



ST. CHARLES
SINCE 1834

AGENDA ITEM EXECUTIVE SUMMARY

Title: Recommendation to Approve Change Orders for the Red Gate Bridge Advanced Work Contract

Presenter: James Bernahl

Please check appropriate box:

<input type="checkbox"/>	Government Operations	<input checked="" type="checkbox"/>	Government Services 11.26.12
<input type="checkbox"/>	Planning & Development	<input type="checkbox"/>	City Council
<input type="checkbox"/>	Public Hearing	<input type="checkbox"/>	

Estimated Cost:	\$(-84,260.05)	Budgeted:	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> X	<input type="checkbox"/> NO	<input type="checkbox"/>
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If NO, please explain how item will be funded:

Executive Summary:

This change order and final approval are associated with the Red Gate Bridge Advanced Work contract that was approved on June 5, 2011. The scope of work for this contract included mass earthwork, tree removal, installation of pedestrian underpass bridge for the existing bike path on the east side of the Fox River, earthwork trucking, and detention pond installation.

Description of Request for Change Order Number 8:

- Change order request number 8 is for the final balancing of pay items for actual work completed in the field. Due to various unknown field conditions throughout the project various pay items were increased or decreased based on the required modification. This change also includes the addition of required line stops to allow for the abandonment of the existing water main.

Original Contract Amount: \$1,651,718.23
 Approved Change Orders: \$326,600.66 – Change Order No. 8 (-\$84,260.05) = \$242,340.61
 Final Contract Price: **\$1,894,058.85**

These items have been budgeted for, and at present the construction project overall still remains below the original construction budgeted amount.

Attachments: *(please list)*

- Copy of Change Orders Number 8

Recommendation / Suggested Action *(briefly explain):*

Recommend approval of change order number 8 for a total amount not to exceed \$(-84,260.05).

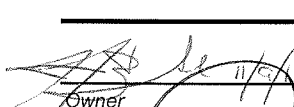
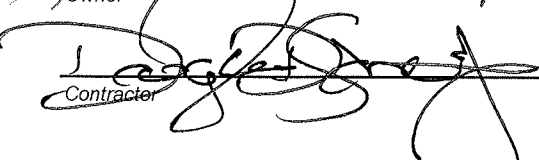
<i>For office use only:</i>	<i>Agenda Item Number: 5.i</i>
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City of St. Charles Public Works Engineering Division

CHANGE ORDER	
PROJECT: Red Gate Road Advance Contract	NO.: <u>8</u>
	DATE: <u>9/5/2012</u>
CONTRACTOR: Herlihy Mid-Continent Co.	
CONTRACT FOR:	
P.O. :	Budget Account :
You are directed to make the following changes:	
DESCRIPTION:	This is a BALANCING AND FINAL change order for all the pay items that need adjustments from the current quantity to the final (measured and agreed) quantity.
PURPOSE OF CHANGE:	To make the necessary adjustments to the current contract quantities.
ATTACHMENTS:	Recommendation letter, contractor pricing, detailed specifications for the work.
CHANGE IN CONTRACT PRICE	CHANGE IN CONTRACT TIME
Original Contract price: <u>\$ 1,651,718.23</u>	Original Contract deadline: October 31, 2011 + 14 working days
Previous Change Orders: <u>\$ 326,600.66</u>	Previous Change Orders: n/a
Contract Price prior to this Change Order: <u>\$ 1,978,318.89</u>	Contract deadline prior to this Change Order: October 31, 2011 + 34 working days
Net Increase (Decrease) of this Change Order <u>\$ (84,260.05)</u>	Net Increase (Decrease) of this Change Order
Contract price with all approved Change Order: <u>\$ 1,894,058.85</u>	Contract deadline with all approved Change Order: October 31, 2011 + 34 working days

RECOMMENDED:

 Resident Engineer Date 10/30/12

APPROVED:
 11/9/12
 Owner Date
 11/9/12
 Contractor Date


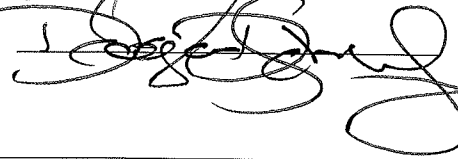
It is determined that the circumstances necessitating this change order were not foreseeable at the time the original contract was signed, the change order is germane to the original contract as signed, and the change order is in the best interest of the City and authorized by law.

PAY ITEM CALCS

ITEM OR PCM	ITEM DESCRIPTION	UNITS	BID QUANTITY	ADDITION (OR DEDUCT.)	ADJUSTED QUANTITY	FINAL QUANTITY	INCREASE OR DECREASE	UNIT PRICE	COST INCREASE OR DECREASE
20100500	TREE REMOVAL, ACRES	ACRE	4.3		4.3	7.45	3.15	\$ 3,800.00	\$ 11,970.00
20101000	TEMPORARY FENCE	FOOT	5500		5,500.03	685	-1,815.0	\$ 2.20	\$ (3,993.00)
20101100	TREE TRUNK PROTECTION	EACH	100		100.0	0	-100.0	\$ 45.00	\$ (4,500.00)
20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	100		100.0	1	-99.0	\$ 35.00	\$ (3,465.00)
20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	100		100.0	42	-58.0	\$ 75.00	\$ (4,350.00)
20200100	EARTH EXCAVATION	CU YD	16188		16,188.0	29282	13,094.0	\$ 3.00	\$ 39,282.00
20400800	FURNISHED EXCAVATION	CU YD	59621		59,621.0	51689	-7,932.0	\$ 7.99	\$ (63,376.68)
20700400	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	298		298.0	260.1	-37.9	\$ 35.00	\$ (1,326.50)
20800150	TRENCH BACKFILL	CU YD	39		39.0	0	-39.0	\$ 35.00	\$ (1,365.00)
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	10402		10,402.0	6640	-3,762.0	\$ 5.92	\$ (22,271.04)
25000110	SEEDING, CLASS 1A	ACRE	0.2		0.2	0.22	0.02	\$ 3,000.00	\$ 60.00
25000210	SEEDING, CLASS 2A	ACRE	8.6		8.6	8.11	-0.49	\$ 775.00	\$ (379.75)
25000300	SEEDING, CLASS 3	ACRE	1.4		1.4	0.85	-0.55	\$ 1,500.00	\$ (825.00)
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	918		918.0	807.7	-110.3	\$ 2.00	\$ (220.60)
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND91	8		918.0	807.7	-110.3	\$ 2.00	\$ (220.60)
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND91	8		918.0	807.7	-110.3	\$ 2.00	\$ (220.60)
25002300	TEMPORARY SEEDING	ACRE	12.3		12.3	2.4	-9.9	\$ 100.00	\$ (990.00)
25100115	MULCH, METHOD 2	ACRE	2.7		2.7	2.62	-0.08	\$ 1,700.00	\$ (136.00)
25100630	EROSION CONTROL BLANKET	SQ YD	23957		23,957.0	39243	15,286.0	\$ 0.95	\$ 14,521.70
25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	6731		6,731.0	4199.3	-2,531.7	\$ 1.25	\$ (3,164.63)
28000400	PERIMETER EROSION BARRIER	FOOT	7996		7,996.0	6805.5	-1,190.5	\$ 1.50	\$ (1,785.75)
28100107	STONE RIPRAP, CLASS A4	SQ YD	541		541.0	539	-2.0	\$ 50.00	\$ (100.00)
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	413		413.0	0	-413.0	\$ 9.50	\$ (3,923.50)
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	206		206.0	0	-206.0	\$ 4.00	\$ (824.00)
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	46		46.0	2.2	-43.8	\$ 230.00	\$ (10,074.00)
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1503		1,503.01	134	-369.0	\$ 1.00	\$ (369.00)
50300225	CONCRETE STRUCTURES	CU YD	77.6		77.6	77.7	0.1	\$ 500.00	\$ 50.00
50300255	CONCRETE SUPERSTRUCTURE	CU YD	349.9		349.9	349.9	0.0	\$ 745.00	\$ -
50300260	BRIDGE DECK GROOVING	SQ YD	808		808.0	0	-808.0	\$ 5.75	\$ (4,646.00)
50300280	CONCRETE ENCASEMENT	CU YD	7.7		7.7	8.4	0.7	\$ 1,250.00	\$ 875.00
50300300	PROTECTIVE COAT	SQ YD	924		924.0	898.1	-25.9	\$ 3.00	\$ (77.70)
50401105	FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE I-BEAMS, 54 IN.	FOOT	894		894.0	893.1	-0.9	\$ 180.00	\$ (162.00)
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	88220		88,220.0	88220	0.0	\$ 1.10	\$ -
50800515	BAR SPLICERS	EACH	118		118.0	118	0.0	\$ 25.00	\$ -
51201600	FURNISHING STEEL PILES HP12X53	FOOT	784	600	1,384.0	1387.7	3.7	\$ 70.00	\$ 259.00
51202305	DRIVING PILES	FOOT	784	528	1,312.0	1312.1	0.1	\$ 1.00	\$ 0.10
51203600	TEST PILE STEEL HP12X53	EACH	2		2.0	2	0.0	\$ 10,000.00	\$ -
51500100	NAME PLATES	EACH	1		1.0	0.6	-0.4	\$ 650.00	\$ (260.00)
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1		1.0	1	0.0	\$ 475.00	\$ -
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1		1.0	1	0.0	\$ 550.00	\$ -
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	94		94.0	94	0.0	\$ 42.00	\$ -
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	48		48.0	54	6.0	\$ 47.00	\$ 282.00
550A0640	STORM SEWERS, CLASS A, TYPE 3 12"	FOOT	63		63.0	54	-9.0	\$ 55.00	\$ (495.00)

CITY OF ST. CHARLES
DEPARTMENT OF PUBLIC WORKS
DIVISION OF ENGINEERING
PAY ESTIMATE

PROJECT: Red Gate Road Extension over the Fox River – Advance Contract
PROJECT NO.: B-5-113
CONTRACT NO.: 17059
SPECIFICATION NO.: 55745
GENERAL CONTRACTOR: Herlihy Mid-Continent
ESTIMATE NO.: 6 and FINAL
ESTIMATE DATE: 10/31/2012
BID AMOUNT: \$1,651,718.23
APPROVED CHANGE ORDER AMOUNT: \$242,340.61 up to & including CO #8
ADJUSTED TOTAL CONTRACT AMOUNT: \$1,894,058.84
PREVIOUSLY PAID TO DATE AMOUNT: \$1,778,764.28
THIS ESTIMATE AMOUNT: \$115,294.56
% TO DATE: 100.00%
% ESTIMATE AMOUNT: 6.09%

Submitted By: 
Approved By: 

ITEM OR PCM	ITEM DESCRIPTION	UNITS	BID QUANTITY	ADDITION (OR DEDUCT.)	ADJUSTED QUANTITY	QUANTITY OR PERCENT		UNIT PRICE	This Period	GTD	TOTAL
						CURRENT	TOTAL TO DATE				
20100500	TREE REMOVAL, ACRES	ACRE	4.3	3.15	7.45	3.15	7.45	\$ 3,800.00	3.15	7.45	\$11,970.00
20101000	TEMPORARY FENCE	FOOT	5,500	-1815.00	3685.00	100.00	3685.00	\$ 2.20	100.00	3685.00	\$220.00
20101100	TREE TRUNK PROTECTION	EACH	100	-100.00	0.00	0.00	0.00	\$ 45.00	0.00	0.00	\$0.00
20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	100	-99.00	1.00	0.00	1.00	\$ 35.00	0.00	1.00	\$0.00
20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	100	-58.00	42.00	0.00	42.00	\$ 75.00	0.00	42.00	\$0.00
20200100	EARTH EXCAVATION	CU YD	16,188	13094.00	29282.00	13094.00	29282.00	\$ 3.00	13094.00	29282.00	\$39,282.00
20400800	FURNISHED EXCAVATION	CU YD	59,621	-7932.00	51689.00	300.00	51689.00	\$ 7.99	300.00	51689.00	\$2,397.00
20700400	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	298	-37.90	260.10	0.00	260.10	\$ 35.00	0.00	260.10	\$0.00
20800150	TRENCH BACKFILL	CU YD	39	-39.00	0.00	0.00	0.00	\$ 35.00	0.00	0.00	\$0.00
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	10,402	-3762.00	6640.00	0.00	6640.00	\$ 5.92	0.00	6640.00	\$0.00
25000110	SEEDING, CLASS 1A	ACRE	0.20	0.02	0.22	0.02	0.22	\$ 3,000.00	0.02	0.22	\$60.00
25000210	SEEDING, CLASS 2A	ACRE	8.60	-0.49	8.11	0.01	8.11	\$ 775.00	0.01	8.11	\$7.75
25000300	SEEDING, CLASS 3	ACRE	1.40	-0.55	0.85	0.05	0.85	\$ 1,500.00	0.05	0.85	\$75.00
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	918	-110.30	807.70	0.70	807.70	\$ 2.00	0.00	807.70	\$1.40
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	918	-110.30	807.70	0.70	807.70	\$ 2.00	0.70	807.70	\$1.40
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	918	-110.30	807.70	0.70	807.70	\$ 2.00	0.00	807.70	\$1.40
25002300	TEMPORARY SEEDING	ACRE	12.30	-9.90	2.40	0.00	2.40	\$ 100.00	0.00	2.40	\$0.00
25100115	MULCH, METHOD 2	ACRE	2.70	-0.08	2.62	0.02	2.62	\$ 1,700.00	0.02	2.62	\$34.00
25100630	EROSION CONTROL BLANKET	SQ YD	23,957	15286.00	39243.00	15286.00	39243.00	\$ 0.95	15286.00	39243.00	\$14,521.70
25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	6,731	-2531.70	4199.30	0.30	4199.30	\$ 1.25	0.30	4199.30	\$0.38
28000400	PERIMETER EROSION BARRIER	FOOT	7,996	-1190.50	6805.50	0.50	6805.50	\$ 1.50	0.50	6805.50	\$0.75
28100107	STONE RIPRAP, CLASS A4	SQ YD	541	-2.00	539.00	0.00	539.00	\$ 50.00	0.00	539.00	\$0.00
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	413	-413.00	0.00	0.00	0.00	\$ 9.50	0.00	0.00	\$0.00
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	206	-206.00	0.00	0.00	0.00	\$ 4.00	0.00	0.00	\$0.00
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	46	-43.80	2.20	0.20	2.20	\$ 230.00	0.20	2.20	\$46.00
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1,503	-369.00	1134.00	0.00	1134.00	\$ 1.00	0.00	1134.00	\$0.00
50300225	CONCRETE STRUCTURES	CU YD	77.60	0.10	77.70	0.10	77.70	\$ 500.00	0.10	77.70	\$50.00
50300255	CONCRETE SUPERSTRUCTURE	CU YD	349.90	0.00	349.90	0.00	349.90	\$ 745.00	0.00	349.90	\$0.00
50300260	BRIDGE DECK GROOVING	SQ YD	808	-808.00	0.00	0.00	0.00	\$ 5.75	0.00	0.00	\$0.00
50300280	CONCRETE ENCASEMENT	CU YD	7.70	0.70	8.40	0.70	8.40	\$ 1,250.00	0.70	8.40	\$875.00
50300300	PROTECTIVE COAT	SQ YD	924	-25.90	898.10	0.00	898.10	\$ 3.00	0.00	898.10	\$0.00
50401105	FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE I-BEAMS, 54 IN.	FOOT	894	-0.90	893.10	0.00	893.10	\$ 180.00	0.00	893.10	\$0.00
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	88,220	0.00	88220.00	0.00	88220.00	\$ 1.10	0.00	88220.00	\$0.00
50800515	BAR SPLICERS	EACH	118	0.00	118.00	0.00	118.00	\$ 25.00	0.00	118.00	\$0.00
51201600	FURNISHING STEEL PILES HP12X53	FOOT	784	603.70	1387.70	3.70	1387.70	\$ 70.00	3.70	1387.70	\$259.00
51202305	DRIVING PILES	FOOT	784	528.10	1312.10	0.10	1312.10	\$ 1.00	0.10	1312.10	\$0.10
51203600	TEST PILE STEEL HP12X53	EACH	2	0.00	2.00	0.00	2.00	\$ 10,000.00	0.00	2.00	\$0.00

ITEM OR PCM	ITEM DESCRIPTION	UNITS	BID QUANTITY	ADDITION (OR DEDUCT.)	ADJUSTED QUANTITY	QUANTITY OR PERCENT		UNIT PRICE	This Period	QTD	TOTAL
						CURRENT	TOTAL TO DATE				
51500100	NAME PLATES	EACH	1	-0.40	0.60	0.00	0.60	\$ 650.00	0.00	0.60	\$0.00
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1	0.00	1.00	0.00	1.00	\$ 475.00	0.00	1.00	\$0.00
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1	0.00	1.00	0.00	1.00	\$ 550.00	0.00	1.00	\$0.00
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	94	0.00	94.00	0.00	94.00	\$ 42.00	0.00	94.00	\$0.00
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	48	6.00	54.00	6.00	54.00	\$ 47.00	6.00	54.00	\$282.00
550A0640	STORM SEWERS, CLASS A, TYPE 3 12"	FOOT	63	-9.00	54.00	0.00	54.00	\$ 55.00	0.00	54.00	\$0.00
550A1550	STORM SEWERS, CLASS A, TYPE 6 15"	FOOT	82	-6.00	76.00	0.00	76.00	\$ 60.00	0.00	76.00	\$0.00
55100500	STORM SEWER REMOVAL 12"	FOOT	25	-25.00	0.00	0.00	0.00	\$ 10.00	0.00	0.00	\$0.00
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	132	-4.70	127.30	0.00	127.30	\$ 12.00	0.00	127.30	\$0.00
60109580	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	227	-25.80	201.20	0.00	201.20	\$ 28.00	0.00	201.20	\$0.00
60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	3	0.00	3.00	0.00	3.00	\$ 2,240.00	0.00	3.00	\$0.00
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	0.00	1.00	0.00	1.00	\$ 4,452.00	0.00	1.00	\$0.00
60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	1	0.00	1.00	0.00	1.00	\$ 1,751.00	0.00	1.00	\$0.00
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	0.00	1.00	0.00	1.00	\$ 6,500.00	0.00	1.00	\$0.00
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	0.00	6.00	0.00	6.00	\$ 2,000.00	0.00	6.00	\$0.00
67100100	MOBILIZATION	L SUM	1	0.00	1.00	0.00	1.00	\$ 58,000.00	0.00	1.00	\$0.00
70101700	TRAFFIC CONTROL AND PROTECTION	L SUM	1	0.00	1.00	0.00	1.00	\$ 4,890.00	0.00	1.00	\$0.00
X0322671	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	1,500	-1229.30	270.70	0.00	270.70	\$ 5.50	0.00	270.70	\$0.00
XX004094	CONCRETE SLOPEWALL	SQ FT	5,163	49.70	5212.70	49.70	5212.70	\$ 15.00	49.70	5212.70	\$745.50
XX006821	CONCRETE TRUCK WASHOUT	L SUM	1	0.00	1.00	0.00	1.00	\$ 2,000.00	0.00	1.00	\$0.00
XXXXXXX	SEDIMENT BASIN DEWATERING STRUCTURE	EACH	2	0.00	2.00	0.00	2.00	\$ 1,000.00	0.00	2.00	\$0.00
Z0007124	STEEL RAILING (SPECIAL)	FOOT	262	-3.20	258.80	0.00	258.80	\$ 125.00	0.00	258.80	\$0.00
Z0013300	CONCRETE REMOVAL (SPECIAL)	SQ YD	269	-269.00	0.00	0.00	0.00	\$ 6.00	0.00	0.00	\$0.00
Z0019600	DUST CONTROL WATERING	UNIT	300	-198.00	102.00	0.00	102.00	\$ 15.00	0.00	102.00	\$0.00
Z0022800	FENCE REMOVAL	FOOT	358	163.00	521.00	163.00	521.00	\$ 3.65	0.00	521.00	\$594.95
X9100001	ELECTRICAL DUCT BANK, SPECIAL	\$	0	36575.00	36575.00	0.00	36575.00	\$ 1.00	0.00	36575.00	\$0.00
X9100002	HYDROEXCAVATION OF MCI LINE	LS	0	1.00	1.00	0.00	1.00	\$ 2,212.50	0.00	1.00	\$0.00
FRC00001	PILE SPLICES	\$	0	12968.90	12968.90	0.00	12968.90	\$ 1.00	0.00	12968.90	\$0.00
FRC00002	REMOVAL OF SPOIL NEAR IL 25	\$	0	4834.27	4834.27	0.00	4834.27	\$ 1.00	0.00	4834.27	\$0.00
FRC00003	UNDERDRAIN INSTALLATION	\$	0	13769.62	13769.62	0.00	13769.62	\$ 1.00	0.00	13769.62	\$0.00
FRC00004	REMOVAL OF SPOIL AT WEST BLUFF	\$	0	7797.37	7797.37	0.00	7797.37	\$ 1.00	0.00	7797.37	\$0.00
X9100003	HAUL ROAD AND CAUSEWAY	LS	0	0.974	0.974	0.214	0.974	\$ 205,000.00	0.214	0.974	\$43,870.00
										0.00	\$0.00
										0.00	\$0.00
										0.00	\$0.00
										0.00	\$0.00
										0.00	\$0.00