

195 35th Street Marion, lowa 52302 **www.cityofmarion.org**

Council Memo

DATE: February 3, 2017

TO: Mayor, City Council Members **CC:** Lon Pluckhahn, City Manager

FROM: Ryan Miller, Public Services Director **RE:** Council Agenda Items- Work Session

Exhibit(s):

B.1 Discussion regarding lease and pole attachment agreement with Verizon Wireless.

Public Service has continued to work with Verizon Wireless on a communications project that involves the co-location of cellular antennas on city owned street lights.

In the last two years, Verizon has co-located cellular equipment on city owned light poles in an effort to facilitate a controlled build-out of small cell infrastructure.

Currently, most cellular companies utilize macro towers (large towers) to propagate cellular signals. As cellular use increases, the towers become saturated and cellular bandwidth is compromised along with signal coverage.

Cellular companies have identified new technologies that will allow for the integration of wireless nodes that will relieve current cellular infrastructure.

Formulating a partnership with the cellular companies in this stage of the project will allow for both the City and the cellular companies to utilize and share resources that will provide significant long term benefits.

Verizon has provided documents for the proposed locations of the infrastructure.

erizon

VICINITY MAP

CED INDIAN CREEK SC7

SITE PHOTO



TROJECT DESCRIPTION	TION
WORKITEM	SUPPLIED BY
INSTALL (1) ANTENNA	MZA
INSTALL (1) ERICSSON RRUS32 B66A W/PSU	MZA
INSTALL (1) ERICSSON RRUS B13	MZA
INSTALL CABLING	39
INSTALL (1) DISCONNECT BOX	39
INSTALL (1) HAND HOLE	FIBER PROVIDER
INSTALL PROPOSED POLE	CITY OF MARION

LOCATION SCAN



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	s	r.	<u> </u>	A-5	A.	A-3	A-2	A-1	T-2	1-1	SHEET	
The second secon	SURVEY	UTILITY & FIBER DETAILS	GROUNDING PLAN, ELEVATION, & DETAILS	SPECIFICATIONS & RF STICKERS	LANE CLOSURE DETAILS	ANTENNA MOUNT DETAILS, RRU DETAILS, & RRU MOUNT DETAILS	ANTENNA PLAN, KEY, SPECS, & POLE ELEVATION	SITE / UTILITY PLAN & PHOTOS	AERIAL PHOTO & NODE LOCATIONS	PROJECT INFORMATION, MAPS, DIRECTIONS, & SHEET INDEX	SHEET DESCRIPTION	SHEET INDEX
CONSTRUCTION	NOT FOR											

ISSUED FOR REVIEW 11-18-16 ISSUED FOR LESSOR SIGNOFF 01-03-17
ISSUED FOR LESSOR SIGNOFF 01-03-17

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~	ISSUED FOR LESSOR SIGNOFF 01-03-17	ALL
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9973 VALLEY VIEW RD. EDEN PRAIRIE, MN 55344 (952) 903-9299 WWW.DESIGN1EP.COM

verizon

10801 BUSH LAKE ROAD BLOOMINGTON, MN 55438

DESIGN

	CONTACTS
LESSOR	CITY OF MARION MARION, IA 52302 PUBLIC SERVICES DIRECTOR RYAN MILLER (319) 877-5387
LESSEE	VERIZON WIRELESS 10801 BUSH LAVE ROAD BLOOMINGTON, MN 55438 MIKE COGAR (812) 72A-0030
ARCHITECT:	DESIGN 1 OF EDEN PRAIRIE, LLC. 9973 VALLEY VIEW ROAD EDEN PRAIRIE, IM \$5344 (952) 903-9259

PROJECT 20161423957

LOC. CODE: 418917 CED

VERIZON WIRELESS	
RELESS	

INDIAN CREEK SC7

4400 DUNN AVE MARION, IA 52302

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11-29-16	NATE BURKERT	CONSTRUCTION ENGINEER
11-29-16	MICHAEL KEMPIN	RF ENGINEER
DATE	NAME	JOB TITLE
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LES	LESSOR APPROVAL	
SIGNATURE	PRINTED NAME	DATE
LESSOR / LICENSOR:	LESSOR / LICENSOR: PLEASE CHECK THE APPROPRIATE BOX BELOW	BELOW
NO CHANGES.	CHANGES NEEDED. SEE COMMENTS ON PLANS.	S ON PLANS.

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MΕ	DATE	CONTACTS	,
KEMPIN	11-29-16	SHEET INDEX	
RKERT	11-29-16	DEPARTMENTAL APPROVALS LESSOR APPROVAL	PPROVALS
		PROJECT INFORMATION VICINITY MAP GENERAL NOTES	ATION
		DRAWN BY:	NPR
200		DATE:	11-18-16
700		CHECKED BY:	TAB
D NAME	DATE	REV. A	11-18-16
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APPROPRIATE BOX BELOW	X BELOW		
ED. SEE COMMENTS ON PLANS.	NTS ON PLANS.	1	
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GENERAL NOTES

- In the event that Special Inspections are not performed in compliance with the contract terms, bid specifications and/or specified form, the Genera Contractor will be liable for all damages, construction performance, failures, and corrective actions related to the same.
- The following peneral notes shall apply to drawings and govern unless otherwise noted or specified.

 The work delineated in these drawings and described in the specifications shall conform to codes, standards and regulations that have jurisdiction in the state of the, and the explicit MARADI. uirements and regulations pertaining to R.F. safety codes and practices must be incorporated in the work even though they may not be listed vidually and separately in either the drawings or the specifications.
- compare held conditions with architectural and engineering drawings. Any discrepancies shall be directed to the Architect for clarification prior to fabrication and/or construction. Source recessary shop drawings prior to labrication for approval by the Architect, No information or details on these sheets may be used without the permission of the exercer.

COUNTY SITE ADDRESS:

PROJECT NUMBER SITE NAME:

MARION, IA 52302

20161423957 CED INDIAN CREEK SC7 PROJECT INFORMATION

ANTENNA TIP HEIGHT:

SROUND ELEVATION ATITUDE:

ONGITUDE

ANTENNA CENTERLINE HEIGHT:

838.0' AMSL - 22.9' AGL

840.1' AMSL - 25.0' AGL

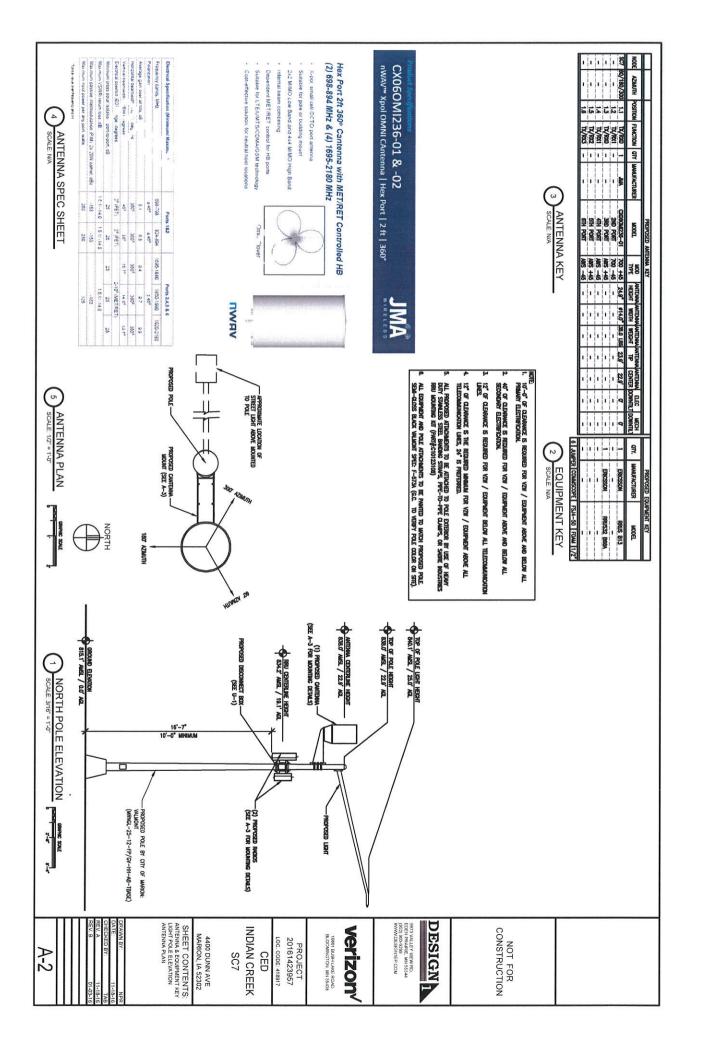
839.0' AMSL - 23.9' AGL

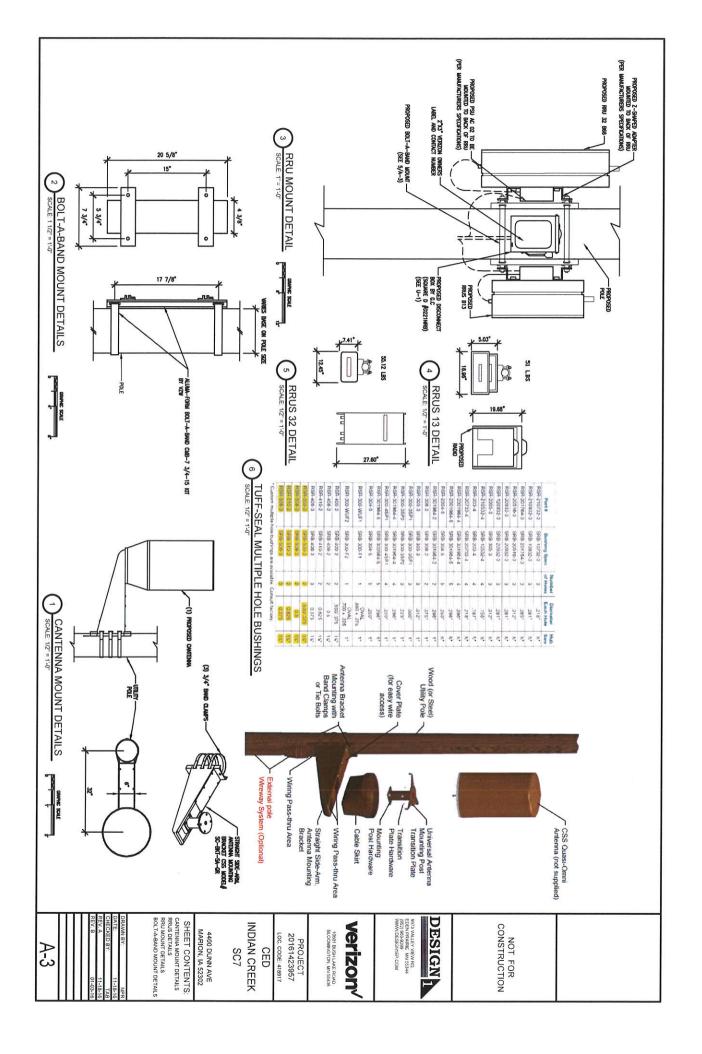
815.1' AMSL (NAVD88) W91 * 33' 46.53" (NAD83 N42" 02' 23,54" (NAD83

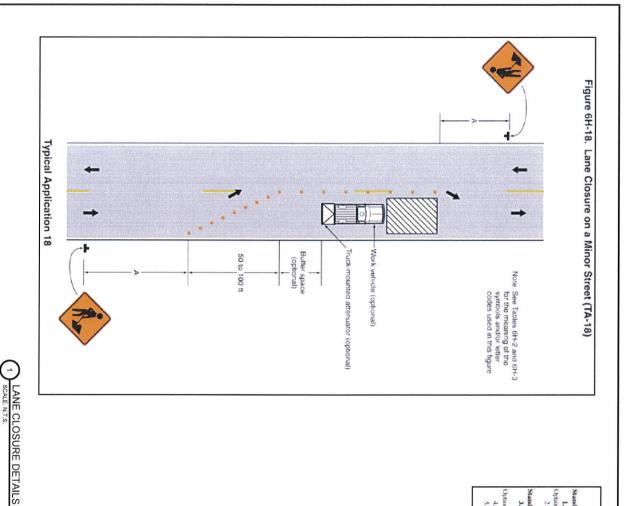
TRUCTURE HEIGHT:

- Do not scale drawings! 11" x 17" drawings to scale 24" x 36" drawings scale multiply by 2.
- Unless otherwise shown or noted, typical details shall be used where applicable
- Safety measures: The contactor shall be solely and completely responsible for the conditions of the job site, including safety of the persons and property and for independent engineering reviews of these conditions. The Architect's Engineers job site review is not intended to include review of the adequace
- Within these plans and specifications, "Owner" implies VERIZON WIRELESS.











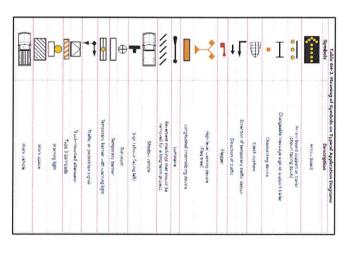
This TTC shall be used only for low-speed facilities having low traffic volumes.

- Option:

 Where the week space is short, where road mens can see the roadway beyond, and where volume is low vehicular roaffic may be self-regulating.

 Standard:

 Sta
- Where vehicular traffic cannot effectively self-regulate, one or two flaggers shall be used as illustrated in Figure 6H-10.
- HOST SEA THE CHAIR STATES
- Hashing warning lights und/or flags may be used to call attention to the advance warning signs.
 A truck-mounted attenuator may be used on the work vehicle and the shadow vehicle.





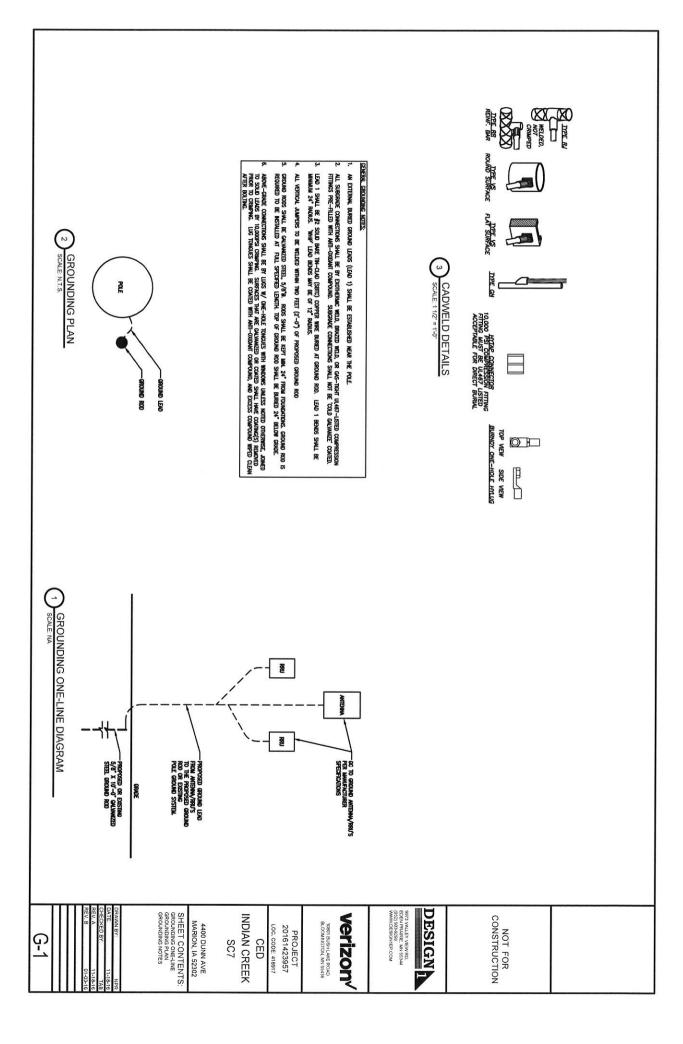
NOT FOR
CONSTRUCTION

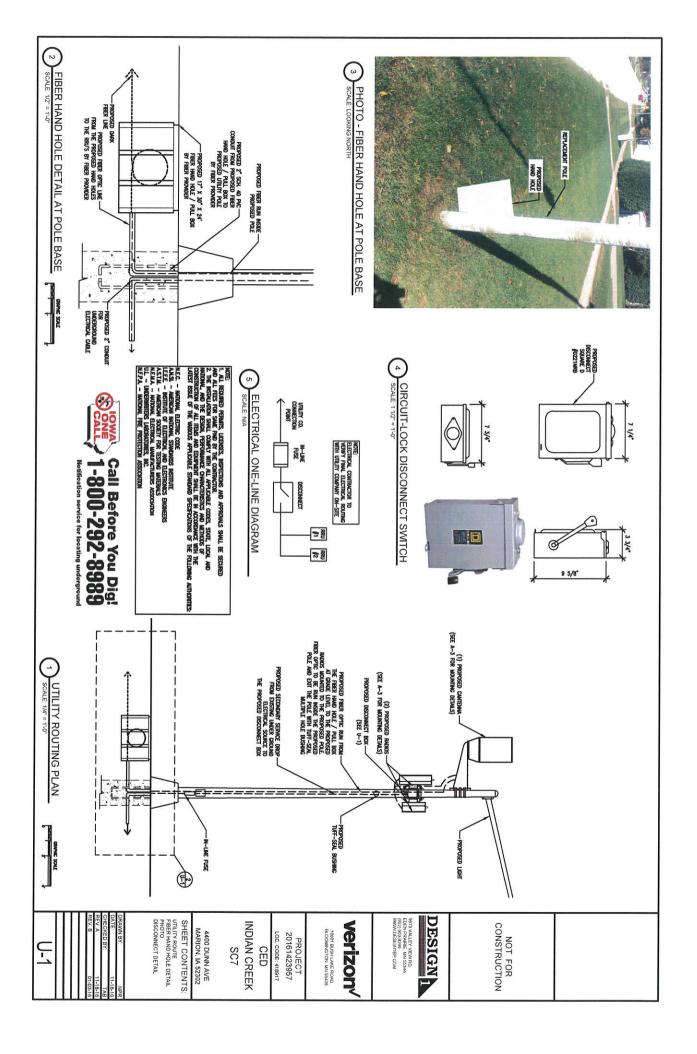
DESIGN

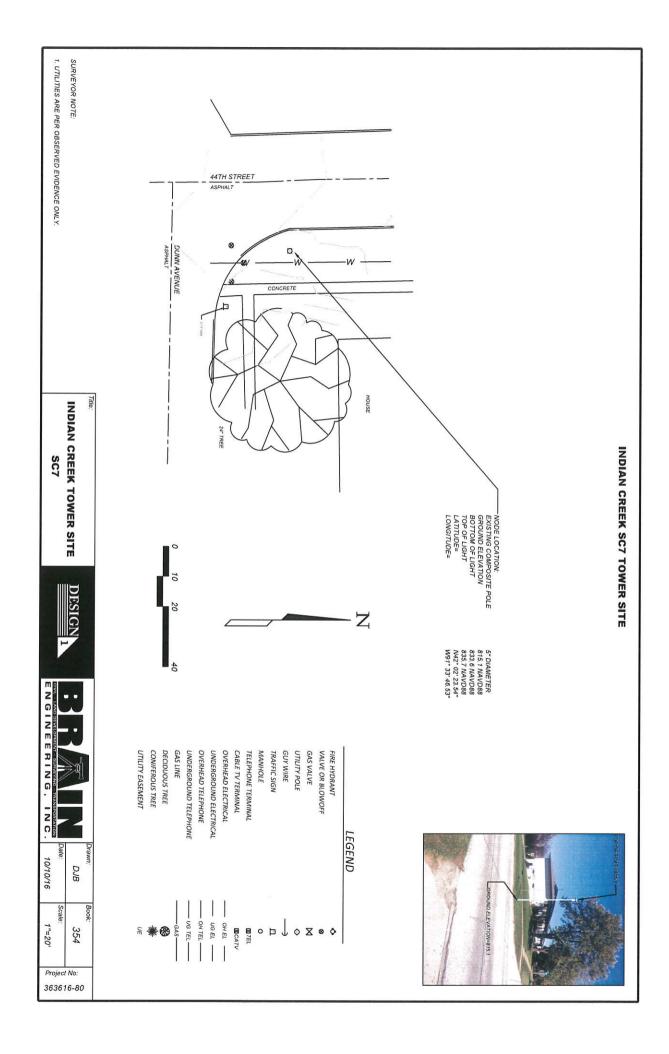
PEST PROJECT
PROJECT
20161423957
LOC. CODE: 418917
CED
INDIAN CREEK
SC7

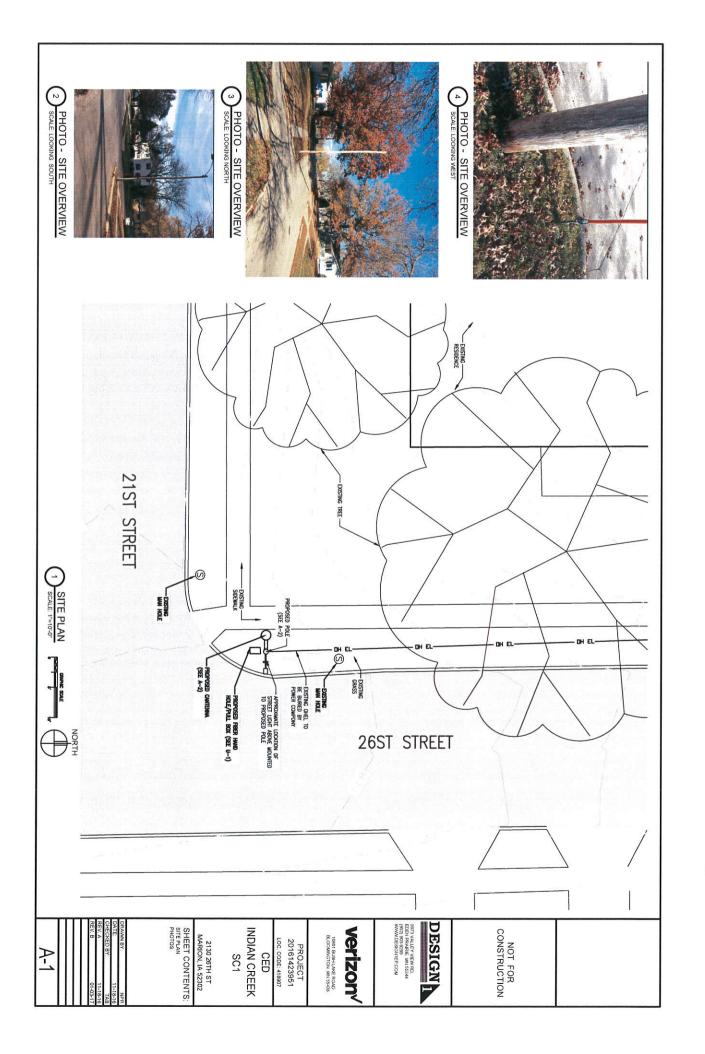
4400 DUNN AVE
MARION, IA 52302
SHEET CONTENTS:
LANE CLOSURE DETAILS
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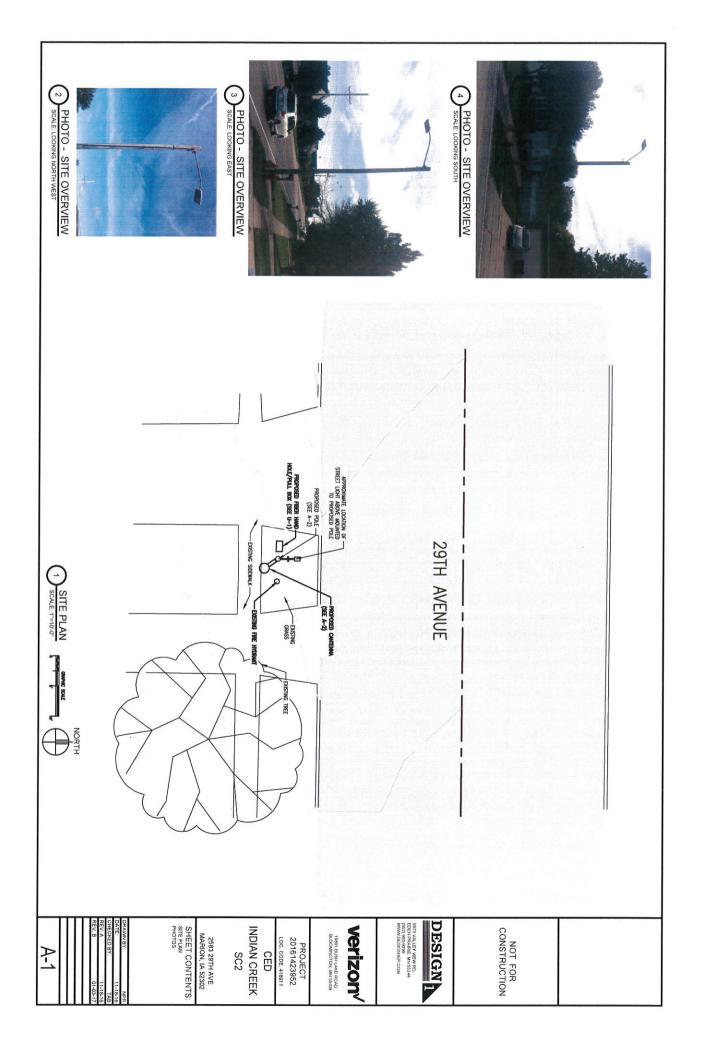
02 8001 FENCING N/A (i) 7000 CEAN UP & CLOSE QUIT Controctor said clean up the Site to the addrection of Owner. Contractor shall commode the form lead on the Owner's Panch List, and shall sign and return the List to the Owner. Contract the all controls or said of density and owing the jab. on which changes shall be need in red int. A full set of restand density (in-glabilly owner to the Arabidic of Labo completion and submit "construction work compiles memo" to Construction Engineer. 02 8000 SITE IMPROVEMENTS N/A CO 7900 TRLCO TO SITE Contractor will provide 2" exhauls 40 PPC consult, (schedule 80 PPC under roots and drives) with Targe seemy above & pull string for TELOD service on noted on piers. Code to be finer optic lines, source and provider LEO. Innotes shall be as in 62 7000. 02 7800 POWER TO SITE Contractor shall coordinate the electrical service to the RRU's with the Utility 02 5000 PAYNG & SURFACING Existing bluminous and concrete surfaces damoget during the constriction process must be returned to pre construction condition or better. Coordinate with owner and architect. 01 9200 TAXES Contractor shall pay sales and/or use 01 2000 MEZINACS Contractor shall make thamselves aware of, and otherd, meetings with the Owner Contractor shall make thamselves a to otherd a Pre-Construction Meeting of all parties involved, prior to the start of construction. 01 0400 SUPERMISON & COORDINATION Controctor shall provide supervision throughout the Project, coordinating the work of the Silcontroctors, and deleny it includion of Owner-furnished illems. Controctor's responsibilities include arranging & conducting of Underground Utilities Locates. Controctor shall comply with municipal, county, state and/or federal codes, including GSW. 01 0010 INSURANCE & BONDS Contractor is to furnish insurance certificates for themselves and subcontractors. Contractor will profes any required Bonding. Contractor agrees to warranty the project for (1) one year after completion. 00 0001 PSTAIRS Construction Permit shall be ocquired by, or in the name of, Vertoon Wireless, to be hamilafter referred to on the ORNER. Other permits shall be ocquired by the Contractor. 02 2000 EARTHWORK & EXCAVATION N/A 02 1100 ROAD IMPROVEMENT & CONSTRUCTION N/A 02 1000 SITE PREPARATION N/A 01 8300 TRAVEL TIME & PER DIEM Contractor shall provide room and board for their own personnel, time for traveling to & from job site. 01 5900 FELD OFFICES & SHEDS Contractor shall provide security (fence area or trailer module) for tools and materials that remain overnight on site. 01 5300 EQUIPMENT RENTAL. Contractor shall furnish equipment necessary to expedite work. O1 5100 TEMPORARY UTILITIES Contractor shall maintain the job site in a clean and orderly fashion, providing temporary sanitary facilities, and waste disposal. O1 0600 TESTING Contractor is responsible for providing Agencies with sufficient notice to arrange for Text Samples (i.e.: Concrete Cyfinders), and for Special Inspections. 00 0002 SURVEY FEES Survey shall be furnished by the Architect. Layout Stating shall be coordinated with the Surveyor per "Request For Quale", (RFQ). GENERAL CONDITIONS 8000 TRUCKS & MILENGE Contractor shall provide transportation for their own and reasonable Coloractor sell furnish and install structural and foshicated steel items not produced to sell furnish and install former—furnished items. Structural steel shall be fashicated by Owner, and install Owner—furnished items. Structural steel shall be fashicated and excelled per ASC specification. Wedding shall conform to ARS standards. Facili excellent partial be as shall seed to a structural Engineer. Steel ARS Coefficial Medien, and impacted on prescribed by the Structural Engineer. Steel shall be ASIL ARSO OR ASI, and a Syre-deposit seeding the Structural Steel shall be ASIL Structural steel. Seed the ASIL ARSO shall be as Structural steel, and the steel disposit openional steel and steel Oz 9000 (ANDSCAPINE) Controctor to reactive full cross discrepad by construction to presonatruction condition or selection. Controctor shall probed statisful indiscrepa elements that one not in the Scope of Work Resouncides personations and also that the means the health of eatility brees and shallows, conditions were reporting the boottlen of root preferred, before that the major consideration where conditionally entered that may count design the selection of the Artists and the compensated by the Receptor of the Artists and the compensated by the Receptor of the Artists and the compensated by the Receptor of the Artists and the compensated by the Receptor of the Artists and the Confector and furnish and shall now there, artists, and soil. Weating and the was described in CZ ESSO. 15 4000 PLUMBING N/A 15 5000 HWC N/A MECHANICAL 13 3423 TRANSPORT AND SET ANTENNS / EQUIPMENT Contractor shall provide craw(e) and/or truck for transporting, setting antennas and related equipment on light pole. 09 9000 PARTINC Contractor shall provide motoricis and labor for all pointing indicated in the Contractor documents and shall touch—up construction related scropes & scrotches critischerid documents and shall touch—up construction related scropes and sect appropriate sentitive spropriate point. Contractor to field with fields cost observables and select appropriate sentitives corresponding to the colors of the elements described below. Contractor to obtain Lessor and Architect approvals of all sentities prior to application of point: Contractor to point antennas, RRU's, and related equipment to match pole color. 03 1000 CONCRETE FORM WORK Concrete forms shall be dimension lumber, modular, or steel. 13 1400 ANTRAM INSTALL Contractor shall install Dener's enteriors and feed lines during erecting. Contractor shall last and certify feed lines per current VZIII standards. WOOD & PLASTICS N/A 13 1260 CABLE BRIDGE, CANOPY N/A 02 8500 IRRIGATION SYSTEMS N/A 13 3613 ANTENNA MOUNTS SIMLEM SPECIAL CONSTRUCTION N/A HARDWARK IHERMAL & MOSTURE N/A SITE PREPARATION INSTALL ANTENNAS/RRU's POWER/FIBER TO RRU's SITE GROUNDING CHIRACTOR SHALL PROVIDE MATERIAS, LABOR, TOXAS, TRANSPORTATION, SUPERNISON, ETC. TO FILLY DECUTE WORK, WORK REQUIREMENTS ARE DEFINED ON THE DRAWNINGS AND SPECIFICATIONS AND SHALL INCLUDE, BUT NOT BE LIMITED TO, THE TOLLOWING TELES. SCOPE OF WORK: Contractor shall make themselves familiar with and claims the current GROUNDING STANDARDS of VERZON WRELESS. Contractor shall perform work as aboven on Grounding Plans. Any site-specific grounding issues not covered by the GROUNDING STANDARD are to be addressed by the Contractor to the Owner. 16 6000 GROUNDING 16 5000 LIGHTING AND ELECTRICAL N/A SAMPLE P CAUTION WARNING Radio frequency fishes beyond this point eXCept) the PCC Occupational exposure 1 RF STICKERS NOTICE This is an ACCESS POINT to an area with transmitting antennas. INFORMATION SWITCH: GENERAL RAPID TICE DESIGN SHEET CONTENTS: SPECIFICATIONS RF STICKERS INDIAN CREEK NOT FOR CONSTRUCTION **verizon** 73 VALLEY VIEW RD. EN PRAIRIE, MN 55344 2) 903-9299 VW.DESIGN1EP.COM MARION, IA 52302 10801 BUSH LAKE ROAD BLOOMINGTON, MN 55438 20161423957 LOC. CODE: 418917 PROJECT A-5 CED



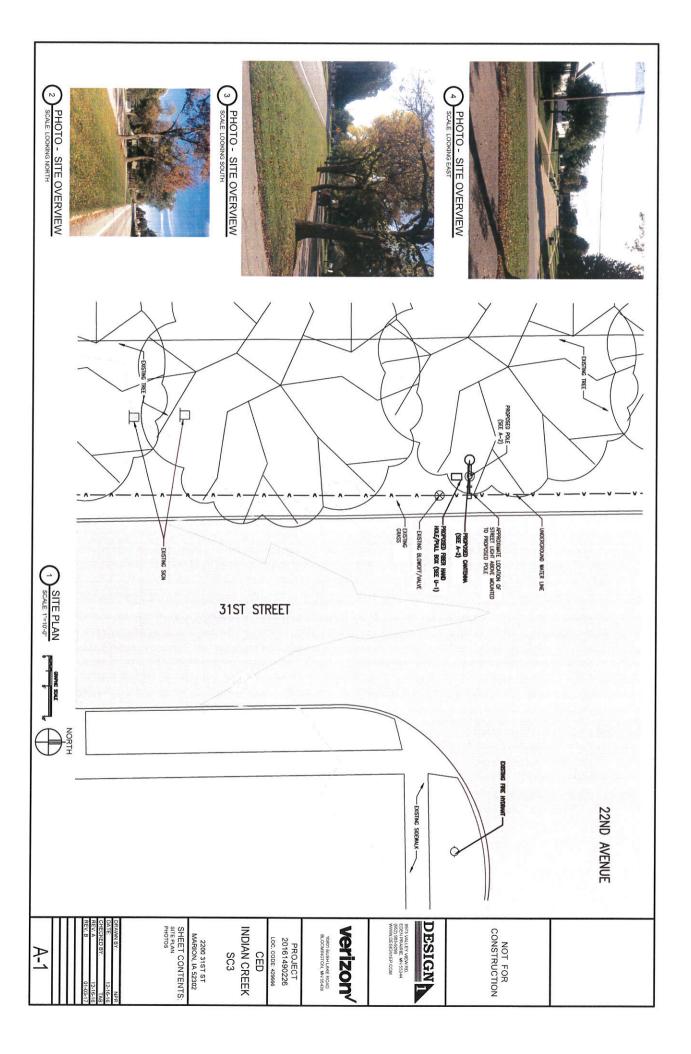


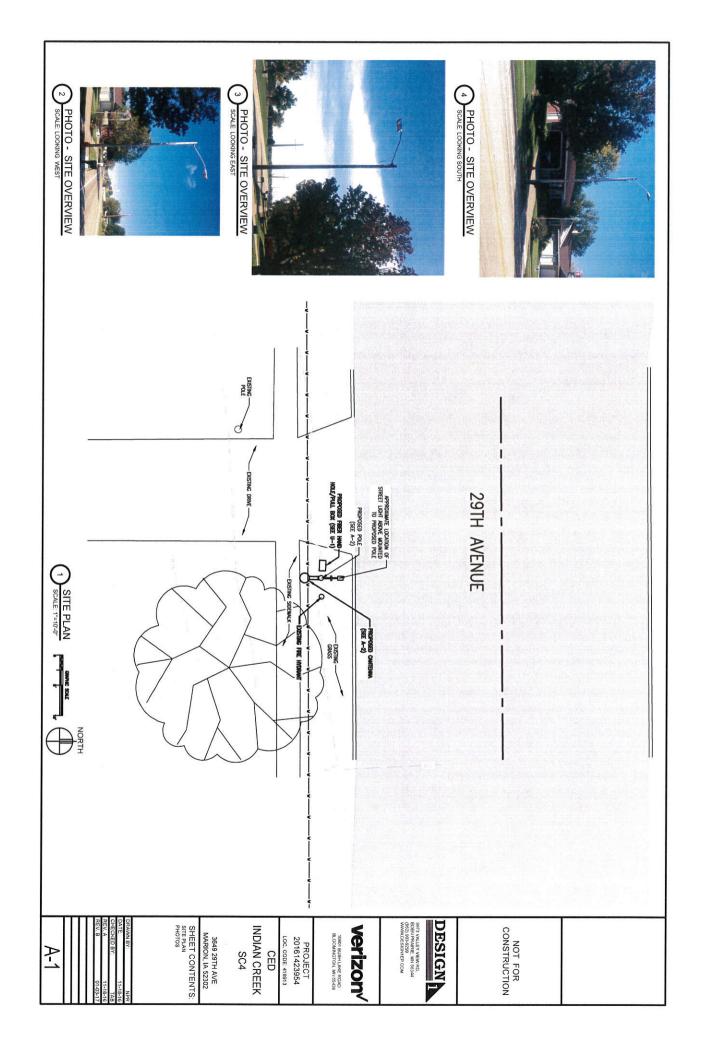


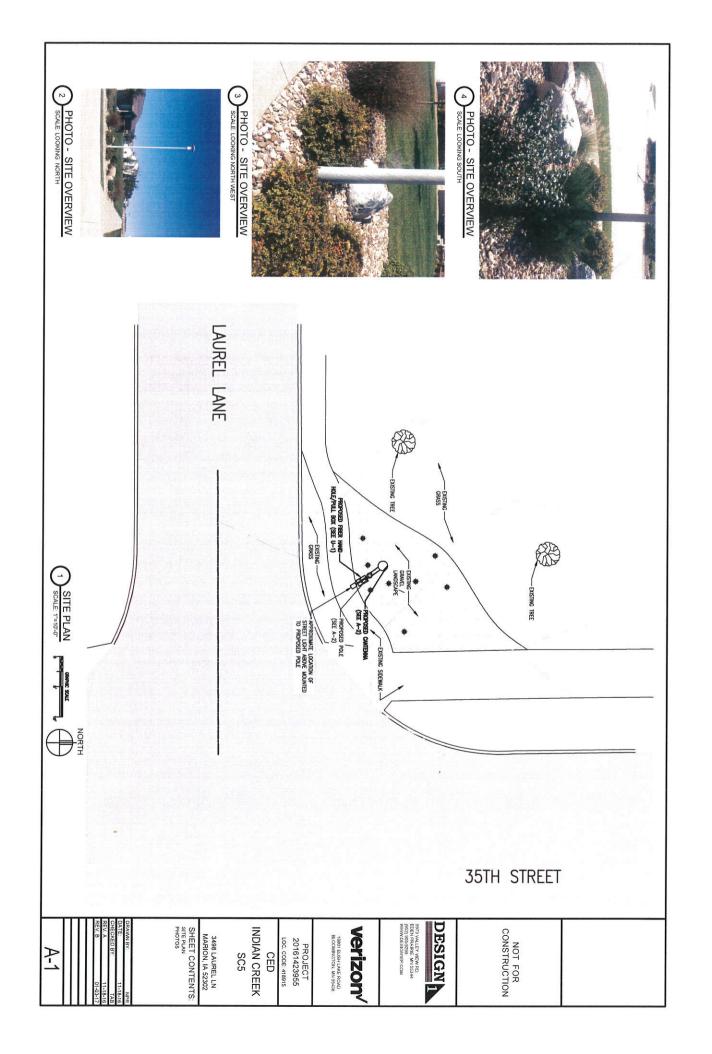


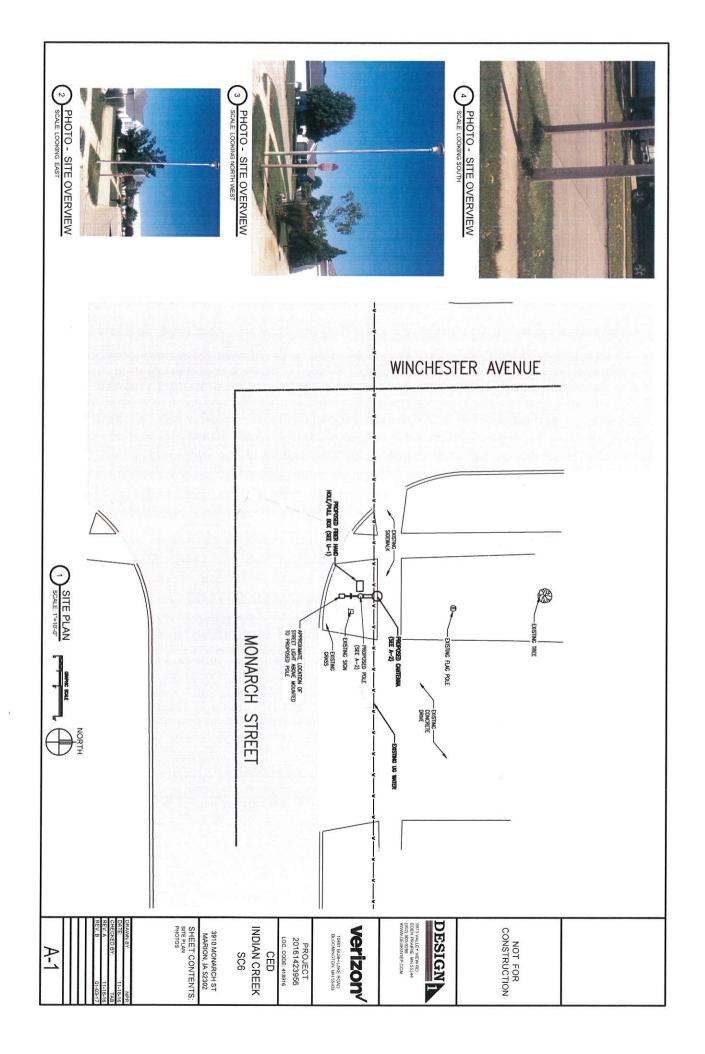


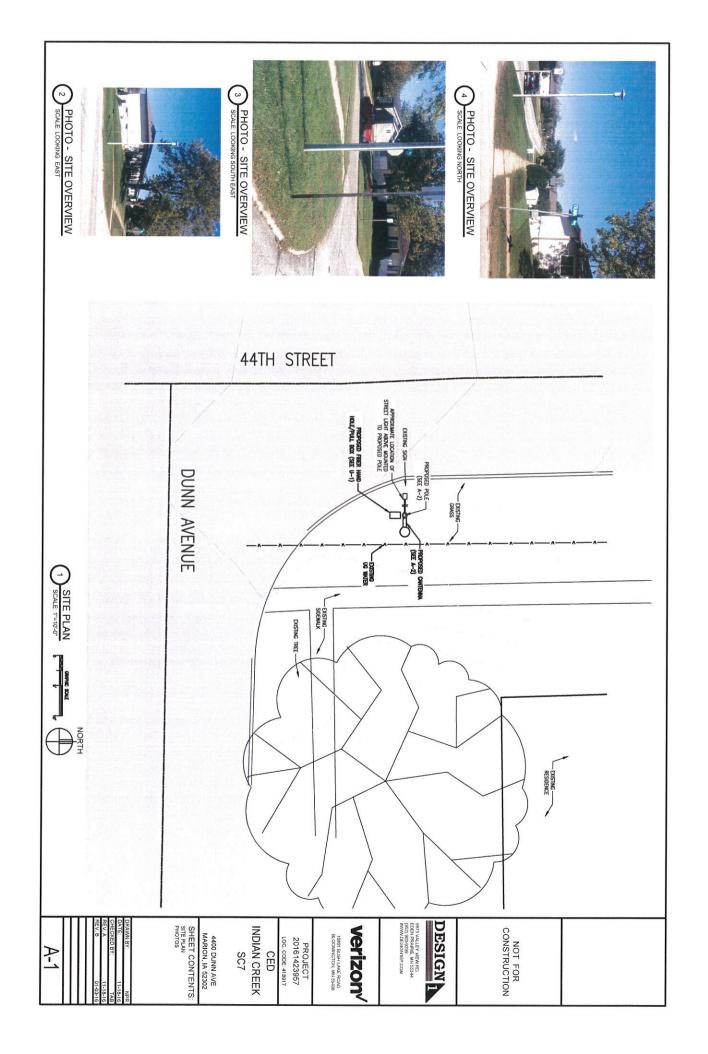
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195 35th Street Marion, lowa 52302 www.cityofmarion.org

Council Memo

DATE: February 3, 2017

TO: Mayor, City Council Members **CC:** Lon Pluckhahn, City Manager

FROM: Ryan Miller, Public Services Director **RE:** Council Agenda Items- Work Session

Exhibit(s):

B.2 Discussion regarding Eco Industrial Park

For the February 3, 2017 City Council work session, information will be presented to the City Council regarding the proposed finance strategies for the Eco Industrial Park and related equipment.

The Public Services Department has been facilitating plans for improvements that include the construction of new facilities that will allow for vehicle maintenance and equipment storage. The proposed infrastructure is designed around energy models that will allow for the improvements to be completed at a long term cost savings to the city. As proposed, the project facilitates the transition of equipment and vehicles to an alternative fuel platform that will allow for long term energy savings.

PRELIMINARY DRAFT

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Road Use	GI A						2017-2018	2018-2019	2019-2020					
Division	Chassis		YEAR PURCHASED											-
11 Road Use	2001 Intl 2 1/2 Dump #56	92500			CLASS 7	8.9L CNG	195,000.00							
11 Road Use	2002 Sterling 2 1/2T Dump #53	72000			CLASS 7	8.9L CNG	195,000.00							-
11 Road Use	2003 Sterling L7500 Dump #57	76100	Dec-02		CLASS 7	8.9L CNG	195,000.00							-
11 Road Use	2004 Sterling L7500 Dump #58	00000	1/1/0005		CLASS 7	8.9L CNG	195,000.00							-
11 Road Use	2005 Sterling 2 1/2 t. Dump #52	88000			CLASS 7	8.9L CNG	195,000.00							
11 Road Use	2006 Sterling 2 1/2 ton #51	97,000			CLASS 7	8.9L CNG	195,000.00							-
11 Road Use	2007 International tandem #50	120,230			CLASS 7	8.9L CNG	195,000.00					-		
111 Road Use	2009 Intl 7400 Tandem Dump #55	116,340			CLASS 7	8.9L CNG	195,000.00							-
111 Road Use	2009 Intl 7400 Tandem Dump #59	120000			CLASS 7	8.9L CNG	195,000.00							
111 Road Use	2011 Intl 7400 Tandem Dump #60	(2.05)	Feb-12		CLASS 7	8.9L CNG	195,000.00		-					-
11 Road Use	1996 Ford LN8000 tandem #54	63,056	Jun-05	12	CLASS 7	8.9L CNG	195,000.00							
				-		TOTAL	2,145,000.00							
						TRADE IN VALUE	\$600,000.00		-					
						AQCUISITION TOTAL	1,545,000.00							
										-		-	_	-
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TVISION	Chassis	1	TEARTURCHASED	LIFECICLE	CHASSIS SPEC	ENG SPEC	SI:	l)	I			E	1	1
111 Road Use	Tymco 600 Sweeper #32	162,880.00	2012	12 ~	CLASS 6	8.9L CNG	265,000.00	Í	Ĭ.	1 1	T.	Ĺ	1	1
111 Road Use	Tymco 600 Sweeper #32	162,880.00	2012		CLASS 6	8.9L CNG	265,000.00					-		
111 Road Use	1990 Ford E350 Van #8 (Painter)	65855			CLASS 6	8.9L CNG	225,000.00						_	
111 Road Use	2005 Ford F-350 boom truck #7	75,000			CLASS 6/7	8.9L CNG	150,000.00							-
TT Ttodd OSC	2003 FORT 330 BOOM RUCK #7	73,000	1 00-00	12	CLASS OF T	TOTAL	905,000.00							
						TRADE IN VALUE	210,000.00						_	
						AQCUISITION TOTAL	695,000.00							
						AQUISITION TOTAL	0,5,000.00							
PUBLIC SERVICE	CES ALTERNATIVE FUELS PROJECT	COMPRESSI	ED NATURAL GAS CH											
Road Use	CES METERIAL MITTER CEES TROUBET			ASSIS PROFIL	F	MEDIUM DUTY								
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	Chassis	100	N		87	*	2017-2018	2018-2019	2019-2020					
Division	Chassis 2007 Ford F-250 w/ plow/lift #40		YEAR PURCHASED	LIFE CYCLE	CHASSIS SPEC	ENG SPEC		2018-2019	2019-2020					
Division 111 Road Use	2007 Ford F-250 w/ plow/lift #40	34,135	YEAR PURCHASED Aug-06	LIFE CYCLE	CHASSIS SPEC CLASS 6/7	ENG SPEC 8.9L CNG	175,000.00	2018-2019	2019-2020					
Division 111 Road Use 111 Road Use	2007 Ford F-250 w/ plow/lift #40 2009 F350 1 Ton Dump Truck #41	34,135 39,433	YEAR PURCHASED Aug-06 Oct-08	LIFE CYCLE 12 12	CHASSIS SPEC CLASS 6/7 CLASS 6/7	ENG SPEC 8.9L CNG 8.9L CNG	175,000.00 175,000.00	2018-2019	2019-2020					
Division 111 Road Use 111 Road Use 111 Road Use	2007 Ford F-250 w/ plow/lift #40 2009 F350 1 Ton Dump Truck #41 2006 Ford F-350 1 ton w/plow #49	34,135 39,433 33,372	YEAR PURCHASED Aug-06 Oct-08 Dec-05	12 12 12 12	CHASSIS SPEC CLASS 6/7 CLASS 6/7 CLASS 6/7	ENG SPEC 8.9L CNG 8.9L CNG 8.9L CNG	175,000.00 175,000.00 175,000.00	2018-2019	2019-2020					
Division I11 Road Use	2007 Ford F-250 w/ plow/lift #40 2009 F350 1 Ton Dump Truck #41 2006 Ford F-350 1 ton w/plow #49 1998 Dodge 4x4 w plow #39	34,135 39,433 33,372 20338	YEAR PURCHASED Aug-06 Oct-08 Dec-05 Jul-98	12 12 12 12 12	CHASSIS SPEC CLASS 6/7 CLASS 6/7 CLASS 6/7 CLASS 6/7	ENG SPEC 8.9L CNG 8.9L CNG 8.9L CNG 8.9L CNG	175,000.00 175,000.00 175,000.00 175,000.00	2018-2019	2019-2020					
Division ITT Road Use	2007 Ford F-250 w/ plow/lift #40 2009 F350 1 Ton Dump Truck #41 2006 Ford F-350 1 ton w/plow #49 1998 Dodge 4x4 w plow #39 2003 Ford F-350 w/ utility box #42	34,135 39,433 33,372 20338 30400	YEAR PURCHASED Aug-06 Oct-08 Dec-05 Jul-98 12/2/2002	12 12 12 12 12 12	CHASSIS SPEC CLASS 6/7 CLASS 6/7 CLASS 6/7 CLASS 6/7 CLASS 6/7	ENG SPEC 8.9L CNG 8.9L CNG 8.9L CNG 8.9L CNG 8.9L CNG	175,000.00 175,000.00 175,000.00 175,000.00 175,000.00	2018-2019	2019-2020					
Division ITT Road Use	2007 Ford F-250 w/ plow/lift #40 2009 F350 1 Ton Dump Truck #41 2006 Ford F-350 1 ton w/plow #49 1998 Dodge 4x4 w plow #39 2003 Ford F-350 w/ utility box #42 2004 Ford F350 w util box #45	34,135 39,433 33,372 20338 30400 32,895	YEAR PURCHASED Aug-06 Oct-08 Dec-05 Jul-98 12/2/2002 9/1/2003	12 12 12 12 12 12 12 12	CHASSIS SPEC CLASS 6/7 CLASS 6/7 CLASS 6/7 CLASS 6/7 CLASS 6/7 CLASS 6/7	ENG SPEC 8.9L CNG 8.9L CNG 8.9L CNG 8.9L CNG 8.9L CNG 8.9L CNG	175,000.00 175,000.00 175,000.00 175,000.00 175,000.00 175,000.00	2018-2019	2019-2020					
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Division I 11 Road Use	2007 Ford F-250 w/ plow/lift #40 2009 F350 1 Ton Dump Truck #41 2006 Ford F-350 1 ton w/plow #49 1998 Dodge 4x4 w plow #39 2003 Ford F-350 w/ utility box #42 2004 Ford F350 w util box #45	34,135 39,433 33,372 20338 30400 32,895	YEAR PURCHASED Aug-06 Oct-08 Dec-05 Jul-98 12/2/2002 9/1/2003	12 12 12 12 12 12 12 12	CHASSIS SPEC CLASS 6/7 CLASS 6/7 CLASS 6/7 CLASS 6/7 CLASS 6/7 CLASS 6/7	ENG SPEC 8.9L CNG TOTAL	175,000.00 175,000.00 175,000.00 175,000.00 175,000.00 175,000.00 175,000.00 1,225,000.00	2018-2019	2019-2020					
Division I 11 Road Use	2007 Ford F-250 w/ plow/lift #40 2009 F350 1 Ton Dump Truck #41 2006 Ford F-350 1 ton w/plow #49 1998 Dodge 4x4 w plow #39 2003 Ford F-350 w/ utility box #42 2004 Ford F350 w util box #45	34,135 39,433 33,372 20338 30400 32,895	YEAR PURCHASED Aug-06 Oct-08 Dec-05 Jul-98 12/2/2002 9/1/2003	12 12 12 12 12 12 12 12	CHASSIS SPEC CLASS 6/7 CLASS 6/7 CLASS 6/7 CLASS 6/7 CLASS 6/7 CLASS 6/7	ENG SPEC 8.9L CNG TOTAL TRADE IN VALUE	175,000.00 175,000.00 175,000.00 175,000.00 175,000.00 175,000.00 175,000.00 1,225,000.00 120,000.00	2018-2019	2019-2020					
Division ITT Road Use	2007 Ford F-250 w/ plow/lift #40 2009 F350 1 Ton Dump Truck #41 2006 Ford F-350 1 ton w/plow #49 1998 Dodge 4x4 w plow #39 2003 Ford F-350 w/ utility box #42 2004 Ford F350 w util box #45	34,135 39,433 33,372 20338 30400 32,895	YEAR PURCHASED Aug-06 Oct-08 Dec-05 Jul-98 12/2/2002 9/1/2003	12 12 12 12 12 12 12 12	CHASSIS SPEC CLASS 6/7 CLASS 6/7 CLASS 6/7 CLASS 6/7 CLASS 6/7 CLASS 6/7	ENG SPEC 8.9L CNG TOTAL	175,000.00 175,000.00 175,000.00 175,000.00 175,000.00 175,000.00 175,000.00 1,225,000.00	2018-2019	2019-2020					
Division ITT Road Use	2007 Ford F-250 w/ plow/lift #40 2009 F350 1 Ton Dump Truck #41 2006 Ford F-350 1 ton w/plow #49 1998 Dodge 4x4 w plow #39 2003 Ford F-350 w/ utility box #42 2004 Ford F350 w util box #45	34,135 39,433 33,372 20338 30400 32,895	YEAR PURCHASED Aug-06 Oct-08 Dec-05 Jul-98 12/2/2002 9/1/2003	12 12 12 12 12 12 12 12 12	CHASSIS SPEC CLASS 6/7	ENG SPEC 8.9L CNG 8.9L CNG 8.9L CNG 8.9L CNG 8.9L CNG 8.9L CNG TOTAL TRADE IN VALUE AQCUISITION TOTAL	175,000.00 175,000.00 175,000.00 175,000.00 175,000.00 175,000.00 175,000.00 1,225,000.00 1,20,000.00 1,105,000.00	2018-2019	2019-2020					
Division III Road Use	2007 Ford F-250 w/ plow/lift #40 2009 F350 1 Ton Dump Truck #41 2006 Ford F-350 1 ton w/plow #49 1998 Dodge 4x4 w plow #39 2003 Ford F-350 w/ utility box #42 2004 Ford F350 w util box #45 2005 Chev 1 t Dump w/ plpow #46	34,135 39,433 33,372 20338 30400 32,895	YEAR PURCHASED Aug-06 Oct-08 Dec-05 Jul-98 12/2/2002 9/1/2003	12 12 12 12 12 12 12 12 12	CHASSIS SPEC CLASS 6/7 TOTAL ROAD U	ENG SPEC 8.9L CNG 8.9L CNG 8.9L CNG 8.9L CNG 8.9L CNG 8.9L CNG TOTAL TRADE IN VALUE AQCUISITION TOTAL USE AQCUISITION	175,000.00 175,000.00 175,000.00 175,000.00 175,000.00 175,000.00 175,000.00 1,20,000.00 1,20,000.00 1,105,000.00 3,345,000.00	2018-2019	2019-2020					
Division III Road Use	2007 Ford F-250 w/ plow/lift #40 2009 F350 1 Ton Dump Truck #41 2006 Ford F-350 1 ton w/plow #49 1998 Dodge 4x4 w plow #39 2003 Ford F-350 w/ utility box #42 2004 Ford F350 w util box #45 2005 Chev 1 t Dump w/ plpow #46	34,135 39,433 33,372 20338 30400 32,895	YEAR PURCHASED Aug-06 Oct-08 Dec-05 Jul-98 12/2/2002 9/1/2003	12 12 12 12 12 12 12 12 12	CHASSIS SPEC CLASS 6/7 TOTAL ROAD U	ENG SPEC 8.9L CNG 8.9L CNG 8.9L CNG 8.9L CNG 8.9L CNG 8.9L CNG TOTAL TRADE IN VALUE AQCUISITION TOTAL	175,000.00 175,000.00 175,000.00 175,000.00 175,000.00 175,000.00 175,000.00 1,225,000.00 1,20,000.00 1,105,000.00	2018-2019	2019-2020					
Division III Road Use	2007 Ford F-250 w/ plow/lift #40 2009 F350 1 Ton Dump Truck #41 2006 Ford F-350 1 ton w/plow #49 1998 Dodge 4x4 w plow #39 2003 Ford F-350 w/ utility box #42 2004 Ford F350 w util box #45 2005 Chev 1 t Dump w/ plpow #46	34,135 39,433 33,372 20338 30400 32,895	YEAR PURCHASED Aug-06 Oct-08 Dec-05 Jul-98 12/2/2002 9/1/2003	12 12 12 12 12 12 12 12 12	CHASSIS SPEC CLASS 6/7 TOTAL ROAD U	ENG SPEC 8.9L CNG 8.9L CNG 8.9L CNG 8.9L CNG 8.9L CNG 8.9L CNG TOTAL TRADE IN VALUE AQCUISITION TOTAL USE AQCUISITION	175,000.00 175,000.00 175,000.00 175,000.00 175,000.00 175,000.00 175,000.00 1,225,000.00 1,20,000.00 1,105,000.00 3,345,000.00 1,000,000.00	2018-2019	2019-2020					
Division I 11 Road Use	2007 Ford F-250 w/ plow/lift #40 2009 F350 1 Ton Dump Truck #41 2006 Ford F-350 1 ton w/plow #49 1998 Dodge 4x4 w plow #39 2003 Ford F-350 w/ utility box #42 2004 Ford F350 w util box #45 2005 Chev 1 t Dump w/ plpow #46	34,135 39,433 33,372 20338 30400 32,895	YEAR PURCHASED Aug-06 Oct-08 Dec-05 Jul-98 12/2/2002 9/1/2003	12 12 12 12 12 12 12 12 12	CHASSIS SPEC CLASS 6/7 TOTAL ROAD U	ENG SPEC 8.9L CNG 8.9L CNG 8.9L CNG 8.9L CNG 8.9L CNG 8.9L CNG TOTAL TRADE IN VALUE AQCUISITION TOTAL USE AQCUISITION	175,000.00 175,000.00 175,000.00 175,000.00 175,000.00 175,000.00 175,000.00 1,20,000.00 1,20,000.00 1,105,000.00 3,345,000.00	2018-2019	2019-2020					
Division 11 Road Use	2007 Ford F-250 w/ plow/lift #40 2009 F350 1 Ton Dump Truck #41 2006 Ford F-350 1 ton w/plow #49 1998 Dodge 4x4 w plow #39 2003 Ford F-350 w/ utility box #42 2004 Ford F350 w util box #45 2005 Chev 1 t Dump w/ plpow #46	34,135 39,433 33,372 20338 30400 32,895	YEAR PURCHASED Aug-06 Oct-08 Dec-05 Jul-98 12/2/2002 9/1/2003	12 12 12 12 12 12 12 12 12	CHASSIS SPEC CLASS 6/7 TOTAL ROAD U	ENG SPEC 8.9L CNG 8.9L CNG 8.9L CNG 8.9L CNG 8.9L CNG 8.9L CNG TOTAL TRADE IN VALUE AQCUISITION TOTAL USE AQCUISITION	175,000.00 175,000.00 175,000.00 175,000.00 175,000.00 175,000.00 175,000.00 1,225,000.00 1,20,000.00 1,105,000.00 3,345,000.00 1,000,000.00	2018-2019	2019-2020					
Division ITT Road Use	2007 Ford F-250 w/ plow/lift #40 2009 F350 1 Ton Dump Truck #41 2006 Ford F-350 1 ton w/plow #49 1998 Dodge 4x4 w plow #39 2003 Ford F-350 w/ utility box #42 2004 Ford F350 w util box #45 2005 Chev 1 t Dump w/ plpow #46	34,135 39,433 33,372 20338 30400 32,895	YEAR PURCHASED Aug-06 Oct-08 Dec-05 Jul-98 12/2/2002 9/1/2003	12 12 12 12 12 12 12 12 12	CHASSIS SPEC CLASS 6/7 TOTAL ROAD U	ENG SPEC 8.9L CNG 8.9L CNG 8.9L CNG 8.9L CNG 8.9L CNG 8.9L CNG TOTAL TRADE IN VALUE AQCUISITION TOTAL USE AQCUISITION	175,000.00 175,000.00 175,000.00 175,000.00 175,000.00 175,000.00 175,000.00 1,225,000.00 1,20,000.00 1,105,000.00 3,345,000.00 1,000,000.00	2018-2019	2019-2020					
Division I 11 Road Use	2007 Ford F-250 w/ plow/lift #40 2009 F350 1 Ton Dump Truck #41 2006 Ford F-350 1 ton w/plow #49 1998 Dodge 4x4 w plow #39 2003 Ford F-350 w/ utility box #42 2004 Ford F350 w util box #45 2005 Chev 1 t Dump w/ plpow #46	34,135 39,433 33,372 20338 30400 32,895	YEAR PURCHASED Aug-06 Oct-08 Dec-05 Jul-98 12/2/2002 9/1/2003	12 12 12 12 12 12 12 12 12	CHASSIS SPEC CLASS 6/7 TOTAL ROAD U	ENG SPEC 8.9L CNG 8.9L CNG 8.9L CNG 8.9L CNG 8.9L CNG 8.9L CNG TOTAL TRADE IN VALUE AQCUISITION TOTAL USE AQCUISITION	175,000.00 175,000.00 175,000.00 175,000.00 175,000.00 175,000.00 175,000.00 1,225,000.00 1,20,000.00 1,105,000.00 3,345,000.00 1,000,000.00	2018-2019	2019-2020					

PRELIMINARY DRAFT

1 010011	RION											
	CES ALTERNATIVE FUELS PROJECT	COMPRESSI	ED NATURAL GAS CHA	ASSIS PROFILI	<u>C</u>	HEAVY DUTY						
LID WASTE							2017-2018	2018-2019	2019-2020			
vision	Chassis		YEAR PURCHASED		CHASSIS SPEC	ENG SPEC						
Solid Waste	2004 Freightliner #75	106,000		12	CLASS 7	8.9L CNG	325,000.00					
5 Solid Waste	2005 International #73	113,700			CLASS 7	8.9L CNG	300,000.00					
5 Solid Waste	2012 International #78	136,000			CLASS 7	8.9L CNG	300,000.00					
5 Solid Waste	2006 Freightliner M-2 split #76	126,200			CLASS 7	8.9L CNG	300,000.00					
5 Solid Waste	2006 Freightliner M-2 #77	120,300		12	CLASS 7	8.9L CNG	300,000.00					
5 Solid Waste	2007 International 7400 yard #74	128,000		12	CLASS 7	8.9L CNG	300,000.00					
5 Solid Waste	2009 International/LaBrie #72	139,900	Sep-08	12	CLASS 7	8.9L CNG	300,000.00					
5 Solid Waste	2012 International #79	225,890.00	12-Apr	12	CLASS 7	8.9L CNG	300,000.00					
								(300,000.	00)			
5 Solid Waste	2003 Sterling L7500 Hook Trck #70	54,000	Jan-03	12	CLASS 7	8.9L CNG	150,000.00					
						TOTAL	2,575,000.00					
						TRADE IN VALUE	400,000.00					
						AQCUISITION TOTAL	2,175,000.00					
	er er											
BLIC SERVICE	CES ALTERNATIVE FUELS PROJECT	COMPRESSI	ED NATURAL GAS CHA	SSIS PROFILI		HEAVY DUTY						
LID WASTE							2017-2018	2018-2019	2019-2020			
vision	Chassis		YEAR PURCHASED	LIFE CYCLE	CHASSIS SPEC	ENG SPEC						
	2006 Freightliner Rear Loader #71	84,870	Sep-06	12	CLASS 6/7	8.9L CNG	175,000.00					
	2000 Freightimer Rear Loader #71											
	2006 Ford F-350 w/ lift gate #13	27,000		- 12	CLASS 6/7	8.9L CNG	100,000.00					
		27,000		_ 12	CLASS 6/7	8.9L CNG TOTAL	100,000.00 275,000.00					
5 Solid Waste		27,000		- 12	CLASS 6/7					2		
		27,000		- 12	CLASS 6/7	TOTAL	275,000.00					
		27,000		- 12	CLASS 6/7	TOTAL TRADE IN VALUE	275,000.00 30,000.00					
		27,000		- 12	CLASS 6/7	TOTAL TRADE IN VALUE	275,000.00 30,000.00					
		27,000			CLASS 6/7 D WASTE AQCUISI	TOTAL TRADE IN VALUE AQCUISITION TOTAL	275,000.00 30,000.00					
		27,000		TOTAL SOLIE		TOTAL TRADE IN VALUE AQCUISITION TOTAL TION	275,000.00 30,000.00 245,000.00					
		27,000		TOTAL SOLIE) WASTE AQCUISI	TOTAL TRADE IN VALUE AQCUISITION TOTAL TION	275,000.00 30,000.00 245,000.00 2,420,000.00					
		27,000		TOTAL SOLIE) WASTE AQCUISI	TOTAL TRADE IN VALUE AQCUISITION TOTAL TION	275,000.00 30,000.00 245,000.00 2,420,000.00					
		27,000		TOTAL SOLIE) WASTE AQCUISI	TOTAL TRADE IN VALUE AQCUISITION TOTAL TION LACEMENT	275,000.00 30,000.00 245,000.00 2,420,000.00 250,000					
		27,000		TOTAL SOLIE) WASTE AQCUISI	TOTAL TRADE IN VALUE AQCUISITION TOTAL TION LACEMENT	275,000.00 30,000.00 245,000.00 2,420,000.00 250,000					
		27,000		TOTAL SOLIE) WASTE AQCUISI	TOTAL TRADE IN VALUE AQCUISITION TOTAL TION LACEMENT	275,000.00 30,000.00 245,000.00 2,420,000.00 250,000					

PRELIMINARY DRAFT

MAR Public Se	ION ervices											
PUBLIC SERVIC	CES ALTERNATIVE FUELS PROJECT	COMPRESSED NA	ATURAL GAS CHAS	SIS PROFILE		HEAVY DUTY						
SOLID WASTE							2017-2018	2018-2019	2019-2020			
Division	Chassis	YEAL	R PURCHASED	LIFE CYCLE	CHASSIS SPEC	ENG SPEC						
610 Sanitary Sewer	2002 Dodge 3500 #47	29,000	12/1/2001	12	CLASS 6/7	8.9L CNG	175,000.00					
610 Sanitary Sewer	2006 Chevy 1 ton w/plow #48	32,000	Nov-05	12	CLASS 6/7	8.9L CNG	175,000.00					
610 Sanitary Sewer	1996 Ford D 350 #16 TV Van	75,900	1996	12	CLASS 6/7	8.9L CNG	150,000.00					
610 Sanitary Sewer	2009 Ford F350 w/ service box #43	34,100	Oct-08	12	CLASS 6/7	8.9L CNG	175,000.00					
610 Sanitary Sewer	2010 Vac Con Sewer Jet #12	135,753	Dec-01	10	CLASS 7	8.9L CNG	1.00		350,000			
610 Sanitary Sewer	1996 Ford LN8000 tandem #54	63,056	Jun-05	12	CLASS 7	8.9L CNG	195,000.00					
#							870,001.00	AQCUISIT	ION TOTAL			
							100,800.00	ANNUAL L	EASE CERTIFICAT	E PAYMENT (3% (@ 10 YEARS)	