

Application to Commit
Energy Efficiency/Peak Demand
Reduction Programs
(Mercantile Customers Only)

Case No.: 13-1346 -EL-EEC

Mercantile Customer:

City of Toledo

Electric Utility:

The Toledo Edison Company

Program Title or

LED Traffic Light Replacement

Description:

Rule 4901:1-39-05(F), Ohio Administrative Code (O.A.C.), permits a mercantile customer to file, either individually or jointly with an electric utility, an application to commit the customer's existing demand reduction, demand response, and energy efficiency programs for integration with the electric utility's programs. The following application form is to be used by mercantile customers, either individually or jointly with their electric utility, to apply for commitment of such programs in accordance with the Commission's pilot program established in Case No. <u>10-834-EL-POR</u>

Completed applications requesting the cash rebate reasonable arrangement option (Option 1) in lieu of an exemption from the electric utility's energy efficiency and demand reduction (EEDR) rider will be automatically approved on the sixty-first calendar day after filing, unless the Commission, or an attorney examiner, suspends or denies the application prior to that time. Completed applications requesting the exemption from the EEDR rider (Option 2) will also qualify for the 60-day automatic approval so long as the exemption period does not exceed 24 months. Rider exemptions for periods of more than 24 months will be reviewed by the Commission Staff and are only approved up the issuance of a Commission order.

Complete a separate application for each customer program. Projects undertaken by a customer as a single program at a single location or at various locations within the same service territory should be submitted together as a single program filing, when possible. Check all boxes that are applicable to your program. For each box checked, be sure to complete all subparts of the question, and provide all requested additional information. Submittal of incomplete applications may result in a suspension of the automatic approval process or denial of the application.

Any confidential or trade secret information may be submitted to Staff on disc or via email at <u>ee-pdr@puc.state.oh.us</u>.

Section 1: Mercantile Customer Information

Name:City of Toledo Principal address: 555 N Expressway Dr Toledo OH 43608 Address of facility for which this energy efficiency program applies:See Exhibit 1 Name and telephone number for responses to questions: Dan Dumond, 614-949-5203 Electricity use by the customer (check the box(es) that apply): The customer uses more than seven hundred thousand kilowatt hours per year at the above facility. (Please attach documentation.) The customer is part of a national account involving multiple facilities in one or more states. (Please attach documentation.) Section 2: Application Information A) The customer is filing this application (choose which applies): Individually, without electric utility participation. ☐ Jointly with the electric utility. The electric utility is: The Toledo Edison Company B) The customer is offering to commit (check any that apply): C) Energy savings from the customer's energy efficiency program. (Complete Sections 3, 5, 6, and 7.) Capacity savings from the customer's demand response/demand reduction program. (Complete Sections 4, 5, 6, and 7.) Both the energy savings and the capacity savings from the customer's energy efficiency program. (Complete all sections of the Application.)

Section 3: Energy Efficiency Programs

A)	The	customer's energy efficiency program involves (check those that apply):
		Early replacement of fully functioning equipment with new equipment. (Provide the date on which the customer replaced fully functioning equipment, and the date on which the customer would have replaced such equipment if it had not been replaced early. Please include a brief explanation for how the customer determined this future replacement date (or, if not known, please explain why this is not known)). If Checked, Please see Exhibit 1 and Exhibit 2
		Installation of new equipment to replace equipment that needed to be replaced The customer installed new equipment on the following date(s):
		Installation of new equipment for new construction or facility expansion. The customer installed new equipment on the following date(s):

		Behavioral or operational improvement.
В)	Ene	rgy savings achieved/to be achieved by the energy efficiency program:
	1)	If you checked the box indicating that the project involves the early replacement of fully functioning equipment replaced with new equipment, then calculate the annual savings [(kWh used by the original equipment) – (kWh used by new equipment) = (kWh per year saved)]. Please attach your calculations and record the results below:
		Annual savings: 5,706,868 kWh
	2)	If you checked the box indicating that the customer installed new equipment to replace equipment that needed to be replaced, then calculate the annual savings [(kWh used by less efficient new equipment) – (kWh used by the higher efficiency new equipment) = (kWh per year saved)]. Please attach your calculations and record the results below:
		Annual savings: kWh
		Please describe any less efficient new equipment that was rejected in favor of the more efficient new equipment. Please see Exhibit 1 if applicable

3) If you checked the box indicating that the project involves equipment for new construction or facility expansion, then calculate the annual savings [(kWh used by less efficient new equipment) – (kWh used by higher efficiency new equipment) = (kWh per year saved)]. Please attach your calculations and record the results below:

Annual savings:	kWl	ı
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Please describe the less efficient new equipment that was rejected in favor of the more efficient new equipment. Please see Exhibit 1 if applicable

4) If you checked the box indicating that the project involves behavioral or operational improvements, provide a description of how the annual savings were determined.

Section 4: Demand Reduction/Demand Response Programs

A)	The	customer's program involves (check the one that applies):
		Coincident peak-demand savings from the customer's energy efficiency program.
		Actual peak-demand reduction. (Attach a description and documentation of the peak-demand reduction.)
		Potential peak-demand reduction (check the one that applies):
		The customer's peak-demand reduction program meets the requirements to be counted as a capacity resource under a tariff of a regional transmission organization (RTO) approved by the Federal Energy Regulatory Commission.
		The customer's peak-demand reduction program meets the requirements to be counted as a capacity resource under a program that is equivalent to an RTO program, which has been approved by the Public Utilities Commission of Ohio.
B)	On	what date did the customer initiate its demand reduction program?
		·
C)		at is the peak demand reduction achieved or capable of being achieved ow calculations through which this was determined):
		kW

Section 5: Request for Cash Rebate Reasonable Arrangement (Option 1) or Exemption from Rider (Option 2)

Under this section, check the box that applies and fill in all blanks relating to that choice.

Note: If Option 2 is selected, the application will not qualify for the 60-day automatic approval. All applications, however, will be considered on a timely basis by the Commission.

A)	The custon	ner is applying for:									
	Option 1: A cash rebate reasonable arrangement.										
	OR										
	Option mech	on 2: An exemption from the energy efficiency cost recovery anism implemented by the electric utility.									
	OR										
	Comr	nitment payment									
B)	The value	of the option that the customer is seeking is:									
	Option 1:	A cash rebate reasonable arrangement, which is the lesser of (show both amounts):									
		A cash rebate of \$150,060. (Rebate shall not exceed 50% project cost. Attach documentation showing the methodology used to determine the cash rebate value and calculations showing how this payment amount was determined.)									
	Option 2:	An exemption from payment of the electric utility's energy efficiency/peak demand reduction rider.									
		An exemption from payment of the electric utility's energy efficiency/peak demand reduction rider for months (not to exceed 24 months). (Attach calculations showing how this time period was determined.)									
		OR									
		A commitment payment valued at no more than \$ (Attach documentation and calculations showing how this payment amount was determined.)									

OR	
Ongoing exemption from payment of the electric utility's energy efficiency/peak demand reduction rider for an initial period of 24 months because this program is part of the customer's ongoing efficiency program. (Attach documentation that establishes the ongoing nature of the program.) In order to continue the exemption beyond the initial 24 month period, the customer will need to provide a future application establishing additional energy savings and the continuance of the organization's energy efficiency program.)	
Section 6: Cost Effectiveness	
The program is cost effective because it has a benefit/cost ratio greater than 1 using the (choose which applies):	he
Total Resource Cost (TRC) Test. The calculated TRC value (Continue to Subsection 1, then skip Subsection 2)	is:
Utility Cost Test (UCT). The calculated UCT value is: See Exhibit 3 (Sk to Subsection 2.)	cip
Subsection 1: TRC Test Used (please fill in all blanks).	
The TRC value of the program is calculated by dividing the value of o avoided supply costs (generation capacity, energy, and any transmission distribution) by the sum of our program overhead and installation costs at any incremental measure costs paid by either the customer or the electroticity.	or nd
The electric utility's avoided supply costs were	
Our program costs were	

-7-Revised June 24, 2011

The incremental measure costs were _____.

Subsection 2: UCT Used (please fill in all blanks).

We calculated the UCT value of our program by dividing the value of our avoided supply costs (capacity and energy) by the costs to our electric utility (including administrative costs and incentives paid or rider exemption costs) to obtain our commitment.

Our avoided supply costs were See Exhibit 3

The utility's program costs were See Exhibit 3

The utility's incentive costs/rebate costs were See Exhibit 3

Section 7: Additional Information

Please attach the following supporting documentation to this application:

- Narrative description of the program including, but not limited to, make, model, and year of any installed and replaced equipment.
- A copy of the formal declaration or agreement that commits the program or measure to the electric utility, including:
 - 1) any confidentiality requirements associated with the agreement;
 - a description of any consequences of noncompliance with the terms of the commitment;
 - 3) a description of coordination requirements between the customer and the electric utility with regard to peak demand reduction;
 - 4) permission by the customer to the electric utility and Commission staff and consultants to measure and verify energy savings and/or peak-demand reductions resulting from your program; and,
 - 5) a commitment by the customer to provide an annual report on your energy savings and electric utility peak-demand reductions achieved.
- A description of all methodologies, protocols, and practices used or proposed to be used in measuring and verifying program results. Additionally, identify and explain all deviations from any program measurement and verification guidelines that may be published by the Commission.

Revised June 24, 2011 -8-



PAMELA A. KNIGHT
Notary Public, State of Ohlo
My Commission Expires 04-11-2016

Application to Commit
Energy Efficiency/Peak Demand
Reduction Programs
(Mercantile Customers Only)

Case No.: 13-1346 -EL-EEC

State o	f Ohig:
qui	Tay Q. Monte, Affiant, being duly sworn according to law, deposes and says that:
1.	I am the duly authorized representative of:
	City of Toledo [insert customer or EDU company name and any applicable name(s) doing business as]
2.	I have personally examined all the information contained in the foregoing application, including any exhibits and attachments. Based upon my examination and inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete.
_	WIND DEALLION OF PUBLIC SENVICEL ure of Affiant & Title
Sworn	and subscribed before me this 12th day of June, 2013 Month/Year Panela A. Knight, Admin Assi. Print Name and Title
Signat	ure of official administering oath Print Name and Title

Site Address: City of Toledo Principal Address: 555 N. Expressway Drive

Project No.	Project Name	Narrative description of your program including, but not limited to, make, model, and year of any installed and replaced equipment:	Description of methodologies, protocols and practices used in measuring and verifying project results	What date would you have replaced your equipment if you had not replaced it early? Also, please explain briefly how you determined this future replacement date.	Please describe the less efficient new equipment that you rejected in favor of the more efficient new equipment.
1	Traffic Signal Replacements	This project includes the replacement of incadescent traffic and pedestrian signals with new LED signals.	Data was gathered from attachments A, B, and C and entered into attachment D to determine savings and rebate.	No known date. Equipment replaced was fully functional at time of replacement with no known obsolescence date. Equipment was replaced to save energy.	N/A

Customer Legal Entity Name: City of Toledo

Site Address: City of Toledo

Principal Address: 555 N. Expressway Drive

	Unadjusted Usage, kwh (A)	Weather Adjusted Usage, kwh (B)	Weather Adjusted Usage with Energy Efficiency Addbacks, kwh (c) Note 1
2011	1,276,055	1,276,055	5,075,422
Average	1,276,055	1,276,055	5,075,422

Proje Numb		In-Service Date	Project Cost \$	50% of Project Cost \$	KWh Saved/Year (D) counting towards utility compliance	KWh Saved/Year (E) eligible for incentive	Utility Peak Demand Reduction Contribution, KW (F)	Prescriptive Rebate Amount (G) \$	Rebate Amount (H) \$ Note 2
1	Traffic Signal Replacements	05/03/2011	\$430,071	\$215,036	5,706,868	5,706,868	-	\$200,080	\$150,060
					-	-	-		
					-		-		
					-	-	-		
							-		
					-	-	-		
					-	-	-		
		Total	\$430,071		5,706,868	5,706,868	0	\$200,080	\$150,060

Fligible

Docket No. 13-1346

Site: 555 N. Expressway Drive

Notes

(2) The eligible rebate amount is based upon 75% of the rebates offered by the FirstEnergy Commercial and Industrial Energy Efficiency programs or 75% of \$0.08/kWh for custom programs for all energy savings eligible for a cash rebate as defined in the PUCO order in Case NO.10-834-EL-EEC dated 9/15/2010, not to exceed the lesser of 50% of the project cost or \$250,000 per project. The rebate also cannot exceed \$500,000 per customer per year, per utility service territory.

⁽¹⁾ Customer's usage is adjusted to account for the effects of the energy efficiency programs included in this application. When applicable, such adjustments are prorated to the in-service date to account for partial year savings.



Exhibit 3 Utility Cost Test

UCT = Utility Avoided Costs / Utility Costs

Project	Total Annual Savings, MWh	Utility Avoided Cost \$/MWh	Utility Avoided Cost \$	Utility Cost \$	Cash Rebate \$	Administrator Variable Fee \$	Total Utility Cost \$	UCT
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
1	5,707	\$ 308	\$ 1,759,313	\$ 4,050	\$150,060	\$29,267	\$ 183,377	9.6

Total	5.707	\$	308	1,759,313	4.050	\$150.060	\$29.267	183.377	9.6
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Notes

- (A) From Exhibit 2, = kWh saved / 1000
- (B) This value represents avoided energy costs (wholesale energy prices) from the Department of Energy, Energy Information Administration's 2009 Annual Energy Outlook (AEO) low oil prices case. The AEO represents a national average energy price, so for a better representation of the energy price that Ohio customers would see, a Cinergy Hub equivalent price was derived by applying a ratio based on three years of historic national average and Cinergy Hub prices. This value is consistent with avoided cost assumptions used in EE&PDR Program Portfolio and Initial Benchmark Report, filed Dec 15, 2009 (See Section 8.1, paragraph a).
- (C) = (A) * (B)
- (D) Represents the utility's costs incurred for self-directed mercantile applications for applications filed and applications in progress. Includes incremental costs of legal fees, fixed administrative expenses, etc.
- (E) This is the amount of the cash rebate paid to the customer for this project.
- (F) Based on approximate Administrator's variable compensation for purposes of calculating the UCT, actual compensation may be less.
- (G) = (D) + (E) + (F)
- (H) = (C) / (G)

City of Toledo ~ City of Toledo Docket No. 13-1346

Site: 555 N. Expressway Drive

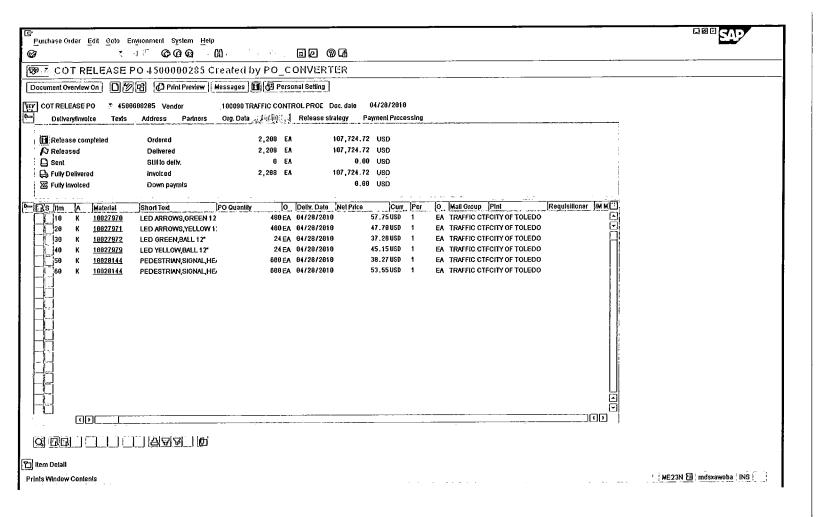
1 Adams <franklin &="" 17th<="" th=""><th>Pre Fixture Quantity Pre A</th><th></th><th>/Yellow Green Incandescent Unit</th><th>Fixture Quow U</th><th>nit Proposed Fixture Type I 0 12" Red/Yellow/Green LED Unit</th><th>s 45.00</th><th>Fotal Incentive \$ 405.00</th><th>kWh/unit kW 1238</th><th>h Arrows</th></franklin>	Pre Fixture Quantity Pre A		/Yellow Green Incandescent Unit	Fixture Quow U	nit Proposed Fixture Type I 0 12" Red/Yellow/Green LED Unit	s 45.00	Fotal Incentive \$ 405.00	kWh/unit kW 1238	h Arrows
2 3 Airport & Byrn	9 11	0 Incande	escent Pedestrian Signals I/Yellow Green Incandescent Unit	9	0 LED Pedestrial Signals 8 12" Red/Yellow/Green LED Unit	\$ 25.00 \$ 45.00	\$ 225.00 \$ 855.00	946 1238	0 1208
4	8	0 Incande	escent Pedestrian Signals	8	0 LED Pedestrial Signals	\$ 25.00	\$ 200.00	946	0
5 Airport, Detroit & Fearing 6	10 10		I/Yellow Green Incandescent Unit escent Pedestrian Signals	10 10	1 12" Red/Yellow/Green LED Unit : 0 LED Pedestrial Signals :	\$ 45.00 \$ 25.00	\$ 495.00 \$ 250.00	1238 946	151 0
7 South	10 2		I/Yellow Green Incandescent Unit	10 2	0 12" Red/Yellow/Green LED Unit 0 LED Pedestrial Signals	\$ 45.00 \$ 25.00	\$ 450.00 \$ 50.00	1238 946	0
9 Airpot & St. Charles School	4	0 12" Red	/Yellow Green Incandescent Unit	4	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 180.00	1238	0
10 11 Albion, AMC & Central	2 9	0 Incande 1 12" Red	escent Pedestrian Signals I/Yellow Green Incandescent Unit	2 9	0 LED Pedestrial Signals 1 12" Red/Yellow/Green LED Unit	\$ 25.00 \$ 45.00	\$ 50.00 \$ 450.00	946 1238	0 151
12 13 Alexis & Benore Furtura	8	0 Incande	escent Pedestrian Signals I/Yellow Green Incandescent Unit	8 9	0 LED Pedestrial Signals 2 12" Red/Yellow/Green LED Unit	\$ 25.00 \$ 45.00	\$ 200.00 \$ 495.00	946 1238	0 302
14	6	0 Incande	escent Pedestrian Signals	6	0 LED Pedestrial Signals	\$ 25.00	\$ 150.00	946	0
15 Alexis, Benore & Enterprise 16	8		I/Yellow Green Incandescent Unit escent Pedestrian Signals	8	0 12" Red/Yellow/Green LED Unit : 0 LED Pedestrial Signals :	\$ 45.00 \$ 25.00	\$ 360.00 \$ -	1238 946	0
17 Alexis, E. Harbor & Suder 18	9	0 12" Red	I/Yellow Green Incandescent Unit escent Pedestrian Signals	9	0 12" Red/Yellow/Green LED Unit 0 LED Pedestrial Signals	\$ 45.00 \$ 25.00	\$ 405.00 \$ 200.00	1238 946	0
19 Alexis & Hagman	8	1 12" Red	/Yellow Green Incandescent Unit	8	1 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 405.00	1238	151
20 21 Alexis & I-75 SB	6 6		escent Pedestrian Signals I/Yellow Green Incandescent Unit	6 6	2 LED Pedestrial Signals 3 12" Red/Yellow/Green LED Unit	\$ 25.00 \$ 45.00	\$ 200.00 \$ 405.00	946 1238	302 453
22 23 Alexis & I-75 NB	0		escent Pedestrian Signals I/Yellow Green Incandescent Unit	0 6	0 LED Pedestrial Signals 3 12" Red/Yellow/Green LED Unit	\$ 25.00 \$ 45.00	\$ - \$ 405.00	946 1238	0 453
24	0	0 Incande	escent Pedestrian Signals	0	0 LED Pedestrial Signals	\$ 25.00	\$ -	946	453
25 N. Cove & Upton 26	9		I/Yellow Green Incandescent Unit escent Pedestrian Signals	9	0 12" Red/Yellow/Green LED Unit : 0 LED Pedestrial Signals :	\$ 45.00 \$ 25.00	\$ 405.00 \$ -	1238 946	0
27 AMC, N. Cove & Willys 28	19 0		I/Yellow Green Incandescent Unit escent Pedestrian Signals	19 0	5 12" Red/Yellow/Green LED Unit : 0 LED Pedestrial Signals :	\$ 45.00 \$ 25.00	\$ 1,080.00	1238 946	755
29 Andersons, Ariel & Talmadge	8	0 12" Red	/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 360.00	1238	0
30 31 AWT, Harvard & Woodsdale	8		escent Pedestrian Signals I/Yellow Green Incandescent Unit	8	0 LED Pedestrial Signals 0 12" Red/Yellow/Green LED Unit	\$ 25.00 \$ 45.00	\$ 200.00 \$ -	946 1238	0
32 33 AWT, Hawley & South	8 0		escent Pedestrian Signals I/Yellow Green Incandescent Unit	8	0 LED Pedestrial Signals 0 12" Red/Yellow/Green LED Unit	\$ 25.00 \$ 45.00	\$ 200.00	946 1238	0
34	18	0 Incande	escent Pedestrian Signals	18	0 LED Pedestrial Signals	\$ 25.00	\$ 450.00	946	0
35 AWT, Shepler & Western 36	14 16	3 12" Red 0 Incande	I/Yellow Green Incandescent Unit escent Pedestrian Signals	14 16	3 12" Red/Yellow/Green LED Unit : 0 LED Pedestrial Signals :	\$ 45.00 \$ 25.00	\$ 765.00 \$ 400.00	1238 946	453 0
37 Arlington & Detroit	8	1 12" Red	J/Yellow Green Incandescent Unit	8	1 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 405.00	1238	151
38 39 Arlington & MCO	8		escent Pedestrian Signals I/Yellow Green Incandescent Unit	8 6	0 LED Pedestrial Signals 0 12" Red/Yellow/Green LED Unit	\$ 25.00 \$ 45.00	\$ 200.00 \$ 270.00	946 1238	0
40 41 Arlington & Woodsdale	0		escent Pedestrian Signals I/Yellow Green Incandescent Unit	0	0 LED Pedestrial Signals 0 12" Red/Yellow/Green LED Unit	\$ 25.00 \$ 45.00	\$ - \$ 360.00	946 1238	0
42	8	0 Incande	escent Pedestrian Signals	8	0 LED Pedestrial Signals	\$ 25.00	\$ 200.00	946	0
43 Ashland & Bancroft 44	8 8	0 Incande	I/Yellow Green Incandescent Unit escent Pedestrian Signals	8	0 12" Red/Yellow/Green LED Unit : 0 LED Pedestrial Signals :	\$ 45.00 \$ 25.00	\$ 360.00 \$ 200.00	1238 946	0
45 Ashland & Collingwood 46	6	1 12" Red	I/Yellow Green Incandescent Unit	6	1 12" Red/Yellow/Green LED Unit 0 LED Pedestrial Signals	\$ 45.00 \$ 25.00	\$ 315.00 \$ 150.00	1238 946	151
47 Auburn & Bancroft	8	1 12" Red	d/Yellow Green Incandescent Unit	8	1 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 150.00 \$ 405.00	1238	0 151
48 49 Auburn & Central	0		escent Pedestrian Signals I/Yellow Green Incandescent Unit	0	0 LED Pedestrial Signals 0 12" Red/Yellow/Green LED Unit	\$ 25.00 \$ 45.00	\$ - \$ 360.00	946 1238	0
50	8	0 Incande	escent Pedestrian Signals	8	0 LED Pedestrial Signals	\$ 25.00	\$ 200.00	946	0
51 Auburn, Monroe & Ottawa 52	8 6	0 Incande	I/Yellow Green Incandescent Unit escent Pedestrian Signals	8 6	2 12" Red/Yellow/Green LED Unit : 0 LED Pedestrial Signals :	\$ 45.00 \$ 25.00	\$ 450.00 \$ 150.00	1238 946	302 0
53 Bancroft & Campus 54	6 4		I/Yellow Green Incandescent Unit	6	3 12" Red/Yellow/Green LED Unit : 0 LED Pedestrial Signals	\$ 45.00 \$ 25.00	\$ 405.00 \$ 100.00	1238 946	453 0
55 Bancroft & Cheltenham	6	0 12" Red	/Yellow Green Incandescent Unit	6	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 270.00	1238	0
56 57 Bancroft & Collingwood	4 8		escent Pedestrian Signals I/Yellow Green Incandescent Unit	4 8	0 LED Pedestrial Signals 0 12" Red/Yellow/Green LED Unit	\$ 25.00 \$ 45.00	\$ 100.00 \$ 360.00	946 1238	0
58 59 Bancroft & Detroit	8 13		escent Pedestrian Signals I/Yellow Green Incandescent Unit	8 13	0 LED Pedestrial Signals 5 12" Red/Yellow/Green LED Unit	\$ 25.00 \$ 45.00	\$ 200.00 \$ 810.00	946 1238	0 755
60	14	0 Incande	escent Pedestrian Signals	14	0 LED Pedestrial Signals	\$ 25.00	\$ 350.00	946	0
61 Bancroft & Franklin 62	8		I/Yellow Green Incandescent Unit escent Pedestrian Signals	8	0 12" Red/Yellow/Green LED Unit : 0 LED Pedestrial Signals :	\$ 45.00 \$ 25.00	\$ 360.00 \$ 200.00	1238 946	0
63 Bancroft & Holland-Sylvania 64	8	3 12" Red	/Yellow Green Incandescent Unit	8	3 12" Red/Yellow/Green LED Unit	\$ 45.00 \$ 25.00	\$ 495.00 \$ 200.00	1238 946	453
65 Bancroft, Indian & Secor	14	0 12" Red	escent Pedestrian Signals I/Yellow Green Incandescent Unit	14	0 LED Pedestrial Signals 0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 630.00	1238	0
66 67 Bancroft & Monroe	8 10		escent Pedestrian Signals I/Yellow Green Incandescent Unit	8 10	0 LED Pedestrial Signals 2 12" Red/Yellow/Green LED Unit	\$ 25.00 \$ 45.00	\$ 200.00 \$ 540.00	946 1238	0 302
68	8	0 Incande	escent Pedestrian Signals	8	0 LED Pedestrial Signals	\$ 25.00	\$ 200.00	946	0
69 Bancroft, Ottawa & Parkside 70	11 12		I/Yellow Green Incandescent Unit escent Pedestrian Signals	11 12	2 12" Red/Yellow/Green LED Unit : 0 LED Pedestrial Signals :	\$ 45.00 \$ 25.00	\$ 585.00 \$ 300.00	1238 946	302 0
71 Bancroft & Parkwood 72	6		I/Yellow Green Incandescent Unit escent Pedestrian Signals	6 6	2 12" Red/Yellow/Green LED Unit : 0 LED Pedestrial Signals :	\$ 45.00 \$ 25.00	\$ 360.00 \$ 150.00	1238 946	302 0
73 Bancroft & St. Francis H.S.	7	0 12" Red	d/Yellow Green Incandescent Unit	7	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 315.00	1238	0
74 75 Bancroft & Scottwood	6 6		escent Pedestrian Signals I/Yellow Green Incandescent Unit	6 6	0 LED Pedestrial Signals 0 12" Red/Yellow/Green LED Unit	\$ 25.00 \$ 45.00	\$ 150.00 \$ 270.00	946 1238	0
76 77 Bancroft & Sylvan	8 8		escent Pedestrian Signals I/Yellow Green Incandescent Unit	8	0 LED Pedestrial Signals 0 12" Red/Yellow/Green LED Unit	\$ 25.00 \$ 45.00	\$ 200.00 \$ 360.00	946 1238	0
78	0	0 Incande	escent Pedestrian Signals	0	0 LED Pedestrial Signals	\$ 25.00	\$ -	946	0
79 Hills 80	9		I/Yellow Green Incandescent Unit escent Pedestrian Signals	9 6	4 12" Red/Yellow/Green LED Unit : 0 LED Pedestrial Signals :	\$ 45.00 \$ 25.00	\$ 585.00 \$ 150.00	1238 946	604 0
81 Bancroft & Upton 82	15 14		I/Yellow Green Incandescent Unit escent Pedestrian Signals	15 14	5 12" Red/Yellow/Green LED Unit : 0 LED Pedestrial Signals	\$ 45.00 \$ 25.00	\$ 900.00 \$ 350.00	1238 946	755
83 Bancroft & Westwood	7	1 12" Red	/Yellow Green Incandescent Unit	7	1 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 360.00	1238	151
84 85 Bates & Collingwood	0 4		escent Pedestrian Signals I/Yellow Green Incandescent Unit	0	0 LED Pedestrial Signals 0 12" Red/Yellow/Green LED Unit	\$ 25.00 \$ 45.00	\$ - \$ 180.00	946 1238	0
86 87 Bellevue & Sylvania	4	0 Incande	escent Pedestrian Signals I/Yellow Green Incandescent Unit	4	0 LED Pedestrial Signals 0 12" Red/Yellow/Green LED Unit	\$ 25.00 \$ 45.00	\$ 100.00 \$ 270.00	946 1238	0
88	6	0 Incande	escent Pedestrian Signals	6	0 LED Pedestrial Signals	\$ 25.00	\$ 150.00	946	0
89 Belmar, Sylvania & Torrance 90	6 0		I/Yellow Green Incandescent Unit escent Pedestrian Signals	6 0	0 12" Red/Yellow/Green LED Unit : 0 LED Pedestrial Signals	\$ 45.00 \$ 25.00	\$ 270.00 \$ -	1238 946	0
91 Belmont & Detroit	8	0 12" Red	I/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 360.00	1238	0
92 93 Bennett, Eleanor & Waggoner	8 12		escent Pedestrian Signals I/Yellow Green Incandescent Unit	8 12	0 LED Pedestrial Signals 0 12" Red/Yellow/Green LED Unit	\$ 25.00 \$ 45.00	\$ 200.00 \$ 540.00	946 1238	0
94 95 Bennett & Laskey	8 8		escent Pedestrian Signals I/Yellow Green Incandescent Unit	8	0 LED Pedestrial Signals 1 12" Red/Yellow/Green LED Unit	\$ 25.00 \$ 45.00	\$ 200.00 \$ 405.00	946 1238	0 151
96	8	0 Incande	escent Pedestrian Signals	8	0 LED Pedestrial Signals	\$ 25.00	\$ 200.00	946	0
97 Benore, Suder & Shoreland 98	10 8		I/Yellow Green Incandescent Unit escent Pedestrian Signals	10 8	1 12" Red/Yellow/Green LED Unit : 0 LED Pedestrial Signals :	\$ 45.00 \$ 25.00	\$ 495.00 \$ 200.00	1238 946	151 0
99 Berdan, Cherry, Detroit & Ursula	15	3 12" Red	/Yellow Green Incandescent Unit	15 2	3 12" Red/Yellow/Green LED Unit	\$ 45.00 \$ 25.00	\$ 810.00	1238 946	453
IO1 Berdan & Douglas	2 8	0 12" Red	escent Pedestrian Signals I/Yellow Green Incandescent Unit	8	0 LED Pedestrial Signals 0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 50.00 \$ 360.00	1238	0
102 103 Berdan, Haverhill & I-75 SB on	8 12		escent Pedestrian Signals I/Yellow Green Incandescent Unit	8 12	0 LED Pedestrial Signals 8 12" Red/Yellow/Green LED Unit	\$ 25.00 \$ 45.00	\$ 200.00 \$ 900.00	946 1238	0 1208
104 LO5 Berdan & I-75 NB Off	12	0 Incande	escent Pedestrian Signals	12	0 LED Pedestrial Signals	\$ 25.00	\$ 300.00	946 1238	0
106	2	0 Incande	escent Pedestrian Signals	2	0 LED Pedestrial Signals	\$ 25.00	\$ 50.00	946	0
LO7 Berdan & Jackman LO8	8		I/Yellow Green Incandescent Unit escent Pedestrian Signals	8	0 12" Red/Yellow/Green LED Unit : 0 LED Pedestrial Signals	\$ 45.00 \$ 25.00	\$ 360.00 \$	1238 946	0
109 Berdan & Martha	8	0 12" Red	/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 360.00	1238	0
110 111 Berdan & N. Cove (Jeep Pkwy)	8 9		escent Pedestrian Signals I/Yellow Green Incandescent Unit	8 9	0 LED Pedestrial Signals 0 12" Red/Yellow/Green LED Unit	\$ 25.00 \$ 45.00	\$ 200.00 \$ 405.00	946 1238	0
112 113 Berdan & Upton	5	0 Incande	escent Pedestrian Signals I/Yellow Green Incandescent Unit	5	0 LED Pedestrial Signals 0 12" Red/Yellow/Green LED Unit	\$ 25.00 \$ 45.00	\$ 125.00 \$ 360.00	946 1238	0
114	8	0 Incande	escent Pedestrian Signals	8	0 LED Pedestrial Signals	\$ 25.00	\$ 200.00	946	0
115 Berdan WB RT at Haverhill 116	2 2		f/Yellow Green Incandescent Unit escent Pedestrian Signals	2 2	0 12" Red/Yellow/Green LED Unit : 0 LED Pedestrial Signals :	\$ 45.00 \$ 25.00	\$ 90.00 \$ 50.00	1238 946	0
117 Berdan & Willys	10	0 12" Red	/Yellow Green Incandescent Unit	10	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 450.00	1238	0
118 119 Birchwood & Heatherdowns	12 8	0 12" Red	escent Pedestrian Signals I/Yellow Green Incandescent Unit	12 8	0 LED Pedestrial Signals 0 12" Red/Yellow/Green LED Unit	\$ 25.00 \$ 45.00	\$ 300.00 \$ 360.00	946 1238	0
I20 I21 Blanchard, Manhatten & Phillips	8	0 Incande	escent Pedestrian Signals I/Yellow Green Incandescent Unit	8	0 LED Pedestrial Signals 2 12" Red/Yellow/Green LED Unit	\$ 25.00 \$ 45.00	\$ 200.00 \$ 495.00	946 1238	0 302
122	12	0 Incande	escent Pedestrian Signals	12	0 LED Pedestrial Signals	\$ 25.00	\$ 300.00	946	0
123 Blue Cross, Harvest & Sylvania 124	8 8		I/Yellow Green Incandescent Unit escent Pedestrian Signals	8	0 12" Red/Yellow/Green LED Unit : 0 LED Pedestrial Signals	\$ 45.00 \$ 25.00	\$ 360.00 \$ 200.00	1238 946	0
125 Bowen & Sylvania	8	0 12" Red	d/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 360.00	1238	0
126 127 Tremainsville	8 8		escent Pedestrian Signals I/Yellow Green Incandescent Unit	8 8	0 LED Pedestrial Signals 0 12" Red/Yellow/Green LED Unit	\$ 25.00 \$ 45.00	\$ 200.00 \$ 360.00	946 1238	0
128 129 Broadway & Clayton	12 9	0 Incande	escent Pedestrian Signals	12 9	0 LED Pedestrial Signals 2 12" Red/Yellow/Green LED Unit	\$ 25.00	\$ 300.00 \$ 495.00	946 1238	0 302
130	12	0 Incande	escent Pedestrian Signals	12	0 LED Pedestrial Signals	\$ 25.00	\$ 300.00	946	0
131 Broadway, Courtland & Segur 132	10 9		I/Yellow Green Incandescent Unit escent Pedestrian Signals	10 9	2 12" Red/Yellow/Green LED Unit : 0 LED Pedestrial Signals :	\$ 45.00 \$ 25.00	\$ 540.00 \$ 225.00	1238 946	302 0
133 Broadway, Eastern & Maumee	8	2 12" Red	/Yellow Green Incandescent Unit	8	2 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 450.00	1238	302
134 135 Broadway, Newbury & Stebbins	10 4		escent Pedestrian Signals I/Yellow Green Incandescent Unit	10 4	0 LED Pedestrial Signals 0 12" Red/Yellow/Green LED Unit	\$ 25.00 \$ 45.00	\$ 250.00 \$ 180.00	946 1238	0
136	2	0 Incande	escent Pedestrian Signals	2	0 LED Pedestrial Signals	\$ 25.00	\$ 50.00	946	0
137 Broadway & Newton 138	8 8	0 Incande	I/Yellow Green Incandescent Unit escent Pedestrian Signals	8 8	2 12" Red/Yellow/Green LED Unit : 0 LED Pedestrial Signals	\$ 45.00 \$ 25.00	\$ 450.00 \$ 200.00	1238 946	302 0
139 Broadway & Orchard	4 2	0 12" Red	I/Yellow Green Incandescent Unit escent Pedestrian Signals	4 2	0 12" Red/Yellow/Green LED Unit 0 LED Pedestrial Signals	\$ 45.00 \$ 25.00	\$ 180.00 \$ 50.00	1238 946	0
	8	0 12" Red	/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 360.00	1238	0
140 141 Broadway & Walbridge					0 LED Pedestrial Signals	\$ 25.00	\$ 200.00	946	0
140 141 Broadway & Walbridge 142	8		escent Pedestrian Signals	8					202
140 141 Broadway & Walbridge 142 143 Broadway & Western 144	8 8 8	2 12" Red 0 Incande	I/Yellow Green Incandescent Unit escent Pedestrian Signals	8	2 12" Red/Yellow/Green LED Unit : 0 LED Pedestrial Signals :	\$ 45.00 \$ 25.00	\$ 450.00 \$ 200.00	1238 946	302
140 141 Broadway & Walbridge 142 143 Broadway & Western	8 8 8 4 2	2 12" Red 0 Incande 0 12" Red	/Yellow Green Incandescent Unit	8	2 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 450.00	1238	302 0 0

1									al.	
1989		2 10							604	
Section 1		6 10			0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 450.00	1238	0	12380
		8 7							0 151	
Property of the property of		6							0 151	
Mary	158	4	O Incandescent Pedestrian Signals		O LED Pedestrial Signals	\$ 25.00	\$ 100.00	946	0	3784
Section 1	160	8	O Incandescent Pedestrian Signals	8	O LED Pedestrial Signals	\$ 25.00	\$ 200.00	946	0	7568
	162	16	O Incandescent Pedestrian Signals	16	0 LED Pedestrial Signals	\$ 25.00	\$ 400.00	946	0	15136
1	164	10	O Incandescent Pedestrian Signals	10	0 LED Pedestrial Signals	\$ 25.00	\$ 250.00	946	0	9460
Company		6 6							453 0	
Control Cont		9 8	1 12" Red/Yellow Green Incandescent Unit		1 12" Red/Yellow/Green LED Unit				151 0	
Control Cont		7	0 12" Red/Yellow Green Incandescent Unit	7	0 12" Red/Yellow/Green LED Unit		\$ 315.00		0	8666
Company	171 Cass & Glendale		3 12" Red/Yellow Green Incandescent Unit	15	3 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 810.00	1238	453	19023
Content Authors Content Au	173 Cass & Heatherdowns	8	1 12" Red/Yellow Green Incandescent Unit	8	1 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 405.00	1238	151	10055
Company	175 Central & Cheltenham	8	1 12" Red/Yellow Green Incandescent Unit	8	1 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 405.00	1238	151	10055
The content of the	177 Central & Corey	8	2 12" Red/Yellow Green Incandescent Unit	6	2 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 360.00	1238	0 302	7730
Common C		6 8							0 151	
Second S		8 9							0 453	
Control Cont		8 8							0	
Control Suppose	184	8	O Incandescent Pedestrian Signals	8	0 LED Pedestrial Signals	\$ 25.00	\$ 200.00	946	0	7568
	186	8	O Incandescent Pedestrian Signals	8	0 LED Pedestrial Signals	\$ 25.00	\$ 200.00	946	0	7568
March Marc	188	8 4	O Incandescent Pedestrian Signals	4	0 LED Pedestrial Signals	\$ 25.00	\$ 100.00	946	0	3784
March Marc	190	9 8	O Incandescent Pedestrian Signals		0 LED Pedestrial Signals	\$ 25.00	\$ 200.00	946	0	7568
Control former		11 6			2 12" Red/Yellow/Green LED Unit 0 LED Pedestrial Signals				302 0	
Control At State		8 8							302 0	
Section of Section 1997 1	195 Central & Secor	8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 360.00	1238	0	9904
Security 1.5 Secu	197 Central & Talmadge	8	2 12" Red/Yellow Green Incandescent Unit	8	2 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 450.00	1238	302	10206
Company Comp	199 Central & Upton	12	1 12" Red/Yellow Green Incandescent Unit	12	1 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 585.00	1238	151	15007
20	201 Central & W. Lincolnshire	14 0	0 12" Red/Yellow Green Incandescent Unit	0	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ -	1238	0	0
Compare Comp		8 8							0	
Section Company Comp		6							0	
Section	206	8 7	0 Incandescent Pedestrian Signals	8	0 LED Pedestrial Signals	\$ 25.00	\$ 200.00	946	0	7568
Description Property Proper	208	6	O Incandescent Pedestrian Signals	6	O LED Pedestrial Signals	\$ 25.00	\$ 150.00	946	0	5676
1	210	8	O Incandescent Pedestrian Signals	8	O LED Pedestrial Signals	\$ 25.00	\$ 200.00	946	0	7568
14		6 6							302 0	
20 12 12 12 12 12 12 12									604 0	
The content of the									453 0	
2 Chronic Automation	217 Southwyck SC	8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$ 45.00		1238	0	
20 Chrysin	219 Christie, Monroe & Upton	8	2 12" Red/Yellow Green Incandescent Unit	8	2 12" Red/Yellow/Green LED Unit	\$ 45.00		1238	302	
22 17 Inspiration 2 Ins	221 Chrysler, Counter & Manhatten	9	2 12" Red/Yellow Green Incandescent Unit	9	2 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 495.00	1238	302	11444
2	223 Chrysler & Stickney	6	2 12" Red/Yellow Green Incandescent Unit	6	2 12" Red/Yellow/Green LED Unit	\$ 45.00		1238	0 302	
22 Corp First Reviews		0 8					\$ - \$ 360.00		0	0 9904
25		8		8					0	
200 1	228	6 8	O Incandescent Pedestrian Signals		0 LED Pedestrial Signals	\$ 25.00	\$ 150.00	946	0	5676
1922 12	230	8	O Incandescent Pedestrian Signals	8	O LED Pedestrial Signals	\$ 25.00	\$ 200.00	946	0	7568
25 26 26 26 26 26 26 26	232	12	O Incandescent Pedestrian Signals	12	O LED Pedestrial Signals	\$ 25.00	\$ 300.00	946	453	11352
25	234	8 8	O Incandescent Pedestrian Signals	8	0 LED Pedestrial Signals	\$ 25.00	\$ 200.00	946	0	7568
28	236	6 8	O Incandescent Pedestrian Signals	8	0 LED Pedestrial Signals	\$ 25.00	\$ 200.00	946	0	7568
200 S.		8 8							151 0	
242 8 0 0		8 8							0	
246 Collegenced & Indiana		13			3 12" Red/Yellow/Green LED Unit 0 LED Pedestrial Signals				453 0	
25 Collegenced & 17-5 a. Collegenced & 18-1 a. Collegenced & 18-	243 Collingwood & Indiana	8	0 12" Red/Yellow Green Incandescent Unit		0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 360.00	1238	0	9904
A Collegence & Hington S	245 Collingwood & I-75 SB Off	7	2 12" Red/Yellow Green Incandescent Unit	7	2 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 405.00	1238	302	8080
20 12 12 12 12 13 13 13 13	247 Collingwood & Islington		0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 360.00	1238	0	9904
21 Collegewood, Normore & 2 July Rest/velow Green Incindence Unit 10 11 Peach Probably Green Incindence Unit 2 21 Peach Probably Green Incindence Unit 3 21 Peach Probably Green Incindence Un		10	2 12" Red/Yellow Green Incandescent Unit		2 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 540.00	1238	0 302	12682
12 12 12 12 12 13 13 13									0 302	
255 Collingwood & Calwanood 6									0 151	
256 O	254								0	
256 Commonwealth & Eleanor	256	4	O Incandescent Pedestrian Signals	4	O LED Pedestrial Signals	\$ 25.00	\$ 100.00	946	0	3784
250 0 0 1 1 1 2 2 2 2 2 3 3 2 2 2	258	8	O Incandescent Pedestrian Signals	8	O LED Pedestrial Signals	\$ 25.00	\$ 200.00	946	0	7568
Section Sect	260	0	O Incandescent Pedestrian Signals	0	0 LED Pedestrial Signals	\$ 25.00	s -	946	0	0
25 Opland & Detroit	262	6	O Incandescent Pedestrian Signals	6	0 LED Pedestrial Signals	\$ 25.00	\$ 150.00	946	302 0	5676
156 157			O Incandescent Pedestrian Signals						0	
267 Contin & Lewis		T							0	
12			0 12" Red/Yellow Green Incandescent Unit		0 12" Red/Yellow/Green LED Unit				0	
272 Curitand & South	269 Corydon, Secor & Toledo Clinic		1 12" Red/Yellow Green Incandescent Unit		1 12" Red/Yellow/Green LED Unit		\$ 450.00		151	11293
273 Curis, Hawley & Western 11	271 Courtland & South	8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 360.00	1238	0	9904
275 Deprotis & Starr 12 0.12* Red/Yellow Green Incondescent Unit 12 0.12* Red/Yellow Green IELD Unit 5 45.00 5 50.00 12.38 0 14585 276 277 Delaware & Dertort 9 0.12* Red/Yellow Green Incondescent Unit 9 2.12* Red/Yellow Green IELD Unit 5 45.00 5 45.00 12.38 302 15556 278 278 279 Delaware & Franklin 9 0.12* Red/Yellow Green Incondescent Unit 9 0.12* Red/Yellow Green IELD Unit 5 45.00 5 45.00 12.38 302 15556 279 Delaware & Franklin 9 0.12* Red/Yellow Green IELD Unit 5 45.00 5 45.00 12.38 302 15556 279 Delaware & Franklin 9 0.12* Red/Yellow Green IELD Unit 5 45.00 5 45.00 12.38 302 15558 279 Delaware & Franklin 9 0.12* Red/Yellow Green IELD Unit 5 45.00 5 45.00 12.38 302 15158 302 21.30* 302 21	273 Curtis, Hawley & Western	11	0 12" Red/Yellow Green Incandescent Unit	11	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 495.00	1238	0	13618
212 Pedir/ellow/Green LED Unit 5 45,00 5 45,00 1238 302 155,50 278	275 Dearborn, Heffner & Starr	12	0 12" Red/Yellow Green Incandescent Unit	12	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 540.00	1238	0	14856
279 Delware & Franklin 9	277 Delaware & Detroit	9	2 12" Red/Yellow Green Incandescent Unit	9	2 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 495.00	1238	0 302	10556
280 8						\$ 45.00		1238	0	11142
282 8 0 Incandescent Pedestrian Signals 8 0 LED Pedestrial Signals 5 25.00 9 46 0 7568 230 betroit & Glantman 6 0 127 Red/Pellow Green Incandescent Unit 6 0 127 Red/Pellow Green Ut 5 65.00 5 270.00 1238 0 7428 250 betroit & Glendale 10 212* Red/Pellow Green Ut 5 65.00 5 15.00 946 0 5676 250 betroit & Glendale 10 212* Red/Pellow Green Incandescent Unit 6 0 12* Red/Pellow Green Ut 10 5 65.00 5 50.00 946 0 5676 250 betroit & Glendale 10 10 212* Red/Pellow Green Ut 10 15 65.00 5 50.00 946 0 7568 250 betroit & Glendale 10 10 212* Red/Pellow Green Incandescent Ut 10 2 12* Red/Pellow Green Ut 10 15 65.00 5 50.00 946 0 7568 250 betroit & Glendale 10 10 212* Red/Pellow Green Ut 10 15 65.00 5 50.00 946 0 7568 250 betroit & Glendale 10 10 10 10 10 10 10 10 10 10 10 10 10	280		0 Incandescent Pedestrian Signals		O LED Pedestrial Signals	\$ 25.00	\$ 200.00	946	0 302	7568
284 6 0 Incandescent Pedestrian Signals 6 0 LED Pedestrial Signals 5 25.00 946 0 5678 285 Detroit & Cliendale	282	8	0 Incandescent Pedestrian Signals	8	O LED Pedestrial Signals	\$ 25.00	\$ 200.00	946	0	7568
270 270 271 272 273 274	284	6	O Incandescent Pedestrian Signals	6	0 LED Pedestrial Signals	\$ 25.00	\$ 150.00	946	0	5676
288 8 0 Incandescent Pedestrian Signals 8 0 LED Pedestrial Signals 5 25.00 5 200.00 946 0 7568 290 Detroit & NBI-75 8 0 127 Red/Pellow Green Incandescent Unit 8 0 127 Red/Pellow Green Util 5 6 5.00 5 80.00 1946 0 7485 291 Detroit & SBI-75 9 0 127 Red/Pellow Green Util 5 6 5.00 5 125.00 946 0 7485 291 Detroit & SBI-75 9 0 127 Red/Pellow Green LED Unit 5 6 5.00 5 125.00 946 0 7485 291 Detroit & SBI-75 9 0 Incandescent Pedestrian Signals 9 0 127 Red/Pellow Green LED Unit 5 6 5.00 5 225.00 946 0 8514 4 0 127 Red/Pellow Green LED Unit 5 6 5.00 5 225.00 946 0 8514 4 0 127 Red/Pellow Green LED Unit 5 6 5.00 5 127 Red/Pellow Green Util 7 6 1 1100 127 Red/Pellow Green LED Unit 5 6 5.00 5 127 Red/Pellow Green Util 7 6 1 1100 127 Red/Pellow Green LED Unit 5 6 5.00 5 127 Red/Pellow Green Util 7 6 127 Red/Pellow Green LED Unit 5 6 5.00 5 127 Red/Pellow Green Util 7 6 127 Red/Pellow Green LED Unit 5 6 5.00 5 127 Red/Pellow Green Util 7 6 127 Red/Pellow Green LED Unit 5 6 5.00 5 127 Red/Pellow Green Util 7 6 127 Red/Pellow Green LED Unit 5 6 5.00 5 127 Red/Pellow Green Util 7 6 127 Red/Pellow Green LED Unit 5 6 5.00 5 127 Red/Pellow Green Util 7 6 127 Red/Pellow Green LED Unit 5 6 5.00 5 6 75.00 1228 75 1313 128 128 12 12 10 Incandescent Pedestrian Signals 5 12 0 10 1352 750 1332 12 12 11 1100 128 12 11 1100 128 15 12 15 10 1332 12 12 1100 Redestrian Signals 5 12 0 10 1352 75 13133 12 12 1100 Redestrian Signals 5 12 0	286	8	O Incandescent Pedestrian Signals	8	0 LED Pedestrial Signals	\$ 25.00	\$ 200.00	946	302 0	7568
290 5 0 1,200 5 0 1,200 2,200	288	8	O Incandescent Pedestrian Signals	8	0 LED Pedestrial Signals	\$ 25.00	\$ 200.00	946	0	7568
292 9 O Incandescent Pedestrian Signals 9 O LED Pedestrial Signals 5 25.00 946 0 8514 293 Detroit & NODC Flashers 4 0.12* Red/Yellow Green Incandescent Unit 4 0.12* Red/Yellow Green LEU Unit 5 45.00 5 18.00 12.38 0 4952 294 0 0 O Incandescent Pedestrian Signals 0 O LED Pedestrial Signals 5 25.00 5 - 946 0 0 295 Detroit & Unicon 6 0.12* Red/Yellow Green Incandescent Unit 6 0 12* Red/Yellow Green LEU Unit 5 45.00 5 270.00 12.38 0 6540 296 8 O Incandescent Pedestrian Signals 8 0 LED Pedestrial Signals 5 25.00 5 270.00 946 0 7568 297 Detroit & Monroe 10 5.12* Red/Yellow Green Incandescent Unit 10 5.12* Red/Yellow Green LEU Unit 5 45.00 5 675.00 12.38 755 13135 298 12 O Incandescent Pedestrian Signals 5 20 LED Pedestrial Signals 5 25.00 5 675.00 12.38 755 13135 298 12 O Incandescent Pedestrian Signals 5 20 LED Pedestrial Signals 5 25.00 5 675.00 12.38 755 13135 298 12 O Incandescent Pedestrian Signals 5 20 LED Pedestrial Signals 5 25.00 5 675.00 12.38 755 13135 298 12 O Incandescent Pedestrian Signals 5 20 LED Pedestrial Signals 5 25.00 5 675.00 12.38 755 13135 299 290	290	5	O Incandescent Pedestrian Signals	5	0 LED Pedestrial Signals	\$ 25.00	\$ 125.00	946	0	4730
293 Derroit & MODC Flashers 4 0 12" Red/Fellow Green Inclinations (12" Red/Fellow Green LED Unit 5 45.00 5 130.00 12238 0 4552 524	292			9	O LED Pedestrial Signals	\$ 25.00	\$ 225.00	946	0	8514
285 Detroit & Lincolo 6 0 12" Rel/Yellow Green Incalance Hunt 6 0 12" Rel/Yellow Green LED Unit 5 45.00 5 270.00 1238 0 654.00 5 270.00 1238 0			0 12" Red/Yellow Green Incandescent Unit		0 12" Red/Yellow/Green LED Unit		\$ 180.00		0	
297 Devit & Monroe 10 5 12" Refl/Vellow Green Incandees Unit 10 5 12" Refl/Vellow Green LED Unit 5 45,00 [5 675,00 1238 755 13135 1298 12 0 Incandescent Peterstand Signals 12 0 ILID Peterstrial Signals 5 25,00 [5 300,00 946 0 11352]	295 Detroit & Lincoln		0 12" Red/Yellow Green Incandescent Unit	6	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 270.00	1238	0	
	297 Detroit & Monroe	10	5 12" Red/Yellow Green Incandescent Unit	10	5 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 675.00	1238	755	13135
									151	

300	8	O Incandescent Pedestrian Signals	8	0 LED Pedestrial Signals	\$ 25.00	\$ 200.00	946	0	7568
301 Detroit & Oakwood 302	6 8	0 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	6	0 12" Red/Yellow/Green LED Unit 0 LED Pedestrial Signals	\$ 45.00 \$ 25.00	\$ 270.00 \$ 200.00	1238 946	0	6984 7568
303 Detroit & Phillips	15	4 12" Red/Yellow Green Incandescent Unit	15	4 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 855.00	1238	604	19174
304 305 Detroit & Schneider	12	O Incandescent Pedestrian Signals 12" Red/Yellow Green Incandescent Unit	12 6	0 LED Pedestrial Signals 0 12" Red/Yellow/Green LED Unit	\$ 25.00 \$ 45.00	\$ 300.00 \$ 270.00	946 1238	0	11352 6540
306	0	O Incandescent Pedestrian Signals	0	O LED Pedestrial Signals	\$ 25.00	\$ -	946	0	0
307 Detroit & South 308	8 8	1 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	8	1 12" Red/Yellow/Green LED Unit 0 LED Pedestrial Signals	\$ 45.00 \$ 25.00	\$ 405.00 \$ 200.00	1238 946	151	10055 7568
309 Center	8	2 12" Red/Yellow Green Incandescent Unit	8	2 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 450.00	1238	302	10206
310 311 Detroit & Sylvania	0	0 Incandescent Pedestrian Signals 2 12" Red/Yellow Green Incandescent Unit	0	0 LED Pedestrial Signals 2 12" Red/Yellow/Green LED Unit	\$ 25.00 \$ 45.00	\$ - \$ 450.00	946 1238	0 302	0 10206
312	8	O Incandescent Pedestrian Signals	8	O LED Pedestrial Signals	\$ 25.00	\$ 200.00	946	0	7568
313 Detroit & Woodruff 314	8	0 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	8	0 12" Red/Yellow/Green LED Unit 0 LED Pedestrial Signals	\$ 45.00 \$ 25.00	\$ 360.00 \$ 200.00	1238 946	0	9904 7568
315 DeVeaux School & Sylvania	6	0 12" Red/Yellow Green Incandescent Unit	6		\$ 45.00	\$ 270.00	1238	0	7428
316	4	O Incandescent Pedestrian Signals	4	0 LED Pedestrial Signals	\$ 25.00	\$ 100.00	946	0	3784
317 Dexter & Lagrange 318	8 8	0 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	8	0 12" Red/Yellow/Green LED Unit 0 LED Pedestrial Signals	\$ 45.00 \$ 25.00	\$ 360.00 \$ 200.00	1238 946	0	9016 7568
319 Division & Nebraska	8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 360.00	1238	0	9904
320 321 Dorr, Douglas & Westwood	8 12	0 Incandescent Pedestrian Signals 2 12" Red/Yellow Green Incandescent Unit	8 12	0 LED Pedestrial Signals 2 12" Red/Yellow/Green LED Unit	\$ 25.00 \$ 45.00	\$ 200.00 \$ 630.00	946 1238	0 302	7568 13636
322	8	O Incandescent Pedestrian Signals	8	O LED Pedestrial Signals	\$ 25.00	\$ 200.00	946	0	7568
323 Dorr, Harrow & Olympia 324	10	0 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	10 8	0 12" Red/Yellow/Green LED Unit 0 LED Pedestrial Signals	\$ 45.00 \$ 25.00	\$ 450.00 \$ 200.00	1238 946	0	12380 7568
325 Dorr & Hawley	6	0 12" Red/Yellow Green Incandescent Unit	6	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 270.00	1238	o	6984
326 327 Dorr & Hoag	6	Incandescent Pedestrian Signals 12" Red/Yellow Green Incandescent Unit	6	0 LED Pedestrial Signals 0 12" Red/Yellow/Green LED Unit	\$ 25.00 \$ 45.00	\$ 150.00 \$ 360.00	946 1238	0	5676 9904
328	8	O Incandescent Pedestrian Signals	8	O LED Pedestrial Signals		\$ 200.00	946	0	7568
329 Dorr & Holland-Sylvania	8	3 12" Red/Yellow Green Incandescent Unit	8		\$ 45.00	\$ 495.00	1238	453	10357
330 331 Dorr & Lawrence	8 7	Incandescent Pedestrian Signals 12" Red/Yellow Green Incandescent Unit	8 7	0 LED Pedestrial Signals 1 12" Red/Yellow/Green LED Unit	\$ 25.00 \$ 45.00	\$ 200.00 \$ 360.00	946 1238	151	7568 8817
332	8	O Incandescent Pedestrian Signals	8	0 LED Pedestrial Signals	\$ 25.00		946	0	7568
333 Dorr & Linden 334	8	0 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	8	0 12" Red/Yellow/Green LED Unit 0 LED Pedestrial Signals	\$ 45.00 \$ 25.00	\$ 360.00 \$ 200.00	1238 946	0	9460 7568
335 Dorr & Parkside	12	2 12" Red/Yellow Green Incandescent Unit	12	2 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 630.00	1238	302	15158
336 337 Dorr & Richards	12 8	0 Incandescent Pedestrian Signals 1 12" Red/Yellow Green Incandescent Unit	12 8	0 LED Pedestrial Signals 1 12" Red/Yellow/Green LED Unit	\$ 25.00 \$ 45.00	\$ 300.00 \$ 405.00	946 1238	0 151	11352 10055
338	8	O Incandescent Pedestrian Signals	8	O LED Pedestrial Signals	\$ 25.00	\$ 200.00	946	0	7568
339 Dorr & Secor 340	8	3 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	8 6	3 12" Red/Yellow/Green LED Unit 0 LED Pedestrial Signals	\$ 45.00 \$ 25.00	\$ 495.00 \$ 150.00	1238 946	453	10357 5676
341 Dorr, 17th & Washington	4	0 12" Red/Yellow Green Incandescent Unit	4	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 180.00	1238	0	4952
342 343 Dorr. Shenandoa & Uoton	6 8	Incandescent Pedestrian Signals 12" Red/Yellow Green Incandescent Unit	6	0 LED Pedestrial Signals 0 12" Red/Yellow/Green LED Unit	\$ 25.00 \$ 45.00	\$ 150.00 \$ 360.00	946 1238	0	5676 9904
344	10	O Incandescent Pedestrian Signals	10	0 LED Pedestrial Signals	\$ 25.00	\$ 250.00	946	0	9460
345 Dorr & Smead	10	0 12" Red/Yellow Green Incandescent Unit	10	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 450.00	1238 946	0	12380
346 347 Dorr & UT	8 11	0 Incandescent Pedestrian Signals 0 12" Red/Yellow Green Incandescent Unit	8 11	0 LED Pedestrial Signals 0 12" Red/Yellow/Green LED Unit	\$ 25.00 \$ 45.00	\$ 200.00 \$ 495.00	946 1238	0	7568 13618
348	8	O Incandescent Pedestrian Signals	8	O LED Pedestrial Signals	\$ 25.00	\$ 200.00	946	0	7568
349 Dorr & Waverly 350	8 8	0 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	8	0 12" Red/Yellow/Green LED Unit 0 LED Pedestrial Signals	\$ 45.00 \$ 25.00	\$ 360.00 \$ 200.00	1238 946	0	9016 7568
351 Douglas & Grantwood	8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 360.00	1238	0	9904
352 353 Douglas & Kenwood	8 9	Incandescent Pedestrian Signals 12" Red/Yellow Green Incandescent Unit	8	0 LED Pedestrial Signals 0 12" Red/Yellow/Green LED Unit	\$ 25.00 \$ 45.00	\$ 200.00 \$ 405.00	946 1238	0	7568 11142
354	4	O Incandescent Pedestrian Signals	4	O LED Pedestrial Signals	\$ 25.00	\$ 100.00	946	0	3784
355 Douglas, Laskey & Tremainsville 356	22	0 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	22 12	4 12" Red/Yellow/Green LED Unit 0 LED Pedestrial Signals	\$ 45.00 \$ 25.00	\$ 990.00 \$ 300.00	1238 946	604	27840 11352
357 Douglas & Monroe	9	2 12" Red/Yellow Green Incandescent Unit	9		\$ 45.00	\$ 495.00	1238	302	11444
358 359 Douglas & Oak Grove	8	0 Incandescent Pedestrian Signals 0 12" Red/Yellow Green Incandescent Unit	8	0 LED Pedestrial Signals 0 12" Red/Yellow/Green LED Unit	\$ 25.00 \$ 45.00	\$ 200.00 \$ 360.00	946 1238	0	7568 9904
360	8	O Incandescent Pedestrian Signals	8	O LED Pedestrial Signals	\$ 25.00	\$ 200.00	946	0	7568
361 Douglas & Oakwood	11	4 12" Red/Yellow Green Incandescent Unit	11		\$ 45.00	\$ 675.00	1238	604	14222
362 363 Douglas & Sylvania	8	0 Incandescent Pedestrian Signals 2 12" Red/Yellow Green Incandescent Unit	6 8	0 LED Pedestrial Signals 2 12" Red/Yellow/Green LED Unit	\$ 25.00 \$ 45.00	\$ 150.00 \$ 450.00	946 1238	302	5676 10206
364	8	O Incandescent Pedestrian Signals	8	0 LED Pedestrial Signals	\$ 25.00	\$ 200.00	946	0	7568
365 Douglas & University Hills 366	9 2	3 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	9	3 12" Red/Yellow/Green LED Unit 0 LED Pedestrial Signals	\$ 45.00 \$ 25.00	\$ 540.00 \$ 50.00	1238 946	453 0	11595 1892
367 Douglas & Wernert School	4	0 12" Red/Yellow Green Incandescent Unit	4	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 180.00	1238	0	4952
368 369 East Broadway & Front	2	0 Incandescent Pedestrian Signals 0 12" Red/Yellow Green Incandescent Unit	6	0 LED Pedestrial Signals 0 12" Red/Yellow/Green LED Unit	\$ 25.00 \$ 45.00	\$ 50.00 \$ 270.00	946 1238	0	1892 7428
370	6	O Incandescent Pedestrian Signals	6	0 LED Pedestrial Signals	\$ 25.00	\$ 150.00	946	0	5676
371 East Broadwat & Navarre 372	8	2 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	8	2 12" Red/Yellow/Green LED Unit 0 LED Pedestrial Signals	\$ 45.00 \$ 25.00	\$ 450.00 \$ 200.00	1238 946	302	10206 7568
373 East Broadway & Nevada	8	0 12" Red/Yellow Green Incandescent Unit	8		\$ 45.00	\$ 360.00	1238	0	9904
374	8	O Incandescent Pedestrian Signals	8	0 LED Pedestrial Signals	\$ 25.00	\$ 200.00	946	0	7568
375 East Broadway & Oakdale 376	9 8	0 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	9	0 12" Red/Yellow/Green LED Unit 0 LED Pedestrial Signals	\$ 45.00 \$ 25.00	\$ 405.00 \$ 200.00	1238 946	0	11142 7568
377 Sixth	9	0 12" Red/Yellow Green Incandescent Unit	9	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 405.00	1238	0	11142
378 379 East Broadway & Starr	8 8	0 Incandescent Pedestrian Signals 2 12" Red/Yellow Green Incandescent Unit	8	0 LED Pedestrial Signals 2 12" Red/Yellow/Green LED Unit	\$ 25.00 \$ 45.00	\$ 200.00 \$ 450.00	946 1238	0 302	7568 10206
380	8	O Incandescent Pedestrian Signals	8	O LED Pedestrial Signals	\$ 25.00	\$ 200.00	946	0	7568
381 Varland 382	8	0 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	8	0 12" Red/Yellow/Green LED Unit 0 LED Pedestrial Signals	\$ 45.00 \$ 25.00	\$ 360.00 \$ 200.00	1238 946	0	9904 7568
383 East Broadwat & Woodville	12	0 12" Red/Yellow Green Incandescent Unit	12		\$ 45.00	\$ 540.00	1238	0	14856
384	8	O Incandescent Pedestrian Signals	8	O LED Pedestrial Signals	\$ 25.00		946	0	7568
385 Eastgate & Glendale 386	11 14	3 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	11 14	3 12" Red/Yellow/Green LED Unit 0 LED Pedestrial Signals	\$ 45.00 \$ 25.00	\$ 630.00 \$ 350.00	1238 946	453 0	14071 13244
387 Eastgate & Heatherdowns	9	3 12" Red/Yellow Green Incandescent Unit	9	3 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 540.00	1238	453	11595
388 389 Edgewater & 134th	8	0 Incandescent Pedestrian Signals 0 12" Red/Yellow Green Incandescent Unit	6	0 LED Pedestrial Signals 0 12" Red/Yellow/Green LED Unit	\$ 25.00 \$ 45.00	\$ 200.00 \$ 270.00	946 1238	0	7568 7428
390	6	O Incandescent Pedestrian Signals	6	0 LED Pedestrial Signals	\$ 25.00	\$ 150.00	946	0	5676
391 Secor 392	8	4 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	8	4 12" Red/Yellow/Green LED Unit 0 LED Pedestrial Signals	\$ 45.00 \$ 25.00	\$ 540.00 \$ 200.00	1238 946	604 0	10508 7568
393 Eleanor & Jackman	6	1 12" Red/Yellow Green Incandescent Unit	6	1 12" Red/Yellow/Green LED Unit 0 LED Pedestrial Signals	\$ 45.00	\$ 315.00	1238	151	7579
394 395 Eleanor & Lewis	8	0 Incandescent Pedestrian Signals 1 12" Red/Yellow Green Incandescent Unit	6 8		\$ 25.00 \$ 45.00	\$ 150.00 \$ 405.00	946 1238	151	5676 10055
396 397 Eleanor & North Haven	8 8	0 Incandescent Pedestrian Signals 0 12" Red/Yellow Green Incandescent Unit	8	0 LED Pedestrial Signals 0 12" Red/Yellow/Green LED Unit	\$ 25.00 \$ 45.00	\$ 200.00 \$ 360.00	946 1238	0	7568
398	0	O Incandescent Pedestrian Signals	0	0 LED Pedestrial Signals	\$ 25.00	\$ 300.00	946	0	9904 0
399 Eleanor & Walker	8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit		\$ 360.00	1238	0	9904
400 401 11th, Indiana & Washington	8 9	0 Incandescent Pedestrian Signals 0 12" Red/Yellow Green Incandescent Unit	8 9	0 LED Pedestrial Signals 0 12" Red/Yellow/Green LED Unit	\$ 25.00 \$ 45.00	\$ 200.00 \$ 405.00	946 1238	0	7568 10698
402 403 11th & Jefferson	10	0 Incandescent Pedestrian Signals 0 12" Red/Yellow Green Incandescent Unit	10 6	0 LED Pedestrial Signals 0 12" Red/Yellow/Green LED Unit	\$ 25.00	\$ 250.00	946 1238	0	9460 6540
403 11th & Jefferson 404	8	0 Incandescent Pedestrian Signals	8	0 12" Red/Yellow/Green LED Unit 0 LED Pedestrial Signals	\$ 45.00	\$ 270.00 \$ 200.00	1238 946	0	7568
405 11th & Monroe	6	0 12" Red/Yellow Green Incandescent Unit	6	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 270.00	1238	0	7428
406 407 Elgin, Ravine South & White	8 8	0 Incandescent Pedestrian Signals 0 12" Red/Yellow Green Incandescent Unit	8		\$ 25.00 \$ 45.00	\$ 200.00 \$ 360.00	946 1238	0	7568 9904
408	8	O Incandescent Pedestrian Signals	8	0 LED Pedestrial Signals	\$ 25.00	\$ 200.00	946 1238	0	7568
409 Elmhurst & Sylvania 410	6 6	0 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	6	0 12" Red/Yellow/Green LED Unit 0 LED Pedestrial Signals	\$ 45.00 \$ 25.00	\$ 270.00 \$ 150.00	1238 946	0	6984 5676
411 Erie & Lagrange	6	1 12" Red/Yellow Green Incandescent Unit	6	1 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 315.00	1238	151	7579
412 413 Erie & Lagrange School	8 2	0 Incandescent Pedestrian Signals 0 12" Red/Yellow Green Incandescent Unit	8	0 LED Pedestrial Signals 0 12" Red/Yellow/Green LED Unit	\$ 25.00 \$ 45.00	\$ 200.00 \$ 90.00	946 1238	0	7568 2476
414	2	0 Incandescent Pedestrian Signals 0 12" Red/Yellow Green Incandescent Unit	2	O LED Pedestrial Signals	\$ 25.00	\$ 50.00	946	0	1892
415 Ewing & Indiana 416	8	0 Incandescent Pedestrian Signals	8	0 12" Red/Yellow/Green LED Unit 0 LED Pedestrial Signals	\$ 45.00 \$ 25.00	\$ 360.00 \$ -	1238 946	0	9904
417 Executive & Secor	8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 360.00	1238	0	9904
418 419 Lagrange	8	0 Incandescent Pedestrian Signals 2 12" Red/Yellow Green Incandescent Unit	8	0 LED Pedestrial Signals 2 12" Red/Yellow/Green LED Unit	\$ 25.00 \$ 45.00	\$ 200.00 \$ 360.00	946 1238	302	7568 7730
420	0	O Incandescent Pedestrian Signals	0	O LED Pedestrial Signals	\$ 25.00	\$ -	946	0	0
421 Stickney 422	9	1 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	9 6	1 12" Red/Yellow/Green LED Unit 0 LED Pedestrial Signals	\$ 45.00 \$ 25.00	\$ 450.00 \$ 150.00	1238 946	151 0	11293 5676
423 Lagrange & Windermere	6	2 12" Red/Yellow Green Incandescent Unit	6	2 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 360.00	1238	302	7730
424 425 Stickney	0 8	0 Incandescent Pedestrian Signals 0 12" Red/Yellow Green Incandescent Unit	0	0 LED Pedestrial Signals 0 12" Red/Yellow/Green LED Unit	\$ 25.00 \$ 45.00	\$ - \$ 360.00	946 1238	0	0 8572
426	6	O Incandescent Pedestrian Signals	6	O LED Pedestrial Signals	\$ 25.00	\$ 150.00	946	0	5676
427 Fairview & Sylvania 428	8 8	0 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	8	0 12" Red/Yellow/Green LED Unit 0 LED Pedestrial Signals	\$ 45.00 \$ 25.00	\$ 360.00 \$ 200.00	1238 946	0	9904 7568
429 Fassett & Oak	8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 360.00	1238	0	9904
430 431 Field & Western	8 8	0 Incandescent Pedestrian Signals 0 12" Red/Yellow Green Incandescent Unit	8	O LED Pedestrial Signals	\$ 25.00 \$ 45.00	\$ 200.00 \$ 360.00	946 1238	0	7568 9904
432	8	O Incandescent Pedestrian Signals	8	O LED Pedestrial Signals	\$ 25.00	\$ 200.00	946	0	7568
433 Fitch, Traminsville & Upton 434	6 4	0 12" Red/Yellow Green Incandescent Unit	6		\$ 45.00 \$ 25.00	\$ 270.00 \$ 100.00	1238 946	0	7428 3784
434 435 Food Town, Sears & Secor	4 8	0 Incandescent Pedestrian Signals 4 12" Red/Yellow Green Incandescent Unit	4 8	0 LED Pedestrial Signals 4 12" Red/Yellow/Green LED Unit	\$ 25.00 \$ 45.00	\$ 100.00 \$ 540.00	946 1238	0 604	3784 10508
436	6	O Incandescent Pedestrian Signals	6	O LED Pedestrial Signals	\$ 25.00	\$ 150.00	946	0	5676
437 Forest & Nebraska 438	4	0 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	6 4	O LED Pedestrial Signals	\$ 45.00 \$ 25.00	\$ 270.00 \$ 100.00	1238 946	0	7428 3784
439 Foster & Upton	8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 360.00	1238	0	9904
440 441 14th, I-75 NB On & Washington	8 6	0 Incandescent Pedestrian Signals 1 12" Red/Yellow Green Incandescent Unit	8 6	0 LED Pedestrial Signals 1 12" Red/Yellow/Green LED Unit	\$ 25.00 \$ 45.00	\$ 200.00 \$ 315.00	946 1238	0 151	7568 6691
442	4	O Incandescent Pedestrian Signals	4	O LED Pedestrial Signals	\$ 25.00	\$ 100.00	946	0	3784
443 14th & Jefferson 444	6 8	3 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	6 8	3 12" Red/Yellow/Green LED Unit 0 LED Pedestrial Signals	\$ 45.00 \$ 25.00	\$ 405.00 \$ 200.00	1238 946	453 0	7881 7568
445 14th & Monroe	6	1 12" Red/Yellow Green Incandescent Unit	6	1 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 315.00	1238	151	7579
446 447 Fourth & Main	8 8	0 Incandescent Pedestrian Signals 0 12" Red/Yellow Green Incandescent Unit	8	0 LED Pedestrial Signals 0 12" Red/Yellow/Green LED Unit		\$ 200.00 \$ 360.00	946 1238	0	7568 9904
448	8	O Incandescent Pedestrian Signals	8	0 LED Pedestrial Signals	\$ 25.00	\$ 200.00	946	0	7568
449 Fourth, Oak & Starr	6	0 12" Red/Yellow Green Incandescent Unit	6	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 270.00	1238	0	7428

450	6	O Incandescent Pedestrian Signals	6	0 LED Pedestrial Signals \$	25.00 \$	150.00	946	0	5676
451 Franklin & Woodruff 452	8 8	0 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	8	0 12" Red/Yellow/Green LED Unit \$ 0 LED Pedestrial Signals \$	45.00 \$ 25.00 \$	360.00 200.00	1238 946	0	9904 7568
453 Monroe	7	2 12" Red/Yellow Green Incandescent Unit	7	2 12" Red/Yellow/Green LED Unit \$	45.00 \$	405.00	1238	302	8968
454 455 Franklin Park Mall N. & Talmadge	4 9	0 Incandescent Pedestrian Signals 2 12" Red/Yellow Green Incandescent Unit	4 9	0 LED Pedestrial Signals \$ 2 12" Red/Yellow/Green LED Unit \$	25.00 \$ 45.00 \$	100.00 495.00	946 1238	0 302	3784 11444
456	6	O Incandescent Pedestrian Signals	6	0 LED Pedestrial Signals \$	25.00 \$	150.00	946	0	5676
457 Franklin Park Mall S. & Talmadge 458	8 12	2 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	8 12	2 12" Red/Yellow/Green LED Unit \$ 0 LED Pedestrial Signals \$	45.00 \$ 25.00 \$	450.00 300.00	1238 946	302 0	10206 11352
459 Franklin Park Mall W. & Monroe	7	1 12" Red/Yellow Green Incandescent Unit	7	1 12" Red/Yellow/Green LED Unit \$	45.00 \$		1238	151	8817
460 461 Franklin Place, Marcos & Monroe	3 9	0 Incandescent Pedestrian Signals 1 12" Red/Yellow Green Incandescent Unit	3 9	0 LED Pedestrial Signals \$ 1 12" Red/Yellow/Green LED Unit \$	25.00 \$ 45.00 \$	75.00 450.00	946 1238	0 151	2838 11293
462	8	O Incandescent Pedestrian Signals	8	0 LED Pedestrial Signals \$	25.00 \$	200.00	946	0	7568
463 Galena & Summit 464	6 4	1 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	6 4	1 12" Red/Yellow/Green LED Unit \$ 0 LED Pedestrial Signals \$	45.00 \$ 25.00 \$	315.00 100.00	1238 946	151 0	7579 3784
465 Gesu School & Parkside	4	0 12" Red/Yellow Green Incandescent Unit	4	0 12" Red/Yellow/Green LED Unit \$	45.00 \$	180.00	1238	0	4952
466 467 Jackman	4 8	0 Incandescent Pedestrian Signals 2 12" Red/Yellow Green Incandescent Unit	4 8	0 LED Pedestrial Signals \$ 2 12" Red/Yellow/Green LED Unit \$	25.00 \$ 45.00 \$	100.00 450.00	946 1238	0 302	3784 10206
468	6	O Incandescent Pedestrian Signals	6	0 LED Pedestrial Signals \$	25.00 \$	150.00	946	0	5676
469 Glendale, Glengate & Kroger 470	8 8	0 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	8	0 12" Red/Yellow/Green LED Unit \$ 0 LED Pedestrial Signals \$	45.00 \$ 25.00 \$	360.00 200.00	1238 946	0	9904 7568
471 Lutheran School	8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit \$	45.00 \$	360.00	1238	0	9904
472 473 Glendale & Harvard School	8 4	Incandescent Pedestrian Signals 12" Red/Yellow Green Incandescent Unit	8	0 LED Pedestrial Signals \$ 0 12" Red/Yellow/Green LED Unit \$	25.00 \$ 45.00 \$	200.00	946 1238	0	7568 4952
474	2	O Incandescent Pedestrian Signals	2	0 LED Pedestrial Signals \$	25.00 \$	50.00	946	0	1892
475 Glendale, Kroger & MVCDS 476	8 8	1 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	8	1 12" Red/Yellow/Green LED Unit \$ 0 LED Pedestrial Signals \$	45.00 \$ 25.00 \$	405.00	1238 946	151 0	10055 7568
477 Glendale, Southland & V.A. Clinic	8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit \$	45.00 \$	360.00	1238	0	9904
478 479 Glendale & Toledo Commons	8 8	Incandescent Pedestrian Signals 12" Red/Yellow Green Incandescent Unit	8	0 LED Pedestrial Signals \$ 0 12" Red/Yellow/Green LED Unit \$	25.00 \$ 45.00 \$	200.00 360.00	946 1238	0	7568 9904
480	8	O Incandescent Pedestrian Signals	8	O LED Pedestrial Signals \$	25.00 \$	200.00	946	0	7568
481 Grogan, Jackman & Marketplace 482	4	0 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	4	0 12" Red/Yellow/Green LED Unit \$ 0 LED Pedestrial Signals \$	45.00 \$ 25.00 \$	180.00	1238 946	0	4952
483 Harvest & Laskey	8	1 12" Red/Yellow Green Incandescent Unit	8	1 12" Red/Yellow/Green LED Unit \$	45.00 \$	405.00	1238	151	10055
484 485 Harvest & Monroe	8 8	0 Incandescent Pedestrian Signals 0 12" Red/Yellow Green Incandescent Unit	8	0 LED Pedestrial Signals \$ 0 12" Red/Yellow/Green LED Unit \$	25.00 \$ 45.00 \$	200.00 360.00	946 1238	0	7568 9904
486	8	O Incandescent Pedestrian Signals	8	0 LED Pedestrial Signals \$	25.00 \$	200.00	946	0	7568
487 Haverhill & Phillips 488	7	1 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	7	1 12" Red/Yellow/Green LED Unit \$ 0 LED Pedestrial Signals \$	45.00 \$ 25.00 \$	360.00 75.00	1238 946	151	7485 2838
489 Hawley & Indiana	8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit \$	45.00 \$	360.00	1238	0	9904
490	0	Incandescent Pedestrian Signals 12" Red/Yellow Green Incandescent Unit	0	0 LED Pedestrial Signals \$ 0 12" Red/Yellow/Green LED Unit \$	25.00 \$ 45.00 \$	360.00	946 1238	0	9904
491 Hawley & Nebraska 492	8	O Incandescent Pedestrian Signals	8	0 LED Pedestrial Signals \$	25.00 \$	200.00	946	0	7568
493 Heatherdowns & Key	8	2 12" Red/Yellow Green Incandescent Unit	8	2 12" Red/Yellow/Green LED Unit \$	45.00 \$ 25.00 \$		1238 946	302	10206
494 495 School	8 5	Incandescent Pedestrian Signals 12" Red/Yellow Green Incandescent Unit	8 5	0 LED Pedestrial Signals \$ 0 12" Red/Yellow/Green LED Unit \$		200.00	1238	0	7568 6190
496	2	O Incandescent Pedestrian Signals	2	0 LED Pedestrial Signals \$	25.00 \$	50.00	946	0	1892
497 Hiett & South 498	8 8	0 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	8	0 12" Red/Yellow/Green LED Unit \$ 0 LED Pedestrial Signals \$	45.00 \$ 25.00 \$	360.00	1238 946	0	9904 7568
499 Hiett & Western	4	0 12" Red/Yellow Green Incandescent Unit	4	0 12" Red/Yellow/Green LED Unit \$	45.00 \$	180.00	1238	0	4952
500 501 Hill & Holland Sylvania	4 8	Incandescent Pedestrian Signals 12" Red/Yellow Green Incandescent Unit	4 8	0 LED Pedestrial Signals \$ 0 12" Red/Yellow/Green LED Unit \$	25.00 \$ 45.00 \$	100.00 360.00	946 1238	0	3784 9904
502	8	O Incandescent Pedestrian Signals	8	O LED Pedestrial Signals \$	25.00 \$	200.00	946	o	7568
503 Hill & Keyser School 504	4	0 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	4 2	0 12" Red/Yellow/Green LED Unit \$ 0 LED Pedestrial Signals \$	45.00 \$ 25.00 \$	180.00 50.00	1238 946	0	4952 1892
505 Hill & Richards	6	2 12" Red/Yellow Green Incandescent Unit	6	2 12" Red/Yellow/Green LED Unit \$	45.00 \$	360.00	1238	302	7730
506 507 Hillcrest & Jackman	6 12	0 Incandescent Pedestrian Signals 0 12" Red/Yellow Green Incandescent Unit	6 12	0 LED Pedestrial Signals \$ 0 12" Red/Yellow/Green LED Unit \$	25.00 \$ 45.00 \$	150.00 540.00	946 1238	0	5676 14856
508	2	O Incandescent Pedestrian Signals	2	0 LED Pedestrial Signals \$	25.00 \$	50.00	946	0	1892
509 Hoag & Nebraska	8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit \$	45.00 \$	360.00	1238	0	9904
510 511 Hoehler, Holyoke & Monroe	8 4	0 Incandescent Pedestrian Signals 0 12" Red/Yellow Green Incandescent Unit	8	0 LED Pedestrial Signals \$ 0 12" Red/Yellow/Green LED Unit \$	25.00 \$ 45.00 \$	200.00	946 1238	0	7568 4952
512	2	O Incandescent Pedestrian Signals	2	0 LED Pedestrial Signals \$	25.00 \$	50.00	946	0	1892
513 Holland-Sylvania & Kroger 514	b 8	1 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	6 8	1 12" Red/Yellow/Green LED Unit \$ 0 LED Pedestrial Signals \$	45.00 \$ 25.00 \$	315.00 200.00	1238 946	151 0	7579 7568
515 Homewood & Sylvania	8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit \$	45.00 \$	360.00	1238	0	9016
516 517 Huron & Lagrange	8 6	0 Incandescent Pedestrian Signals 0 12" Red/Yellow Green Incandescent Unit	8 6	0 LED Pedestrial Signals \$ 0 12" Red/Yellow/Green LED Unit \$	25.00 \$ 45.00 \$	200.00 270.00	946 1238	0	7568 6540
518	8	O Incandescent Pedestrian Signals	8	0 LED Pedestrial Signals \$	25.00 \$	200.00	946	0	7568
519 Hydramatic & Jackman 520	6	1 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	6	1 12" Red/Yellow/Green LED Unit \$ 0 LED Pedestrial Signals \$	45.00 \$ 25.00 \$	315.00 150.00	1238 946	151	7579 5676
521 Manhattan	10	1 12" Red/Yellow Green Incandescent Unit	10	1 12" Red/Yellow/Green LED Unit \$	45.00 \$	495.00	1238	151	12531
522 523 I-280 SB Off & Starr	4 8	0 Incandescent Pedestrian Signals 0 12" Red/Yellow Green Incandescent Unit	4 8	0 LED Pedestrial Signals \$ 0 12" Red/Yellow/Green LED Unit \$	25.00 \$ 45.00 \$	100.00 360.00	946 1238	0	3784 9904
524	6	O Incandescent Pedestrian Signals	6	0 LED Pedestrial Signals \$	25.00 \$	150.00	946	0	5676
525 & Suder 526	13	3 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	13 6	3 12" Red/Yellow/Green LED Unit \$ 0 LED Pedestrial Signals \$	45.00 \$ 25.00 \$	720.00 150.00	1238 946	453	16547 5676
527 I-75 NB On, SB Off & Willys	9	0 12" Red/Yellow Green Incandescent Unit	9	0 12" Red/Yellow/Green LED Unit \$	45.00 \$	405.00	1238	o	11142
528 529 Manhattan	0	0 Incandescent Pedestrian Signals 1 12" Red/Yellow Green Incandescent Unit	6	0 LED Pedestrial Signals \$ 1 12" Red/Yellow/Green LED Unit \$	25.00 \$ 45.00 \$	315.00	946 1238	0 151	0 7579
530	4	O Incandescent Pedestrian Signals	4	0 LED Pedestrial Signals \$	25.00 \$	100.00	946	0	3784
531 Springbrook & Talmadge 532	13 0	2 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	13 0	2 12" Red/Yellow/Green LED Unit \$ 0 LED Pedestrial Signals \$	45.00 \$ 25.00 \$	675.00	1238 946	302 0	16396
533 I-475 WB Off & Jackman	6	0 12" Red/Yellow Green Incandescent Unit	6	0 12" Red/Yellow/Green LED Unit \$	45.00 \$	270.00	1238	o	6540
534 535 Indiana & 13th	0	0 Incandescent Pedestrian Signals 0 12" Red/Yellow Green Incandescent Unit	6	0 LED Pedestrial Signals \$ 0 12" Red/Yellow/Green LED Unit \$	25.00 \$ 45.00 \$	270.00	946 1238	0	0 6096
536	8	O Incandescent Pedestrian Signals	8	0 LED Pedestrial Signals \$	25.00 \$	200.00	946	0	7568
537 Jackman & Laskey 538	14 8	2 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	14 8	2 12" Red/Yellow/Green LED Unit \$ 0 LED Pedestrial Signals \$	45.00 \$ 25.00 \$	720.00	1238 946	302 0	16746 7568
539 Jackman & Longfellow School	4	0 12" Red/Yellow Green Incandescent Unit	4	0 12" Red/Yellow/Green LED Unit \$	45.00 \$	180.00	1238	0	4952
540 541 S.C.	2	0 Incandescent Pedestrian Signals 0 12" Red/Yellow Green Incandescent Unit	2 8	0 LED Pedestrial Signals \$ 0 12" Red/Yellow/Green LED Unit \$	25.00 \$ 45.00 \$	50.00 360.00	946 1238	0	1892 9904
542	8	O Incandescent Pedestrian Signals	8	0 LED Pedestrial Signals \$	25.00 \$	200.00	946	o	7568
543 Jefferson & 17th 544	10 8	0 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	10 8	0 12" Red/Yellow/Green LED Unit \$ 0 LED Pedestrial Signals \$	45.00 \$ 25.00 \$	450.00 200.00	1238 946	0	11492 7568
545 Junction & Nebraska	8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit \$	45.00 \$		1238	o	9904
546 547 Kenwood & Secor	8 8	0 Incandescent Pedestrian Signals 2 12" Red/Yellow Green Incandescent Unit	8	0 LED Pedestrial Signals \$ 2 12" Red/Yellow/Green LED Unit \$	25.00 \$ 45.00 \$	200.00 450.00	946 1238	0 302	7568 10206
548	8	O Incandescent Pedestrian Signals	8	0 LED Pedestrial Signals \$	25.00 \$	200.00	946	0	7568
549 Lagrange & Manhattan 550	8 4	2 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	8	2 12" Red/Yellow/Green LED Unit \$ 0 LED Pedestrial Signals \$	45.00 \$ 25.00 \$	450.00 100.00	1238 946	302 0	10206 3784
551 Lagrange & Oakland	8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit \$	45.00 \$	360.00	1238	0	9904
552 553 Lagrange & Sherman	8 10	0 Incandescent Pedestrian Signals 0 12" Red/Yellow Green Incandescent Unit	8 10	0 LED Pedestrial Signals \$ 0 12" Red/Yellow/Green LED Unit \$	25.00 \$ 45.00 \$	200.00 450.00	946 1238	0	7568 12380
554	8	O Incandescent Pedestrian Signals	8	0 LED Pedestrial Signals \$	25.00 \$	200.00	946	0	7568
555 Lagrange & Summit 556	8 8	2 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	8	2 12" Red/Yellow/Green LED Unit \$ 0 LED Pedestrial Signals \$	45.00 \$ 25.00 \$	450.00 200.00	1238 946	302 0	10206 7568
557 Lagrange & Sylvania	8	1 12" Red/Yellow Green Incandescent Unit	8	1 12" Red/Yellow/Green LED Unit \$	45.00 \$	405.00	1238	151	10055
558 559 Laskey & Lewis	8 9	0 Incandescent Pedestrian Signals 0 12" Red/Yellow Green Incandescent Unit	8 9	0 LED Pedestrial Signals \$ 0 12" Red/Yellow/Green LED Unit \$	25.00 \$ 45.00 \$		946 1238	0	7568 10356
560	8	0 Incandescent Pedestrian Signals 4 12" Red/Yellow Green Incandescent Unit	8	0 LED Pedestrial Signals \$	25.00 \$	200.00	946	0	7568
561 Laskey & Secor 562	8 8	O Incandescent Pedestrian Signals	8	4 12" Red/Yellow/Green LED Unit \$ 0 LED Pedestrial Signals \$	45.00 \$ 25.00 \$	540.00 200.00	1238 946	604 0	10508 7568
563 Laskey & Teledyne	6	0 12" Red/Yellow Green Incandescent Unit	6	0 12" Red/Yellow/Green LED Unit \$	45.00 \$	270.00	1238	0	7428
564 565 Lawrence & Monroe	0 10	0 Incandescent Pedestrian Signals 1 12" Red/Yellow Green Incandescent Unit	0 10	0 LED Pedestrial Signals \$ 1 12" Red/Yellow/Green LED Unit \$	25.00 \$ 45.00 \$	495.00	946 1238	0 151	0 12531
566	8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrial Signals \$	25.00 \$		946	0	7568
567 Lewis & Waybridge 568	6 6	0 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	6	0 12" Red/Yellow/Green LED Unit \$ 0 LED Pedestrial Signals \$	45.00 \$ 25.00 \$	270.00 150.00	1238 946	0	7428 5676
569 Main & Second	8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit \$	45.00 \$ 25.00 \$	360.00	1238	0	9904
570 571 Main & Sixth	8 8	0 Incandescent Pedestrian Signals 0 12" Red/Yellow Green Incandescent Unit	8	0 LED Pedestrial Signals \$ 0 12" Red/Yellow/Green LED Unit \$	45.00 \$	360.00	946 1238	0	7568 9904
572 573 Main & Starr	8	O Incandescent Pedestrian Signals	8	0 LED Pedestrial Signals \$	25.00 \$	200.00	946	0	7568
574	9 14	2 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	9 14	2 12" Red/Yellow/Green LED Unit \$ 0 LED Pedestrial Signals \$	45.00 \$ 25.00 \$	495.00 350.00	1238 946	302 0	10556 13244
575 Mulberry	8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit \$	45.00 \$	360.00	1238	0	9904
576 577 Manhattan & Stickney	10 9	0 Incandescent Pedestrian Signals 0 12" Red/Yellow Green Incandescent Unit	10 9	0 LED Pedestrial Signals \$ 0 12" Red/Yellow/Green LED Unit \$	25.00 \$ 45.00 \$	250.00 405.00	946 1238	0	9460 11142
578	8	O Incandescent Pedestrian Signals	8	0 LED Pedestrial Signals \$	25.00 \$	200.00	946	0	7568
579 Matzinger & Stickney 580	9	3 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	9 6	3 12" Red/Yellow/Green LED Unit \$ 0 LED Pedestrial Signals \$	45.00 \$ 25.00 \$	540.00 150.00	1238 946	453 0	11595 5676
581 Maumee & South	8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit \$	45.00 \$	360.00	1238 946	0	9904 7568
582 583 McGregor & Secor	8 8	0 Incandescent Pedestrian Signals 0 12" Red/Yellow Green Incandescent Unit	8	0 LED Pedestrial Signals \$ 0 12" Red/Yellow/Green LED Unit \$	25.00 \$ 45.00 \$	360.00	1238	0	9904
584	8	O Incandescent Pedestrian Signals	8	0 LED Pedestrial Signals \$	25.00 \$	200.00	946	0	7568
585 Mel Simon & Telegraph 586	8 8	0 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	8	0 12" Red/Yellow/Green LED Unit \$ 0 LED Pedestrial Signals \$	45.00 \$ 25.00 \$	360.00 200.00	1238 946	0	9904 7568
587 Miami & Oakdale	6	0 12" Red/Yellow Green Incandescent Unit	6	0 12" Red/Yellow/Green LED Unit \$	45.00 \$	270.00	1238	0	7428
588 589 Midwood & Monroe	0 7	0 Incandescent Pedestrian Signals 0 12" Red/Yellow Green Incandescent Unit	0 7	0 LED Pedestrial Signals \$ 0 12" Red/Yellow/Green LED Unit \$	25.00 \$ 45.00 \$	315.00	946 1238	0	0 8666
590	6	O Incandescent Pedestrian Signals	6	0 LED Pedestrial Signals \$	25.00 \$	150.00	946	0	5676
591 Monroe & Monroe-Secor Park 592	6 6	0 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	6	0 12" Red/Yellow/Green LED Unit \$ 0 LED Pedestrial Signals \$	45.00 \$ 25.00 \$	270.00 150.00	1238 946	0	7428 5676
593 Monroe & Monroe St. Plaza	8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit \$	45.00 \$	360.00	1238	ō	9904
594 595 Monroe, Nantucket & Statesville	8 8	0 Incandescent Pedestrian Signals 0 12" Red/Yellow Green Incandescent Unit	8	0 LED Pedestrial Signals \$ 0 12" Red/Yellow/Green LED Unit \$	25.00 \$ 45.00 \$	200.00 360.00	946 1238	0	7568 9904
596 597 Monroe & Ontario	8 8	O Incandescent Pedestrian Signals	8	0 LED Pedestrial Signals \$	25.00 \$ 45.00 \$	200.00	946 1238	0	7568 9904
598	8 8	0 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	8	0 12" Red/Yellow/Green LED Unit \$ 0 LED Pedestrial Signals \$	25.00 \$	200.00	946	0	7568
599 Monroe & Parkwood (Relocated)	7	0 12" Red/Yellow Green Incandescent Unit	7	0 12" Red/Yellow/Green LED Unit \$	45.00 \$	315.00	1238	0	8666

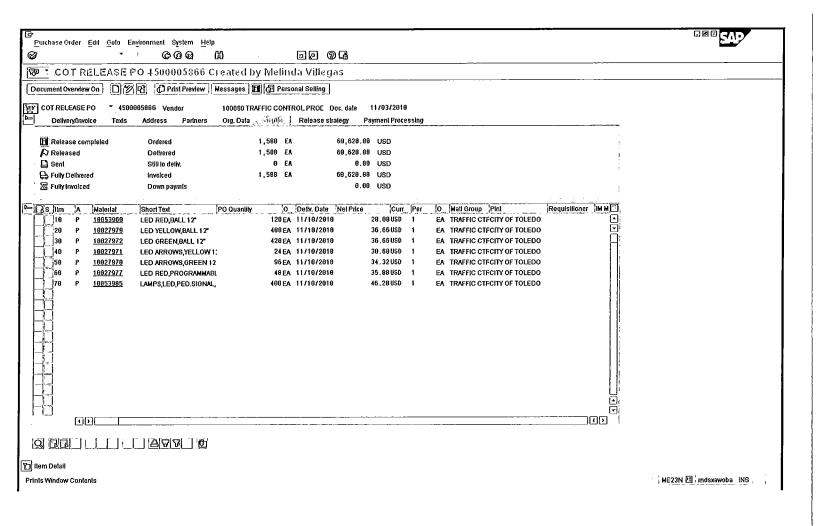
00 01 Monroe & Plaza Apartments	6 4	0 Incandescent Pedestrian Signals 0 12" Red/Yellow Green Incandescent Unit	6	0 LED Pedestrial Signals \$ 0 12" Red/Yellow/Green LED Unit \$	25.00 45.00	\$ 150.00 \$ 180.00	946 1238	0	56 49
02	2	O Incandescent Pedestrian Signals	2	0 LED Pedestrial Signals \$	25.00	\$ 50.00	946	0	18
D3 Monroe & Secor	12 8	9 12" Red/Yellow Green Incandescent Unit O Incandescent Pedestrian Signals	12 8	9 12" Red/Yellow/Green LED Unit \$ 0 LED Pedestrial Signals \$		\$ 945.00 \$ 200.00	1238 946	1359	162 75
05 Monroe & 17th	8	1 12" Red/Yellow Green Incandescent Unit	8	1 12" Red/Yellow/Green LED Unit \$	45.00	\$ 405.00	1238	151	100
06 07 Monroe & Sylvania	8	0 Incandescent Pedestrian Signals 2 12" Red/Yellow Green Incandescent Unit	8 10	0 LED Pedestrial Signals \$ 2 12" Red/Yellow/Green LED Unit \$	25.00 45.00	\$ 200.00 \$ 540.00	946 1238	0 302	75 118
08	4	O Incandescent Pedestrian Signals	4	0 LED Pedestrial Signals \$		\$ 100.00	946	0	37
09 Monroe & Talmadge 10	14 8	3 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	14 8	3 12" Red/Yellow/Green LED Unit \$ 0 LED Pedestrial Signals \$	45.00 25.00	\$ 765.00 \$ 200.00	1238 946	453 0	177 75
11 Morrison & 6th	6	0 12" Red/Yellow Green Incandescent Unit	6	0 12" Red/Yellow/Green LED Unit \$	45.00	\$ 270.00	1238	0	74
12 13 Navarre & Oak	6 8	0 Incandescent Pedestrian Signals 0 12" Red/Yellow Green Incandescent Unit	6 8	0 LED Pedestrial Signals \$ 0 12" Red/Yellow/Green LED Unit \$	25.00 45.00	\$ 150.00 \$ 360.00	946 1238	0	56 99
14	8	O Incandescent Pedestrian Signals	8	0 LED Pedestrial Signals \$	25.00	\$ 200.00	946	0	75
15 Navarre & White 16	9 8	3 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	9	3 12" Red/Yellow/Green LED Unit \$ 0 LED Pedestrial Signals \$	45.00 25.00	\$ 540.00 \$ 200.00	1238 946	453 0	115 75
17 Nebraska & Parkside	9	2 12" Red/Yellow Green Incandescent Unit	9	2 12" Red/Yellow/Green LED Unit \$	45.00	\$ 495.00	1238	302	105
18 19 Nebraska & Westwood	12 8	0 Incandescent Pedestrian Signals 3 12" Red/Yellow Green Incandescent Unit	12 8	0 LED Pedestrial Signals \$ 3 12" Red/Yellow/Green LED Unit \$	25.00 45.00	\$ 300.00 \$ 495.00	946 1238	0 453	113
20	8	O Incandescent Pedestrian Signals	8	0 LED Pedestrial Signals \$	25.00	\$ 200.00	946	0	75
21 Nevada & Oak 22	8 8	0 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	8	0 12" Red/Yellow/Green LED Unit \$ 0 LED Pedestrial Signals \$	45.00 25.00	\$ 360.00 \$ 200.00	1238 946	0	99 75
23 Nevada, Potter & Woodville	13	0 12" Red/Yellow Green Incandescent Unit	13	0 12" Red/Yellow/Green LED Unit \$	45.00	\$ 585.00	1238	0	160
24 25 Newton & St. Clair Flasher	8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrial Signals \$ 0 12" Red/Yellow/Green LED Unit \$	25.00 45.00	\$ 200.00	946 1238	0	75 37
25 Newton & St. Clair Flasher 26	3 0	0 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	3 0	0 LED Pedestrial Signals \$	25.00 25.00	\$ 135.00 \$	946	0	3.
27 New Towne Square & Telegraph	6	0 12" Red/Yellow Green Incandescent Unit	6	0 12" Red/Yellow/Green LED Unit \$	45.00	\$ 270.00	1238	0	74 56
28 29 North Cove & Upton	6 9	0 Incandescent Pedestrian Signals 0 12" Red/Yellow Green Incandescent Unit	6 9	0 LED Pedestrial Signals \$ 0 12" Red/Yellow/Green LED Unit \$		\$ 150.00 \$ 405.00	946 1238	0	11
30	8	O Incandescent Pedestrian Signals	8	0 LED Pedestrial Signals \$	25.00	\$ 200.00	946	0	7
31 North Haven & Sylvania 32	8	0 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	8	0 12" Red/Yellow/Green LED Unit \$ 0 LED Pedestrial Signals \$	45.00 25.00	\$ 360.00 \$ 200.00	1238 946	0	9:
33 Notre Dame & Sylvania	6	0 12" Red/Yellow Green Incandescent Unit	6	0 12" Red/Yellow/Green LED Unit \$	45.00	\$ 270.00	1238	0	74
34 35 Oak & Woodville	6	0 Incandescent Pedestrian Signals 1 12" Red/Yellow Green Incandescent Unit	6 9	0 LED Pedestrial Signals \$ 1 12" Red/Yellow/Green LED Unit \$	25.00 45.00	\$ 150.00 \$ 450.00	946 1238	0 151	5i 9i
36 Oak & Woodville	8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrial Signals \$	45.00 25.00	\$ 450.00 \$ 200.00	946	151	7:
37 Flasher (only Amber bulbs)	2	0 12" Red/Yellow Green Incandescent Unit	2	0 12" Red/Yellow/Green LED Unit \$		\$ 90.00	1238	0	24
38 39 Oakwood & Upton	0 8	0 Incandescent Pedestrian Signals 0 12" Red/Yellow Green Incandescent Unit	0	0 LED Pedestrial Signals \$ 0 12" Red/Yellow/Green LED Unit \$	25.00 45.00	\$ - \$ 360.00	946 1238	0	99
40	8	O Incandescent Pedestrian Signals	8	0 LED Pedestrial Signals \$	25.00	\$ 200.00	946	ō	7
41 108th & Summit 42	6	0 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	6	0 12" Red/Yellow/Green LED Unit \$ 0 LED Pedestrial Signals \$	45.00 25.00	\$ 270.00 \$ 150.00	1238 946	0	7 5
43 116th & Summit	8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit \$	45.00	\$ 360.00	1238	0	9
44 45 124th & Summit	8	0 Incandescent Pedestrian Signals 0 12" Red/Yellow Green Incandescent Unit	8	0 LED Pedestrial Signals \$ 0 12" Red/Yellow/Green LED Unit \$	25.00 45.00	\$ 200.00 \$ 360.00	946 1238	0	7. 9
46	8 8	O Incandescent Pedestrian Signals	8	0 LED Pedestrial Signals \$	25.00	\$ 200.00	946	0	7.
47 131st & Summit	8	2 12" Red/Yellow Green Incandescent Unit	8	2 12" Red/Yellow/Green LED Unit \$	45.00	\$ 450.00	1238	302	10
48 49 Ottawa, South Cove & Upton	8 8	0 Incandescent Pedestrian Signals 0 12" Red/Yellow Green Incandescent Unit	8	0 LED Pedestrial Signals \$ 0 12" Red/Yellow/Green LED Unit \$	25.00 45.00	\$ 200.00 \$ 360.00	946 1238	0	7! 9!
50	8	O Incandescent Pedestrian Signals	8	0 LED Pedestrial Signals \$	25.00	\$ 200.00	946	0	7
51 Parakeet, Sylvania & Watson 52	8	0 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	8	0 12" Red/Yellow/Green LED Unit \$ 0 LED Pedestrial Signals \$	45.00 25.00	\$ 360.00 \$ -	1238 946	0	9
53 Parkside & Saint Hyacinth School	4	0 12" Red/Yellow Green Incandescent Unit	4	0 12" Red/Yellow/Green LED Unit \$		\$ 180.00	1238	0	45
54 55 Paxton & Stickney	4 6	0 Incandescent Pedestrian Signals 0 12" Red/Yellow Green Incandescent Unit	4	0 LED Pedestrial Signals \$ 0 12" Red/Yellow/Green LED Unit \$	25.00 45.00	\$ 100.00 \$ 270.00	946 1238	0	37
55 Paxton & Stickney 56	6	0 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	6	0 12" Red/Yellow/Green LED Unit \$ 0 LED Pedestrial Signals \$	45.00 25.00	\$ 270.00	1238 946	0	5
57 Secor & Sylvania	10	0 12" Red/Yellow Green Incandescent Unit	10	0 12" Red/Yellow/Green LED Unit \$	45.00	\$ 450.00	1238	0	9
58 59 Secor & Towerview	8	0 Incandescent Pedestrian Signals 3 12" Red/Yellow Green Incandescent Unit	8	0 LED Pedestrial Signals \$ 3 12" Red/Yellow/Green LED Unit \$	25.00 45.00	\$ 200.00 \$ 405.00	946 1238	0 453	7:
60	2	O Incandescent Pedestrian Signals	2	0 LED Pedestrial Signals \$		\$ 50.00	946	0	11
61 Secory & Trilby School 62	4 2	0 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	4 2	0 12" Red/Yellow/Green LED Unit \$ 0 LED Pedestrial Signals \$	45.00 25.00	\$ 180.00 \$ 50.00	1238 946	0	49
63 Secor & Valleston	5	0 12" Red/Yellow Green Incandescent Unit	5	0 12" Red/Yellow/Green LED Unit \$	45.00	\$ 225.00	1238	0	5
64 65 South & Spencer	2	0 Incandescent Pedestrian Signals 2 12" Red/Yellow Green Incandescent Unit	2	0 LED Pedestrial Signals \$ 2 12" Red/Yellow/Green LED Unit \$	25.00 45.00	\$ 50.00 \$ 450.00	946 1238	0 302	10
66	8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrial Signals \$	25.00 25.00	\$ 200.00	946	0	102
67 South & Thayer	6	0 12" Red/Yellow Green Incandescent Unit	6	0 12" Red/Yellow/Green LED Unit \$	45.00	\$ 270.00	1238	0	74
68 69 South & Woodsdale	8	0 Incandescent Pedestrian Signals 0 12" Red/Yellow Green Incandescent Unit	8	0 LED Pedestrial Signals \$ 0 12" Red/Yellow/Green LED Unit \$	25.00 45.00	\$ 200.00 \$ 360.00	946 1238	0	7! 9!
70	8	O Incandescent Pedestrian Signals	8	0 LED Pedestrial Signals \$	25.00	\$ 200.00	946	0	7
71 Spencer & Western 72	8 8	0 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	8	0 12" Red/Yellow/Green LED Unit \$ 0 LED Pedestrial Signals \$	45.00 25.00	\$ 360.00 \$ 200.00	1238 946	0	9: 7:
73 Starr & White	8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit \$	45.00	\$ 360.00	1238	0	99
74 75 & Westbrook	8 8	0 Incandescent Pedestrian Signals 0 12" Red/Yellow Green Incandescent Unit	8	0 LED Pedestrial Signals \$ 0 12" Red/Yellow/Green LED Unit \$		\$ 200.00 \$ 360.00	946 1238	0	7.
76	8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrial Signals \$	25.00	\$ 200.00	946	0	7.
77 Sylvania & Talmadge 78	12 8	1 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	12 8	1 12" Red/Yellow/Green LED Unit \$ 0 LED Pedestrial Signals \$		\$ 585.00 \$ 200.00	1238 946	151	14 7
79 Sylvania & Upton	8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit \$		\$ 360.00	1238	0	99
80	8	0 Incandescent Pedestrian Signals 0 12" Red/Yellow Green Incandescent Unit	8	0 LED Pedestrial Signals \$ 0 12" Red/Yellow/Green LED Unit \$	25.00 45.00	\$ 200.00 \$ 360.00	946 1238	0	7: 9:
B1 Sylvania & Violet B2	8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrial Signals \$	45.00 25.00	\$ 360.00 \$ 200.00	946	0	7:
83 Sylvania & Woodley	6	0 12" Red/Yellow Green Incandescent Unit	6	0 12" Red/Yellow/Green LED Unit \$		\$ 270.00	1238	0	7
84 85 Tremainsville & Whitmer	6	0 Incandescent Pedestrian Signals 0 12" Red/Yellow Green Incandescent Unit	6	0 LED Pedestrial Signals \$ 0 12" Red/Yellow/Green LED Unit \$	25.00 45.00	\$ 150.00 \$ 270.00	946 1238	0	5 7
86	6	O Incandescent Pedestrian Signals	6	0 LED Pedestrial Signals \$	25.00	\$ 150.00	946	0	5
87 Tremainsville & Wichita 88	6	0 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	6	0 12" Red/Yellow/Green LED Unit \$ 0 LED Pedestrial Signals \$	45.00 25.00	\$ 270.00 \$ 150.00	1238 946	0	7- 5-
89 Varland & Woodville	8	2 12" Red/Yellow Green Incandescent Unit	8	2 12" Red/Yellow/Green LED Unit \$	45.00	\$ 450.00	1238	302	10
90 91 Auburn & South Cove	8	0 Incandescent Pedestrian Signals 0 12" Red/Yellow Green Incandescent Unit	8	0 LED Pedestrial Signals \$ 0 12" Red/Yellow/Green LED Unit \$	25.00 45.00	\$ 200.00 \$ 360.00	946 1238	0	7. 9
92	4	O Incandescent Pedestrian Signals	4	0 LED Pedestrial Signals \$	25.00	\$ 100.00	946	0	3
93 Bronx & South 94	6	0 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	6	0 12" Red/Yellow/Green LED Unit \$ 0 LED Pedestrial Signals \$	45.00 25.00	\$ 270.00 \$ 100.00	1238 946	0	7
95 Cheltenham & Old Orchard Sc	4	0 12" Red/Yellow Green Incandescent Unit	4	0 12" Red/Yellow/Green LED Unit \$	45.00	\$ 180.00	1238	0	4
96 97 DeVibiss & Phillips	2 6	O Incandescent Pedestrian Signals O 12" Red/Yellow Green Incandescent Unit	2	0 LED Pedestrial Signals \$ 0 12" Red/Yellow/Green LED Unit \$	25.00 45.00	\$ 50.00 \$ 270.00	946 1238	0	7
97 Devibiss & Phillips 98	0	0 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	0	0 12" Red/Yellow/Green LED Unit \$ 0 LED Pedestrial Signals \$		\$ 270.00	1238 946	0	,
99 Forest & Lincoln	6	0 12" Red/Yellow Green Incandescent Unit	6	0 12" Red/Yellow/Green LED Unit \$	45.00	\$ 270.00	1238	0	7
00 01 King School & Lawrence	10 4	0 Incandescent Pedestrian Signals 0 12" Red/Yellow Green Incandescent Unit	10 4	0 LED Pedestrial Signals \$ 0 12" Red/Yellow/Green LED Unit \$		\$ 250.00 \$ 180.00	946 1238	0	9.
02	2	O Incandescent Pedestrian Signals	2	0 LED Pedestrial Signals \$	25.00	\$ 50.00	946	ō	1
03 Navarre & Navarre School 04	4 2	0 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	4 2	0 12" Red/Yellow/Green LED Unit \$ 0 LED Pedestrial Signals \$		\$ 180.00 \$ 50.00	1238 946	0	4
05 Nelson & Woodsdale	8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit \$	45.00	\$ 360.00	1238	0	9
D6 D7 Nevada & Ravmer	8 8	0 Incandescent Pedestrian Signals 0 12" Red/Yellow Green Incandescent Unit	8	0 LED Pedestrial Signals \$ 0 12" Red/Yellow/Green LED Unit \$		\$ 200.00 \$ 360.00	946 1238	0	7
08	8	O Incandescent Pedestrian Signals	8	0 LED Pedestrial Signals \$	25.00	\$ 200.00	946	0	7
09 Nevada & White	8 8	0 12" Red/Yellow Green Incandescent Unit 0 Incandescent Pedestrian Signals	8	0 12" Red/Yellow/Green LED Unit \$ 0 LED Pedestrial Signals \$		\$ 360.00 \$ 200.00	1238 946	0	9
	6	0 12" Red/Yellow Green Incandescent Unit	6	0 12" Red/Yellow/Green LED Unit \$	45.00	\$ 270.00	1238	0	7
10 11 Sherman & Walnut	6	0 Incandescent Pedestrian Signals 1 12" Red/Yellow Green Incandescent Unit	6	0 LED Pedestrial Signals \$ 1 12" Red/Yellow/Green LED Unit \$	25.00	\$ 150.00	946 1238	0 151	51 75
11 Sherman & Walnut 12		0 Incandescent Pedestrian Signals	6	1 12" Red/Yellow/Green LED Unit \$ 0 LED Pedestrial Signals \$		\$ -	1235	121	
11 Sherman & Walnut	0	317				\$ 200,080.00			5,706,8
11 Sherman & Walnut 12 13 Detroit & Lagrange	0 5175	5403							
11 Sherman & Walnut 12 13 Detroit & Lagrange 14	0	5492					JI.		
11 Sherman & Walnut 12 13 Detroit & Lagrange 14 Lighting Table 12" Red/Yellow/Green LED Unit	0 5175 Total # of units	5492					ļ		
11 Sherman & Walnut 12 13 Detroit & Lagrange 14 Lighting Table 12" Red/Yellow/Green LED Unit LED Pedestrial Signals	0 5175 Total # of units 1238 946	5492							
11 Sherman & Walnut 12 13 Detroit & Lagrange 14 Lighting Table 12" Red/Yellow/Green LED Unit LED Pedestrial Signals 12" Yellow/Green LED Arrows Yellow/Green LED Arrows Yellow/Flashes	0 5175 Total # of units 1238 946 151 600	5492							
11 Sherman & Walnut 12 13 Detroit & Lagrange 14 12 Red/Yellow/Green LED Unit LED Pedestrial Signals 12" Yellow/Green ED Arrows Yellow Flasher Red Flasher	0 5175 Total # of units 1238 946 151 600 631	5493							
11 Sherman & Walnut 12 13 Detroit & Lagrange 14 Lighting Table 12" Red/Yellow/Green LED Unit LED Pedestrial Signals 12" Yellow/Green LED Arrows Yellow/Green LED Arrows Yellow/Flashes	0 5175 Total # of units 1238 946 151 600 631 75	5492							
11 Sherma & Wahut 12 13 Detroit & Lagrange 14 14 14 14 14 14 14 16 16 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	0 5175 Total # of units 1238 946 1511 600 631 75 76	549 <u>)</u>							
11 Sherman & Walnut 12 13 Detroit & Lagrange 14 14 14 12 12 Red/rellow/Green LED Unit LED Pedestrial Signals 12" Yellow/Green LED Arrows Yellow Risher Red Flasher Yellow Arrows Green Arrows	0 5175 Total # of units 1238 946 151 600 631 75	5493							

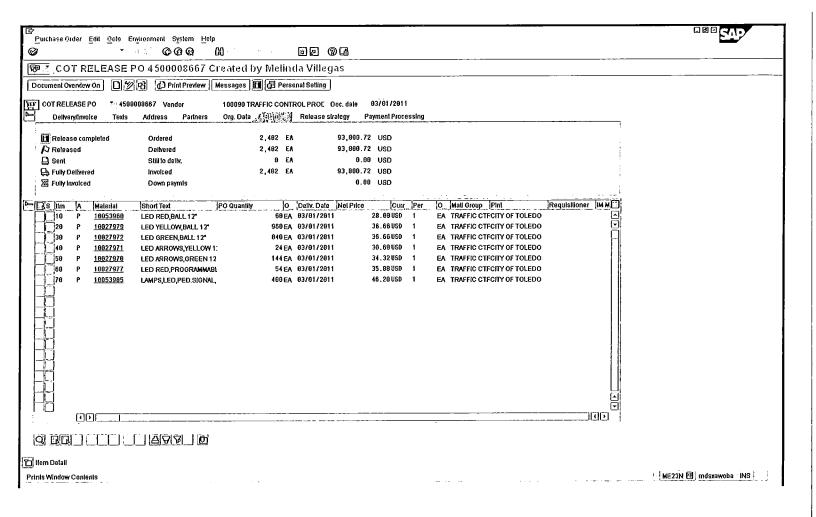


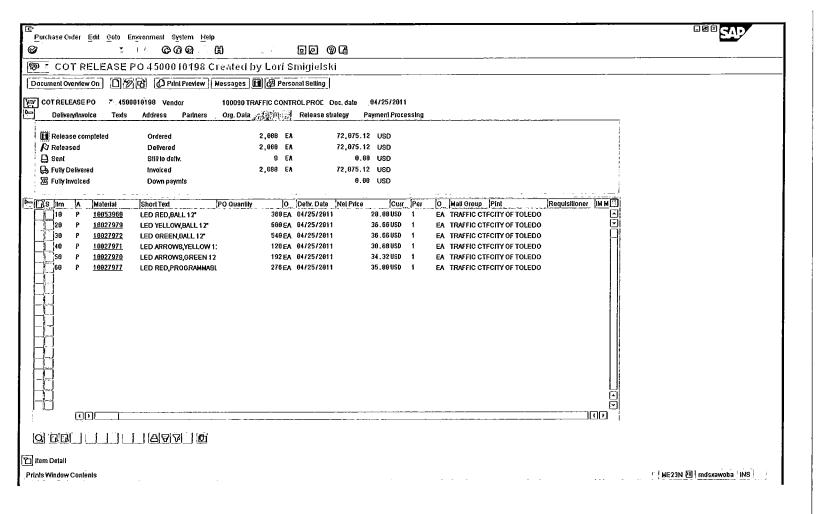
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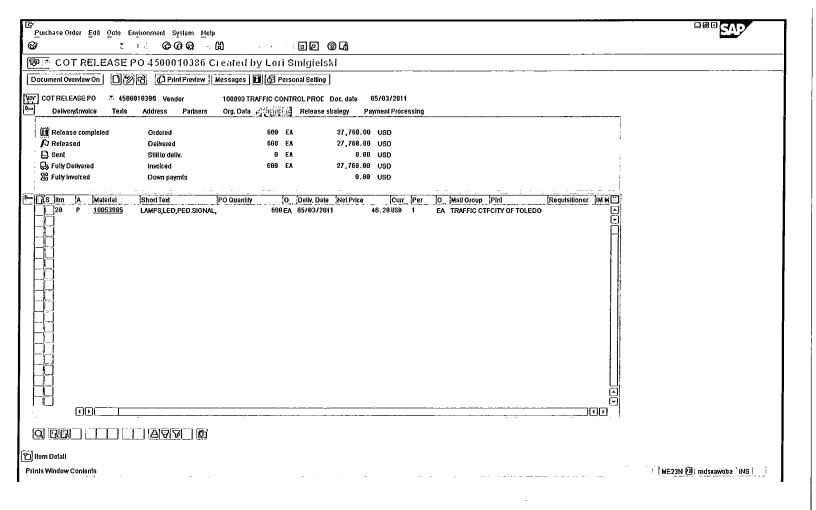
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20 K 16027979 LED YELLOW, BALL 12"	25EA 19/84/2819 36.66USD 1 EA TRAFFIC CTFCITY OF TOLEDO	
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Attachment C

Date	Total Units Ordered	To	otal
4/28/2010	2,208	\$	107,724.72
9/16/2010	1,632	\$	65,382.72
10/4/2010	75	\$	2,691.00
11/10/2010	1,588	\$	60,628.88
3/1/2011	2,482	\$	93,800.72
4/25/2011	2,088	\$	72,075.12
5/3/2011	600	\$	27,768.00
	10,673	\$	430,071.16

Number PRINTERSON BRECKON ASSESSED IN	*change peds*MI1EDs	35.Comple F.Completed by	ED-23	Date Completed II	Red Bilta	VAM'B' HA	Kur Brigh	m'AmbriAmo	TO 3M Red		Esmann asin Gra		MCZH KHIZW	2015;
1 Adams < Franklin & 17th	o	TRUE J Buffer	FALSE	17~Jun-10	8	6	O9	0	0	9	0	3	6	٥
3 Airport & Byrne	0	TRUE Butter/Ramsey	FALSE	28-Jun-10	11	ds	6	8	8	О	0	·	8 8	8
4 Airport, Detroit & Fearing	0	TRUE Tumer/Butter	FALSE	17-Jan-10	8	6	6	-	-	0	0	0,	٦	0
South	О	TRUEH Fowler	FALSE	13-Aug-10	80	8	26	0	0	Z	M	N		٥
6 Airport & St. Charles School	o	TRUE B Turner	FALSE	28~Jun-10	4	4	4	0	0	0	8	.`		٥
7 Albion, AMC & Central	0	TRUE J Butter	FALSE	16-Jun-11	0	6	3	1	-	ō	0		8	٥
8 Alexis & Benore Furtura	0	ш	FALSE		6	6	8	٥	ঝ	0	0	_	8	9
9 Alexis, Benore & Enterprise	0	TRUE C Cameron	FESS	27-Mar-12	9	8	8	0	8	8	0	3		ী
10 Alexis, E. Harbor & Suder	0	ш	FALSE	26-Jun-10	3	35	8	0	8	\$	0	5	8	٥
11 Alexis & Hagman	0	ш	FALSE	06-Jan-12	8	8	8	-	Ŧ	5	0	٠ د	छ	٥
12 Alexis & L75 (SB)	o	TRUEICIEW	FALSE	09-Jan-12	8	8	6	-	7	0	0	0	0	٥
13 Alexis & L75 (NB)	0	TRUECrew	FALSE	11~Jan-12	8	9	4	٣	ಹ	0	8	Ö	0	٥
14 N. Cove	O	TRUE J Kowalski	FALSE		Ö	9	7	o	9	7	ম	9	0	0
15 AMC, North Cove & Willys	0	TRUE J Kowalski	FALSE	29-Jan-12	છ	19	19	6	2	O	0	ر م	0 0	ō
16 Andersons, Ariel & Talmadge	0	TRUER Ruetz	FALSE	30-Mar-12	0	8	क	0	o	o	0	7	8 8	O
17AWT & City Park	ĸ	TRUE	TRUE		0	ō	6	0	o	0	0)	0 0	0
18 AWT & Glendale South	o	TRUE	FALSE	07-Sep-11	0	ō	0	0	ō	0	0	0	0 0	٥
19 AWT, Harvard & Woodsdale	0	TRUE Ramsey	FALSE	02-Jul-11	0	0	σ	0	0	ō	b	0	8	Ö
20 AWT, Hawley & South	7	TRUE	TRUE	24-Feb-11	o	Ð	0	0	0	0	Ð	6	0	18
21 AWT, Shepler & Western	9	TRUE B Brown	TRUE	02-May-11	0	14	13	8	e	9	0) (0 0	16
22 Artington & Detroit	0	TRUEKI	FALSE	18-Jun-11	ъ	8	8	-	+	ō	0	0	8	٥
23 Arlington & MCO	8	TRUE B Tumer	FALSE	07-May-11	8	ю	g	0	0	ō	0	8	ਠ	8
24 Artington & Woodsdale	ō	TRUE H Fowler	FALSE	14-Aug-10	8	8	8	0	О	0	0	0	0	8
25 Ashland & Bancroft	8	TRUE Cameron	TRUE	02-Feb-12	0	8	8	0	0	0	0	0	8	0
26 Ashtand & Collingwood	2	TRUE B Tumer	TRUE	31-Jul-10	7	2	7	1	1	4	4	4	9	٥
27 Aubum & Bancroft	O	TRUEJ Kawalski	FALSE	13-Aug-11	1	83	8	+	-	0	0	0	0	0
28 Aubum & Central	ш	TRUE Fred	TRUE		0	8	8	o	ō	5	0	8	0	æ
29 Aubum, Monroe & Ottawa	5	TRUE R Ruetz	TRUE	05-Feb-12	2	ಹ	۲	1	7	0	0		8	٥
30 Bancroff & Campus	6	TRUE J Butter	FALSE	10-May-11	0	Ø	দ	Ø	ਲ	0	0	0	4	0
31 Bancroft & Chettenhern	ম	TRUE J Kowalski	TRUE	11-Dec-11	8	ø	9	o	ō	0	o	0	9	4
32 Bancroft & Collingwood	0	TRUE Ramsey	FALSE	07-Feb-12	ð	e)	9	o	0	0	0	0	8	0
33 Bancroff & Detroit	4	TRUE C Cameron	TRUE	25-Apr-12	ಶ	13	<u>e</u>	o	LC)	0	6	1,	14	O
34 Bancroft & Franklin	80	TRUELIne	TAGE	08~Jul-10	8	86	8	0	0	0	9	8	0	80
35 Bancroff & Holland-Sylvania	8	TRUEIR Philips	FALSE	30-Jan-11	*	8	8	e	e	8	a	8	8	٥
36 Bancroff, Indian & Secor	8	TRUEIR Philips	FALSE	04-Mar-11	9	7	*	9	F	리	9		8	9
37 Bancroff & Lagrange	8	TRUE CC 5/18/11	FAISE		•	8	8	9	<u>=</u>				8	ণ
38 Bancroff & Monroe	60	TRUE R RUETZ	THUE!		8	N	4	-	ম					9
39 Bancott, Ottawa & Parkside	4	TRUE Moore/Ramsey		28-Jun-11	8	77 80	8	~	ख ख	8	0	2	_	٩
40 Bancroff & Parkwood	5	IRUER Philips	EASI	11-Jun-11	8		₹	-		-	0		80	٩
4 i bandoli & ot. Francis n.o.	5 0	True J Burer		DI-10-10	1	1	+	=		5 0	= 1			Î
42 Banctori & Scottwood	5	TOTAL PRINTS	¥.	05-CID-13	5	ø	8	5	8	8	5		8	9
43 Bancroff & Sylvan	0	TRUE C Cameron	FALSE	05-Mar-12	0	8	æ	0	0	8	0		8	٥
44)Hills	0 :	TRUE J Butter	FALSE	28-Jun-11	0	6	œ.	₹	4	0	0	2		0
45 Bancroft & Upton	11	TRUE crew	TRUE	27-Mar-12	5	10	æ	ų,	٢	0	0	5	8	4
46 Bancroft & Westwood	8	TRUE J Kowalski	FALSE	25-Nov-11	0	F	7	-	-	0	6	0	0	6
47 Bates & Collingwood	ō	TRUE B Tumer	FALSE	14-May-11	8	4	0	٥	0	0	8	ò	4	٥
48 Bellevue & Sylvania	6	TRUE J Kowalski	FALSE	24-Nov-11	0	•	0	٥	0	9	8	8	0	۵
49 Beimar, Sylvania & Torrance	5	TRUER RUETZ	Y SE	09-Jan-12	9	9		=	5	=	8	8	8	8
Su Bemort & Detroit	5	I KUE K Kamsey	3	07~Jan-12	ᅥ	60		۰	9		9	8	æ	1
51 Bennett, Eleanor & Waggoner	3	TRUEIH Moore	FALSE		8	22	122	9	티	=	8	8	æ	9

52 Bennett & Laskey	-	TRUER Ramsey	Raimsey	TRUE	05-Jan-11	**	8	80	-	-	8	0	8	ಹ	8
53 Benore, Suder & Shoreland	o	TRUECO	C Cameron	FALSE	08-Jan-12	0	10	10	1	1	0	0	o	8	8
54 Berdan, Cherry, Detroit & Ursula	7	TRUE J Kowalski	owalski	TRUE		8	14	8	0	છ	0	0	o	7	z
55 Berdan & Douglas	0	TRUERP	R Phillips	FALSE	29-Aug-10	8	8	ಹ	٥	8	0	0	ō	0	0
56 Berdan, Haverhill & 1-75 SB On	4	TRUELIK	J Kowalski	TRUE	08-Dec-11	2	12	4	o	<u></u>	0	8	0		N N
57 Berdan & L75 NB Off	0	TRUE J kowalski	owelski	FALSE	03-Dec-11	8		0	o	0	ō	o	0	2	7
58 Berdan & Jackman	ь	TRUEJ Kowalski	owalski	FALSE	14-Aug-11	0	8	80	ō	0	8	6	0	8	0
59 Berdan & Martha	6	TRUEJK	J Kowalski	FALSE	28-Aug-11	0	8	8	\$	0	8	8	О	8	8
60(Berdan & N. Cove (Jeep Pkwy)	7	TRUEHI	H Moore	TRUE	30-Apr-12	0	36	7	ō	7	, o	0	ъ	5	25
61 Berdan & Upton	o	TRUEJK	JE J Kowalski	FALSE		О	8	8	o	0	0	o	8	8	8
62 Berdan WB RT at Haverhill	0	TRUELIK	owalski	TRUE	08-Dec-11	R	त्य	2	o	0	0	0	0	2	2
63 Berdan & Willys	8	TRUELY	E J Kowalski	FALSE		6	10	10	0	0	8	0	0		ম
64 Birchwood & Heatherdowns	ð	TRUEJK	J Kowalski	FALSE	14-Aug-11	ō	8	80	0	0	0	8	0	5	0
65 Blanchard, Manhattan & Phillips	12	TRUEJK	E J Kowalski	TRUE	11-Mar-12	æ	Œ	~	N	च	0	0	8	0	0
86 Blue Cross, Harvest & Sylvania	O	TRUER	E R Ramsey	FALSE	03-Sep-11	0	8	8	0	0	0	6	8	80	80
67 Bowen & Sylvania	ō	TRUEJK	Kowalski	FALSE	23-Dec-11	0	8	8	0	8	6	8	8	6	0
68 Tremainsville	4		R Ramsey	TRUE	06-Aug-11	0	8	8	o	-	6	o	0	<u>전</u>	ধ
69 Broadway & Clayton	N	TRUEJB	J Buffer	TRUE		0	<u>a</u>	9	N	ᅜ	8	8	8		ম
70 Broadway, Courtland & Segur	0	TRUEJK	J Kowalski	TRUE		٥	Ø	4	-	4	4	*	*		6
71) Broadway, Eastern & Maumee	2	TRUEJK	J Kowalski	TRUE	21-Sep-11	8	8	ø	ø	য	ম	N	N	_	9
72 Broadway, Newbury & Stebbins	2	TRUER	R Ramsey	TRUE	11~Jan-12	4	4	4	8	0	8	0	8	8	7
73 Broadway & Newton	0	TRUEJB	J Butter	FALSE	22-Jun-11	o	8	9	0	Z	9	0	0	8	8
74 Brosdway & Orchard	22	TRUERR	RR 1/10	TRUE	12-Jan-12	4	ੋ ₹	4	0	ō	8	Б	0	ম	N
75 Broadway & South	6	TRUER	R Ramsey	FALSE	14-Jan-12	0	6	0	0	0	8	o	8	0	0
78 Broadway & Walbridge	20	TRUER	R Ruetz	TRUE	12~Jan-12	0	8	8	0	ਠ	8	5	0	æ	80
77 Broadway & Western	7	TRUEIC	C Cameron	TRUE	15-Nov-11	a	40	8	N	ম	0	0	8	8	8
78 Broadway & Zoo	8	TRUEIC	C Cameron	FALSE	15-Nov-11	0	4	4	9	-	-	5	0	ম	ঝ
79 Buckeye & Superior Flasher	0	TRUER Ruetz	Zinetz .	FALSE	14-Jan-12	8	0	0	0	0	8	-	0	0	8
80 BBGB & Galena	6	TRUE Crew	A.G	FALSE	19-Sep-11	8	<u> </u>	(A)	=	ल	3	5	0	N	ম
81 Buckingham & Detroit	6	W	Ramsey	FALSE	18-Jul-11	0	ę	ē	N	4	8	0	0	8	8
82 Byrne, Copland & Folkstone	0	ш	C Cameron	FALSE	08~Jun-11	8	9	P	0	8	8	<u> </u>	8	60	8
83 Byrne, Detroit & Devonshire	7	ш	J Kowalski	TRUE	10-Jul-11	8	7	6	0	ম	-	0	6	œ	G .
84 Byrne & Dorr	-	TRUEJB	J Butter	THUE	15-34-11	0	F	ल	-	क	8	8	8	8	8
Bo Byme, Glanzman & Winston	8	TRUEJK	J Kawaiski	FALSE	08-May-11	9	-	<u>Б</u>	9	m	8	8	8		8
88 Byrne & Glendale	0	TRUE Butter/Ram	der/Ramsey	FALSE	03-Jul-10	٠	4	80 -	N,	8	0 0	8	8	9 9	<u>ब</u> ्
or leyling or negation comits	5 6	יהמטיו	Nawaiski	100	11-Mn4-71	†	•	+		= -	7	# (#		5 1
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90 Cardnal & Monroe		TRIFIE	R Risetz	TRUE	48 Eet 12	-	1 F		-	- -	12	1	1	1	14
91 Cass & Glendale	0	ıω	J Kowalski	FALSE	08-May-11	8	12	9	4		8	0	0		12
92 Cass & Heatherdowns	8	TRUEJK	J Kowalski	TRUE	24-Nov-11	8	-	1	-	-	-	0		0	6
93 Central & Cheltenham	8	TRUE R Ruetz	- Ruetz	TRUE	18-Jul-12	8	85	8	 -	-	0	0	0	0	8
94 Central & Corey	9	TRUER	R Phillips	TRUE	25-Jun-11	8	क	ø	N	ম	0	0	0	क	8
95[Central & Detroit	0	TRUE Butter Kow	tler Kow Reu	FALSE	19-Feb-11	8	8	8	1	Į.	0	o	0	8	8
96 Central & Douglas	0	TRUECTEW	Mi	FALSE	14-Mar-13	80	8	80	4	4	ō	0	0	0	0
97/Central & Drummond	8	TRUE metz	1,12	TRUE	25-Jul-12	0	ਲ	æ	ō	8	ō	0	8	٥	0
98 Central, Executive & Wicklow	ä	TRUEJBU	Juther	FALSE	08~Jul-11	8	6	ග	4	7	8	8	8	8	8
99 Central & Jackman	4	TRUE crew	We	TRUE	1	-	4	₹	4	₹	8	8	8	0	8
100 Central & Lagrange	0	TRUE J Buffer	Juffer	FALSE	08-Jul-10	8	8	8	0	4	8	9	-	&	8
101 Central, Monroe & Northwood	5	TRUERU	Ruetz	FALSE	1	8		4	N	0	8	4	4	8	6
102 Central, Promedica	8	TRUE contracto	ntractor	FALSE	05-Dec-12	85	8		N	ম	8	8	8	8	8

	5 æ	TRIETKON	KUELK KURTZ	10.07	21-NOV-13	5	0	&	8	-	<u>ح</u> اد	8	0	8	
1	7 =	TAUR		FALSE	15 Jap 13	5 -	_	0 a	1	44	5 2	7		7 7	
	8	TRUE	Hold	TRUE	30-Oct-12	8			8	90	5 2	70	5 0		<u>" </u> "
	မ	TRUE	RUE J Kawalski	TRUE	31-Aug-11	3	8	20	-	0	5	0	0		
	9	TRUE	3 Butter	TRUE	24-Apr-11	0	8	0	8	0	0	0	8		
- 1	7	TRUE	R Ruetz	TRUE	11-Mar-12	0	7	য	0	3	0	0			
	0	TRUE	crew	FALSE		0	60	+	1	8	0	0	0	8	ľ
	0	TRUE	crew	FALSE		6	•	4	8	7	9	0	0	100 M	Ī
	8	TRUE	RUE R Ruetz	FALSE	02-May-12	8	œ.	4 70	4	80	8	0		× 46	
	6	TRUE	H Moore	FALSE	08~Jul-11	후	ō.	6	-	ल	8	0	8	8	_
- 1	8	TRUE	Hod	FALSE		85	æ	0	0	o	0	0	8	0	ľ
	8	TRUE	E Moore/Ramsey	FALSE	19-14-10	8	æ	89	2	7	<u>ح</u>	0	0	5	ľ
	N	TRUE	RUE J Kawalski	TRUE	17-Sep-11	6	8	æ	7	N	0	0		80	
	9	TRUE	RUE J Kawalski	FALSE	17-Sep-11	0	Φ	Ø	ম	8	5	0		0	
	0	TRUE	RUEH Moore	FALSE	01-Apr-11	8	8	8	0	0	8	0			
	0	TRUE	H Moore	FALSE	28~Jul-10	8	6	16	8			0			
	ਠ	TRUE	EH Moore	FALSE	06-Sep-10	80	8	85	3	8		0			
	8	TRUE	Enemoved	TRUE	30-Jan-12	0	•	0	o	0	0	8		0	
	o	TRUE	RUE'J Butter	FALSE	04-Aug-11	8	000	6	6	LS?				ľ	
	0	TRUEF	R Philips	FALSE	28-Jun-11	┢		~	-			-		i a	
	0	TRUE	J Kowalski	FALSE	30-Jun-11	-		8	-		-	10		l	
	0	TRUE	C Cameron	FALSE	19-Jun-10	8		•	-	-	-	-			
1 1	9	TRUE	RUE R Phillips	TRUE	09-Sep-10	8	8	- A		 -	1	1			1
	0	TRUE	E H Moore	FALSE	24-Jul-10		5	5	1	-		-			-
	ō	TRUE	RUER Phillips	FALSE	18-Aug-10	8	80	8	0	6	0	-			
	4	TRUE	R Phillips	FALSE	27-Aug-10		-	TO.	2	च		0			
	o	TRUE	RUE J Kowalski	FALSE		0	89	8	0	5	0	0		8	
- 1	-	TRUE	J Kowalski	TRUE	18-Feb-12	8	10	ŭ	N	RI	0	8			Γ
	8	FALSE	R Ruetz	TRUE	26-Feb-12	0	65	8	-	ਲ	8	8		-	ľ
- 1	9	TRUE	EH Moore	FALSE	30-Aug-10	6	o	-	-	-	0	8	٠	ļ	ľ
- 1	4	TRUE	ССатегол	TRUE		0	4	-	N	ক	0	8	0	4	ľ
	•	TRE	CCameron	FALSE		0	*	8	8	0	<u>~</u>	0	8	8	ľ
	0	TRUE	RUE R Ramsey	FALSE	25-Jan-11	8	60	8	0	0	0	8	8	0	
	0	TRUE	J Kowalski	FALSE		8	0	후	N	N	8	0		8	ľ
	0	TRUE	RUE Ruetz	FALSE	30-Aug-11	8	₹	4	-	0	3	6			
	R	TRUE	R Ruetz	TRUE	05-Sep-11	0	æ	80	8	0	5	0		8	
	o	TRUE	R Ramsey	FALSE		0	4	4	0		8	a	8	2	
	c	TRUE	ER Ruetz	FALSE	29-Apr-12	-	<u></u>	6	-	-	0	0	0	[m	"
	8	TRUE	ER Ramsey	TRUE		80	æ	80	0	0	8	0	8	8	ľ
	N	TRUE	ER Ramsey	TRUE		0	Œ	8	8	8	R	N			
	6	TRUE	ER Phillips	FALSE	27-May-11	0	o.	đ	0	0	m	ਲ	8		Ϊ
	86	TRUE	EHM 3/6	TRUE		3 5	6	۲	-	(7)	0				Ϊ
	o	TRUE	R Ruetz	FALSE	27~Jan-12	8	68	đ	6	8	0	2	0 0		1
	ø	TRUE	mmoved	FALSE	30~Jan-12	8	0	٥	0	0	0	, 2	-		
	0	FALSE	-SECC/2/13	FALSE		8	-	ľ	8	0	0	0	0	5 C	
	0	TRUE	B Buffer	FALSE	31-Jan-11	Ş	F	2	2	₹	0	٥			
	e	TRUE	Ki	TRUE	25-Jun-11	8	8	30	0	0	0	8	0		
- 1	*	ШÎ	H Moore	HAUE.	30-Jul-10	æ	85	1	1	6	77	7		80	ľ
- 1	٥		J Kowalski	FALSE		8	8	80	8	0	0	8	٠ م		ľ
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1	TRIE	RITEH Moore	1	-	5 6	* **	5 4				2 5	5 α	s a
1 50	TRUE	R Ruetz			1	, e	100	5 LG					100
0	TRUE	Crew	FALSE	17-Sep-11	9	8	8					- C	~
0	TRUE	H Moore	FALSE		8		6		0			8	8
12	TRUE	Butter/Cameron	-	18-344-10	15	15 2	12				0	8	0
٥		J Kowalski	FALSE		0	8	4	0 2					0
3	ш	R Philips	FALSE	15-Jan-11	8	8	86		0		0	8	8
8	шlі	crew	FALSE		8	8	9	0					6
5	IJĬ	CCemeron	FALSE	16-May-12	80	8	8						9
0	TRUE	R Ruetz	FALSE		8	8	82	2				8	8
æ	TRUE	H Moore	TRUE	01-Feb-12	N	60	8	0					8
0	TRUE	B Tumer	FALSE	12-Jun-10	क	8	क		9		o o		ਠ
8	TRUE	RUE J Kowalski	FALSE	`	8	Ø	9	9 2					60
0	TRUE	H Moore	FALSE	17-Aug-10	8	8	ਲ		0		o o		ð
o	TRUE	R Phillips	FALSE	08-Aug-10	12	10 2	8						80
0	TRUE.	J Butter	FALSE	13-Jul-11	8	10	õ	0	8		0		8
o	TRUE	Butter/Fowler	FALSE	07-Aug-10	8	8	ស	-	0		0		8
7	TRUE	J Butter	TRUE	10-Aug-10	8	80	8	0					-
8	TRUE	JE B Turner	FALSE	29-Mar-11	8	80	**						8
0	TRUE	- Moore	FALSE	04-Aug-10	-	-							8
8	TRUE	l Kowalski	FALSE		8	8	-	0					æ
8	TRUE	TRUE Ruetz	FALSE	29-Jan-12	0	12	2	2	0		0		2
1	TRUE	R Ramsey	TRUE	11-Jun-11	0	8	8	 -	0				8
0	TRUE	Ramsey	FALSE	03-Jun-11	٥	8	Ø	N					To
0	TRUE	J Kowalski	FALSE	20-Nov-11	0	-	8						8
Ö	TRUE	RUER Ramsey	FALSE	09-Dec-11	О	8	60	0			0		ē
0	TRUE	J Buder	FALSE	29-Aug-10	10	10	10				0 0		63
0	TRUE	EJ Kowalski	FALSE	29-hm-11	6	6	8				0 0		8
8	TRUE	EB Tumer	FALSE	25-Mar-11	80	ස	9	0 2			0	8	8
٩	TRUE	RUEJ Kowalski	FALSE	28-May-11	80	8	8	0 0			0		ਲ
4	TRUE	стем	TRUE	30-Nov-10	OS	o	8	0 0			0 0		ठ
9	TRUE	RUE J Kowalski	FALSE	02~301-11	0	12	10	4 4	10		10 10		12
4	TRUE	TRUER Phillips	TRUE	12-Aug-10	6	8	7	1 3			0 0		0
8	- RUE	R Ruetz	FALSE	17-Jun-11	9	ŀ	8	9			0	ळ	æ
8	TRUE	TEW	FALSE	08-Apr-11	8	11 2	6				0		٥
æ	TRUE	38	TRUE	19-Feb-11	8	*	8	7					8
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8	TRUE	H Fowler	FALSE	16-Aug-10	4	4	4		0		0		ম
8	TRUE	J Kowalski	FALSE		8	9	ø	0	0		0 0		8
0	TRUE	RUER Ruetz	FALSE		ਠ	8	8	2 2	0		o o		5
7	TRUE	R Ruetz	TRUE		ठ	8	80	0	_		0		8
0	TRUE	J Kowalski	FALSE		6	æ	ख	0 0	-		3	8	₩
2	TRUE) Butter	TRUE	07-Mar-11	6	5	æ				6		8
4	TRUE	ER Ramsey	TRUE	14~10-12	8	٥ ق	8	N	0			8	8
4	TRUE	J Kowalski	TRUE		О	8	8		٦		0		8
4	TRUE	TRUE Ruetz	THE HE		8		0		1	-		8	8
4	TRUE	R Ruetz		02-Dec-11	8	 	8	8	0		8		7
7	HAUE	FOWE TWO OF		2	9	2							
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203 SELU	5					5	5							
208 Eleanor & Jackman	8	TRUE R Phillips	TRUE	16-Feb-11	•	8	8	+	1	ō	8	0	ø	9
207 Eleanor & Lewis	ਠ	TRUE B Brown	FALSE		0	8	80	1	1	ō	0	o	æ	9
208 Eleanor & North Haven	0	TRUE R Ruetz	FALSE	11-Mar-12	0	8	8	О	O	0	6	þ	0	0
209 Eleanor & Walker	8	TRUE Ramsey	TRUE	12-Jan-11	ਲ	8	8	О	0	0	ਲ	0	0	0
210 11th, Indiana & Washington	0	TRUE Ramsey	FALSE	15-Nov-11	8	6	8	0	1	0	ō	8	10	5
211 11th & Jefferson	0	TRUERamsey	FALSE	03-Apr-11	ম	9	#	0	2	0	8	0	8	0
212 11th & Monroe	0	TRUE Cameron	FALSE	15-Nov-11	8	8	8	Ю	0	0	0	0	8	8
213 Elgin, Ravine South & White	o	TRUE R Philips	FALSE		0	8	85	О	0	0	0	ਠ	8	0
214 Elmhurst & Sylvania	0		FALSE	14-0:3-10	8	80	LC)	0	1	0	0	0	9	9
215 Erie & Lagrange	0	TRUE H Moone	FALSE	06-Jun-11	•	50	8	1	1	0	8	5	86	8
216 Erie & Lagrange School	0	TRUE H Moore	FALSE	06-Jun-11	N	ম	2	0	0	0	0	6	য	2
217 Ewing & Indiana	0	TRUEIR Ramsey	FALSE	23-Mar-12	ō	æ	ω	8	0	ð	0	O	o	9
218 Executive & Secur	5	TRUE Kowalski-Jones	├	05-Feb-12	8	•0	80	8	0	0	Ю	Ø	9	9
219 Lagrange	0	TRUE R Philips		12-Jun-11	8	•	4	8	8	0	o	o	o	8
220 Stickney	0	TRUE C Cameron	FALSE	06-3un-11	8	8	8	1	7	0	o	0	B	9
221 Lagrange & Windermere	8	TRUE R Philips	FALSE	18-Jun-11	8	ŵ.	æ	1	2	O	o	o	0	b
222 Stickney	8	TRUE C Cameron	FALSE	05-Jul-11	8	8	LS.	8	ಣ	0	Ю	ø	9	0
223 Faliview & Sytvania	8	TRUE Brown	FALSE	29-Jun-10	8	8	85	0	8	0	0	0	8	9
224 Fassett & Oak	2	TRUER Ph图BS	TRUE	09-Jul-11	0	80	8	8	0	8	0	5	æ	8
225 Fearing & Hill	0	TRUE Contractor	FALSE	31-Dec-10	0	5	5	8	0	0	0	0	6	0
226 Fleid & Western	0	TRUE J Kowalski	FALSE	10-Mar-12	0	*	8	О	0	0	o	6	80	8
227 Fitch, Tremainsville & Upton	4	TRUE R Phillips	TRUE	15-Sep-10	9	8	8	0	0	ō	0	0	4	4
228 Food Town, Sears & Secor	0	TRUE Cameron	FALSE	24-May-12	o	8	60	4	4	0	8	0	80	8
229 Forest & Nebraska	o	TRUE J Kawalski	FALSE	30-Jul-11	0	85	80	8	0	8	=	5	8	8
230 Foster & Upton	क	TRUE J Butter	TRUE	15-Feb-11	æ	83	89	0	6	8	8	-	8	8
231 14th, L75 NB On & Washington	ŏ	TRUE Cameron	FALSE	10-Jan-11	8	Ø	₹	Ţ-	ಣ	8	8	핕	4	¥
232 14th & Jefferson	ō	TRUECOM	FALSE		ਠ	æ	8	-	8	8	0	-	•	8
233 14th & Monroe	8	TRUE J Kowalski	FALSE		8	8	8	-	-	ō	9	5	0	8
234 Fourth & Main	8	TRUE H Moore	FALSE	11-Sep-10	8	8	8	8	8	8	0	0	80	8
235 Fourth, Oak & Sterr	o	TRUE R Phillips	FALSE	14~Jul-10	Ø	80	₩	8	0	8	0	3	क	8
236 Franklin & Woodruff	80	TRUEHM 11/17	TRUE	12-Sep-12	8	80	80	0	8	0	8	8	0	8
237 Monroe	N)	TRUE Ruetz	TRUE	02-Apr-12	7	7	_	N	7	0	8	8	0	8
238 Franklin Park Mail N. & Tahnadge	æ	TRUE R Ruetz	TRUE	09-Apr-12	8		8	7	ম	0	8	0		6
239 Franklin Park Mall S. & Talmadge	ъ	177	TRUE	24-Apr-12	*	ম জ	80	ম	ঝ	8	리	9		12
240 Franklin Park Mall W. & Monroe	4	FALSE RuetZ	TRUE	07-Apr-12	+		-	-	히	8	8	8	67	e
241 Franklin Place, Marcos & Monroe	8	띪	FALSE	04-Way-12	20	6	-	=	8	-	- -	ا حار	4	a a
242 Galena & Summit	e	ш	TRUE	03-Ju-10			<u>.</u>	-	-	<u></u>	5	- - -	4	┩
243 Gesu School & Parkside	0	Ш	FALSE	28-Aug-10	4	7	4	8	6	8	5	-	4	
244 Glant, I-475 WB On & Upton	8	wh	TRUE	05-May-11	8	8	8		8	8	<u>.</u>	8	=	0
245 Jackman	8	TRUE R Ruetz	FALSE	30-Aug-11	8	æ	80	~	N N	8	4	5	<u></u>	8
246 Glendale, Glengate & Kroger	0	шħ	FALSE	16-Mar-12	8	~	8	ا ه	0	<u> </u>	=	8	8	.
247 Lutheran School	-	1	TRUE	05-78n-12	8	1	5	=	=	5	5	5	8	20
248 Glendale & Harvard School	71	픪	TRUE	O1-Sep-10	4	7	4	8	0	0	5	8	N	ম
249 Glendale, Kroger & MVCDS	0	긂	FALSE	17-Mar-12	0	ಹ	æ	-	,	0	2	8	8	8
250 Glendale, Southland & V.A. Clinic	o	TRUEJ Kowalski	FALSE	23-Nov-11	8	æ	8	8	8	0	5	8	0	0
251 Glendale & Toledo Commons	2	TRUE J Kowalski	TRUE	29-Mar-12	8	80	60	ō	2	0	8	8	æ	8
252 Grogan, Jackman & Marketplace	8	TRUE unkown	FALSE	17-Nov-11	4	₹	٥	8	0	8	0	0	8	8
253 Harvest & Laskey	0	ш	FALSE	27~Jan-11	8	4	4	0	8	8	8	8	.	8
254 Harvest & Monroe	8	TRUE J Butter	TRUE	21-Apr-11	8	8		8	리	<u>ء</u>	8	0	ळ	85
	₹		Ē	27.7.2	ì	F	•							-

256 Hawley & Indiana	O TRUELH Moore	FALSE	02-Jan-12		8	8	0	0	Ø	8		8
257 Hawley & Nebraska	1	FALSE	20-Feb-12	0	8	8	0	0	0	8	8	0
258 Hazelhurst, Overland & Sylvania	0 TRUE Contractor	FALSE			ō	ਨ ਨ	0	o	8	6		0
259 Heatherdowns & Key	0 TRUE H Moore	FALSE	05~Jul-10		8		Z	0	0	0	8	8
260 School	0 TRUEH Moore	FALSE	04-Aug-10		25	5	0	0	0	0		0
261 Hiett & South	d TRUE J Butter	FALSE	20-Aug-10		6	0 8	o	0	0	0		0
262 Hiett & Western	o TRUE Ramsey	FALSE	13-Aug-11	ō	4	०	0	٥	9	0		\$
263 Hill & Holland Sylvania		FALSE	11-101-11	o	8	ප ස	8	0	8	0		8
264 Hill & Keyser School	o TRUE B Tumer	FALSE	19-Jun-10		4	9	0	3	9	ᅙ		ম
265 Hill, Parkside & Conrall	ωt	FALSE	01-Nov-10	c	0	0	<u> </u>	-	9	0	9	2
266 Hill & Richards			30-Mar-11		8		7	8	9	3		ප ශ
267 Hillcrest & Jackman	o TRUEIC Cameror	Н	15-Nov-11		80	ට ස	8	₹	₹	4	ম	0
268 Hoag & Nebraska	0 TRUEH Moore/furner		22~Jun-10	80	8	<u>ਹ</u> ਜ਼	8	0	8	0	80	8
269 Hoehler, Holyoke & Monroe	o TRUE J Kowalski	FALSE	20-Nov-11	4	4	0	0	8	σ	0	0	N
270 Holland-Sylvania & Kroger	o TRUE B Tumer	FALSE	26-Feb-11	8	4	4 1	-	o	6	0	8	0
Z71 Hotland	_	FALSE	28-Nov-11	О	0	0 0	O	o	0	ਲ		Ö
272 Homewood & Sylvania	o TRUE Crew	FALSE	09-Nov-11	ø	8	6 2	o	0	o	0		0
273 Huron & Lagrange	0 TRUE H Moore	FALSE	05-May-11	ŏ	8	4 0	टर	o	ਠ	8	8	8
274 Hydramatic & Jackman	TRU	FALSE	01-Jul-10		-	8 1	7	ō	0	0	ø	8
Z75 Wanhattan	o TRUECIEW		28-Aug-11	0 1		10 1	+	8	8	ō	4	9
276 F280 SB Off & Start	TRU		29-3ul-10	8	8	0 в	5	5	8	ō		9
277/& Suder	d TRUER Ruetz	FALSE			10		9	ø	6	8		9
278 L75 NB On, SB Off & Willys	o TRUEJ Kawalski	FALSE	17-Aug-11	O	6	ਨ 8	0	0	8	3		0
279 Menhadian	TRUE	FALSE	28-Aug-11			£	-	0	8	8	i	ठ र
280 Springbrook & Talmadge	TRU	FALSE	13-Sep-11		1 00	2	फ	8	3	2		0
281 F475 WB Off & Jackman	O TRUEJ Kowatski	FALSE	19-Feb-12	o	6	<u>о</u>	7	8	0	8		0
282 Indiana & 13th	NYT TRU	FALSE	08-Apr-11	0	9	3 0	ਲ	0	6	0		8
283 Jackman & Laskey		TRUE	19-Sep-11		14	12 2	4	8	8	0		8
284 Jackman & Longfellow School	TRU	FALSE	11-Dec-11	8	4	4	8	8	0	0		2
285 Jackman & Marlow		FALSE		8	<u>o</u>	0	5	3	0	P	١	0
286 Tremainsville	TRU	FALSE	07~Jul-12	8	0	о 0	0	8	ō	0		0
287 S.C.	E I	FALSE	17-년마-10	80	20		-	8	=	8	8	8 0
288 Jefferson & 17th	-	FALSE		8	8		7	0		5	B 4	8
289 Junction & Nebraska	~ 1-	FALSE	28-Feb-11	25 0	8 6	5 (3	5	5 6	5 7	<u>.</u>	8 6
204 l porsono & Monhaffan		TA LA	25 1:0 10	8 0	5 0	4 6	46	5 6	5	512	٥	7
2921 agrande & Oakiand	TRU	FALSE	18-Mar-11				1	10	10	10	r æ	100
293 Lagrange & Sherman		FALSE	08-Feb-12		5		0	-	-	0	 &	8
294 Lagrange & Summit	TRUE	FALSE	12-Feb-12	8	85		N	0	0	0	æ	8
295 Lagrange & Sylvania	TRUE	FALSE	29-Feb-12	0	88	8 1	-	0	0	0	8	9
296 Laskey & Lewis	1		04-Jan-11	6	7	ন ম	7	6	0	0	8	9
297 Laskey & Secor	TRU	_		0	8		4	0	0	0	8	8
298 Laskey & Teledyna	0 TRUE Ruetz	FALSE		6	छ	ව	8	8	0	0	0	o o
299 Lawrence & Monroe	TRU	TRUE	08-Aug-10	7	₹	ਰ ਲ	ড	67	ਲ	ल	6	8
300 Lewis & Waybridge	TRUE	n FALSE	24-May-11	8	5	<u>ප</u>	0	8	0	8	မွ	9
301 Main & Second	TRUE	FALSE	12~Jan-11	æ	60	<u>о</u>	٥	0	5	8	æ	8
302 Main & Sixth	TRUE	FALSE	11-May-11	ō			٥	٥	0	0	8	<u>о</u>
303 Main & Starr	TRUE	FALSE	16-Feb-12	8	6		₹	0	0	8	7	4
304 Mulberry	TRUE	FALSE	15-Jan-12	8	₩	ਲ ਲ	8	8	9	8	١	9
305 Manhattan & Stickney	O TRUER RUBIZ	FALSE	15-Mar-12	8	티		+	0	8	0	8	8
306 Matzinger & Stickney	o TRUE H Moore	TRUE	09-Feb-12	8	5	80 80	67	ᇹ	9	8	<u></u>	<u>ව</u> ග

308 McGregor & Secor				-	-				-			
1	TRUE	FALSE	05-Aug-11	0	8	8	0	0	8	8		0
309 Mel Simon & Telegraph	TRUEH	FALSE	30-May-12	8	8	8	0	0	8	5	8	0
310 Miami & Oakdale	TRUE	FALSE	17-Nov-11	8	8		8	P	8	8		0 6
311 Marri & Oregon	o TRUE Contractor	FALSE	22-Dec-11	0	0	8	0	ō	0	0	0	0 (
312 Midwood & Montoe	O TRUE Ruetz	FALSE		0	 -	0	0	0	0	0	9	o K
313 Monroe & Monroe-Secor Park	O TRUEJ Kowalski	FALSE	17-Mar-12	8	85	8	8	0	0	0		0
314 Monroe & Monroe St. Plaza	TRUE	FALSE	02-Sep-11	85	8	8	8	8	9	0	8	8 0
315 Monroe, Nantucket & Statesville	TRUE	TRUE	08-Jan-12	8	80	8	8	8	0	0		0
316 Monroe & Ontario	TRUE	FALSE	20-Nov-11	5	8	8	8	0	٥	ō		8
317 Monnoe & Parkwood (Relocated)	o TRUEB Tumer	FALSE	02-Apr-11	8	1 2	7 0	O	o	8	0		9
318 Monroe & Plaza Apartments	O TRUE B Turner	FALSE	31-Mar-11	0	4	4	6	5	Б	0	N	0
319 Monroe & Secor	O TRUER Ruetz	FALSE		0	12	12 9	đ	-	6	0		0
320 Monroe & 17th	0 TRUER Ruetz	FALSE	18-Nov-11	6	8	8 1	,	0	ত	8	0	8
321 Monroe & Sylvania	0 TRUE meron	FALSE	08-Jul-10	10	8	8 4	4	0	o	8		•
322 Monroe & Talmadge	4 TRUER Ruetz	TRUE	20-Nov-11	8	11 3	7	8	Z	7	지		8
323 Morrison & 6th	TRUE	FALSE	04-May-11	0	8	9	ō	0	0	o		0
324 Navarre & Oak	O TRUER Phillips	FALSE	03-Jul-11	0	8	8	0	0	0	0		8 0
325 Navarre & White	8 TRUE Ramsey	FALSE	10-Sep-11	0	æ	8 2	6	0	Į.	1		0
326 Nebraska & Parkside	0 TRUE Moore/Ramsey	FALSE	14~Jun-10	8	6		4	0	ਣ	6		CI CI
327 Nebraska & Westwood	R Phillips		07-Apr-11	8	1		4	0	0	5		9
328 Nevada & Oak	8 TRUER Philips	TRUE	18-Jul-11	0	8	8	0	0	9	8		9
329 Nevada, Potter & Woodville	o TRUEJ Kowalski	FALSE	17-Nov-01	8	ZI	ম	8	哥	=	8		8
330 Newton & St. Clair Flasher	TRUE	FALSE	23-Nov-11	8	क		0	8	8	9		0
331 New Towne Square & Telegraph	TRUE	FALSE	02-Jun-11	-	6	9	0	8	8	5	3	9 (
332 North Cove & Upton	TRUE	FALSE	16-May-11	٩	<u> </u>		5	8	5	5	20 4	3
333 North Haven & Sylvania	TRUE	FALSE		æ	a		-	8	ا ه	8	5 7	5 6
334 Notre Dame & Sylvania	TRUE	FALSE	14-Aug-10	<u></u>	80	8	8	8	<u>-</u>	-	80 -	5 6
335 Oak & Woodville	TRUE	TRUE	28-101-10	.	a	5	4	8	8	0	æ (B (
336 Flasher	TRUEJ	FALSE	22~tm-10	8	KQ	5	5	5	5	5	5	5 7
337 Oakwood & Upton	ЭI.	TRUE	13-Apr-11	8	8		8	3	8	0	10 (5 (
338 108th & Summit	IRU	FALSE	10-Jun-10	8	B		5	5 '	5 1	5 0	٥	5 6
339 116th & Summit	TRUE	FALSE	20-10-11	5 (3 6		5	5	5 2	5 3	5 6	0 0
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343 Parakeet Swania & Watson	TRUE	FALSE	18-Jul-10		0		8	8	0			
344 Parkside & Saint Hyacinth School		FALSE	13-Aug-10	4	4		0	8	0	0	4	4
345 Paxton & Stickney	0 TRUEH Moore	FALSE	18-Aug-11	ō	8	8	5	o	o	0	9	9
346 Secor & Sylvania		FALSE	30-Jan-12	0	8	7 2	ফ	0	8	0	80	8
347 Secor & Towerview	o TRUEL Buder	FALSE	04-Jun-10	9	8	क	4	0	8	0	7	ম
348 Secor & Trilby School	0 TRUE Ramsey	FALSE	14~Jan-11	4	4	9	8	0	8	0	N	2
349 Secor & Valleston	TRUE	FALSE	26-Jun-11	0	-	හ	ম	o	0	6	N	ম
350 South & Spencer	TRUE	FALSE	13-Aug-10	85	80	8 2	ম	0	o	0	8	8
351 South & Thayer	12.	FALSE	10~Jun-10	ъ	60	9	8	8	8	0	80	8
352 South & Woodsdale		FALSE	27~Jan-11	85	8	8	8	8	ਠ	0	80	8
353 Spencer & Western		FALSE	08~Jan-12	8	80		5	0	8	8	8	8
354 Starr & White	6 TRUE H Moore	TRUE	05-Sep-11	0	8	8	5	9	1	9	8	8
355 & Westbrook		TRUE	07-Aug-11	8			=	哥	8	5	∞	80 (
356 Sylvania & Talmadge		TRUE	10-Feb-12	9	4		7		7	,		2
357] Syrvania & Upton	Z TRUEIH Moore	TRUE		8		ි 	8	5	8	5	100	8

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365 Bronx & South		FALSE	21-Apr-11	8	6	+	0	য	8	8	0	7	4	0
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367 DeVibiss & Phillips		FALSE	09-Sep-12	8	65	6	8	0	0	8	0	ō	8	8
368 Forest & Lincoln		FALSE	15-Mar-12	9	20	4	8	N	0	6	0	ē	후	0
369 King School & Lawrence		FALSE	30-Apr-11	₹	4	4	0	0	0	0	8	ম	N	0
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372 Nelson & Woodsdale	TRUECCam	FALSE	25~Jan-12	8	80	60	8	0	0	8	ō	æ	80	0
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Model Specifications and Ordering Options

Example: TSL-12RA-LD-A1

TSL-(SIZE/TYPE)(COLOR)(ARROW)-(SERIES)-(VOLTAGE)

Model Number and Color	Wattage Drawn	Voltage	Dominant Wavelength	Maintained intensity (cd) Min.	Standard
12 Inch					
TSL-12RA-LD-A1 ²	7	80-135Vac	626	56.8	ITE 2007/Caltrans/ETL1
TSL-12YA-LD-A1 ²	12	80-135Vac	589	141.6	ITE 2007/Caltrans/ETL ¹
TSL-12GA-LD-A1 ²	7	80-135Vac	500	73.9	ITE 2007/Caltrans/ETL1
TSL-12RA-MF-A1	7	80-135Vac	626	58	ITE 2004/Caltrans
TSL-12YA-MF-A1	8,5	80-135Vac	589	146	ITE 2004/Caltrans
TSL-12GA-MF-A1	6,5	80-135Vac	500	76	ITE 2004/Caltrans

Options: Tinted lens standard, clear lens optional.

¹Intertek ETL Verified

Standard Conformance

- · FCC Compliant for Electrical Noise
- · MIL-STD-810F Moisture Resistant
- · MIL-STD-883 Mechanical Vibration
- NEMA TS2 Transient Voltage Protection over 2000V

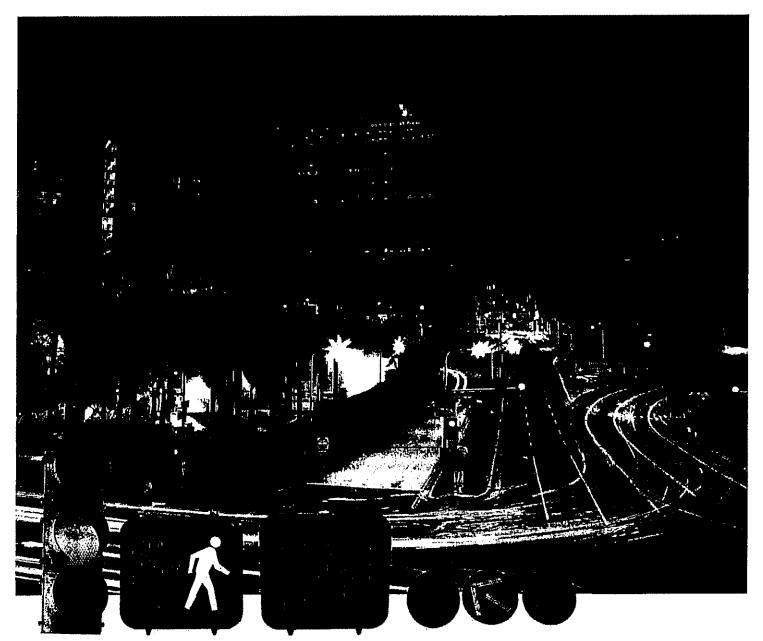






² When ordering clear lens: On LD ETL Verified models, please add "-CLR" to model number. For MF models, please indicate "clear lens."

Dialight



ITE Compliant LED Signal Modules



Designed in the U.S.A

Meets Buy American provision under the
American Recovery and Reinvestment Act 2009

For projects requiring Buy American provision certification, consult factory for additional information and special ordering details

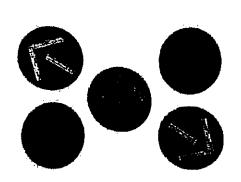
Uniform Appearance LED Traffic Signal Modules



- *Fully compliant to ITE VTCSH-LED Clicular Signal Supplement dated 6/27/2005
- ▲ Industry's lowest power for all colors
- ▲ Meets or exceeds ITE Intensity, color and uniformity specification, including 49°C / 74°C requirements
- ▲ Temperature compensated power supplies for langer LED life
- ▲ Uniform appearance
- Expanded view radiation pattern suitable for span wire and sleep grade applications
- ▲ Transient suppression exceeds ITE and NEMA specifications (Up to 6KV ring wave)
- ▲ Manufactured with anti-copillary wires
- ▲ Conformal coaled power supply
- Secondary lens treatment for abrasion resistance
- ▲ Patent No. 7,281,818 and other patents pending
- ▲ Intertel/ETL certified and listed on ETL certification program
- ▲ All units operate at 80-135VAC RMS, 60±3Hz

litota literaal-123	(0.56][3)·	lkonis syystes	Pieminehli Wewlinglii (filo))	twetteel Welitege oldstate	stagaMhliadha IMehridhad Duminop Anton Hydedi	ाराज्यस्य सार्वे प्रस्तितः प्रमुखानीतः स्वतिकार्यः स्थानुसीकारम्	Class Applications	strea (fu)
433-1110-003XL	Red	Tinted	625	6	165	v		. 8
433-1170-003XL	Red	Clear	625	6	165	<u> </u>		8
433-3130-901XL	Yellow	Tinted	590	7	410	J	-	- 8
433-3170-901XL	Yellow	Clear	590	7	410	~	7	8
433-2120-001XL	Green	Tinled	600	8	215	V	v	- 8
433-2170-001XL	Green	Cleor	500	8	215	v	~	8
433-1210-003XL	Red	Inted	625	6	365	y	v	12
433-1270-003XL	Red	Clear	625	6	365	J	¥	12
433-3230-901XL	Yellow	Tinted	590	12	910	7		12
433-3270-901XL	Yellow	Clear	590	12	910	V	~	12
433-2220-001XL	Green	Tinted	500	7	475	٠ ب		12
433-2270-001XL	Green	Clear	500	7	475	•	-	12

OMNI-DIRECTIONAL, UNIFORM APPEARANCE LED ARROWS



- ▲ *Fully compliant to ITE VTCSH-LED Vehicle Arrow Supplement dated 7/01/2007
- ▲ Allows for mounting in any orientation in the signal head
- ▲ industry's lowest power for all colors
- Meets or exceeds ITE intensity, color and uniformity specification, including 49°C / 74°C requirements
- ▲ Temperature compensated power supplies for longer LED life
- ▲ Uniform appearance
- ▲ Translent suppression exceeds ITE and NEMA specifications (Up to 6KV ring wave)
- ▲ Manufactured with anti-capitary wires
- ▲ Conformal coaled power supply
- ▲ Secondary lens treatment for abrasion resistance
- ▲ Intertet/ETL certified and listed on ETL certification program
- ▲ All units operate at 80-135VAC RMS, 60±3Hz

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432-1314-001XOD	Red	Tinted	6	628	56.8	~	Y
432-1374-001XOD	Red	Clear	6	628	56.8	v	* ·
431-3334-901XOD	Yellow	Tinted	6	690	141.6	v	¥
431-3374-901XOD	Yellow	Cleat	6	590	141.6	~	~
432-2324-001XOD	Green	IInted	6	500	73.9	~	*
432-2374-001XOD	Green	Clear	6	500	73.9	y	7



LED Signal Wood

TP12B Series

The Leotek Advantage

Our pedestrian modules use state of the art technology to provide quality products with unmatched reliability.



Features and Benefits

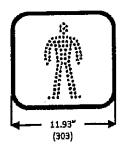
- Environmentally friendly
- Significant energy and maintenance savings
- Multiple connections available for specific applications
- · Exceptional color uniformity and readability
- Excellent moisture and dust resistance through complete O-ring sealing
- · 5-Year Limited Warranty

- Robust hard-coated and UV-stabilized polycarbonate lens for increased longevity against the elements
- Built-in Constant Current Source (CCS) provides uniform light output from the first to the last modules
- Maintains 70% of the initial iumen intensity after 100,000 hours of operation

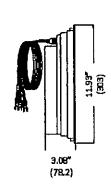
Technical Data

Operating Temperature: -4°F to 165°F(-20°C to 74°C)	Turn-On/Turn-Off Time: Max. 100mS
Operating Voltage: 80-135Vac	Turn-Off Voltage: >35Vac
Power Factor: >0.90	Total Harmonic Distortion (THD): <20%

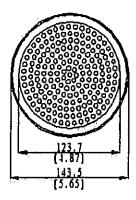
Mechanical Dimensions [in(mm)]

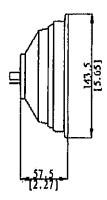


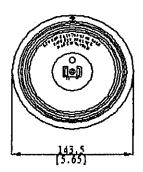




Mechanical Dimensions [mm(in)]







Model Specifications and Ordering Options

Model Number and Color	Wattage Drawn	Voltage	Dominant Wavelength	Standard
5 Inch				
T05W-A-6100	7	80-135Vac	N/A	N/A
T05R-A-6100	7	80-135Vac	626	Caltrans
T05Y-A-6100	12	80-135Vac	589	Caltrans
T05G-A-CA01	7	80-135Vac	500	Caltrans

Available with clear lens only.

Standard Conformance

- FCC Compliant for Electrical Noise
- · MIL-STD-810F Moisture Resistant
- · MIL-STD-883 Mechanical Vibration
- NEMA TS2 Transient Voltage Protection over 2000V



Model Specifications and Ordering Options

TSL-(SIZE)(COLOR)-LX-(IL TYPE)-(VOLTAGE)

Model Number and Color	Wattage Drawn	Voltage	Dominant Wavelength	Maintained intensity (cd) Min.	Standard
8 Inch					
TSL-08R-LX-IL3-A1	8	80-135Vac	626	162	ITE 2005/ETL
TSL-08Y-LX-IL3-A1) 11	80-135Vac	589	402	ITE 2005/ETL
TSL-08G-LX-IL3-A1	9	80-135Vac	500	211	ITE 2005/ETL
TSL-08R-LX-IL3-B1	8	12-24Vdc	626	162	(TE 2005 ¹
TSL-08Y-LX-IL3-B1	11	12-24Vdc	589	402	ITE 2005 ¹
TSL-08G-LX-IL3-B1	9	12-24Vdc	500	211	ITE 2005 ¹
12 inch					
TSL-12R-LX-IL3-A1	9	80-135Vac	626	358	ITE 2005/ETL
TSL-12Y-LX-IL3-A1-C (High Temp)) 17	80-135Vac	589	892	ITE 2005/ETL
TSL-12G-LX-IL3-A1	11	80-135Vac	500	466	ITE 2005/ETL
TSL-12R-LX-IL3-B1	9	12-24Vdc	626	358	ITE 2005 ¹
TSL-12Y-LX-IL3-B1	21	12-24Vdc	589	892	ITE 2005 ¹
TSL-12G-LX-IL3-B1	11	12-24Vdc	500	466	ITE 2005 ¹

Options: Tinted lens standard, clear lens optional. When ordering clear lens, please add "-CLR" to model number. Both tinted and clear lens are Intertek ETL Verified.

Standard Conformance

- FCC Compliant for Electrical Noise
- · MIL-STD-810F Molsture Resistant
- · MIL-STD-883 Mechanical Vibration
- NEMA TS2 Transient Voltage Protection over 2000V

ITE VTCSH Compilance - LED Circular Signal Supplement - June 2005

· Conditioning ITE 6.4.2 · Luminous intensity ITE 6,4,4.1-4 · Mechanical Vibration ITE 6.4.3.1 · Chromaticity ITE 6.4,4.6 · Temperature Cycling ITE 6.4.3.2 · Current Consumption ITE 6.4.6.1





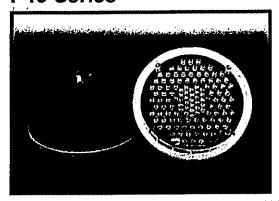


¹Complies with ITE2005 6.4.2, 6.4.3.3, 6.4.4.1-6.4.4.4, 6.4.4.5. No DC requirement from ITE.

Dialight

LED Lamp Modules for Programmable Visibility (PV) Signals

P46 Series



FEATURES / BENEFITS

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SPECIFICATIONS

- ▲ Operating Voltage Range: 80VAC to 135VAC (120VAC nominal)
- ▲ Fuse and translent suppressor incorporated for line and load protection
- ▲ Operating Temperature Range: -40°C to +74°C
- ▲ Turn-On/Turn-Off Time = 75 msec max
- ▲ Power factor greater > 0.9

- ▲ Total harmonic distortion < 20%
- ▲ Meets FCC Title 47, Subpart B, Section 15 Regulations for electrical noise
- ▲ Conforms to MIL-STD-810F for blowing rain
- ▲ Written warranty available on request
- ▲ All products traceable by serial number

P46 Series - 120 Volt Programmable Visibility Modules

des labratus.	(idea)	Waxelengths Waxelengths (juni)	Andrews & Co. 1. Western Sec. 19. 19. 19. 19. 19. 19. 19. 19. 19. 19	Mhambus Liquidus lacadily Light
P46-3R33-003	Red	622	10	500
P46-3Y33-003	Yellow	590	17	500
P46-3G33-003	Green	505	8	500

*Initial: Measured at peak intensity point

Dialight Corporation

1501 Route 34 South • Farmkingdale, NJ 07727 USA Tel: (1) 732-919-3119 • Fax: (1) 732-751-5778 • www.dialight.com

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Mercantile Customer Project Commitment Agreement Cash Rebate Option

THIS MERCANTILE CUSTOMER PROJECT COMMITMENT AGREEMENT ("Agreement") is made and entered into by and between The Toledo Edison Company, its successors and assigns (hereinafter called the "Company") and City of Toledo, Taxpayer ID No. 34-6401447 its permitted successors and assigns (hereinafter called the "Customer") (collectively the "Parties" or individually the "Party") and is effective on the date last executed by the Parties as indicated below.

WITNESSETH

WHEREAS, the Company is an electric distribution utility and electric light company, as both of these terms are defined in R.C. § 4928.01(A); and

WHEREAS, Customer is a mercantile customer, as that term is defined in R.C. § 4928.01(A)(19), doing business within the Company's certified service territory; and

WHEREAS, R.C. § 4928.66 (the "Statute") requires the Company to meet certain energy efficiency and peak demand reduction ("EE&PDR") benchmarks; and

WHEREAS, when complying with certain EE&PDR benchmarks the Company may include the effects of mercantile customer-sited EE&PDR projects; and

WHEREAS, Customer has certain customer-sited demand reduction, demand response, or energy efficiency project(s) as set forth in attached Exhibit 1 (the "Customer Energy Project(s)") that it desires to commit to the Company for integration into the Company's Energy Efficiency & Peak Demand Reduction Program Portfolio Plan ("Company Plan") that the Company will implement in order to comply with the Statute; and

WHEREAS, the Customer, pursuant to the Public Utilities Commission of Ohio's ("Commission") September 15, 2010 Order in Case No. 10-834-EL-EEC, desires to pursue a cash rebate of some of the costs pertaining to its Customer Energy Project(s) ("Cash Rebate") and is committing the Customer Energy Project(s) as a result of such incentive.

WHEREAS, Customer's decision to commit its Customer Energy Project(s) to the Company for inclusion in the Company Plan has been reasonably encouraged by the possibility of a Cash Rebate.

WHEREAS, in consideration of, and upon receipt of, said cash rebate, Customer will commit the Customer Energy Project(s) to the Company and will comply with all other terms and conditions set forth herein.

NOW THEREFORE, in consideration of the mutual promises set forth herein, and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties, intending to be legally bound, do hereby agree as follows:

1. Customer Energy Projects. Customer hereby commits to the Company and Company accepts for integration into the Company Plan the Customer Energy Project(s) set forth on attached Exhibit 1. Said commitment shall be for the life of the Customer Energy Project(s). Company will incorporate said project(s) into the Company Plan to the extent that such projects qualify. In so committing, and as evidenced by the affidavit attached hereto as Exhibit A, Customer acknowledges that the information provided to the Company about the Customer Energy Project(s) is true and accurate to the best of its knowledge.

- a. By committing the Customer Energy Project(s) to the Company, Customer acknowledges and agrees that the Company shall control the use of the kWh and/or kW reductions resulting from said projects for purposes of complying with the Statute. By committing the Customer Energy Project(s), Customer further acknowledges and agrees that the Company shall take ownership of the energy efficiency capacity rights associated with said Project(s) and shall, at its sole discretion, aggregate said capacity into the PJM market through an auction. Any proceeds from any such bids accepted by PJM will be used to offset the costs charged to the Customer and other of the Company's customers for compliance with state mandated energy efficiency and/or peak demand requirements
- b. The Company acknowledges that some of Customer's Energy Projects contemplated in this paragraph may have been performed under certain other federal and/or state programs in which certain parameters are required to be maintained in order to retain preferential financing or other government benefits (individually and collectively, as appropriate, "Benefits"). In the event that the use of any such project by the Company in any way affects such Benefits, and upon written request from the Customer, Company will release said Customer's Energy Project(s) to the extent necessary for Customer to meet the prerequisites for such Benefits. Customer acknowledges that such release (i) may affect Customer's cash rebate discussed in Article 3 below; and (ii) will not affect any of Customer's other requirements or obligations.
- c. Any future Customer Energy Project(s) committed by Customer shall be subject to a separate application and, upon approval by the Commission, said projects shall become part of this Agreement.
- d. Customer will provide Company or Company's agent(s) with reasonable assistance in the preparation of the Commission's standard joint application for approval of this Agreement ("Joint Application") that will be filed with the Commission, with such Joint Application being consistent with then current Commission requirements.
- e. Upon written request and reasonable advance notice, Customer will grant employees or authorized agents of either the Company or the Commission reasonable, pre-arranged access to the Customer Energy Project(s) for purposes of measuring and verifying energy savings and/or peak demand reductions resulting from the Customer Energy Project(s). It is expressly agreed that consultants of either the Company or the Commission are their respective authorized agents.
- 2. Joint Application to the Commission. The Parties will submit the Joint Application using the Commission's standard "Application to Commit Energy Efficiency/Peak Demand Reduction Programs" ("Joint Application") in which they will seek the Commission's approval of (i) this Agreement: (ii) the commitment of the Customer Energy Project(s) for inclusion in the Company Plan: and (iii) the Customer's Cash Rebate.

The Joint Application shall include all information as set forth in the Commission's standard form which, includes without limitation:

- i. A narrative description of the Customer Energy Project(s), including but not limited to, make, model and year of any installed and/or replaced equipment;
- ii. A copy of this Agreement; and
- A description of all methodologies, protocols, and practices used or proposed to be used in measuring and verifying program results.

- 3. Customer Cash Rebate. Upon Commission approval of the Joint Application, Customer shall provide Company with a W-9 tax form, which shall at a minimum include Customer's tax identification number. Within the greater of 90 days of the Commission's approval of the Joint Application or the completion of the Customer Energy Project, the Company will issue to the Customer the Cash Rebate in the amount set forth in the Commission's Finding and Order approving the Joint Application.
 - a. Customer acknowledges: i) that the Company will cap the Cash Rebate at the lesser of 50% of Customer Energy Project(s) costs or \$250,000; ii) the maximum rebate that the Customer may receive per year is \$500,000 per Taxpayer Identification Number per utility service territory; and iii) if the Customer Energy Project qualifies for a rebate program approved by the Commission and offered by the Company, Customer may still elect to file such project under the Company's mercantile customer self direct program, however the Cash Rebate that will be paid shall be discounted by 25%; and
 - b. Customer acknowledges that breaches of this Agreement, include, but are not limited to:
 - i. Customer's failure to comply with the terms and conditions set forth in the Agreement, or its equivalent, within a reasonable period of time after receipt of written notice of such non-compliance;
 - ii. Customer knowingly falsifying any documents provided to the Company or the Commission in connection with this Agreement or the Joint Application.
 - c. In the event of a breach of this Agreement by the Customer, Customer agrees and acknowledges that it will repay to the Company, within 90 days of receipt of written notice of said breach, the full amount of the Cash Rebate paid under this Agreement. This remedy is in addition to any and all other remedies available to the Company by law or equity.
- 4. Termination of Agreement. This Agreement shall automatically terminate:
 - a. If the Commission fails to approve the Joint Agreement;
 - b. Upon order of the Commission; or
 - c. At the end of the life of the last Customer Energy Project subject to this Agreement.

Customer shall also have an option to terminate this Agreement should the Commission not approve the Customer's Cash Rebate, provided that Customer provides the Company with written notice of such termination within ten days of either the Commission issuing a final appealable order or the Ohio Supreme Court issuing its opinion should the matter be appealed.

- 5. Confidentiality. Each Party shall hold in confidence and not release or disclose to any person any document or information furnished by the other Party in connection with this Agreement that is designated as confidential and proprietary ("Confidential Information"), unless: (i) compelled to disclose such document or information by judicial, regulatory or administrative process or other provisions of law; (ii) such document or information is generally available to the public; or (iii) such document or information was available to the receiving Party on a non-confidential basis at the time of disclosure.
 - a. Notwithstanding the above, a Party may disclose to its employees, directors, attorneys, consultants and agents all documents and information furnished by the other Party in connection with this Agreement, provided that such employees, directors, attorneys,

consultants and agents have been advised of the confidential nature of this information and through such disclosure are deemed to be bound by the terms set forth herein.

- b. A Party receiving such Confidential Information shall protect it with the same standard of care as its own confidential or proprietary information.
- c. A Party receiving notice or otherwise concluding that Confidential Information furnished by the other Party in connection with this Agreement is being sought under any provision of law, to the extent it is permitted to do so under any applicable law, shall endeavor to:

 (i) promptly notify the other Party; and (ii) use reasonable efforts in cooperation with the other Party to seek confidential treatment of such Confidential Information, including without limitation, the filing of such information under a valid protective order.
- d. By executing this Agreement, Customer hereby acknowledges and agrees that Company may disclose to the Commission or its Staff any and all Customer information, including Confidential Information, related to a Customer Energy Project, provided that Company uses reasonable efforts to seek confidential treatment of the same.
- 6. Taxes. Customer shall be responsible for all tax consequences (if any) arising from the payment of the Cash Rebate.
- 7. Notices. Unless otherwise stated herein, all notices, demands or requests required or permitted under this Agreement must be in writing and must be delivered or sent by overnight express mail, courier service, electronic mail or facsimile transmission addressed as follows:

If to the Company:

FirstEnergy Service Company 76 South Main Street Akron, OH 44308 Attn: Victoria Nofziger Telephone: 330-384-4684

Fax: 330-761-4281

Email: vmnofziger@firstenergycorp.com

If to the Customer:

City of Toledo 555 N Expressway Dr Toledo, OH 43608 Attn: Telephone:419-936-3015 Fax:419-936-3959 Email:

- or to such other person at such other address as a Party may designate by like notice to the other Party. Notice received after the close of the business day will be deemed received on the next business day; provided that notice by facsimile transmission will be deemed to have been received by the recipient if the recipient confirms receipt telephonically or in writing.
- 8. Authority to Act. The Parties represent and warrant that they are represented by counsel in connection with this Agreement, have been fully advised in connection with the execution thereof, have taken all legal and corporate steps necessary to enter into this Agreement, and that the undersigned has the authority to enter into this Agreement, to bind the Parties to all provisions herein and to take the actions required to be performed in fulfillment of the undertakings contained herein.
- 9. Non-Waiver. The delay or failure of either party to assert or enforce in any instance strict performance of any of the terms of this Agreement or to exercise any rights hereunder conferred, shall not be construed as a waiver or relinquishment to any extent of its rights to assert or rely upon such terms or rights at any later time or on any future occasion.
- 10. Entire Agreement. This Agreement, along with related exhibits, and the Company's Rider DSE, or its equivalent, as amended from time to time by the Commission, contains the Parties' entire understanding with respect to the matters addressed herein and there are no verbal or collateral representations, undertakings, or agreements not expressly set forth herein. No change in, addition to, or waiver of the terms of this Agreement shall be binding upon any of the Parties unless the same is set forth in writing and signed by an authorized representative of each of the Parties. In the event of any conflict between Rider DSE or its equivalent and this document, the latter shall prevail.
- 11. **Assignment**. Customer may not assign any of its rights or obligations under this Agreement without obtaining the prior written consent of the Company, which consent will not be unreasonably withheld. No assignment of this Agreement will relieve the assigning Party of any of its obligations under this Agreement until such obligations have been assumed by the assignee and all necessary consents have been obtained.
- 12. Severability. If any portion of this Agreement is held invalid, the Parties agree that such invalidity shall not affect the validity of the remaining portions of this Agreement, and the Parties further agree to substitute for the invalid portion a valid provision that most closely approximates the economic effect and intent of the invalid provision.
- 13. **Governing Law.** This Agreement shall be governed by the laws and regulations of the State of Ohio, without regard to its conflict of law provisions.
- 14. Execution and Counterparts. This Agreement may be executed in multiple counterparts, which taken together shall constitute an original without the necessity of all parties signing the same page or the same documents, and may be executed by signatures to electronically or telephonically transmitted counterparts in lieu of original printed or photocopied documents. Signatures transmitted by facsimile shall be considered original signatures.

IN WITNESS WHEREOF, the Parties hereto have caused this Agreement to be executed by their duly authorized officers or representatives as of the day and year set forth below.

The T	oledo Edison Company_
By:	(Company)
Title:	V.P. Of Energy Efficiency
Date:	6-18-13
	f Toledo_
Ву: _	(Eustomer) D. Nove
Title:	PERFECTION PUBLIC STANDER
Date:	6/00

Affidavit of City of Toledo - Exhibit _A _

STATE OF OHIO

SS:

COUNTY OF Lucas,

I, EDWARD A. Moore ,being first duly sworn in accordance with law, deposes and states as follows:

- 1. I am the REPUTOR OF PUBLIC SERVE of City of Toledo ("Customer") As part of my duties, I oversee energy related matters for the Customer.
- The Customer has agreed to commit certain energy efficiency projects to
 The Toledo Edison Company ("Company"), which are the subject of the agreement to which this affidavit is attached ("Project(s)").
- 3. In exchange for making such a commitment, the Company has agreed to provide Customer with Cash ("Incentive"). This Incentive was a critical factor in the Customer's decision to go forward with the Project(s) and to commit the Project(s) to the Company.
- 4. All information related to said Project(s) that has been submitted to the Company is true and accurate to the best of my knowledge.

FURTHER AFFIANT SAYETH NAUGHT.

Sworn to before me and subscribed in my presence this $10^{1/6}$ day of $10^{1/6}$, $20^{1/6}$.

otary

PAMELA A. KNIGHT Notary Public, State of Ohio '4y Commission Expires 04-11-2016 This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

8/5/2013 11:39:26 AM

in

Case No(s). 13-1346-EL-EEC

Summary: Application to Commit Energy Efficiency/Peak Demand Reduction Programs of The Toledo Edison Company and City of Toledo electronically filed by Ms. Jennifer M. Sybyl on behalf of The Toledo Edison Company and City of Toledo