (cfs and gpm).
- G. **Amount of Water Discharged.** Indicate the amount of water to be discharged (acre-feet per year).
- H. **Purpose of Use.** Indicate the purpose of use for the water being discharged.
- I. **Additional Information.** Provide additional information if the water to be discharged is groundwater or treated effluent.

5. General Information:

- A. If the reservoir site, diversion, and distribution facilities are located, or are to be located, entirely on land owned by applicant, insert word "applicant". If part of the facilities are to be located on lands not owned by the applicant, 30 TAC § 295.10 applies. Insert the names of such landowners on the application form. Also refer to 30 TAC §§ 295.121-.126 concerning requirements for plans/maps.

30 TAC § 295.11 provides that except as otherwise provided herein, if an existing reservoir inundates land owned by more than one person, an application for a permit to authorize the dam and reservoir and use of the State water impounded in the reservoir shall be joined in by all the landowners. A copy of any operating agreement affecting the reservoir or the distribution of water therefrom shall be submitted with the application. If there is incomplete joiner, the applicant shall submit the name and address of any landowner who does not join the application, and shall file a copy of an easement or a consent, license, lease or other type of agreement from the landowner(s), as provided in 30 TAC § 295.10.

- B. Application should give reasonable anticipated starting and completion dates of construction consistent with the following provisions: The applicant must begin actual construction of proposed direct diversion facilities within two years after a permit is issued and prosecute the work diligently and continuously to completion. For the construction of a storage reservoir, the maximum time to commence construction may not exceed 2 years from the date of issuance of the permit. However, Time Extensions may be requested in accordance with 30 TAC § 295.72.
- C. Applicant shall provide a conservation plan which meets the minimum requirements for such plans under 30 TAC § 288 and containing information which demonstrates that reasonable diligence will be used to avoid waste and achieve water conservation. Also, see 30 TAC § 295.9.
- D. If applicable, state the quantity of water for each purpose of use which the applicant seeks to transfer. State the basin of origin of the water and the receiving basin. See 30 TAC §§ 295.13, 295.155, and 297.18.
- E. If applicable, state the quantity of water and watercourse to be used. See 30 TAC §§ 295.111-295.113.
- F. Coastal Zone - relative to Coastal Zone Management Program.

- 5. **Maps, plats, plans, and drawings:** Submit appropriate maps, plats, plans and/or drawings in accordance with the appropriate Commission rules. See ATTACHMENT B for information on how to obtain USGS 7.5 minute topographic maps.

- 6. If the dam(s) and reservoir(s) were constructed for domestic, livestock, and/or fish and wildlife purposes and you now wish to seek a permit under TWC § 11.143, please check (✓) this box.

- 7. Provide information describing how this application addresses a water supply need in a manner that is consistent with the state water plan or the applicable approved regional water plan for any

area in which the proposed appropriation is located or, in the alternative, describe conditions that warrant a waiver of this requirement.

- ❖ SIGN AND HAVE THE APPLICATION NOTARIZED. This will be your sworn statement of the facts contained in the application. Everyone listed as an applicant must sign the application and have his or her signature notarized. A duly appointed agent may sign for the applicant before a notary public and provide a copy of the appointment granting agent status.
- ❖ Additional information may be needed to process the application. See supplemental sheets for a general outline of information typically needed to process an application. **Consultation with the staff is recommended, pre-application meetings can be arranged.**

ATTACHMENT A

WATER USE PERMIT APPLICATION FEES

The usual fees for water use applications are:

Filing Fees for a water use permit or an application for extension of time to begin or complete construction shall be based upon the total amount of water requested to be appropriated for impoundment and diversion as follows:

- (a) less than 100 acre-feet - \$100;
- (b) 100 - 5,000 acre-feet - \$250;
- (c) 5,001 - 10,000 acre-feet - \$500;
- (d) 10,001 - 250,000 acre-feet - \$1,000; and
- (e) greater than 250,000 acre-feet - \$2,000.

Fees to amend a water right are \$100 per numbered water right requested to be amended, including combination amendments.

Recording Fee \$1.25 per page of application.

Agricultural Use 50¢ per acre for each acre of land to be irrigated per year.

Storage Fee *50¢ per acre-foot of storage *(storage is based on the total holding capacity of the reservoir at normal maximum operating level).

In-Place Recreation Use \$1.00 per acre-foot of reservoir storage.

Other Uses \$1.00 per acre-foot based on maximum annual diversion (does not apply to agricultural use).

Mail Notice Fee The cost of mailing notice to persons in the affected river basin varies. The applicant shall pay the total cost of mailing notice and the Executive Director will advise the applicant of the number of persons to whom notice is mailed and the total mailing cost.

NOTE: The cost of any required publication of notice shall be paid by the applicant directly to the newspaper involved.

Mail Notice Fee In (_____) River Basin -- \$_____

Max. Use Fee \$50,000 for first use and \$10,000 for any additional use

Max. Use Fee for Temporary Applications \$500.00

Max. Use Fee for Extension of Time to Begin or Complete Construction \$1,000.00

ATTACHMENT B

Additional Water Use Permit Application Requirements

Texas Administrative Code 30 (TAC), §§ 295.121-295.126 provides the requirements for Maps, Plats, and Drawings Accompanying Application for a Water Use Permit. In accordance with the requirement of § 295.124(d), the Executive Director is now requiring water use permit applicants to provide the appropriate USGS 7.5 Minute Topographic Map(s) of the applicant's project area, including as necessary, the location of dams, diversion points, discharge points, irrigated lands, easements, and/or other pertinent features, as appropriate.

Six copies of the application are required; therefore one original topographic map and six (6) copies are required. However, when an applicant's area falls on two or more topographic maps, a composite map of the area, along with six (6) copies of the composite will be adequate, provided the composite includes the quadrangle name and number.

For your information, topographic maps can be obtained from numerous commercial dealers or directly from the U.S. GEOLOGICAL SURVEY, at 1-800-275-8747 (ASK-USGS) or write to USGS Information Services, Box 25286, Denver, Colorado 80225. USGS may allow maps to be ordered directly over the Internet at <http://mapping.usgs.gov/products/map/usgsmaps.html>.

You may also contact the Water Rights Permitting Team at (512) 239-4691 should you need additional assistance or information.

**TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
APPLICATION FOR PERMIT TO APPROPRIATE STATE WATER
(SECTION 11.121, 11.042, 11.085 OR 11.143, TEXAS WATER CODE)
TAC CHAPTERS 30, 50, 281, 287, 288, 295, 297 AND 299
Water Supply Division, Water Rights Permitting MC-160**

P.O. Box 13087

Austin, Texas 78711-3087

Telephone (512) 239-4691, FAX (512) 239-4770

(if including a check, mail directly to P.O. Box 13088, Austin, TX 78711-3088)

Notice: This form will not be processed until all delinquent fees and/or penalties owed to the TCEQ or the Office of the Attorney General on behalf of the TCEQ are paid in accordance with the Delinquent Fee and Penalty Protocol.

1. Applicant Information.

A. Applicant Name(s): _____

Mailing Address: _____

Telephone Number: _____ Fax Number: _____

Email Address: _____

B. Customer Reference Number (if issued): CN _____

Note: If you do not have a Customer Reference Number, complete Section II of the Core Data Form (TCEQ-10400) and submit it with this application.

C. Fees and Penalties

Applicant owes fees or penalties?

Yes No

If yes, provide the amount and the nature of the fee or penalty as well as any identifying number:

D. Lienholder Information

Provide this information on the holder of any liens on any land to which the water right would be appurtenant):

2. Dam (structure), Reservoir and Watercourse Data.

A. Type of Storage Reservoir (indicate by checking (√) all applicable)

on-channel off-channel existing structure proposed structure* exempt structure**

* Applicant shall provide a copy of the notice that was mailed to each member of the governing body of each county and municipality in which the reservoir, or any part of the reservoir, will be located as well as copies of the certified mailing cards.

** TWC Section 11.143 for uses of water for other than domestic, livestock, or fish and wildlife from an existing, exempt reservoir with a capacity of 200 acre-feet or less. Please complete Paragraph 6 below if proceeding under TWC 11.143.

Date of Construction: _____

B. Location of Structure No. _____

- 1) Watercourse: _____
- 2) Location from County Seat: _____ miles in a _____ direction from _____, _____ County, Texas.
 Location from nearby town (if other than County Seat): _____ miles in a _____ direction from _____, a nearby town shown on county highway map.
- 3) Zip Code: _____
- 4) The dam will be/is located in the _____ Original Survey No. _____, Abstract No. _____ in _____ County, Texas.
- 5) Station _____ on the centerline of the dam is _____ ° _____ (bearing), _____ feet (distance) from the _____ corner of _____ Original Survey No. _____, Abstract No. _____, in _____ County, Texas, also being at Latitude _____ °N, Longitude _____ °W.
Provide the Latitude and Longitude coordinates in decimal degrees, to at least six decimal places, and indicate the method used to calculate the diversion point location.

C. Reservoir:

- 1) Acre-feet of water impounded by structure at normal maximum operating level: _____
- 2) Surface area in acres of reservoir at normal maximum operating level: _____

D. Drainage Area

The drainage area above the dam is _____ acres or _____ square miles.

E. Other

- 1) If this is a U.S. Natural Resources Conservation Service (NRCS) (formerly Soil Conservation Service (SCS)) floodwater-retarding structure, provide the Site No. _____ and watershed project name _____.

2) Do you request authorization to close the "ports" or "windows" in the service spillway?

Yes No

3. Appropriation/Diversion Request (total amount of water needed, including maximum projected uses and accounting for evaporative losses for off-channel storage, if applicable).

A. Appropriated water will be used as follows:

	Purpose*	Place of Use	Acre-feet per year
1)			
2)			
3)			

*If agricultural use, list crops(s) to be irrigated:

B. Lands to be irrigated (if applicable):

- 1) Applicant proposes to irrigate a total of _____ acres in any one year. This acreage is all of or part of a larger tract(s) which is described in a supplement attached to this application and contains a total of _____ acres in _____ County, Texas. A copy of the deed(s) describing the overall tract(s) with the recording information from the county records is attached.
- 2) Location of land to be irrigated: In the _____
Original Survey No. _____, Abstract No. _____.

C. Diversion Point No. _____.

- 1) Watercourse: _____.
- 2) Location of point of diversion at Latitude _____°N, Longitude _____°W, Provide Latitude and Longitude coordinates in decimal degrees, to at least six decimal places, and indicate the method used to calculate the diversion point location..

also bearing _____° _____, _____ feet
(distance) from the _____ corner of the _____ Original
Survey No. _____, Abstract No. _____, County, Texas.
- 3) Location from County Seat: _____ miles in a _____ direction from
_____, _____ County, Texas.
Location from nearby town (if other than County Seat): _____ miles in a _____
direction from _____, a nearby town shown on county
highway map.
- 4) Zip Code: _____
- 5) The diversion will be (check (√) all appropriate boxes and if applicable, indicate whether existing or proposed):

	Existing	Proposed
Directly from stream		
From an on-channel reservoir		
From stream to an off-channel reservoir		
From a stream to an on-channel reservoir		
From an off-channel reservoir		
Other method (explain fully, use additional sheets if necessary)		

6) Rate of Diversion (Check (√) applicable provision):

- ___ 1. Diversion Facility:
 - A. _____ Maximum gpm (gallons per minute)
 - B. _____ Number of pumps
 - C. _____ Type of pump
 - D. _____ gpm, Pump capacity of each pump

E. Portable pump _____ Yes or _____ No.

___2. If by gravity:

A. ___ Headgate _____ Diversion Dam _____ Maximum gpm

B. ___ Other method (explain fully - use additional sheets if necessary)

7) The drainage area above the diversion point is _____ acres or _____ square miles.

D. Return Water or Return Flow (location and quantity information, provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places and indicate the method used to calculate the diversion point location):

Water which is diverted but not consumed as a result of the above stated use, will be returned to

_____, tributary of _____

_____, tributary of _____,

_____ Basin, at a point which is at Latitude _____

_____ ° N, Longitude _____ °W, also, bearing

_____ ° _____ (direction), _____ feet (distance) from the

_____ corner of the _____ Original Survey

No. _____, Abstract No. _____, in _____ County, Texas.

Zip Code: _____

Estimated **annual** amount of return flow to said stream will be _____ acre-feet.

E. Surplus Water (provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places and indicate the method used to calculate the diversion point location):

Water which is diverted but not used beneficially will be returned to _____,

tributary of _____, _____ Basin at a point

which is at Latitude _____ °N, Longitude _____ °W, also

bearing _____ ° _____ (direction), _____ feet

(distance) from the _____ corner of the _____ Original Survey

No. _____, Abstract No. _____, in _____ County, Texas.

Zip Code: _____

4. Discharge Point Information (if applicable, provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places and indicate the method used to calculate the diversion point location).

Discharge Point No. or Name: _____

A. Select the appropriate box for the source of water being discharged:

Treated effluent

Groundwater

Other _____

B. Location of discharge point will be/is at Latitude _____ ° N, Longitude _____ °W,

also bearing _____ ° _____, _____ feet from the _____ corner of the _____

Original Survey No. _____, Abstract No. _____, in _____

_____ County, Texas.

What method was used to determine the Latitude and Longitude for the discharge point? (i.e., GPS Unit, USGS 7.5 Topographic Map, etc.)

C. Location from County Seat: _____ miles in a _____ direction from _____, _____ County, Texas.

Location from nearby town (if other than County Seat): _____ miles in a _____ direction from _____, a nearby town shown on county highway map.

D. Zip Code: _____

E. Water will be discharged into _____ stream/reservoir, (tributaries) _____, _____ Basin.

F. Water will be discharged at a maximum rate of _____ cfs (_____ gpm).

G. The amount of water that will be discharged is _____ acre-feet per year.

H. The purpose of use for the water being discharged will be _____.

I. Additional information required:

For groundwater

- 1) Provide water quality analysis and 24 hour pump test for the well if one has been conducted.
- 2) Locate and label the groundwater well(s) on a USGS 7.5 Minute Topographic Map
- 3) Provide a copy of the groundwater well permit if it is located in a Groundwater Conservation District.
- 4) What aquifer the water is being pumped from?

For treated effluent

- 1) What is the TPDES Permit Number? Provide a copy of the permit.
- 2) Provide the monthly discharge data for the past 5 years.
- 3) What % of treated water was groundwater, surface water?
- 4) If any original water is surface water, provide the base water right number.

5. General Information.

A. The proposed _____ or existing _____ works will be (are) located on the land of _____, whose mailing address is _____

B. If an application for the appropriation is granted, either in whole or in part, construction works will begin within _____ after such permit is issued. The proposed work will be completed within _____ from the date the permit is issued.

C. A Water Conservation Plan is attached? _____ Yes _____ No.

D. _____ Interbasin transfer is not requested.

_____ Applicant requests authorization to transfer _____ acre-feet of water per year from the _____ Basin to the _____ Basin of which

_____ acre-feet of water will be used for _____ purposes and
_____ acre-feet of water will be used for _____ purposes.

E. _____ Bed and Banks request to transfer _____ acre-feet of water per year within the bed
and banks of _____, tributary of _____,
_____ Basin.

F. Is this project located within 200 river miles of the coast? ____ Yes ____ No ____ Unknown

5. Maps, plats, plans, and drawings accompany this application as required by applicable TAC Sections.

_____ Yes ____ No. Attach additional sheets.

6. _____ The dam(s) and reservoir(s) shown on the attached application was (were) constructed for domestic and livestock purposes and I/we elect to seek a permit under Section 11.143 of the Texas Water Code.

7. Provide information describing how this application addresses a water supply need in a manner that is consistent with the state water plan or the applicable approved regional water plan for any area in which the proposed appropriation is located or, in the alternative, describe conditions that warrant a waiver of this requirement.

Applicant Name (Sign)

Applicant Name (Sign)

Applicant Name (Printed)

Applicant Name (Printed)

SWORN TO AND SUBSCRIBED before me this _____ day of _____, 20_____.

Notary Public for the State of Texas

Supplemental Dam/Reservoir Information Sheet

Dam (structure), Reservoir and Watercourse Data

A. Type of Storage Reservoir (indicate by checking (√) all applicable)

on-channel off-channel existing structure proposed structure* exempt structure**

* Applicant shall provide a copy of the notice that was mailed to each member of the governing body of each county and municipality in which the reservoir, or any part of the reservoir, will be located as well as copies of the certified mailing cards.

** TWC Section 11.143 for uses of water for other than domestic, livestock, or fish and wildlife from an existing, exempt reservoir with a capacity of 200 acre-feet or less. Please complete Paragraph 6 below if proceeding under TWC 11.143.

Date of Construction _____

B. Location of Structure No. _____.

1) Watercourse: _____

2) Location from County Seat: _____ miles in a _____ direction from _____, _____ County, Texas.

Location from nearby town (if other than County Seat): _____ miles in a _____ direction from _____, a nearby town shown on county highway map.

3) Zip Code: _____

4) The dam will be/is located in the _____ Original Survey No. _____, Abstract No. _____ in _____ County, Texas.

5) Station _____ on the centerline of the dam is _____° _____ (bearing), _____ feet (distance) from the _____ corner of _____ Original Survey No. _____, Abstract No. _____, in _____ County, Texas, also being at Latitude _____°N, Longitude _____°W.

Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places and indicate the method used to calculate the diversion point location

C. Reservoir:

1) Acre-feet of water impounded by structure at normal maximum operating level: _____

2) Surface area in acres of reservoir at normal maximum operating level: _____

D. The drainage area above the dam is _____ acres or _____ square miles.

E. Other:

1) If this is a U.S. Natural Resources Conservation Service (NRCS) (formerly Soil Conservation Service (SCS)) floodwater-retarding structure, provide the Site No. _____ and watershed project name _____

2) Do you request authorization to close the "ports" or "windows" in the service spillway?

Yes No

Supplemental Dam/Reservoir Information Sheet

Dam (structure), Reservoir and Watercourse Data

B. Type of Storage Reservoir (indicate by checking (√) all applicable)

on-channel off-channel existing structure proposed structure* exempt structure**

* Applicant shall provide a copy of the notice that was mailed to each member of the governing body of each county and municipality in which the reservoir, or any part of the reservoir, will be located as well as copies of the certified mailing cards.

** TWC Section 11.143 for uses of water for other than domestic, livestock, or fish and wildlife from an existing, exempt reservoir with a capacity of 200 acre-feet or less. Please complete Paragraph 6 below if proceeding under TWC 11.143.

Date of Construction _____

B. Location of Structure No. _____.

1) Watercourse: _____

2) Location from County Seat: _____ miles in a _____ direction from _____, _____ County, Texas.

Location from nearby town (if other than County Seat): _____ miles in a _____ direction from _____, a nearby town shown on county highway map.

3) Zip Code: _____

4) The dam will be/is located in the _____ Original Survey No. _____, Abstract No. _____ in _____ County, Texas.

5) Station _____ on the centerline of the dam is _____° _____ (bearing), _____ feet (distance) from the _____ corner of _____ Original Survey No. _____, Abstract No. _____, in _____ County, Texas, also being at Latitude _____°N, Longitude _____°W.

Provide Latitude and Longitude coordinates in decimal degrees, to at least six decimal places, and indicate the method used to calculate the diversion point location.

C. Reservoir:

1) Acre-feet of water impounded by structure at normal maximum operating level: _____

2) Surface area in acres of reservoir at normal maximum operating level: _____

D. The drainage area above the dam is _____ acres or _____ square miles.

E. Other:

1) If this is a U.S. Natural Resources Conservation Service (NRCS) (formerly Soil Conservation Service (SCS)) floodwater-retarding structure, provide the Site No. _____ and watershed project name _____

2) Do you request authorization to close the "ports" or "windows" in the service spillway?

Yes No

Supplemental Diversion Point Information Sheet

Diversion Point No. _____. (Provide a completed *Supplemental Diversion Point Information Sheet* for additional diversions)

1) Watercourse: _____

2) Location of point of diversion at Latitude _____°N, Longitude _____°W, also, bearing _____°, _____ feet (distance) from the _____ corner of the _____ Original Survey No. _____, Abstract No. _____, in _____ County, Texas. Provide Latitude and Longitude coordinates in decimal degrees, to at least six decimal places, and indicate the method used to calculate the diversion point location.

3) Location from County Seat: _____ miles in a _____ direction from _____, _____ County, Texas.

Location from nearby town (if other than County Seat): _____ miles in a _____ direction from _____, a nearby town shown on county highway map.

4) Zip Code: _____

5) The diversion will be (check (√) all appropriate boxes and if applicable, indicate whether existing or proposed):

	Existing	Proposed
Directly from stream		
From an on-channel reservoir		
From stream to an off-channel reservoir		
From a stream to an on-channel reservoir		
From an off-channel reservoir		
Other method (explain fully, use additional sheets if necessary)		

6) Rate of Diversion (Check (√) applicable provision):

___ 1. Diversion Facility:

A. _____ Maximum gpm (gallons per minute)

- 1) _____ Number of pumps
- 2) _____ Type of pump
- 3) _____ gpm, Pump capacity of each pump
- 4) Portable pump _____ Yes or _____ No

___ 2. If by gravity:

A. _____ Headgate _____ Diversion Dam _____ Maximum gpm

B. _____ Other method (explain fully - use additional sheets if necessary)

7) The drainage area above the diversion point is _____ acres or _____ square miles.

Supplemental Diversion Point Information Sheet

Diversion Point No. _____.

1) Watercourse: _____

2) Location of point of diversion at Latitude _____°N, Longitude _____°W, also, bearing _____°, _____ feet (distance) from the _____ corner of the _____ Original Survey No. _____, Abstract No. _____, in _____ County, Texas. Provide Latitude and Longitude coordinates in decimal degrees, to at least six decimal places, and indicate the method used to calculate the diversion point location.

3) Location from County Seat: _____ miles in a _____ direction from _____, _____ County, Texas.

Location from nearby town (if other than County Seat): _____ miles in a _____ direction from _____, a nearby town shown on county highway map.

4) Zip Code: _____

5) The diversion will be (check (√) all appropriate boxes and if applicable, indicate whether existing or proposed):

	Existing	Proposed
Directly from stream		
From an on-channel reservoir		
From stream to an off-channel reservoir		
From a stream to an on-channel reservoir		
From an off-channel reservoir		
Other method (explain fully, use additional sheets if necessary)		

6) Rate of Diversion (Check (√) applicable provision):

___ 1. Diversion Facility:

A. _____ Maximum gpm (gallons per minute)

- 1) _____ Number of pumps
- 2) _____ Type of pump
- 3) _____ gpm, Pump capacity of each pump
- 4) Portable pump _____ Yes or _____ No

___ 2. If by gravity:

A. _____ Headgate _____ Diversion Dam _____ Maximum gpm

B. _____ Other method (explain fully - use additional sheets if necessary)

7) The drainage area above the diversion point is _____ acres or _____ square miles.

Supplemental Discharge Point Information Sheet

Discharge Point No. or Name: _____

1) Select the appropriate box for the source of water being discharged:

- Treated effluent
- Groundwater
- Other _____

2) Location of discharge point will be/is at Latitude _____° N, Longitude _____°W, also bearing _____°, _____ feet from the _____ corner of the _____ Original Survey No. _____, Abstract No. _____, in _____ County, Texas.

Provide Latitude and Longitude coordinates in decimal degrees, to at least six decimal places and indicate the method was used to determine the Latitude and Longitude for the discharge point? (i.e., GPS Unit, USGS 7.5 Topographic Map, etc.)

3) Location from County Seat: _____ miles in a _____ direction from _____, _____ County, Texas.

Location from nearby town (if other than County Seat): _____ miles in a _____ direction from _____, a nearby town shown on county highway map.

4) Zip Code: _____

5) Water will be discharged into _____ stream/reservoir, (tributaries) _____ Basin.

6) Water will be discharged at a maximum rate of _____ cfs (_____ gpm).

7) The amount of water that will be discharged is _____ acre-feet per year.

8) The purpose of use for the water being discharged will be _____.

9) Additional information required:

For groundwater

1. Provide water quality analysis and 24 hour pump test for the well if one has been conducted.
2. Locate and label the groundwater well(s) on a USGS 7.5 Minute Topographic Map
3. Provide a copy of the groundwater well permit if it is located in a Groundwater Conservation District.
4. What aquifer the water is being pumped from?

For treated effluent

1. What is the TPDES Permit Number? Provide a copy of the permit.
2. Provide the monthly discharge data for the past 5 years.
3. What % of treated water was groundwater, surface water?
4. If any original water is surface water, provide the base water right number.

Supplemental Environmental Information Sheet

Water right projects have the potential to alter environmental conditions in the state's rivers and streams through flow modification, sediment load alteration, loss of wetlands, and removal of riparian vegetation. The Resource Protection Team assess the effects issuance or amendment of a water right may have on existing instream uses. Instream uses include, but are not limited to, water quality, fish and wildlife habitat, recreation, and freshwater inflows to bays and estuaries.

The following items are suggested guidelines for data to be submitted depending on the nature of the particular application. Please note that *not* all the information identified below is required for the water right application to be considered administratively complete. However, depending on the magnitude and scope of the proposed project, failure to provide requested information for technical review may result in delayed processing times or a recommendation of denial of the application.

ITEMS TO BE PROVIDED FOR ALL APPLICATIONS:

1. USGS 7.5 minute topographic map with all diversion points, discharge points, reservoirs, and/or land to be irrigated clearly indicated.
2. Photographs of the stream at the project area (i.e., diversion point/dam location) including upstream and downstream views. Photographs should be in color and reflect the existing conditions of the stream and the riparian vegetation. Each photograph should include a description of what is depicted as well as be referenced to the USGS topographic map indicating the location and direction of the shot.
3. Brief description of the affected stream or water body at the project location including:
 - a) Average and maximum channel width and depth;
 - b) Flow characteristics of the stream (i.e., is the stream perennial, intermittent with pools, or intermittent?);
 - c) Description of land uses upstream within the watershed, if known.
4. Any known recreation or other public uses of the affected stream or water body.

ADDITIONAL ITEMS TO BE PROVIDED IF AN EXISTING DAM AND RESERVOIR ARE SOUGHT TO BE PERMITTED:

1. Date dam constructed.
2. Will the reservoir be maintained at normal pool elevation with an alternate source of water? If so, identify the source of water. If groundwater will be used, see below.
3. Does the dam have an operational low flow outlet or other means to pass state water?

MINIMAL ADDITIONAL ITEMS TO BE PROVIDED IF A DAM AND RESERVOIR ARE PROPOSED TO BE CONSTRUCTED:

1. In addition to indicating the location of the project location on the USGS topographic map, please identify the area of lake inundation at normal pool level.
2. Provide a brief description of the area to be affected by the proposed dam and reservoir.
3. The local U.S. Army Corps of Engineers (USACE) district should be notified of the proposed project. If the USACE determines that a 404 permit is required, provide the project number and name of the USACE Project Manager.

4. Will the reservoir be maintained at normal pool elevation with an alternate source of water? If so, identify the source of water. If groundwater will be used, see below.
5. Will the dam have a low flow outlet or other means to pass state water?

POSSIBLE ADDITIONAL ITEMS TO BE PROVIDED IF A DAM AND RESERVOIR ARE PROPOSED TO BE CONSTRUCTED:

1. A quantitative or qualitative evaluation of existing aquatic, riparian, wetland, and terrestrial habitats that will be subject to impact by the proposed reservoir project, preferably performed by a qualified third party. Acceptable evaluation procedures to be used may include, but are not limited to, USFWS's Habitat Evaluation Procedures or TPWD's Wildlife Habitat Appraisal Procedure. Any habitat evaluation should include an assessment of the effects of the project on habitats in the river segment downstream.
2. Description of the alternatives that were examined to meet the water needs that the proposed project is intended to fulfill. Were other site locations examined that may result in less environmental impact? How was the size of the proposed reservoir determined? Would a smaller reservoir be adequate to meet the projected water needs? Habitat mitigation shall be considered only after the complete sequencing (avoidance, minimization or modification, and compensation/replacement) process has been performed.
3. Should habitat losses be found to be unavoidable, a mitigation plan should be developed that will compensate for lost or altered ecosystem functions and values imposed by the proposed project. This plan should address both the direct and indirect impacts to aquatic, riparian, and terrestrial habitats, as well as short- and long-term effects that may result from the proposed project. Habitat mitigation plans shall be ensured through binding legal contracts or conservation easements and shall include goals and schedules for completion of those goals. Mitigation areas shall be managed in perpetuity by a party approved by the Commission to maintain the habitat functions and values that will be affected by the proposed project.

ADDITIONAL ITEMS TO BE PROVIDED IF GROUNDWATER WILL BE USED:

Information regarding the groundwater wells to be used in this project and groundwater quality data from each well to be used. Well information should include the following:

- a) Depth of well;
- b) Name of aquifer from which water is withdrawn;
- c) Pumping capacity of well.

Water chemistry information should include but not be limited to the following parameters:

- a) Chlorides;
- b) Sulfates;
- c) Total Dissolved Solids (TDS);
- d) pH;
- e) Temperature.

If data for on-site wells are unavailable, historical data collected from similar sized wells drawing water from the same aquifer may be provided. However, please note that on-site data may still be required when it becomes available.

Alternatives Analysis Worksheet for Wetland Impacts

1. Alternatives
 1. How could you satisfy your needs in ways which do not affect wetlands?
 2. How could the project be re-designed to fit the site without affecting wetlands?
 3. How could the project be made smaller and still meet your needs?
 4. What other sites were considered?
 1. What geographic area was searched for alternative sites?
 2. How did you determine whether other non-wetland sites are available for development in the area?
 5. What are the consequences of not building the project?

2. Comparison of alternatives
 1. How do the costs for the alternatives considered above?
 2. Are there logistic (location, access, transportation, etc.) factors that limit the alternatives considered?
 3. Are there technological limitations for the alternatives considered?
 4. Are there other reasons certain alternatives are not feasible?

3. If you have not chosen an alternative which would avoid wetland impacts, explain:
 1. Why your alternative was not selected?
 2. What you plan to do to minimize adverse effects on the wetlands impacted?

4. Please provide a comparison of each criterion (from Part II) for each site evaluation in the alternatives analysis.

**PERMIT APPLICATION COMPLETION CHECKLIST FOR
HYDROLOGY, WATER CONSERVATION, AND DAM SAFETY**

Name(s) of Applicant:

Stream, Basin, and County:

USGS 7.5 minute topographic map with all diversion points, discharge points, reservoirs, and/or land to be irrigated clearly indicated:

Latitude and Longitude of all diversion points and/or reservoirs, including how the coordinates were determined:

Diversion amount:

Diversion rate:

Monthly Diversion Distribution (the amount of the total water that you plan to divert each month):

 J F M A M J J A S O N D

Reservoir capacity and surface area:

Drainage area:

Request to use the bed and banks of a watercourse and/or reservoir:

Other (copy of contract for water, alternate source of water, accounting plan, etc.)

WATER CONSERVATION PLAN

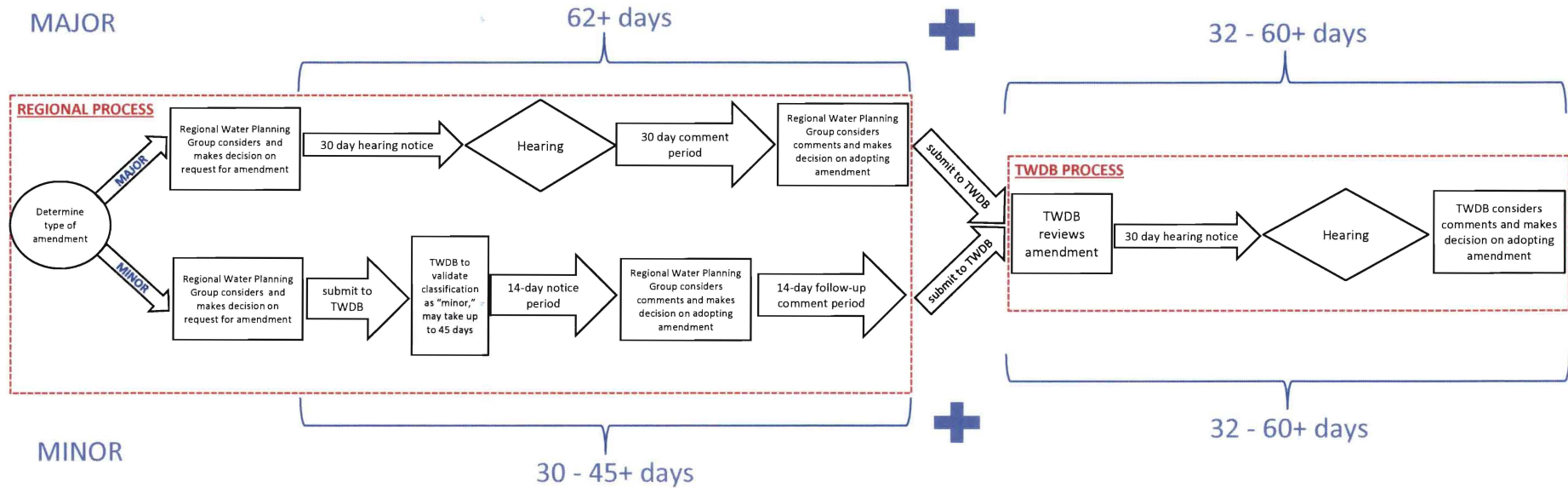
1. Plan and appropriate data form
2. Please specify the quantitative goals as outlined on the data form

DAM SAFETY

If a reservoir is requested in the application, the following information should be submitted:

1. Surface area and capacity of the reservoir
2. Plans (with engineer's seal) for the reservoir if the dam is over 6 feet high
3. Engineer's signed and sealed hazard classification
4. Statement from engineer that the structure complies with the Chapter 299 Rules and supporting documentation

Texas Water Development Board State Water Plan Amendment Process Timeline



Please note: the timeline outlined above is exclusive of any additional days needed to accommodate scheduling for public meetings, posting of public notice, or other variables. Also, the timeline does not reflect the additional days needed by the Regional Water Planning Group to prioritize the amended regional plan.

FOR EXAMPLE:

If amendments to the 2011 Regional Water Plans were required to be adopted by the Texas Water Development Board by March 1, 2015, Regional Water Planning Groups (RWPG) would need to submit their amendments as follows:

Major Amendments including all required materials submitted in full to TWDB no later than December 1, 2014.

Minor Amendments including all required materials submitted in full to TWDB no later than December 1, 2014.

This example timeframe is provided as a guide for RWPGs to use as a resource when considering the submission of amendments and providing supporting documentation to TWDB. Please note the dates set forth are not intended to represent actual deadlines. Rather, the dates are being provided only to illustrate the minimum amount of time necessary to process an amendment in accordance with all statutory and regulatory requirements. The dates do not account for additional time that may be needed by TWDB staff to review amendments based on the number of amendments received or complexity of major amendments.

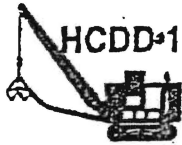
HIDALGO COUNTY DRAINAGE DISTRICT NUMBER ONE

902 NORTH DOOLITTLE

EDINBURG, TEXAS 78542

(956) 292-7080

FAX (956) 292-7089



GODFREY GARZA, JR.
MANAGER

INVOICE PROCESSING CHECKLIST

Date Received: 8/29/14

Engineer/Firm Name: TECSI

Project Name/Number: Delta Watershed July

Invoice No: #20142032

Logged in and Scanned 10 8/29 By: Rosa Arce Forwarded to: Joey Garza

Engineer	Name	Date	Comment
Scope of work reviewed			

Accounting	Name	Date	Comment
Encumbrance			
Purchase Order Attached			
Audit			
Final Approval for Agenda			

	Name	Date	Comment
Placed on Agenda			

Additional Comments: _____



TEDSI INFRASTRUCTURE GROUP

TEDSI

Consulting Engineers
1201 E. Expressway 83 ♦ Mission, Texas 78572
(936) 424-7898

Letter of
Transmittal

TO: Ms. Claudette Guerrero Hidalgo County Drainage District No. 1 902 N. Doolittle Road Edinburg, Texas 78542	DATE: July 21, 2014
---	------------------------

REF.: Delta Area Watershed July Invoice	TEDSI PROJECT NO.: 2013-1128-08
--	------------------------------------

TRANSMITTED:

<input checked="" type="checkbox"/> For Your Use	<input type="checkbox"/> Please comment	<input type="checkbox"/> Approved as Noted
<input type="checkbox"/> As Requested	<input type="checkbox"/> Reply ASAP	<input type="checkbox"/> As Noted Below

VIA:

<input type="checkbox"/> US Mail	<input type="checkbox"/> Courier	<input type="checkbox"/> Hand Carry
<input type="checkbox"/> E-Mail	<input checked="" type="checkbox"/> LoneStar Overnight	<input type="checkbox"/> FedEx

COPIES	DESCRIPTION
1	Invoice No. 20142032 for Project No. 2013-1128-08
1	Progress Report No. 009
1	Project Progress Report
1	CD PDF Files

REMARKS:

Thank you,

RECEIVED
HIDALGO COUNTY
DRAINAGE DISTRICT #1

AUG 29 2014

10:00 AM PM

BY: Rosa Arce

Signed: for: *Clay*
Mark W. Lupher, P.E., RPLS

RECEIVED
 HIDALGO COUNTY
 DRAINAGE DISTRICT #1

AUG 29 2014

10:00 AM / PM

BY: *Rosa Arce*



TEDSI INFRASTRUCTURE GROUP

Consulting Engineers

1201 East Expressway 83 • Mission, Texas 78572
 Tel: (956) 424-7898
 Fax: (956) 424-7022

August 21, 2014

Project No:

2013-1128-08

Invoice No:

20142032

Ms. Claudette Guerrero
 Hidalgo County Drainage District No. 1
 902 North Doolittle Road
 Edinburg, TX 78542

Project 2013-1128-08 Lower Rio Grande Valley Regional Water Management Program - General Management Consultant

**Precinct No. 1 2012 Bond Referendum
 General Engineering Management Services
 Account No. 13-133-433-360-010-000-43340
 P. O. No. 623578
 Work Authorization No. 8**

Professional Services from July 01, 2014 to July 31, 2014

Fee

Billing Phase	Fee	Percent Complete	Earned	Previous Fee Billing	Current Fee Billing
Preliminary Planning & Development	856,165.48	52.39	448,545.09	448,545.09	0.00
Preliminary Engineering	261,709.66	12.06	31,562.18	25,202.64	6,359.54
Expenses	524,590.34	37.7059	197,801.51	197,801.51	0.00
Total Fee	1,642,465.48		677,908.78	671,549.24	6,359.54
Total Fee					6,359.54

Billing Summary

	Current	Prior	To-Date
Total Billings	6,359.54	671,549.02	677,908.56
Total Fee			1,642,465.48
Remaining Fee			964,556.92
			Total this Invoice
			\$6,359.54

Outstanding Invoices

Number	Date	Balance
20141991	7/16/2014	10,269.49
Total		10,269.49

Total Now Due \$16,629.03

PLEASE REMIT PAYMENT TO:
 TEDSI Infrastructure Group, Inc.
 738 Highway 6 South, Suite 430
 Houston, Texas 77079

Authorized By:

Mark W. Lupner
 Mark W. Lupner, P.E., RPLS
 Executive Vice President

Date:

8-21-14

PROGRESS REPORT NO. 009

Progress Period July 1, 2014 Through July 31, 2014

DESCRIPTION	ESTIMATED COST	PERCENT COMPLETE	INVOICE TO DATE	PREVIOUS INVOICE	AMOUNT DUE
I. GCM FOR ENGINEERING MANAGEMENT					
(A) PRELIMINARY PROJECT PLANNING AND DEVELOPMENT					
(1) Administrative Policy & Procedures	\$105,432.80	89.72%	\$94,589.05	\$94,589.05	\$0.00
(2) Project Development Schedule	\$53,143.60	84.68%	\$45,000.00	\$45,000.00	\$0.00
(3) Construction Estimate	\$50,894.20	5.89%	\$3,000.00	\$3,000.00	\$0.00
(4) QC/QA Program Development	\$51,885.22	90.00%	\$46,695.19	\$46,695.19	\$0.00
(5) Subcontract Administration	\$49,684.28	90.00%	\$44,715.85	\$44,715.85	\$0.00
(6) Funding Source	\$119,911.08	40.00%	\$47,969.00	\$47,969.00	\$0.00
(7) Capital Improvement Program	\$129,253.80	0.00%	\$0.00	\$0.00	\$0.00
(8) Management/ Coordination of Engineering Activities	\$133,975.80	48.65%	\$65,180.00	\$65,180.00	\$0.00
(9) Implementation of QC/QA Program	\$46,927.50	25.54%	\$11,985.17	\$11,985.17	\$0.00
(10) Computer Database Development Platform	\$115,057.20	84.44%	\$97,157.44	\$97,157.44	\$0.00
SUB TOTAL I.A					
	\$856,165.48	53.29%	\$456,291.70	\$38,527.45	\$0.00
(B) PRELIMINARY ENGINEERING					
(1) Preliminary Concept Conference	\$57,250.80	40.64%	\$23,265.98	\$16,906.44	\$6,359.54
(2) Management/Coordination of Engineering	\$42,799.96	18.10%	\$7,746.61	\$7,746.61	\$0.00
(3) Implementation of QA/QC Program	\$36,624.10	1.50%	\$549.59	\$549.59	\$0.00
(4) Preparation of " <i>Preliminary Engineering</i> "	\$84,677.60	0.00%	\$0.00	\$0.00	\$0.00
(5) Coordination with all Reviewing Agencies	\$40,357.20	0.00%	\$0.00	\$0.00	\$0.00
SUB TOTAL I.B					
	\$261,709.66	12.06%	\$31,562.18	\$0.00	\$6,359.54
TOTAL LABOR COSTS					
	\$1,117,875.14	\$0.65	\$487,853.88	\$38,527.45	\$6,359.54

PROGRESS REPORT NO. 009

Progress Period July 1, 2014 Through July 31, 2014

DESCRIPTION	ESTIMATED COST	PERCENT COMPLETE	INVOICE TO DATE	PREVIOUS INVOICE	AMOUNT DUE
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DIRECT EXPENSES

TRAVEL

Lodging/Hotel (Austin)	\$648.00	0.00%	\$0.00	\$0.00	\$0.00
Lodging/Hotel Taxes/fees (Austin @ 9%)	\$58.32	0.00%	\$0.00	\$0.00	\$0.00
Per Diem (Austin)	\$426.00	0.00%	\$0.00	\$0.00	\$0.00
Lodging/Hotel (Washington DC)	\$1,356.00	0.00%	\$0.00	\$0.00	\$0.00
Lodging/Hotel Taxes/fees (Washington DC @	\$196.62	0.00%	\$0.00	\$0.00	\$0.00
Per Diem (Washington DC)	\$426.00	0.00%	\$0.00	\$0.00	\$0.00
Mileage	\$5,650.00	0.00%	\$0.00	\$0.00	\$0.00
Rental Car (Taxes/Fees not included; Insurance	\$450.00	0.00%	\$0.00	\$0.00	\$0.00
Rental Car Fuel	\$299.40	0.00%	\$0.00	\$0.00	\$0.00
Air Travel -In State- Short Notice (Coach)	\$6,000.00	0.00%	\$0.00	\$0.00	\$0.00
Air Travel - Out of State - Short Notice (Coach)	\$9,000.00	0.00%	\$0.00	\$0.00	\$0.00
Luggage (with air travel)	\$1,200.00	0.00%	\$0.00	\$0.00	\$0.00
Parking	\$420.00	0.00%	\$0.00	\$0.00	\$0.00
Taxi/Cab fare	\$480.00	0.00%	\$0.00	\$0.00	\$0.00
Internet	\$270.00	0.00%	\$0.00	\$0.00	\$0.00
Telephone	\$2,700.00	0.00%	\$0.00	\$0.00	\$0.00
Conference Calls	\$12,000.00	0.00%	\$0.00	\$0.00	\$0.00
Postage & Shipping	\$9,600.00	0.00%	\$0.00	\$0.00	\$0.00
Overnight Mail - letter size	\$1,800.00	0.00%	\$0.00	\$0.00	\$0.00
Overnight Mail - oversized box	\$3,000.00	0.00%	\$0.00	\$0.00	\$0.00
Courier Services	\$1,200.00	0.00%	\$0.00	\$0.00	\$0.00

COMPUTER SYSTEM

GIS Server, Web Hosting, Work Stations, Software, Licensing, Plotter, Printers, etc.	\$382,990.00	51.65%	\$197,801.29	\$197,801.29	\$0.00
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PROGRESS REPORT NO. 009


Progress Period July 1, 2014 Through July 31, 2014

DESCRIPTION	ESTIMATED COST	PERCENT COMPLETE	INVOICE TO DATE	PREVIOUS INVOICE	AMOUNT DUE
PRINTING					
Photocopies B/W (8 1/2" X 11")	\$1,050.00	0.00%	\$0.00	\$0.00	\$0.00
Photocopies B/W (11" X 17")	\$1,650.00	0.00%	\$0.00	\$0.00	\$0.00
Photocopies Color (8 1/2" X 11")	\$1,800.00	0.00%	\$0.00	\$0.00	\$0.00
Photocopies Color (11" X 17")	\$6,750.00	0.00%	\$0.00	\$0.00	\$0.00
Digital Ortho Plotting (on bond)	\$10,000.00	0.00%	\$0.00	\$0.00	\$0.00
Bond Paper Plot (Blue/line/Blackline)	\$4,500.00	0.00%	\$0.00	\$0.00	\$0.00
Plots (B/W on Bond)	\$12,000.00	0.00%	\$0.00	\$0.00	\$0.00
Plots (Color on Bond)	\$8,000.00	0.00%	\$0.00	\$0.00	\$0.00
Plots (Color on Photographic Paper)	\$5,000.00	0.00%	\$0.00	\$0.00	\$0.00
Mounting Color Graphics on Foam Board	\$10,000.00	0.00%	\$0.00	\$0.00	\$0.00
Presentation Boards 30" X 40" Color Mounted	\$4,200.00	0.00%	\$0.00	\$0.00	\$0.00
Report Binding	\$1,200.00	0.00%	\$0.00	\$0.00	\$0.00
Notebooks	\$720.00	0.00%	\$0.00	\$0.00	\$0.00
Reproduction of CD/DVD	\$15,500.00	0.00%	\$0.00	\$0.00	\$0.00
CDs	\$1,550.00	0.00%	\$0.00	\$0.00	\$0.00
4" X 6" Digital Color Print	\$500.00	0.00%	\$0.00	\$0.00	\$0.00

TOTAL DIRECT EXPENSES	\$524,590.34	37.71%	\$197,801.29	\$197,801.29	\$0.00
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TOTAL (LABOR AND DIRECT EXPENSES)	\$1,642,465.48	53.79%	\$883,456.46	\$434,130.03	\$6,359.54
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TOTAL INVOICE AMOUNT DUE: \$6,359.54

 <p style="text-align: center;">TEDSI INFRASTRUCTURE GROUP <i>Consulting Engineers</i></p> <p>TEDSI TBPE F-1640</p>	<h1>Project Progress Report</h1>
TO: Hidalgo County Drainage District No. 1	DATE: August 22, 2014
FROM: Mr. Mark Lupher, P.E., Project Manager	TEDSI PROJECT NO.: 2013-1128-08
REFERENCE: Hourly Progress Report	
Progress Report for Invoice No. 20142032, July 01 to July 31, 2014	

- Hourly Report by Week for Claudia Garza
 - Week of: 07-19-14
 - Assit with Administration Duties

- Week Report by Week for Claudia Garza
 - Week of: 07-26-14
 - Assist with Administration Duties
 - Set up Conference Call meeting

- Week Report by Week for Mark W. Lupher
 - Week of: 07-19-14
 - Conference call on July 23rd
 - Meeting Minutes
 - Prepare GIS Map for Proposed Boring locations
 - Meeting with AEP Transmission tower lines on July 30th

HIDALGO COUNTY DRAINAGE DISTRICT NUMBER ONE

902 NORTH DOOLITTLE

EDINBURG, TEXAS 78542

(958) 292-7080

FAX (958) 292-7089



GODFREY GARZA, JR.
MANAGER

INVOICE PROCESSING CHECKLIST

Date Received: 8-27-14 PO# 623444

Engineer/Firm Name: TEDI Inf.

Project Name/Number: Delta Watershed PER July

Invoice No: # 20142036

Logged in and Scanned: 317 8/27 By: Rosa Arce Forwarded to: Joey Garza

Engineer	Name	Date	Comment
Scope of work reviewed			

Accounting	Name	Date	Comment
Encumbrance			
Purchase Order Attached			
Audit			
Final Approval for Agenda			

	Name	Date	Comment
Placed on Agenda			

Additional Comments: _____



TEDSI INFRASTRUCTURE GROUP

TEDSI

Consulting Engineers
1201 E. Expressway 83 ♦ Mission, Texas 78572
(956) 424-7898

Letter of Transmittal

TO: Ms. Claudette Guerrero Hidalgo County Drainage District No. 1 902 N. Doolittle Road Edinburg, Texas 78542	DATE: August 26, 2014
---	--------------------------

REF.: Delta Watershed PER July Invoice	TEDSI PROJECT NO.: 2013-1128-13
---	------------------------------------

TRANSMITTED:

<input checked="" type="checkbox"/> For Your Use	<input type="checkbox"/> Please comment	<input type="checkbox"/> Approved as Noted
<input type="checkbox"/> As Requested	<input type="checkbox"/> Reply ASAP	<input type="checkbox"/> As Noted Below

VIA:

<input type="checkbox"/> US Mail	<input type="checkbox"/> Courier	<input type="checkbox"/> Hand Carry
<input type="checkbox"/> E-Mail	<input checked="" type="checkbox"/> LoneStar Overnight	<input type="checkbox"/> FedEx

COPIES	DESCRIPTION
1	Invoice No. 20142036 for Project No. 2013-1128-13
1	Progress Report No. 009
1	Monthly Progress Report No. 9
1	HMS Modeling
1	RAS Modeling
1	CD PDF Files

REMARKS:

Thank you,

RECEIVED
HIDALGO COUNTY
DRAINAGE DISTRICT #1

AUG 27 2014

1:20 AM/PM

BY: *Rosa Arce*

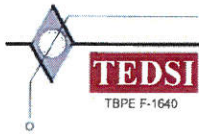
Signed: *for: Clay*
Mark W. Luper, P.E., FPLS

RECEIVED
HIDALGO COUNTY
DRAINAGE DISTRICT #1

AUG 27 2014

1:20 AM/PM

BY: Rosa Arce



TEDSI INFRASTRUCTURE GROUP

Consulting Engineers

1201 East Expressway 83 ♦ Mission, Texas 78572
Tel: (956) 424-7898
Fax: (956) 424-7022

August 25, 2014

Project No: 2013-1128-13

Invoice No: 20142036

Ms. Claudette Guerrero
Hidalgo County Drainage District No. 1
902 North Doolittle Road
Edinburg, TX 78542

Project 2013-1128-13 Lower Rio Grande Valley Regional Water Management Program - Preliminary Engineering Report

Precinct No. 1 - 2012 Bond Referendum
P. O. No. 623666
Account Number 13-133-433-360-4330-010-000

Professional Services from July 01, 2014 to July 31, 2014

Fee

Billing Phase	Fee	Percent Complete	Earned	Previous Fee Billing	Current Fee Billing
Preliminary Engineering Report	71,922.36	100.00	71,922.36	71,922.36	0.00
Data Collection	42,610.70	100.00	42,610.70	42,610.70	0.00
Geographical Information	80,256.16	100.00	80,256.16	80,256.16	0.00
Hydrologic Analysis Verification	68,952.49	53.35	36,786.15	26,098.52	10,687.63
Hydraulic Analysis Verification	68,952.49	47.35	32,649.00	23,471.43	9,177.57
Flood Plain Mapping Verification	100,097.80	0.00	0.00	0.00	0.00
Raw Water Collection	161,061.24	20.38	32,824.28	14,656.57	18,167.71
Alternate Solutions	70,599.48	0.00	0.00	0.00	0.00
Geotechnical Investigations Reports	61,494.09	91.2389	56,106.53	56,106.53	0.00
Final Report	150,648.64	0.00	0.00	0.00	0.00
WAM Willicy County S. A. No. 2	163,471.94	85.00	138,951.15	0.00	138,951.15
WAM Hidalgo County S. A. No. 2	171,876.14	85.00	146,094.72	0.00	146,094.72
Total Fee	1,211,943.53		638,201.05	315,122.27	323,078.78
		Total Fee			323,078.78
				Total this Phase	\$323,078.78

Phase 700 Hydrologic & Hydraulic (CSE)

Consultants

Reimbursable Consultants Expense

7/31/2014 Civil Systems Engineering, Inc. Invoice No. 201436

32,653.60

Total Consultants

32,653.60

32,653.60

Total this Phase **\$32,653.60**

Billing Summary

	Current	Prior	To-Date
Total Billings	355,732.38	782,356.87	1,138,089.25
Total Fee			1,897,900.53
Remaining Fee			759,811.28

Total this Invoice **\$355,732.38**


Outstanding Invoices

Number	Date	Balance
20141946	6/25/2014	86,424.67
20141995	7/16/2014	101,440.61
Total		187,865.28

Total Now Due **\$543,597.66**

PLEASE REMIT PAYMENT TO:
TEDSI Infrastructure Group, Inc.
738 Highway 6 South, Suite 430
Houston, Texas 77079

Authorized By: _____



Mark W. Luper, P.E.
 Executive Vice President

Date: _____

8.25.14

PROGRESS REPORT NO. 009

Progress Period July 1, 2014 Through July 31, 2014

DESCRIPTION	ESTIMATED COST	PERCENT COMPLETE	INVOICE TO DATE	PREVIOUS INVOICE	AMOUNT DUE
III. PRELIMINARY ENGINEERING, DESIGN AND CONSTRUCTION					
(A) PRELIMINARY ENGINEERING					
(1) Preliminary Field Surveying	\$71,922.36	100.00%	\$71,922.36	\$71,922.36	\$0.00
(2) Data Collection	\$42,610.70	100.00%	\$42,610.70	\$42,610.70	\$0.00
(3) Geographical Information System	\$80,256.16	100.00%	\$80,256.16	\$80,256.16	\$0.00
(4) Hydrologic Analysis Verification	\$68,952.49	53.35%	\$36,786.15	\$26,098.52	\$10,687.63
(5) Hydraulic Analysis Verification	\$68,952.49	47.35%	\$32,649.00	\$23,471.43	\$9,177.57
H&H Sub Consultants - CSE	\$685,957.00	72.87%	\$499,888.20	\$467,234.60	\$32,653.60
(6) Flood Plain Mapping Verification	\$100,097.80	0.00%	\$0.00	\$0.00	\$0.00
(7) Raw Water Collection & distribution System	\$161,061.24	20.38%	\$32,824.28	\$14,656.57	\$18,167.71
(9) Alternate Solutions & Recommendations	\$70,599.48	0.00%	\$0.00	\$0.00	\$0.00
Geotechnical Investigations	\$61,494.09	91.24%	\$56,106.53	\$56,106.53	\$0.00
(10) Final Report- "Preliminary Engineering"	\$150,648.64	0.00%	\$0.00	\$0.00	\$0.00
SA #2 WAM Willacy County	\$163,471.94	85.00%	\$138,951.15	\$0.00	\$138,951.15
SA #2 WAM Hidalgo County	\$171,876.14	85.00%	\$146,094.72	\$0.00	\$146,094.72
SUB TOTAL III.A					
	\$1,897,900.53	59.97%	\$1,138,089.25	\$782,356.87	\$355,732.38

TOTAL (LABOR AND DIRECT EXPENSES)	\$1,897,900.53	59.97%	\$1,138,089.25	\$0.00	\$355,732.38
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CSE Direct Expenses					
Travel	\$10,000.00	0.00%	\$0.00	\$0.00	\$0.00

TOTAL LABOR AND DIRECT EXPENSES	\$1,907,900.53	59.65%	\$1,138,089.25	\$0.00	\$355,732.38
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TOTAL INVOICE AMOUNT DUE: \$355,732.38



TEDSI INFRASTRUCTURE GROUP
 Project No. 2013-1128-B Phase No. 255/960
 Lump Sum Approved Hold
 Hourly Rejected Process
 Sign: [Signature] Date: 8/25/14



**Civil Systems
Engineering, Inc.**

2299 Lone Star Drive, Ste 239
 Sugar Land, Texas 77479
 (713) 782-3811

INVOICE

Engineering Services
 LRGVWMP - WA#1A - Water Availability Model (WAM) Modeling Analysis

TEDSI Infrastructure Group
 738 Hwy 6 South, Suite 430
 Houston, Texas 77079
 Attention: Mr. Mark Lupher, P.E.

201433
 CSE Invoice Number:
 TEDSI2013020
 CSE Project Number:
 7/1/2014 - 7/31/2014
 Invoice Period:
 August 11, 2014
 Invoice Date:

Contract Amount	
Contract Amount Remaining	\$17,640.15

TASK	AUTHORIZED LIMIT	PERCENT COMPLETE	INVOICED TO DATE	PREVIOUSLY INVOICED	AMOUNT DUE THIS INVOICE
Hidalgo County	\$76,429.00	85.0	\$64,964.65	0.0	\$64,964.65
Willacy County	\$41,172.00	85.0	\$34,996.20	0.0	\$34,996.20
Subtotal	\$117,601.00		\$99,960.85	\$0.00	\$99,960.85

TOTAL FEE EARNED: \$99,960.85
 LESS PREVIOUSLY INVOICED: \$0.00
TOTAL AMOUNT DUE THIS INVOICE: \$99,960.85

Deren Li, Ph.D., P.E., D.WRE
 Project Manager [Signature]



TEDSI INFRASTRUCTURE GROUP
 Project No. 128-13 Phase No. 200
 Lump Sum Approved Hold
 Hourly Rejected Process
 Date 8/25/14

2299 Lone Star Drive, Ste 239
 Sugar Land, Texas 77479
 (713) 782-3811



INVOICE

Engineering Services
 LRGVWMP - WA#13-P.E.R

TEDSI Infrastructure Group
 738 Hwy 6 South, Suite 430
 Houston, Texas 77079
 Attention: Mr. Mark Lupher, P.E.

CSE Invoice Number: 201436
 CSE Project Number: TEDSI2013020
 Invoice Period: 7/1/2014 Through 7/31/2014
 Invoice Date: August 22, 2014

Contract Amount		Contract Amount Remaining		Contract Amount		Contract Amount	
\$685,957.00		\$186,068.80					
Employee Classification	Rate	Previous		This Period		To Date	
		Hr	Total	Hr	Total	Hr	Total
Project Manager	\$178.36	575.0	\$102,557.00	20.0	\$3,567.20	595.0	\$106,124.20
Project Engineer	\$164.64	1,440.0	\$237,081.60	160.0	\$26,342.40	1,600.0	\$263,424.00
GIS Specialist	\$137.20	930.0	\$127,596.00	20.0	\$2,744.00	950.0	\$130,340.00
Subtotal			\$467,234.60		\$32,653.60		\$499,888.20
TOTAL FEE EARNED:		\$499,888.20		LESS PREVIOUSLY INVOICED:		\$467,234.60	
TOTAL AMOUNT DUE THIS INVOICE:						\$32,653.60	

Deren Li, Ph.D., P.E., D.WRE
 Project Manager



LRGVWMP – WA#13 – P.E.R
Monthly Progress Report No. #9 – JULY 2014

Period of Coverage: July 2014
Date of Submittal: August 22, 2014
Submitted To: Claudette Guerrero
PREPARED BY: Mark Luper, P.E., TEDSI Infrastructure, Inc.

This study covers the following activities:

1. Coordination and meetings
2. Data collection and assimilation
3. Site visits/field reconnaissance
4. LiDAR topographic data processing
5. Watershed & subbasin delineations
6. Estimation of subwatershed & hydrologic parameters
7. Land use data processing
8. HEC-HMS modeling analysis
9. Main Floodwater Channel topographic data manipulation/ preparation
10. GeoRAS processing for HEC-RAS development
11. HEC-RAS model development and modeling analysis
12. Downstream flow requirements (downstream of Pachita Flood Gate).
13. Floodwater diversion and detention alternative analysis
14. Risk based economic analysis of flood damage analysis
15. Floodplain delineation/mapping
16. Water sources and water availability analysis.
17. Hydraulic analysis of preliminary alternative water development strategy
18. Draft H&H Report

PROGRESS TO REPORT FOR THIS PERIOD

Activity 1 – Coordination and Meetings

Coordination with HCDD1, TCEQ, TWDB, Texas A&M and project team members on water availability and water rights issues.

Activity 2 – Data Collection and Assimilation

Obtained wastewater discharge data and water diversion data.

Activity 3 – Site Visits

Activity 4 – LiDAR topographic data processing

Activity 5 – Watershed & subbasin delineations

Revived watershed delineations with LiDAR and NED datasets to determine contribution areas to each potential diversion point.

Activity 6 – Estimation of subwatershed & hydrologic parameters

Activity 7 – Land use data processing

Activity 8 –HEC-HMS Modeling Analysis

Activity 9 – Main Floodwater Channel cross section topographic data manipulation and preparation

Activity 10 – GeoRAS processing for HEC-RAS development

Activity 11 – HEC-RAS model development and modeling analysis

Unsteady HEC-RAS modeling analysis to evaluate detention basin configurations for flood control purpose and backwater effects from Panchita Structure.

Activity 12 – Downstream flow requirements (downstream of Pachita Flood Gate).

Activity 13 – Floodwater diversion and detention alternative analysis

Floodwater diversion/detention alternative evaluation and HEC-RAS modeling analysis

Activity 14 – Risk based economic analysis of flood damage analysis

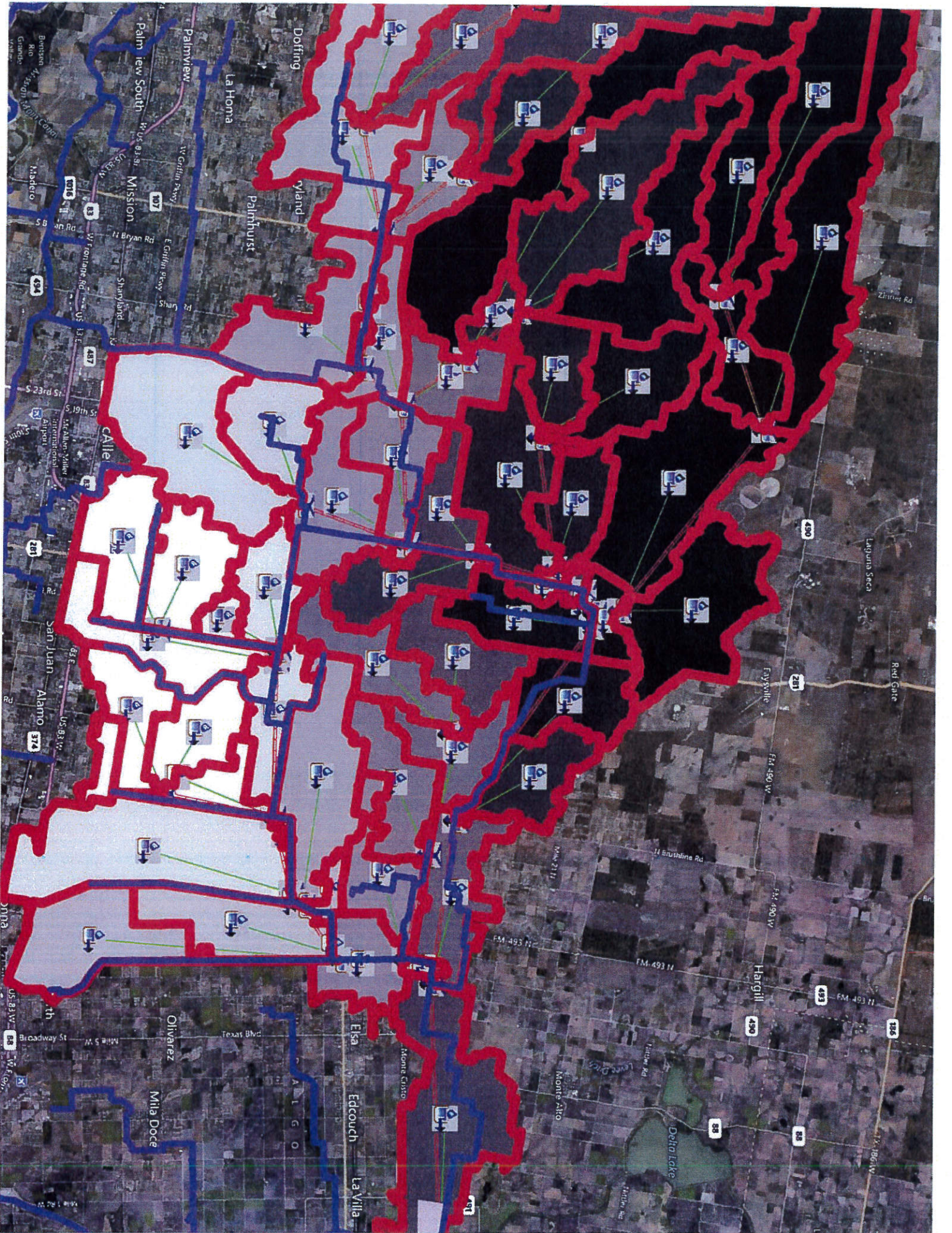
Activity 15 – Floodplain delineation/mapping

Activity 16 – Water sources and water availability analysis.

WAM modeling analysis to determine firm yields.

Activity 17 – Hydraulic analysis of preliminary alternative water development strategy

Activity 18 – Draft H&H report.



AI-46628

4.

DRAINAGE - CONSENT

Meeting Date: 09/23/2014

Submitted By: Claudette Guerrero, DRAINAGE
DISTRICT

Department: DRAINAGE DISTRICT

Information

CAPTION

Request approval for the following Line Item Transfers:

A. Admin

B. M&O

BACKGROUND

Attachments

LIT-9-23-14 Admin

LIT-9-23-14 M&O

Form Review

Inbox	Reviewed By	Date
Budget & Management	Debbie Tamez	09/19/2014 03:35 PM
Final Approval	Monica Badillo	09/19/2014 05:44 PM
Form Started By: Claudette Guerrero		Started On: 09/19/2014 01:59 PM
	Final Approval Date: 09/19/2014	

HIDALGO COUNTY DRAINAGE DISTRICT NO. 1

902 N. Doolittle Road

Edinburg, Texas 78542

(956)292-7080 Fax (956)292-7089



DATE 9/23/2014
 DEPARTMENT HEAD Godfrey Garza, Jr.
 DEPARTMENT NAME Hidalgo County Drainage District
 ACCOUNT NUMBER 110-433-006
Maintenance & Operation

SUBJECT Budget Line Item Transfer (s)

HIDALGO CONTY DRAINAGE DISTRICT #1 BOARD OF DIRECTORS

I submit to you for your consideration the following line-item transfers in accordance with water code, Chapter 49.

FROM		TO		
ACCOUNT NUMBER	ACCOUNT (OBJECT) NAME	ACCOUNT NUMBER	ACCOUNT (OBJECT) NAME	AMOUNT
14-110-433-006-45230	Public Official Insurance	14-110-433-006-45210	Building Insurance	\$10,000.00
14-110-433-006-45240	Other Insurance	14-110-433-006-45220	Auto, Truck & Equipment Insurance	\$18,000.00
14-110-433-006-43340	Engineering And Architectural	14-110-433-006-46130	Safety Supplies	\$2,000.00
14-110-433-006-43340	Engineering And Architectural	14-110-433-006-46650	Minor Computer Equipment	\$200.00
14-110-433-006-43340	Engineering And Architectural	14-110-433-006-47480	Other Equipment	\$6,000.00
			TOTALS	\$36,200.00

REASON: Transfer needed to cover Maintenance And Operations Accounts expenses; fo GL-47480 Other Equipmt, please refer to AIW Quote #16062299-00.

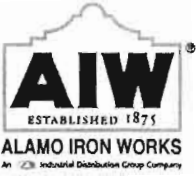
 Department Head

 Board Of Directors

 DATE

 DATE

QUOTE



Industrial Distribution Group,
 AIW Brownsville
 2771 Robindale Road
 Brownsville, TX 78526

QUOTE DATE	QUOTE NO.
09/12/14	16062299-00
P.O. NO.	PAGE #
ABRAN	1
REF/RELEASE	

CUST.#: 103835

SHIP TO: HIDALGO COUNTY DRAINAGE DIST#1
 902 N. DOOLITTLE RD.
 EDINBURG, TX 78541

QUOTED BY: Marsha R Maciel
 mmaciel@aionet.com

BILL TO: HIDALGO COUNTY DRAINAGE DIST#1
 902 NORTH DOOLITTLE
 EDINBURG, TX 78542

INSTRUCTIONS	TERMS	
	Net 30, Cust	
SHIP POINT	SHIP VIA	SHIPPED
AIW - Pharr TX	Del-OurTruck	

LINE NO.	PRODUCT AND DESCRIPTION	QUANTITY ORDERED	QTY. U/M	UNIT PRICE	AMOUNT (NET)
BUYBOARD VENDOR ID 484. CONTRACTS 373-11, 374-11, 415-12.					
2	502457IND-30 IND-30 FAN W/WATER TANK 30IN 1/2HP	2	Ea	2227.64	4455.28
1	Lines Total	Qty Total		Subtotal	4455.28
				Shipping & Handling	0.00
				Invoice Total	4455.28

Last Page Prices are valid for 30 days from the date of quote unless otherwise stated above.
 Quote is valid for this quantity only.
 Additional freight and handling charges may apply.

Mail Address Book Calendar Tasks Briefcase Preferences Search FW: Quote for H

Close Reply Reply to All Forward Delete Spam Actions

Fwd: Mist fans

From: Abran Gonzalez

To: Jaime Salazar

Document-155135-63.pdf (71.2 KB) [Download](#) | [Briefcase](#) | [Remove](#)

fyi..

Abran

From: "Marsha Maciel" <MMaciel@AIWnet.com>
To: "Rick Pena" <RPena@AIWnet.com>, "Abran Gonzalez" <abran.gonzalez@hccd1.org>
Sent: Friday, September 5, 2014 2:52:26 PM
Subject: RE: Mist fans

Every effort has been made to include accurate information in this publication. AIW reserves the right to correct any errors which may occur. Prices and availability subject to change without notice.

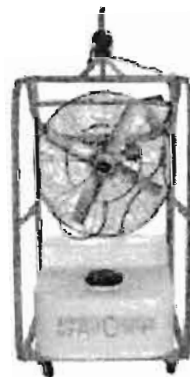
END OF SUMMER CLOSEOUT!

Get this deal while you can!!! Closeout prices good for quantities on hand only!



All AirChiller units come standard with:

- AirChiller "Dry-Mist" Technology™ - That means no water on the floor OR on you
- 32-gal. Tank with 4-10 hrs. run time - Flexible run time based on your needs
- Powder Coated Steel Frames - Rugged and made to last in Texas, USA



IND-24
12,500 CFM



IND-30
15,000 CFM



IND-24D
14,000 CFM



Phone: 800-695-2919
Fax: 800-211-9150
Email: info@buyboard.com

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Vendor Contract Information

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alamo iron

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Alamo Iron Works[X]

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Show all prices

Category

None Selected

Contract

None selected

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Additional Resources

Vendor Name: Alamo Iron Works
Address: 943 AT&T Center Pkwy
 San Antonio, TX 78219
Phone Number: (210) 704-8272
Alternate Phone Number: (210) 704-8270
Email: wdennis@aiwnet.com
Website: <http://www.aiwnet.com>
Federal ID: 27-2222662
Contact: Wayne Dennis
Accepts RFQs: Yes
Minority Owned Vendor: No
Women Owned Vendor: No
Contract Name: Building Maintenance, Repair, Operations Supplies & Equipment
Contract#: 415-12
Effective Date: 06/01/2013
Expiration Date: 05/31/2016
Payment Terms: Net 30 days
Delivery Days: 5
Shipping Terms: Pre-paid and added to invoice
Freight Terms: FOB Destination
Ship Via: Common Carrier
Region Served: Texas Regions 1,2,3,4,6,12,13,14,15,20
States Served: Texas
Contract Exceptions: See deviations
Quote Reference Number: 415-12
Regulatory Notice: [Click to view Bonding Regulatory Notice](#)
Construction Services Advisory: [Click to view the Construction Related Goods and Services Advisory](#)

Contact us 800-695-2919