

DANNENBAUM ENGINEERING CORPORATION
LAREDO OFFICE:
8610 McPHERSON, SUITE 130 LAREDO, TEXAS 78040 (956)712-9817

July 8, 2015

Webb County Engineering Dept.
1620 Santa Ursula, 2nd Floor
Laredo, Texas 78040

Attn: Luis Perez Garcia, P.E.
Webb County Engineer

Ref: Webb County Loop 20 Stimulus Project – IH 35 Set of Plans Only

Sub: Supplement Work Authorization No. 9 to Work Authorization No.1

Dear Mr. Perez-Garcia,

Provided below are the justifications for the man-hours for the disciplines of the work required to modify plans, estimate and specifications to the new TxDOT 2014 Specifications Book, and pavement design changes provided by TxDOT:

- Project Management
 1. Preparation of invoices and progress reports.
 2. Managing sub-consultants work.
 3. Prepare 1 submittal for an interim review and prepare 1 final submittal.
- General
 1. Update all callouts to reference and identify with the 2014 items and codes as well as specifications.
 2. Verification of completion will be done before submittals.
 3. All summaries will be updated to the 2014 items and codes, verify if bid items are being used and modified if items no longer exists.
- TCP
 1. Update all callouts to reference and identify with the 2014 items and codes as well as specifications.
 2. Verification of completion will be done before submittals
- TCP Standards
 1. Review and download all correlating 2014 standards
 2. Verification of completion will be done before submittals
- Roadway
 1. Update all P&P callouts to reference and identify with the 2014 items and codes as well as specifications.
 2. Quantify any bid items & codes that have been modified.
 3. Ensure proper calculations and use of modified bid items.
 4. Verification of completion will be done before submittals
- Roadway Standards
 1. Review and download all correlating 2014 standards
 2. Verification of completion will be done before submittals
- Retaining Walls

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1. Update all P&P callouts to reference and identify with the 2014 items and codes as well as specifications.
 2. Quantify modified bit items.
 3. Verification of completion will be done before submittals
- Retaining Wall Standards
 1. Review and download all correlating 2014 standards
 2. Verification of completion will be done before submittals
 - Drainage Details
 1. Update all callouts to reference and identify with the 2014 items and codes as well as specifications.
 2. Redo drainage calculations and modify drainage designs due to 2014 TxDOT Standard inlet designs.
 3. Quantify any bid items & codes that have been modified.
 4. Verification of completion will be done before submittals
 - Drainage Standards
 1. Review and download all correlating 2014 standards
 2. Verification of completion will be done before submittals
 - Utility Layouts
 1. No work to be done.
 - Bridge Layouts
 1. Update all callouts to reference and identify with the 2014 items and codes as well as specifications.
 2. Quantify any bid items & codes that have been modified.
 3. Verification of completion will be done before submittals
 - Bridge Standards
 1. Review and download all correlating 2014 standards
 2. Verification of completion will be done before submittal
 - Illumination Layouts
 1. Update all P&P callouts to reference and identify with the 2014 items and codes as well as specifications.
 2. Quantify modified bit items.
 3. Verification of completion will be done before submittals
 - Illumination Standards
 1. Review and download all correlating 2014 standards
 2. Verification of completion will be done before submittal
 - Signing, Pavement Markings & Delineation Layouts
 1. Update all callouts to reference and identify with the 2014 items and codes as well as specifications.
 2. Quantify any bid items & codes that have been modified.
 3. Verification of completion will be done before submittals
 - Signing, Pavement Markings & Delineation Standards
 1. Review and download all correlating 2014 standards
 2. Verification of completion will be done before submittal
 - SW3P Layouts
 1. Update all callouts to reference and identify with the 2014 items and codes as well as specifications.
 2. Quantify any bid items & codes that have been modified.

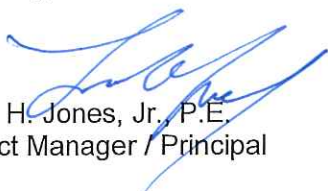
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- 3. Verification of completion will be done before submittals
- SW3P Standards
 - 1. Review and download all correlating 2014 standards
 - 2. Verification of completion will be done before submittal
- Cross Sections
 - 1. No work to be done.

The total for Supplemental No. 9 to WA No. 1 for IH 35 only is \$106,509.69, which includes \$19,298.80 for changes due to TxDOT's pavement design change, and \$87,210.89 for changes due to 2014 specifications book.

Should you have any questions or require further information this letter or any of the enclosures being transmitted herewith please feel free to contact me at (956) 682-3677.

Sincerely,


Louis H. Jones, Jr., P.E.
Project Manager / Principal

Enclosure(s)

Exhibit D – Fee Estimates (2 each)

cc: Dannenbaum File No. 4571-01
Ms. Ana Duncan Laredo District TP&P – TxDOT
Mr. Richard D. Seitz, P.E. Dannenbaum Engineering Company – Laredo, LLC
Mr. Eric Davila, P.E. Dannenbaum Engineering Company – Laredo, LLC
Mr. Nathan Olivarez, P.E. Dannenbaum Engineering Company – Laredo, LLC
Mr. Anthony Garza Dannenbaum Engineering Company – Laredo, LLC

DANNENBAUM ENGINEERING CORPORATION
WEBB COUNTY LOOP 20 STIMULUS PROJECT
SUPPLEMENTAL WORK AUTHORIZATION NO. 9 (SWA #9) TO WORK AUTHORIZATION NO. 1 (WA #1)
CONSISTING OF: (A) MODIFY IH 35 PLAN SET TO 2014 STANDARDS, MANUALS AND SPECIFICATIONS
DANNENBAUM ENGINEERING CORPORATION
FEE SUMMARY

BASIC SERVICES DESCRIPTION	Principal	PM	Senior Engineer-Civil	Senior Engineer-Bridge	Engineer	Senior Designer	CADD Operator/Tech	Clerical	Total Labor Hrs.	Remarks	Cost Per Task
FC 164 - PROJECT MANAGEMENT (FC 160 TO FC 190)											
PROJECT MANAGEMENT			2		2				4		\$ 575.30
COORDINATION/PREPARE SUB CONTRACTS/MANAGE SUBCONSULTANTS			1		2				3		\$ 418.74
PREPARATION OF INVOICES AND PROGRESS REPORTS		1			3			3	7		\$ 801.23
SCHEDULE & ATTEND PRE-DESIGN MEETING (TOTAL 1)			6	6					12		\$ 1,947.48
SCHEDULE, ATTEND AND PREPARE MINUTES FOR 8 PROGRESS MEETINGS			6	6					12		\$ 1,947.48
RESEARCH/REVIEW EXISTING PLANS & DATA			6	6					12		\$ 1,947.48
PREPARE PROJECT SCHEDULE (UPDATE MONTHLY)		1						3	4		\$ 404.96
MONITOR SUB-PROVIDER'S SCHEDULES ON MONTHLY BASIS		1	1		16			3	6		\$ 691.61
PREPARE & ASSEMBLE PRELIMINARY COST ESTIMATE		1						3	6		\$ 2,323.64
GC/QA - 90% SUBMITTAL (1 SUBMITTAL)			3	2					5		\$ 603.72
GC/QA - 100% SUBMITTAL			3	3					6		\$ 973.74
ORGANIZE AND DOWNLOAD ELECTRONIC FILE DELIVERABLES			3	3					6		\$ 973.74
SUB-TOTAL - FC 164 - PROJECT MANAGEMENT (FC 160 TO FC 190)	0	4	31	26	24	0	0	9	94		\$ 13,607.12
GENERAL											
TITLE SHEET					1				4		\$ 382.47
INDEX OF SHEETS					1				4		\$ 382.47
PROJECT LAYOUT					1				4		\$ 382.47
6 - PROPOSED TYPICAL SECTIONS			1		3				24		\$ 2,220.03
SUMMARY OF REMOVAL					1				4		\$ 382.47
SUMMARY OF ROADWAY					1				4		\$ 382.47
SUMMARY OF EARTHWORK					1				4		\$ 382.47
SUMMARY OF RETAINING WALLS					1				4		\$ 382.47
SUMMARY OF DRAINAGE					1				4		\$ 382.47
SUMMARY OF BRIDGE					1				4		\$ 382.47
SUMMARY OF ILLUMINATION				1					5		\$ 552.49
SUMMARY OF SIGNING AND PYMT MKRGS					1				4		\$ 382.47
SUMMARY OF SW3P					1				4		\$ 382.47
SUB-TOTAL SHEETS - GENERAL	0	0	1	1	15	0	55	0	73		\$ 6,978.69
FC 163 - TRAFFIC CONTROL PLAN											
GENERAL NOTES & SEQUENCE OF CONSTRUCTION			1		7		2		10		\$ 1,246.11
6 - PHASE I LAYOUTS			2		12		20		34		\$ 3,563.40
2 - PHASE II STAGE I LAYOUT			1		2		5		8		\$ 836.04
2 - PHASE II STAGE II LAYOUT			1		2		5		8		\$ 836.04
OVERALL TCP DETOUR PLAN			1		2		3		6		\$ 669.12
12 - DETOUR PLAN IH 35			4		8		12		24		\$ 2,676.48
SUB-TOTAL SHEETS - FC 163 - TRAFFIC CONTROL PLAN	0	0	10	0	33	0	47	0	90		\$ 9,827.19
FC 163 - TRAFFIC CONTROL STANDARDS											
BC (1) THRU BC (12)			1		1		6		8		\$ 767.41
TCP (1 - 1)			1		1		1		3		\$ 370.11
TCP (1 - 2)			1		1		1		3		\$ 370.11
TCP (1 - 5)			1		1		1		3		\$ 370.11
TCP (2 - 1)			1		1		1		3		\$ 370.11
TCP (2 - 4)			1		1		1		3		\$ 370.11
TCP (2 - 6)			1		1		1		3		\$ 370.11
TCP (S - 2)			1		1		1		3		\$ 370.11
TCP (S - 4)			1		1		1		3		\$ 370.11
WZ (U)			1		1		1		3		\$ 370.11
WZ (UJ)			1		1		1		3		\$ 370.11
WZ (DERD)			1		1		1		3		\$ 370.11
WZ (BTS - 1) THRU WZ (BTS - 2)			1		1		1		3		\$ 370.11
WZ (BRK)			1		1		2		4		\$ 453.57
SUB-TOTAL SHEETS - FC 163 - TRAFFIC CONTROL STANDARDS	0	0	14	0	14	0	20	0	48		\$ 5,692.30

**DANNENBAUM ENGINEERING CORPORATION
WEBB COUNTY LOOP 20 STIMULUS PROJECT
SUPPLEMENTAL WORK AUTHORIZATION NO. 9 (SWA #9) TO WORK AUTHORIZATION NO. 1 (WA #1)
CONSISTING OF: (A) MODIFY IH 35 PLAN SET TO 2014 STANDARDS, MANUALS AND SPECIFICATIONS
DANNENBAUM ENGINEERING CORPORATION
FEE SUMMARY**

BASIC SERVICES DESCRIPTION	Principal	PM	Senior Engineer-Civil	Senior Engineer-Bridge	Engineer	Senior Designer	CADD Operator/Tech	Clerical	Total Labor Hrs.	Remarks	Cost Per Task
FC 160 - ROADWAY DETAILS											
5 - REMOVAL LAYOUTS					2	6	12		20		\$ 1,905.60
10 - MAINLINES PLAN AND PROFILE					8	12	20		40		\$ 4,005.72
RAMPS PLAN AND PROFILE					2	4	10		16		\$ 1,525.38
IH 35 INTERSECTION LAYOUT					1	4	8		13		\$ 1,225.37
MISCELLANEOUS DETAILS					1	4	8		13		\$ 1,225.37
SUB-TOTAL SHEETS - FC 160 - ROADWAY DETAILS	0	0	0	0	14	30	58	0	102		\$ 9,889.44
FC 160 - ROADWAY STANDARDS											
GF (31)			1		1		1		3		\$ 370.11
GF (31) DAT			1		1		1		3		\$ 370.11
GF (31) TR			1		1		1		3		\$ 370.11
GF (31) MS			1		1		1		3		\$ 370.11
QUAD (N)			1		1		1		3		\$ 370.11
REACT (N)			1		1		1		3		\$ 370.11
SGT (7) 31			1		1		1		3		\$ 370.11
SGT (8) 31			1		1		1		3		\$ 370.11
BED			1		1		1		3		\$ 370.11
CSB (1)			1		1		1		3		\$ 370.11
SUB-TOTAL SHEETS - FC 160 - ROADWAY STANDARDS	0	0	10	0	10	0	10	0	30		\$ 3,701.10
FC 163 - RETAINING WALL DETAILS											
2 - RETAINING WALL BORING LOGS											
RETAINING WALL GEOMETRIC DATA SUMMARY					3	6	15		24		\$ 2,288.07
RETAINING WALL PLAN & PROFILE											
INSE WALL UNDERCUT AND REPLACE DETAIL											
2 - RETAINING WALL RIP RAP DETAILS					2	4	10		16		\$ 1,525.38
RW (MSE)DD											
SUB-TOTAL SHEETS - FC 163 - RETAINING WALL STANDARDS	0	0	0	0	5	10	25	0	40		\$ 3,813.45
FC 167 - DRAINAGE DETAILS											
RW (MSE) MOD					1		1		2		\$ 215.55
RW (TRF)					1		1		2		\$ 215.55
RW (EM)					1		1		2		\$ 215.55
SUB-TOTAL SHEETS - FC 167 - DRAINAGE STANDARDS	0	0	0	0	3	0	3	0	6		\$ 646.65
FC 170 - BRIDGES											
LARGE DRAINAGE AREA BOUNDARIES											
6 - DRAINAGE PLAN											
STORM SEWER PIPE COMPUTATIONS											
RUNOFF COMPUTATIONS											
INLET COMPUTATIONS											
10 - STORM SEWER PLAN AND PROFILE					4	14	20		40		\$ 3,999.78
CULVERT CALCULATIONS											
CULVERT LAYOUTS					2	2	4		9		\$ 955.88
SUB-TOTAL SHEETS - FC 167 - DRAINAGE STANDARDS	0	0	3	0	6	16	24	0	49		\$ 4,955.66
FC 170 - BRIDGES											
IL-H-G			1		1	4	4		10		\$ 1,047.09
SCP-5			1		1	2	2		6		\$ 666.87
SCP-6			1		1	2	2		6		\$ 666.87
SCP-6			1		1	2	2		6		\$ 666.87
SCP-MD			1		1	2	2		6		\$ 666.87
SM-0			1		1	2	2		6		\$ 666.87
SETB-PD			1		1	2	2		6		\$ 666.87
SUB-TOTAL SHEETS - FC 170 - BRIDGE STANDARDS	0	0	7	0	7	16	16	0	46		\$ 5,048.31
FC 170 - BRIDGES											
8 - WBML BRIDGE LAYOUTS											
WBML BRIDGE TYPICAL SECTION											
WBML BRIDGE ESTIMATED QUANTITIES & BEARING SEAT ELEVATIONS											
8 - EBML BRIDGE LAYOUTS											
EBML BRIDGE TYPICAL SECTION											
EBML BRIDGE ESTIMATED QUANTITIES & BEARING SEAT ELEVATIONS											
SUB-TOTAL SHEETS - FC 170 - BRIDGES	0	0	0	6	0	0	6	0	12		\$ 1,520.88

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 CONSISTING OF: (A) MODIFY IH 35 PLAN SET TO 2014 STANDARDS, MANUALS AND SPECIFICATIONS
 DANNENBAUM ENGINEERING CORPORATION
 FEE SUMMARY

BASIC SERVICES DESCRIPTION	Principal	PM	Senior Engineer-Civil	Senior Engineer-Bridge	Engineer	Senior Designer	CADD Operator/Tech	Clerical	Total Labor Hrs.	Remarks	Cost Per Task
BASIC SERVICES DESCRIPTION											
FC 170 - BRIDGES											
IGND							1		2		\$ 253.48
IGD				1					2		\$ 253.48
IGEB				1					2		\$ 253.48
FD				1					2		\$ 253.48
ODSR				1					2		\$ 253.48
MEBR (C)				1					2		\$ 253.48
IGTS				1					2		\$ 253.48
IGMS				1					2		\$ 253.48
PCP				1					2		\$ 253.48
PCP-FAB				1					2		\$ 253.48
PMPF				1					2		\$ 253.48
SELA				1					2		\$ 253.48
SSTR				1					2		\$ 253.48
CSAB				1					2		\$ 253.48
BAS-A				1					2		\$ 253.48
BMCS				1					2		\$ 253.48
CRR				1					2		\$ 253.48
	0	0	0	17	0	0	17	0	34		\$ 4,309.16
SUB-TOTAL SHEETS - FC 170 - BRIDGES											
FC 162 - ILLUMINATION STANDARDS											
ED (1) THRU ED (6)					6		6		12		\$ 1,296.30
RID (F)					1				2		\$ 215.95
HMD (1) THRU HMD (6)					9		9		18		\$ 1,939.95
HMP (1) THRU HMP (2)					2		2		4		\$ 431.10
HMF (1) THRU HMF (2)					2		2		4		\$ 431.10
	0	0	0	0	20	0	20	0	40		\$ 4,311.00
SUB-TOTAL SHEETS - FC 162 - ILLUMINATION STANDARDS											
FC 162 - SIGNS, PVMT MRKGS & DELINEATION											
SIGNING & PAVEMENT MARKING LAYOUTS					0	2	6		8		\$ 714.06
SUB-TOTAL SHEETS - FC 162 - SIGNS, PVMT MRKGS & DELINEATION	0	0	0	0	0	2	6	0	8		\$ 714.06
FC 162 - SIGNS, PVMT MRKGS & DELINEATION STANDARDS											
SOS					1		1		2		\$ 215.95
D & OM (1)					1		1		2		\$ 215.95
D & OM (2) THRU D & OM (6)					4		4		8		\$ 862.20
D & OM (VA)					1		1		2		\$ 215.95
FPW (1) THRU FPM (4)					4		4		8		\$ 862.20
PM (1) THRU PM (4)					4		4		8		\$ 862.20
SMD (2-1) THRU SMD (2-4)					4		4		8		\$ 862.20
SMD (2-6)					1		1		2		\$ 215.95
SMD (GEN)					1		1		2		\$ 215.95
SMD (SLIP-1) THRU SMD (SLIP-3)					3		3		6		\$ 646.65
SMD (TWT)					1		1		2		\$ 215.95
SMD (FRP)					1		1		2		\$ 215.95
SMD (TY 6)					1		1		2		\$ 215.95
TSR (1) THRU TSR (5)					5		5		10		\$ 1,077.75
	0	0	0	0	32	0	32	0	64		\$ 6,897.60
SUB-TOTAL SHEETS - FC 162 - SIGNS, PVMT MRKGS & DELINEATION STANDARDS											
FC 163 - SW3P LAYOUTS											
STORM POLLUTION PREVENTION PLAN NARRATIVE									30		\$ 3,196.28
7 - STORM WATER POLLUTION PREVENTION PLAN LAYOUTS				8							
ENVIRONMENTAL PERMITS ISSUES AND COMMITMENTS											
REVEGETATION NOTES AND SPECIFICATIONS											
	0	0	0	8	0	0	0	0	30		\$ 3,196.28
SUB-TOTAL SHEETS - FC 163 - SW3P LAYOUTS											

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WEBB COUNTY LOOP 20 STIMULUS PROJECT
SUPPLEMENTAL WORK AUTHORIZATION NO. 9 (SWA #9) TO WORK AUTHORIZATION NO. 1 (WA #1)
CONSISTING OF: (A) MODIFY IH 35 PLAN SET TO 2014 STANDARDS, MANUALS AND SPECIFICATIONS
DANNENBAUM ENGINEERING CORPORATION
FEE SUMMARY

BASIC SERVICES DESCRIPTION	Principal	PM	Senior Engineer-Civil	Senior Engineer-Bridge	Engineer	Senior Designer	CADD Operator/Tech	Clerical	Total Labor Hrs.	Remarks	Cost Per Task
TOTAL SHEETS - DANNENBAUM BASIC SERVICES	0	4	76	58	183	74	362	9	766	766	
LABOR RATE PER HOUR	\$ 227.02	\$ 210.20	\$ 154.55	\$ 170.02	\$ 132.09	\$ 106.65	\$ 83.46	\$ 64.92	766		
DIRECT LABOR COSTS	\$ -	\$ 840.80	\$ 11,746.55	\$ 9,861.16	\$ 24,172.47	\$ 7,892.10	\$ 30,212.52	\$ 584.28	\$ 85,309.89	CHECK	
TOTAL COST	\$ -	\$ 840.80	\$ 11,746.55	\$ 9,861.16	\$ 24,172.47	\$ 7,892.10	\$ 30,212.52	\$ 584.28	\$ 85,309.89	\$ 85,309.89	
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON FEE)	0.00%	0.99%	13.77%	11.56%	28.33%	9.25%	35.42%	0.68%	100.00%		
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON MANHOURS)	0.00%	0.52%	9.92%	7.57%	23.89%	9.65%	47.26%	1.17%	100.00%		
DANNENBAUM (MODIFY TO 2014 SPECIFICATIONS - TOTAL ENGINEERING FEE)											\$ 85,309.89
DANNENBAUM (MODIFY PAVEMENT DESIGN - TOTAL ENGINEERING FEE)											\$ 19,298.80
DANNENBAUM (ENGINEERING PHASE - DIRECT EXPENSES)											
REPRO -30 SHEETS X \$5.00 / SHEET (MYLAR) X 6 SETS											\$ 900.00
REPRO -30 SHEETS X \$1.00 / SHEET (CHECK PLOTS & REVIEW SETS) X 6 SETS											\$ 180.00
CAR RENTAL - \$65 / TRIP X 4 TRIP											\$ 89.00
PER DIEM - \$100 /NIGHT STAY X 2 PERSON X 1 NIGHT (\$75 hotel/\$25 meals)											\$ 100.00
DELIVERY SERVICES - \$12 / PACKAGE X 5 PACKAGES											\$ 60.00
MILEAGE 4 TRIP X 266 MI / TRIP @ \$0.50 per mile											\$ 572.00
DANNENBAUM (TOTAL - DIRECT EXPENSES FEE)											\$ 1,901.00
TOTAL ENGINEERING											\$ 106,509.69

**DANNENBAUM ENGINEERING CORPORATION
 WEBB COUNTY LOOP 20 STIMULUS PROJECT
 SUPPLEMENTAL WORK AUTHORIZATION NO. 8 (SWA #8) TO WORK AUTHORIZATION NO. 1 (WA #1)
 CONSISTING OF: (A) MODIFY PROPOSED PAVEMENT DESIGN
 DANNENBAUM ENGINEERING CORPORATION
 FEE SUMMARY**

BASIC SERVICES DESCRIPTION	Principal	PM	Senior Engineer-Civil	Senior Engineer-Bridge	Engineer	Senior Designer	CADD Operator/Tech	Clerical	Total Labor Hrs.	Remarks	Cost Per Task
GENERAL											
EXISTING TYPICAL SECTIONS											
PROPOSED TYPICAL SECTIONS			1		3		20		24		\$ 2,220.03
SUMMARY OF ROADWAY					2	3	3		8		\$ 834.51
SUB-TOTAL SHEETS - GENERAL	0	0	1	0	5	3	23	0	32		\$ 3,054.54
FC 160 - ROADWAY DETAILS											
MAINLANES PLAN AND PROFILE					10	22	32		64		\$ 6,337.92
RAMPS PLAN AND PROFILE					2	4	10		16		\$ 1,525.38
SUB-TOTAL SHEETS - FC 160 - ROADWAY DETAILS	0	0	0	0	12	26	42	0	80		\$ 7,863.30
FC 160 - CROSS SECTIONS											
REVISE CROSS SECTIONS		2			14	26	40		82		\$ 8,580.96
SUB-TOTAL SHEETS - FC 160 - CROSS SECTIONS	0	2	0	0	14	26	40	0	82		\$ 8,580.96
TOTAL SHEETS - DANNENBAUM BASIC SERVICES	0	2	1	0	31	55	105	0	194		
TOTAL HOURS - DANNENBAUM BASIC SERVICES	\$ 227.02	\$ 210.20	\$ 154.55	\$ 170.02	\$ 132.09	\$ 106.65	\$ 83.46	\$ 64.92			
LABOR RATE PER HOUR	\$ -	\$ 420.40	\$ 154.55	\$ -	\$ 4,094.79	\$ 5,865.75	\$ 8,763.30	\$ -	\$ 19,298.80		
DIRECT LABOR COSTS	\$ -	\$ 420.40	\$ 154.55	\$ -	\$ 4,094.79	\$ 5,865.75	\$ 8,763.30	\$ -	\$ 19,298.80		
TOTAL COST	\$ -	\$ 420.40	\$ 154.55	\$ -	\$ 4,094.79	\$ 5,865.75	\$ 8,763.30	\$ -	\$ 19,298.80		\$ 19,298.80
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON FEE)	0.00%	2.18%	0.80%	0.00%	21.22%	30.39%	45.41%	0.00%	100.00%		
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON MANHOURS)	0.00%	1.03%	0.52%	0.00%	15.98%	28.35%	54.12%	0.00%	100.00%		
DANNENBAUM (TOTAL ENGINEERING PHASE - BASIC SERVICES FEE)											\$ 19,298.80
TOTAL ENGINEERING											\$ 19,298.80