Transmission Document

To : Tyler	**Co : Wildcat Construction**
Fax :	Pages : 13
Email :	
Project : Wildcat1604 - COW Re-use Water Pump Station	Ref. : WILDCAT - 25
Address :	Date : 05/31/2016

Tyler,

Please receive the submittal package that you requested for the above mentioned project.

Please do not hesitate to contact the undersigned with questions regarding the proposed submittal and thank you for choosing Andale Ready Mix Central, Inc.

Sincerely,

Christopher James Carney
Quality Control and Assurance Department
Sales/QC
316-640-8750
chrisc@andalereadymix.com

MKEC ENGINEERING, INC.
411 N. WEBB ROAD • WICHITA, KS 67206

☐ Reviewed ☐ Revise and Resubmit
☒ Reviewed as Noted ☐ Rejected
☐ Not Required by the Contract Documents

Reviewed for conformance with the design concept of the Project and compliance with the information given in the Contract Documents. Contractor is responsible for dimensions to be confirmed and correlated at the job site; for information that pertains solely to the fabrication process or to techniques of construction; and for coordination of the work of all trades.

BY Bryan 2 Brahe DATE 6-6-16

Mix List

Client : Wildcat Construction

Date : 05/31/2016

Project/Contract : Wildcat1604 - COW Re-use Water Pump Station / WILDCAT

Mix Design	Usage	Specified Strength	Aggregate Size	Cement Type	AE or NAE	Slump	Optional Products Service Codes	Quantity	Placement method
		(psi)			(%)	(in)		(yd^3)	
Plant : Wichita Plant - Wichita									
C400023A07	Structural	4 000	SCA3/CPA 4/57W67, ASTM C 33	Type I/II	4.0 to 7.0	4.00 ± 1.00			
C400023A03	Paving	4 000	SCA3/CPA 4/57W67, ASTM C 33	Type I/II	5.0 to 8.0	4.00 ± 1.00			

Mix Design Report

Mix design is ok for footings & foundation walls. Provide a non air-entrained mix for interior concrete slabs on grade.

Client :	Wildcat Construction	**Date :**	05/31/2016
Project/Contract :	Wildcat1604 - COW Re-use Water Pump Station / WILDCAT -		
Placement :			
Usage :	Structural		
Mix Design No. :	C400023A07	**Description :**	4000psi, Ash AE

Compressive Strength	4 000 psi at 28 Days	**Submittal No.**	WILDCAT - 25
Aggregate Size	SCA3/CPA4/57W67,	**Plant**	Wichita Plant, Wichita
Air %	4.0% to 7.0%	**Volume**	27.00 ft³
w/cm Ratio	0.45	**U.W. at 6.0 % of air**	141.3 lb/ft³
Slump	4.00 ± 1.00in	**Slump with SuperP**	

Constituents and Suppliers	**Quantity** (yd³)	**Sp. Gr.** SSD	**Volume**
Cement - 201 - Cement - Type I/II - - Buzzi Unicem, Cape Girardeau Complex	472 lb	3.150	2.40 ft³
Additive - 300 - Fly Ash - Type C - - Headwaters Resources, Springfield, MO	83 lb	2.760	0.48 ft³
Water - 101 - Water - City Water - City of Wichita	250.0 lb (30.0 Gal)	1.000	4.00 ft³
Stone - 401 - SCA3/CPA4/57W67, ASTM C 33 - Crushed stone - - Whitaker Aggregates	1194 lb	2.585	7.40 ft³
Sand - 400 - FA-A, ASTM C 33/404 - Natural sand - - Associated Materials, Maize	1815 lb	2.619	11.10 ft³
Admixture - 501 - AEA-92S - Air-entraining agent - - The Euclid Chemical Company,	(*)	1.010	(*)
Admixture - 512 - ChrysoEnviroMix i44 - Mid range water reducer - - Chryso Inc.,	(*)	1.040	(*)
Air Volume			1.62 ft³
Total	3814 lb		27.00 ft³

Optional Products :

Remarks :

1h - We are pleased to present a 4000 PSI concrete that meets the requirements of the most currents standards of the American Concrete Institute when handled, placed, and tested in accordance with ASTM and ACI standards and recommended practices; 2b - The mix is submitted as per ACI 318-08, Chapter 5 (Field Experience Method); 3a - Our mix design are designed for a standard slump range of 4 ± 1 inch or otherwise specified. We recommend the use of superplasticizers to achieve higher desired slumps range from 5 to 8 inches without negatively impacting concrete strength.; 6a - We would like to be included on the distribution list for all concrete test results from the selected testing laboratory, the owner, or the general contractor, in accordance with ASTM C-94 and ACI 318.

(*) Based on technical sheet

Prepared by : Christopher James Carney, Sales/QC	Approved by :
Date : 05/23/2016	Date : / /

Wichita Plant

3170 N. Ohio Wichita

BC049

Mix Design Report

Client :	Wildcat Construction	**Date :** 05/31/2016	
Project/Contract :	Wildcat1604 - COW Re-use Water Pump Station / WILDCAT -		
Placement :			
Usage :	Paving ✓ ✓		
Mix Design No. :	C400023A03	**Description :**	4000psi, CITY 6.6 SACK Ash AE

Compressive Strength	4 000 psi at 28 Days	**Submittal No.**	WILDCAT - 25
Aggregate Size	SCA3/CPA4/57W67,	**Plant**	Wichita Plant, Wichita
Air %	5.0% to 8.0% ✓	**Volume**	27.00 ft³
w/cm Ratio	0.47 ✓	**U.W. at 6.0 % of air**	139.2 lb/ft³
Slump	4.00 ± 1.00in	**Slump with SuperP**	6.00 ± 2.00 in

Constituents and Suppliers	**Quantity (yd³)**	**Sp. Gr. SSD**	**Volume**
Cement - 201 - Cement - Type I/II - - Buzzi Unicem, Cape Girardeau Complex	527 lb	3.150	2.68 ft³
Additive - 300 - Fly Ash - Type C - - Headwaters Resources, Springfield, MO (15%)	93 lb ✓	2.760	0.54 ft³
Water - 101 - Water - City Water - City of Wichita	290.0 lb (34.7 Gal)	1.000	4.65 ft³
Stone - 401 - SCA3/CPA4/57W67, ASTM C 33 - Crushed stone - - Whitaker Aggregates	1130 lb	2.585	7.00 ft³
Sand - 400 - FA-A, ASTM C 33/404 - Natural sand - - Associated Materials, Maize	1718 lb	2.619	10.51 ft³
Admixture - 501 - AEA-92S - Air-entraining agent - - The Euclid Chemical Company,	(*)	1.010	(*)
Admixture - 512 - ChrysoEnviroMix i44 - Mid range water reducer - - Chryso Inc.,	(*)	1.040	(*)
MAXIMUM SLUMP PER CITY SPECS IS 4"			
Air Volume			1.62 ft³
Total	3758 lb		27.00 ft³
Optional Products :			

Remarks :

1h - We are pleased to present a 4000 PSI concrete that meets the requirements of the most currents standards of the American Concrete Institute when handled, placed, and tested in accordance with ASTM and ACI standards and recommended practices; 2b - The mix is submitted as per ACI 318-08, Chapter 5 (Field Experience Method); 3a - Our mix design are designed for a standard slump range of 4 ± 1 inch or otherwise specified. We recommend the use of superplasticizers to achieve higher desired slumps range from 5 to 8 inches without negatively impacting concrete strength.; 6a - We would like to be included on the distribution list for all concrete test results from the selected testing laboratory, the owner, or the general contractor, in accordance with ASTM C-94 and ACI 318.

(*) Based on technical sheet

Prepared by : Christopher James Carney, Sales/QC	Approved by :
Date : 05/23/2016	Date : / /

Wichita Plant
3170 N. Ohio Wichita

BC049

Buzzi Unicem USA

MILL CERTIFICATION REPORT
PORTLAND CEMENT - TYPE I/II (LOW ALKALI)

Certification Date: 03/09/16
Cement Type: I/II (low alkali)
Laboratory: Cape Girardeau Plant

We hereby certify that this cement complies with current ASTM C150 and AASHTO M85 Specifications. The data presented below is the average of the cement that was shipped.

ASTM STANDARD REQUIREMENTS			MILL CERTIFICATION VALUES	
CHEMICAL DATA		**SPEC. #**	**CHEMICAL DATA**	
SiO_2 - %	A	ASTM C-114	SiO_2 - %	20.3
Al_2O_3 - %	max 6.0	ASTM C-114	Al_2O_3 - %	4.3
Fe_2O_3 - %	max 6.0	ASTM C-114	Fe_2O_3 - %	2.9
CaO - %	A	ASTM C-114	CaO - %	62.8
MgO - %	max 6.0	ASTM C-114	MgO - %	3.0
SO_3 - %	max 3.0***	ASTM C-114	SO_3 - %	2.7
Loss on Ignition - %	max 3.0	ASTM C-150	Loss on Ignition - %	2.7
Insoluble Residue - %	max 0.75	ASTM C-114	Insoluble Residue - %	0.51
CO2 in Cement - %	A	ASTM C-150	CO2 in Cement - %	1.8
Limestone - %	max 5.0	ASTM C-150	Limestone - %	4.8
CaCO3 in Limestone - %	min 70	ASTM C-150	CaCO3 in Limestone - %	83
Potential Phase Compounds:**		ASTM C-150	Potential Phase Compounds:**	
C_3S - %	A	ASTM C-150	C_3S - %	55
C_2S - %	A	ASTM C-150	C_2S - %	16
C_3A - %	max 8	ASTM C-150	C_3A - %	6
C_4AF - %	A	ASTM C-150	C_4AF - %	9
$C_3S + 4.75C_3A$ - %	max 100	ASTM C-150	$C_3S + 4.75C_3A$ - %	84.6
Na_2O Equivalent - %	max 0.60 ✓	ASTM C-150	Na_2O Equivalent - %	0.51
PHYSICAL DATA			**PHYSICAL DATA**	
Fineness - Blaine - m^2/kg	min 260	ASTM C-204	Fineness - Blaine - m^2/kg	399
Autoclave Expansion %	max 0.80	ASTM C-151	Autoclave Expansion %	0.01
Time of Set - Initial		ASTM C-191	Time of Set - Initial	
Vicat (minutes)	min 45		Vicat Initial (minutes)	125
	max 375			
Air Content %	max 12	ASTM C-185	Air Content %	8.6
Compressive Strength:		ASTM C-109	Compressive Strength:	
1 day - psi (MPa)	A		1 day - psi (MPa)	2200 (15.2)
3 day - psi (MPa)	1740 (12.0)		3 day - psi (MPa)	3900 (26.9)
7 day - psi (MPa)	2760 (19.0)		7 day - psi (MPa)	5030 (34.7)
Heat Of Hydration (7 day)	A	ASTM C-186	Heat Of Hydration (7 day) - cal/g	77.9
Mortar Sulfate Expansion %	max 0.040	ASTM C-452	Mortar Sulfate Expansion %	0.029

By _____
Michael L. Bollinger - Quality Supervisor

A Not applicable.

*** Adjusted per ASTM C150 Annex A1.6*

**** It is permissible to exceed the values for SO3 content, provided that the Mortar Bar Expansion C1038 does not exceed 0.020 % at 14 days.*

BUZZI UNICEM USA, Cape Girardeau Plant
2524 South Sprigg Street, Cape Girardeau, MO. 63703, P.O. Box 520, Cape Girardeau, MO 63702-0520, Phone 573.335.5591

✓

Analytical Testing Service Laboratories, Inc.
P.O. Box 1118, Joplin, Missouri 64802
(417) 782-6573

Headwaters Resources
4319 S.National # 127
Springfield, MO 65810-2607
(417)882-0965

January 08, 2015

Attn: Kristy Rotramel

Re: 59454 - Jeffrey Fly Ash Sample - 2000 Ton Composite - Unit 2 - 11/ 20-12/05 /2014

	AASHTO-M295 Class "C" Requirements	ASTM C-618 ✓ Class "C" Requirements	Actual
Fineness (+325 Mesh)	34% Max	34% Max	15.50%
Fineness Variation	5.0% Max	5.0% Max	0.10%
Moisture Content	3% Max	3% Max	0.09%
Density g/cm^3 C188	5% Max	****	2.76
Density Variation	5.0% Max	5.0% Max	0.83%
Loss on Ignition	5% Max	6% Max	0.20%
Soundness	0.8% Max	0.8% Max	0.12%
S.A.I., 7 Days	75% Min	75% Min	101.40%
S.A.I., 28 Days	75% Min	75% Min	107.70%
Water Req. % Control	105% Max	105% Max	94.20%
Silica SiO_2	****	****	29.61%
Aluminum Oxide Al_2O_3	****	****	19.90%
Ferric Oxide Fe_2O_3	****	****	5.15%
Total	50% Min	50% Min	54.66%
Sulfur Trioxide SO_3	5% Max	5% Max	2.56%
Calcium Oxide CaO	****	****	29.17%
Magnesium Oxide MgO	****	****	8.29%
Available Alkalies as Na_2O	1.50% Max	------	1.41%

We certify the above was tested in accordance with ASTM C-618 and AASHTO M295.

Analytical Testing Service Laboratories, Inc.

John K. Cupp, Manager

EUCLID CHEMICAL
Product Certification

The Euclid Chemical Company
19215 Redwood Road
Cleveland, OH 44110-2799
Phone: 800-321-7628
Fax: 216-531-9596
www.euclidchemical.com

Prepared for:
ANDALE READYMIX
3170N OHIO
WICHITA, KANSAS 67219
Project:

3/30/2016

Certification of Eucon AEA-92S

The Euclid Chemical Company hereby certifies that its liquid admixture, Eucon AEA-92S, is formulated for use as an air entraining admixture and meets or exceeds the requirements of ASTM C-260, the Corps of Engineers Specification CRD-C-13, and AASHTO Specification M-154. Furthermore, it is also certified that Eucon AEA-92S contains no calcium chloride nor any added chloride ions other than those normally present in water.

For additional information please contact Euclid Chemical Technical Support at (800) 321-7628.

Jesse Osborne

Euclid Chemical
Admixture Product Manager

Concrete admixture

CHRYSO® EnviroMix® i44

Multi-range water reducer – High SCM replacement ratio

Features

CHRYSO®EnviroMix® i44 is a high performance chemical admixture using proprietary polycarboxylate technology combined with innovative chemical engineering to provide the means to produce high performance concrete offering normal to accelerated setting characteristics, improved workability & finishability and improved strength development properties.

CHRYSO®EnviroMix® i44 is manufactured under rigid quality control measures to provide uniform, reliable results.

Benefits

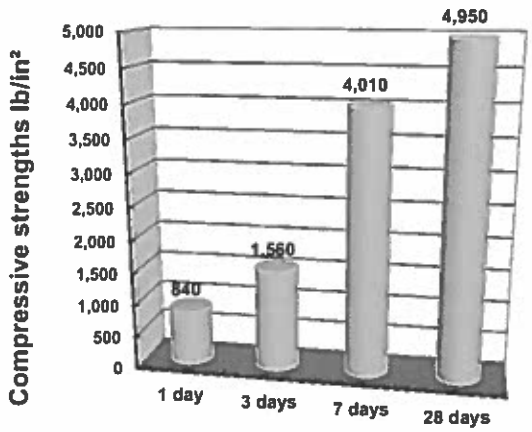
- Allows better utilization of mixes incorporating high volumes of pozzolans such as fly ash and improves workability retention
- Provides increased slump and flowability without increased water content
- Improves concrete quality by reducing the water-cement ratio for a given degree of workability
- Proprietary finishing aid improves workability and finishability
- Hydration catalysts accelerate concrete set and boosts early strength
- Reduces cracking and shrinkage
- Improves concrete chemical resistance and durability
- High SCM usage ratio contributes to the protection of our environment (Cf. reduction of CO^2 emission encouraged by LEED directives)
- Improves cementitious material performance (more psi/lb)

Areas of Application

CHRYSO®EnviroMix® i44 is recommended for all concrete mixes where significant water reduction, improved cementitious material performance (more psi/lb), normal to accelerated set times and enhanced finishing characteristics are desirable.

CHRYSO®EnviroMix® i44 is especially effective in improving the performance of concrete mixes containing high volumes of fly ash and other pozzolans.

Example: 40% fly ash / 60% cement
455 lbs cementitious total



CHRYSO

www.chryso.com

Concrete admixture

Technical Datasheet

CHRYSO® EnviroMix® i44

Description:

Characteristics:

- Physical state: liquid
- Color: green
- Density: 1.04 ± 0.020 g/cc
- pH: 5.5 ± 2.0
- Cl^- ion content: Nil

CHRYSO®EnviroMix® i44 does not contain any purposely added calcium chloride or other chloride based components. It will not promote or contribute to corrosion of reinforcing steel in concrete.

Packaging:

- 55 gallon (210 L) drums
- 264 gallon (1000 L) totes
- bulk deliveries

Standard specifications:

CHRYSO®EnviroMix® i44 meets the requirements of ASTM C494, Types A & F for a high range water reducing admixture

Directions for use:

Dosage:

CHRYSO®EnviroMix® i44 is recommended for use at a dosage rate of 3 to 9 fluid ounces per 100 pounds (195 to 585 ml per 100 kg) of cement for a Type A and 10 to 18 fluid ounces per 100 pounds (652 to 1170 ml per 100 kg) of cement for a Type F.

Because local job conditions vary, please contact your local Chryso sales representative for further assistance if using outside recommended dosage ranges.

Compatibility

CHRYSO®EnviroMix® i44 is compatible with all types of Portland cement, class C and F fly ash, slag, microsilica, calcium chloride, fibers and approved air entraining admixtures.

CHRYSO®EnviroMix® i44 can be used in all white, colored, and architectural concrete. For best results, each admixture must be dispensed separately into the concrete mix.

Precaution:

CHRYSO®EnviroMix® i44 may freeze at temperatures below 33° F (2° C). Although freezing does not harm **CHRYSO®EnviroMix® i44**, precautions should be taken to protect it from freezing. If **CHRYSO®EnviroMix® i44** should happen to freeze, thaw and reconstitute with mechanical agitation.
Do Not Use Pressurized Air For Agitation.

Shelf life: 9 months

Safety:

CHRYSO®EnviroMix® i44 is not considered dangerous to handle. Please refer to the material safety data sheet for additional information.

About CHRYSO:

CHRYSO is a subsidiary of the multi-billion dollar specialty construction chemicals Group, Materis.
Worldwide leader for Concrete and Cement additives, **CHRYSO** has been servicing the construction Industry for over half a century with outstanding innovation and service.
As a result, **CHRYSO**'s name and products have been associated with the most prestigious and demanding construction projects worldwide.

CHRYSO Inc. Tel: (800) 936-7553 – Fax: 972-772-6010

Southern Division	P.O. Box 190	Rockwall, TX	75032
Midwest Division	P.O. Box 129	Charlestown, IN	47111
Western Division	5090 Nome St	Denver, CO	80239
Eastern Division	200 C Leonard Rd	Lexington, NC	27295

CHRYSO

www. us.chryso.com

AEA-92S

Air Entraining Agent For Concrete

Euclid Concrete Admixtures

Description

AEA-92S is formulated for use as an air entraining admixture for concrete of all types and is manufactured under rigid control which assures uniform and precise performance. It should be added to the mix independently and not with other admixtures.

Primary Applications

- Ready mix concrete
- Structural concrete
- Mass concrete
- Paving concrete
- All exterior concrete

Features/Benefits

- Provides a stable air void system with proper bubble size and spacing. This air void system protects concrete against damage caused by repeated freeze/thaw cycles
- Concrete is made more resistant to de-icing salts, sulfate attack and corrosive water
- Less mixing water can be used per yard (meter) of concrete and placeability is improved
- Minimizes bleeding and segregation of the concrete

Technical Information

AEA-92S is an aqueous solution compound of organic chemicals. It is compatible with concrete mixes containing other commonly used Euclid Chemical Company admixtures.

Appearance

AEA-92S is an amber colored material which, when added to concrete does not change the concrete's natural appearance.

Packaging

AEA-92S is packaged in bulk, 275 gal (1041 L) totes, 55 gal (208 L) drums and 5 gal (18.9 L) pails.

Shelf Life

2 years in original, unopened package.

Specifications/Compliances

AEA-92S meets or exceeds the requirements of the following specifications:

- Corps of Engineers Specification CRD C-13
- ASTM Specification C 260
- AASHTO Specification M 154
- ANSI/NSF STD 61

Directions for Use

1/2 to 2 oz of AEA-92S/100 lb (30 to 120 ml of AEA-92S/100 kg) of cement will generally entrain 3% to 6% air in concrete. This amount will vary depending on type of cement, fineness of sand, addition of fly ash, temperature, design of the mix, etc. Concrete mixes must be tested regularly to confirm that the proper air content is achieved.

AEA-92S
Air Entraining Agent For Concrete

Master Format #: 03 3000

Revised: 3.07

The Euclid Chemical Company
19218 Redwood Rd. • Cleveland, OH 44110
Phone: [216] 531-9222 • Toll-free: [800] 321-7628 • Fax: [216] 531-9596
www.euclidchemical.com

An RPM Company

PRECAUTIONS/LIMITATIONS

- Consult your local Euclid Chemical representative for the proper dosage rate adjustments when using fly ash, slag or high range water reducers.
- Add to the mix independent of other admixtures.
- In all cases, consult the Material Safety Data Sheet before use.

CONCRETE
Aggregate properties

Client : Wildcat Construction
Address :
Project : Wildcat1604 - COW Re-use Water Pump Station

Gradation and physical properties of Aggregates

Product	400				401			
Supplier	Associated Materials - Maize				Whitaker Aggregates Inc. - Winfield			
Grading	FA-A, ASTM C 33/404				SCA3/CPA4/57W67, ASTM C 33 ✓			
Sieve analysis		%Passing				%Passing		
2 "		100.0				100.0		
1" 1/2		100.0				100.0		
1"		100.0				100.0 ✓		
3/4"		100.0				94.0 ✓		
1/2"		100.0				59.0		
3/8"		100.0 ✓				37.0 ✓		
# 4		99.0 ✓				6.0 ✓		
# 8		83.0 ✓				1.0 ✓		
# 16		67.0 ✓				1.0		
# 30		43.0 ✓				1.0		
# 50		18.0 ✓				1.0		
# 100		3.0 ✓				1.0		
# 200		0.6 ✓				0.9		
Description	Results	Standard	Legend	Date	Results	Standard	Legend	Date
Specific gravity SSD	2.619	ASTM C-128		05/14/2008	2.585	ASTM C - 127		05/14/2008
% Absorption	0.90	ASTM C-128		05/14/2008	2.60 ✓	ASTM C - 127		05/14/2008
Fineness Modulus	2.87 ✓	ASTM C - 136 ✓		12/05/2008	6.58	ASTM C - 125		01/14/2015
Los Angeles					33.0 ✓	ASTM C - 131		01/14/2015
Soundness					9.0 ✓	ASTM C - 88		01/14/2015
Clay lumps	0.10 ✓	C142		03/02/2015				
Soundness Fine	2.4	ASTM C-88		03/02/2015				

Legend :

Prepared by : Christopher James Carney, Sales/QC

Date : 05/23/2016

Approved by : _____

Date : / /

CONCRETE

ACI strength test

Mix Design No. :	**C400023A07**	**Period :**	**From 05/23/2015 evaluation To 05/23/2016**
Plant :	Wichita Plant, Wichita	Usage :	Multiple
Compressive Strength :	4 000 psi to 28 Days	Aggregate size :	SCA3/CPA4/57W67, ASTM C 33

Test results

Sample No.	Sampling date	Slump Field	Slump Plant	Air Before	Air After	Temp.	3 Days	7 Days	28 Days	28 Days	28 Days	Range	Average 28 Days	Moving avg. of (3)	Standard of (3)	CV of (3)
		(in)	(in)	(%)	(%)	(°F)	(psi)						(psi)			
16004	01/06/2016	6.00				67.0		4 458	5 624	5 491		133	5 558	5 455	211	3.87
16003	01/06/2016	6.00				68.0		3 780	5 491	4 932		559	5 212	5 793	701	12.10
16002	01/06/2016	6.00				68.0		4 186	5 618	5 572		46	5 595	5 654	888	15.71
16001	01/05/2016	3.00				62.0	2 034	3 948	6 610	6 532		78	6 571	5 630	892	15.84
15340	12/22/2015		5.50	5.7		75.0		3 981	4 860	4 733		127	4 797	5 266	406	7.71
15331	12/18/2015		4.00	6.6		77.0	3 737		5 561	5 483		78	5 522	5 418	144	2.66
15323	12/10/2015		4.00	7.2		76.0		4 271	5 490	5 466		24	5 478	5 196	314	6.04
15320	12/08/2015		5.00	6.0		65.0			6 011	4 497		1 514	5 254	5 614	987	17.58
15308	12/04/2015		7.00	6.3		78.0	1 673		4 913	4 801		112	4 857	5 898	954	16.17
15338	11/24/2015	2.00		7.0				5 162	6 730				6 730	6 458	319	4.94
15337	11/23/2015	2.75		5.3		79.0		4 773	6 107				6 107	6 024	558	9.26
15336	11/23/2015	1.50		5.4		75.0		5 548	6 536				6 536	5 745	690	12.01
15335	11/23/2015	3.50		7.8		70.0		4 356	5 429				5 429	5 578	405	7.26
15242	08/31/2015		6.50	5.9		78.0	2 354		5 391	5 146		245	5 269	5 344	659	12.33
15191	06/19/2015		4.00			72.0	3 258		6 044	6 029		15	6 037	5 333	661	12.39
15171	05/27/2015	6.00		6.0		73.0		3 374	4 734	4 718		16	4 726			
15174	05/27/2015		3.75			71.0		3 772	5 345	5 125		220	5 235			

Reported by: Chris Carney Date : 05/23/2016 Verified by:_____