



Public Utilities Commission

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
Description: LED Traffic Light Replacement

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. 10-834-EL-POR

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 ec-pdr@puc.state.oh.us.

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.

B) The electric utility is: The Toledo Edison Company

C) The customer is offering to commit (check any that apply):

- ☒ 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.

B) Energy 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: _____ kWh

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) What is the peak demand reduction achieved or capable of being achieved (show 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 customer is applying for:

☒ Option 1: A cash rebate reasonable arrangement.

OR

☐ Option 2: An exemption from the energy efficiency cost recovery mechanism implemented by the electric utility.

OR

☐ Commitment 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):

- ☐ Total Resource Cost (TRC) Test. The calculated TRC value is: _____(Continue to Subsection 1, then skip Subsection 2)
- ☒ Utility Cost Test (UCT) . The calculated UCT value is: See Exhibit 3 (Skip to Subsection 2.)

Subsection 1: TRC Test Used (please fill in all blanks).

The TRC value of the program is calculated by dividing the value of our avoided supply costs (generation capacity, energy, and any transmission or distribution) by the sum of our program overhead and installation costs and any incremental measure costs paid by either the customer or the electric utility.

The electric utility's avoided supply costs were _____.

Our program costs were _____.

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;
 - 2) 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.



**Public Utilities
Commission**

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

Case No.: 13-1346 -EL-EEC

State of Ohio :

Gwendolyn A. Moore

, 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.

Gwendolyn A. Moore, Director of Public Service
Signature of Affiant & Title

Sworn and subscribed before me this 12th day of June, 2013 Month/Year

Pamela A. Knight
Signature of official administering oath

Pamela A. Knight, Admin Assn.
Print Name and Title

My commission expires on _____
PAMELA A. KNIGHT
Notary Public, State of Ohio
My Commission Expires 04-11-2016

Customer Legal Entity Name: City of Toledo
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

Exhibit 2

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) <i>Note 1</i>
2011	1,276,055	1,276,055	5,075,422
Average	1,276,055	1,276,055	5,075,422

Project Number	Project Name	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) \$	Eligible Rebate Amount (H) <div>\$ Note 2</div>
1	Traffic Signal Replacements	05/03/2011	\$430,071	\$215,036	5,706,868	5,706,868	-	\$200,080	\$150,060
					-	-	-	\$200,080	
					-	-	-		
					-	-	-		
					-	-	-		
					-	-	-		
Total			\$430,071		5,706,868	5,706,868	0	\$200,080	\$150,060

Docket No. 13-1346

Site: 555 N. Expressway Drive

Notes

(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.

(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.

Commitment
Payment
\$

\$0

Exhibit 3 Utility Cost Test

UCT = Utility Avoided Costs / Utility Costs

Project	Total Annual Savings, MWh (A)	Utility Avoided Cost \$/MWh (B)	Utility Avoided Cost \$ (C)	Utility Cost \$ (D)	Cash Rebate \$ (E)	Administrator Variable Fee \$ (F)	Total Utility Cost \$ (G)	UCT (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

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


ne	Approximate Address/Intersection	Pre Fixture Quantity	Pre Arrow Unit Quantity	Existing Fixture Type	Fixture Quow Unit	Proposed Fixture Type	Incentive Per Fixture	Total Incentive	kWh/unit	kWh Arrows	Total kWh
1	Adams Franklin & 17th	9	0	12" Red/Yellow Green Incandescent Unit	9	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 405.00	1238	0	11142
2		9	0	Incandescent Pedestrian Signals	9	0 LED Pedestrian Signals	\$ 25.00	\$ 225.00	946	0	8514
3	Airport & Byrn	11	8	12" Red/Yellow Green Incandescent Unit	11	8 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 855.00	1238	1208	14826
4		8	0	Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$ 25.00	\$ 200.00	946	0	7568
5	Airport, Detroit & Fearing	10	1	12" Red/Yellow Green Incandescent Unit	10	1 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 495.00	1238	151	12531
6		10	0	Incandescent Pedestrian Signals	10	0 LED Pedestrian Signals	\$ 25.00	\$ 250.00	946	0	9466
7	South	10	0	12" Red/Yellow Green Incandescent Unit	10	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 450.00	1238	0	12380
8		2	0	Incandescent Pedestrian Signals	2	0 LED Pedestrian Signals	\$ 25.00	\$ 50.00	946	0	1892
9	Airport & 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	4952
10		2	0	Incandescent Pedestrian Signals	2	0 LED Pedestrian Signals	\$ 25.00	\$ 50.00	946	0	1892
11	Albion, AMC & Central	9	1	12" Red/Yellow Green Incandescent Unit	9	1 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 450.00	1238	151	11299
12		8	0	Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$ 25.00	\$ 200.00	946	0	7568
13	Alexis & Benore Furtura	9	2	12" Red/Yellow Green Incandescent Unit	9	2 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 495.00	1238	302	11444
14		6	0	Incandescent Pedestrian Signals	6	0 LED Pedestrian Signals	\$ 25.00	\$ 150.00	946	0	5676
15	Alexis, Benore & Enterprise	8	0	12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 360.00	1238	0	9904
16		0	0	Incandescent Pedestrian Signals	0	0 LED Pedestrian Signals	\$ 25.00	\$ -	946	0	0
17	Alexis, E. Harbor & Suder	9	0	12" Red/Yellow Green Incandescent Unit	9	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 405.00	1238	0	11142
18		8	0	Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$ 25.00	\$ 200.00	946	0	7568
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	10055
20		6	2	Incandescent Pedestrian Signals	6	2 LED Pedestrian Signals	\$ 25.00	\$ 200.00	946	302	5978
21	Alexis & I-75 SB	6	3	12" Red/Yellow Green Incandescent Unit	6	3 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 450.00	1238	453	7881
22		0	0	Incandescent Pedestrian Signals	0	0 LED Pedestrian Signals	\$ 25.00	\$ 0	946	0	0
23	Alexis & I-75 NB	6	3	12" Red/Yellow Green Incandescent Unit	6	3 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 405.00	1238	453	7881
24		0	0	Incandescent Pedestrian Signals	0	0 LED Pedestrian Signals	\$ 25.00	\$ -	946	0	0
25	N. Cove & Upton	9	0	12" Red/Yellow Green Incandescent Unit	9	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 450.00	1238	0	11142
26		0	0	Incandescent Pedestrian Signals	0	0 LED Pedestrian Signals	\$ 25.00	\$ 0	946	0	0
27	AMC, N. Cove & Willis	19	1	12" Red/Yellow Green Incandescent Unit	19	1 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 1,080.00	1238	755	24277
28		0	0	Incandescent Pedestrian Signals	0	0 LED Pedestrian Signals	\$ 25.00	\$ -	946	0	0
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	9904
30		8	0	Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$ 25.00	\$ 200.00	946	0	7568
31	AWT, Harvard & Woodsdale	8	0	12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 360.00	1238	0	9904
32		8	0	Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$ 25.00	\$ 200.00	946	0	7568
33	AWT, Hawley & South	0	0	12" Red/Yellow Green Incandescent Unit	0	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ -	1238	0	0
34		18	0	Incandescent Pedestrian Signals	18	0 LED Pedestrian Signals	\$ 25.00	\$ 450.00	946	0	17028
35	AWT, Shepler & Western	13	1	12" Red/Yellow Green Incandescent Unit	13	1 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 585.00	1238	453	11746
36		16	0	Incandescent Pedestrian Signals	16	0 LED Pedestrian Signals	\$ 25.00	\$ 400.00	946	0	15136
37	Arlington & Detroit	8	1	12" Red/Yellow Green Incandescent Unit	8	1 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 405.00	1238	151	10055
38		8	0	Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$ 25.00	\$ 200.00	946	0	7568
39	Arlington & MCO	6	0	12" Red/Yellow Green Incandescent Unit	6	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 270.00	1238	0	7428
40		0	0	Incandescent Pedestrian Signals	0	0 LED Pedestrian Signals	\$ 25.00	\$ -	946	0	0
41	Arlington & Woodsdale	8	0	12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 360.00	1238	0	9904
42		8	0	Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$ 25.00	\$ 200.00	946	0	7568
43	Ashland & Bancroft	8	0	12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 360.00	1238	0	9904
44		0	0	Incandescent Pedestrian Signals	0	0 LED Pedestrian Signals	\$ 25.00	\$ 200.00	946	0	7568
45	Ashland & Collingwood	6	1	12" Red/Yellow Green Incandescent Unit	6	1 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 315.00	1238	151	7579
46		6	0	Incandescent Pedestrian Signals	6	0 LED Pedestrian Signals	\$ 25.00	\$ 150.00	946	0	5676
47	Auburn & Bancroft	8	1	12" Red/Yellow Green Incandescent Unit	8	1 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 450.00	1238	151	10055
48		0	0	Incandescent Pedestrian Signals	0	0 LED Pedestrian Signals	\$ 25.00	\$ 0	946	0	0
49	Auburn & Central	8	0	12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 360.00	1238	0	9904
50		8	0	Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$ 25.00	\$ 200.00	946	0	7568
51	Auburn, Monroe & Ottawa	8	2	12" Red/Yellow Green Incandescent Unit	8	2 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 450.00	1238	302	10206
52		6	0	Incandescent Pedestrian Signals	6	0 LED Pedestrian Signals	\$ 25.00	\$ 150.00	946	0	5676
53	Bancroft & Campus	6	3	12" Red/Yellow Green Incandescent Unit	6	3 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 450.00	1238	453	7881
54		4	0	Incandescent Pedestrian Signals	4	0 LED Pedestrian Signals	\$ 25.00	\$ 100.00	946	0	3784
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	7428
56		4	0	Incandescent Pedestrian Signals	4	0 LED Pedestrian Signals	\$ 25.00	\$ 100.00	946	0	3784
57	Bancroft & Collingwood	8	0	12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 360.00	1238	0	9904
58		8	0	Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$ 25.00	\$ 200.00	946	0	7568
59	Bancroft & Detroit	13	5	12" Red/Yellow Green Incandescent Unit	13	5 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 810.00	1238	755	16849
60		0	0	Incandescent Pedestrian Signals	0	0 LED Pedestrian Signals	\$ 25.00	\$ 350.00	946	0	13244
61	Bancroft & Franklin	8	0	12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 360.00	1238	0	9904
62		8	0	Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$ 25.00	\$ 200.00	946	0	7568
63	Bancroft & Holland-Sylvania	8	3	12" Red/Yellow Green Incandescent Unit	8	3 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 495.00	1238	453	10357
64		8	0	Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$ 25.00	\$ 200.00	946	0	7568
65	Bancroft, Indian & Secor	14	0	12" Red/Yellow Green Incandescent Unit	14	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 630.00	1238	0	10532
66		8	0	Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$ 25.00	\$ 200.00	946	0	7568
67	Bancroft & Monroe	10	2	12" Red/Yellow Green Incandescent Unit	10	2 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 540.00	1238	302	12682
68		0	0	Incandescent Pedestrian Signals	0	0 LED Pedestrian Signals	\$ 25.00	\$ 200.00	946	0	7568
69	Bancroft, Ottawa & Parkside	11	2	12" Red/Yellow Green Incandescent Unit	11	2 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 585.00	1238	302	13930
70		12	0	Incandescent Pedestrian Signals	12	0 LED Pedestrian Signals	\$ 25.00	\$ 300.00	946	0	11352
71	Bancroft & Parkwood	6	2	12" Red/Yellow Green Incandescent Unit	6	2 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 360.00	1238	302	7736
72		6	0	Incandescent Pedestrian Signals	6	0 LED Pedestrian Signals	\$ 25.00	\$ 150.00	946	0	5676
73	Bancroft & St. Francis H.S.	7	0	12" Red/Yellow Green Incandescent Unit	7	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 315.00	1238	0	8666
74		6	0	Incandescent Pedestrian Signals	6	0 LED Pedestrian Signals	\$ 25.00	\$ 150.00	946	0	5676
75	Bancroft & Scottwood	6	0	12" Red/Yellow Green Incandescent Unit	6	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 270.00	1238	0	7428
76		8	0	Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$ 25.00	\$ 200.00	946	0	7568
77	Bancroft & Sylvan	8	0	12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 360.00	1238	0	9904
78		0	0	Incandescent Pedestrian Signals	0	0 LED Pedestrian Signals	\$ 25.00	\$ 0	946	0	0
79	Hills	9	4	12" Red/Yellow Green Incandescent Unit	9	4 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 585.00	1238	604	11746
80		6	0	Incandescent Pedestrian Signals	6	0 LED Pedestrian Signals	\$ 25.00	\$ 150.00	946	0	5676
81	Bancroft & Upton	15	1	12" Red/Yellow Green Incandescent Unit	15	1 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 675.00	1238	755	13244
82		14	0	Incandescent Pedestrian Signals	14	0 LED Pedestrian Signals	\$ 25.00	\$ 350.00	946	0	13244
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	8817
84		0	0	Incandescent Pedestrian Signals	0	0 LED Pedestrian Signals	\$ 25.00	\$ 0	946	0	0
85	Bates & Collingwood	4	0	12" Red/Yellow Green Incandescent Unit	4	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 180.00	1238	0	4952
86		4	0	Incandescent Pedestrian Signals	4	0 LED Pedestrian Signals	\$ 25.00	\$ 100.00	946	0	3784
87	Bellevue & Sylvania	6	0	12" Red/Yellow Green Incandescent Unit	6	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 270.00	1238	0	7428
88		6	0	Incandescent Pedestrian Signals	6	0 LED Pedestrian Signals	\$ 25.00	\$ 150.00	946	0	5676
89	Belmar, Sylvania & Torrance	0	0	Incandescent Pedestrian Signals	0	0 LED Pedestrian Signals	\$ 25.00	\$ 0	946	0	0
90		8	0	12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 360.00	1238	0	9904
91	Belmont & Detroit	8	0	Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$ 25.00	\$ 200.00	946	0	7568
92		8	0	12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 360.00	1238	0	9904
93	Bennett, Eleanor & Waggoner	12	0	Incandescent Pedestrian Signals	12	0 LED Pedestrian Signals	\$ 25.00	\$ 300.00	946	0	11352
94		8	0	Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$ 25.00	\$ 200.00	946	0	7568
95	Bennett & Laskey	8	1	12" Red/Yellow Green Incandescent Unit	8	1 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 405.00	1238	151	10055
96		8	0	Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$ 25.00	\$ 200.00	946	0	7568
97	Benore, Suder & Shoreland	10	1	12" Red/Yellow Green Incandescent Unit	10	1 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 495.00	1238	151	12531
98		8	0	Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$ 25.00	\$ 200.00	946	0	7568
99	Berdan, Cherry, Detroit & Ursula	15	3	12" Red/Yellow Green Incandescent Unit	15	3 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 810.00	1238	453	19023
100		2	0	Incandescent Pedestrian Signals	2	0 LED Pedestrian Signals	\$ 25.00	\$ 50.00	946	0	1892
101	Berdan & Douglas	8	0	12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 360.00	1238	0	9904
102		8	0	Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$ 25.00	\$ 200.00	946	0	7568
103	Berdan, Hawthill & I-75 SB on	12	8	12" Red/Yellow Green Incandescent Unit	12	8 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 900.00	1238	1208	16064
104		12	0	Incandescent Pedestrian Signals	12	0 LED Pedestrian Signals	\$ 25.00	\$ 300.00	946	0	11352
105	Berdan & I-75 NB Off	0	0	12" Red/Yellow Green Incandescent Unit	0	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 0	1238	0	0
106		2	0	Incandescent Pedestrian Signals	2	0 LED Pedestrian Signals	\$ 25.00	\$ 50.00	946	0	1892
107	Berdan & Jackman	8	0	12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$ 45.00	\$ 360.00	1238	0	9904
108		0	0	Incandescent Pedestrian Signals	0	0 LED Pedestrian Signals	\$ 25.00	\$ -	946	0	0
109	Berdan & Martha	8									

150		2	0 Incandescent Pedestrian Signals	2	0 LED Pedestrian Signals	\$	25.00	\$	50.00	946	0	1892
151 Buckingham & Detroit		10	4 12" Red/Yellow Green Incandescent Unit	10	4 12" Red/Yellow/Green LED Unit	\$	45.00	\$	630.00	1238	604	12594
152		6	0 Incandescent Pedestrian Signals	6	0 LED Pedestrian Signals	\$	25.00	\$	150.00	946	0	5676
153 Byrne, Copland & Folstone		6	0 12" Red/Yellow Green Incandescent Unit	10	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	450.00	1238	0	12383
154		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
155 Byrne, Detroit & Devonshire		7	1 12" Red/Yellow Green Incandescent Unit	7	1 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	151	8817
156		6	0 Incandescent Pedestrian Signals	6	0 LED Pedestrian Signals	\$	25.00	\$	150.00	946	0	5676
157 Byrne & Dorr		7	1 12" Red/Yellow Green Incandescent Unit	7	1 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	151	7041
158		4	0 Incandescent Pedestrian Signals	4	0 LED Pedestrian Signals	\$	25.00	\$	100.00	946	0	3784
159 Byrne, Glanzman & Winston		11	2 12" Red/Yellow Green Incandescent Unit	11	2 12" Red/Yellow/Green LED Unit	\$	45.00	\$	585.00	1238	302	13920
160		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
161 Byrne & Glendale		8	0 12" Red/Yellow Green Incandescent Unit	16	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	720.00	1238	0	12194
162		16	0 Incandescent Pedestrian Signals	16	0 LED Pedestrian Signals	\$	25.00	\$	400.00	946	0	15136
163 Byrne & Heatherdowns		10	4 12" Red/Yellow Green Incandescent Unit	10	4 12" Red/Yellow/Green LED Unit	\$	45.00	\$	630.00	1238	604	12594
164		10	0 Incandescent Pedestrian Signals	10	0 LED Pedestrian Signals	\$	25.00	\$	250.00	946	0	9460
165 Byrne & Nebraska		6	3 12" Red/Yellow Green Incandescent Unit	6	3 12" Red/Yellow/Green LED Unit	\$	45.00	\$	405.00	1238	453	7881
166		6	0 Incandescent Pedestrian Signals	6	0 LED Pedestrian Signals	\$	25.00	\$	150.00	946	0	5676
167 Juliet		9	1 12" Red/Yellow Green Incandescent Unit	9	1 12" Red/Yellow/Green LED Unit	\$	45.00	\$	450.00	1238	151	11293
168		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
169 Cardinal & Monroe		7	0 12" Red/Yellow Green Incandescent Unit	7	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	315.00	1238	0	8666
170		6	0 Incandescent Pedestrian Signals	6	0 LED Pedestrian Signals	\$	25.00	\$	150.00	946	0	5676
171 Cass & Glendale		15	3 12" Red/Yellow Green Incandescent Unit	15	3 12" Red/Yellow/Green LED Unit	\$	45.00	\$	810.00	1238	453	19023
172		12	0 Incandescent Pedestrian Signals	12	0 LED Pedestrian Signals	\$	25.00	\$	300.00	946	0	11352
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
174		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
175 Central & Chettenham		8	1 12" Red/Yellow Green Incandescent Unit	8	1 12" Red/Yellow/Green LED Unit	\$	45.00	\$	405.00	1238	151	10055
176		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
177 Central & Corey		6	1 12" Red/Yellow Green Incandescent Unit	8	1 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	302	7730
178		6	0 Incandescent Pedestrian Signals	6	0 LED Pedestrian Signals	\$	25.00	\$	150.00	946	0	5676
179 Central & Detroit		8	1 12" Red/Yellow Green Incandescent Unit	8	1 12" Red/Yellow/Green LED Unit	\$	45.00	\$	405.00	1238	151	10055
180		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
181 Central & Douglas		9	0 12" Red/Yellow Green Incandescent Unit	9	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	315.00	1238	0	8666
182		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
183 Central & Drummond		8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	0	9904
184		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
185 Central, Executive & Wicklow		13	1 12" Red/Yellow Green Incandescent Unit	13	1 12" Red/Yellow/Green LED Unit	\$	45.00	\$	405.00	1238	302	16054
186		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
187 Central & Jackson		8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	0	9904
188		4	0 Incandescent Pedestrian Signals	4	0 LED Pedestrian Signals	\$	25.00	\$	100.00	946	0	3784
189 Central & Lagrange		9	0 12" Red/Yellow Green Incandescent Unit	9	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	315.00	1238	0	8666
190		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
191 Central, Monroe & Northwood		11	2 12" Red/Yellow Green Incandescent Unit	11	2 12" Red/Yellow/Green LED Unit	\$	45.00	\$	585.00	1238	302	13920
192		6	0 Incandescent Pedestrian Signals	6	0 LED Pedestrian Signals	\$	25.00	\$	150.00	946	0	5676
193 Central, Promedica		8	1 12" Red/Yellow Green Incandescent Unit	8	1 12" Red/Yellow/Green LED Unit	\$	45.00	\$	405.00	1238	302	10206
194		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
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
196		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
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
198		2	0 Incandescent Pedestrian Signals	2	0 LED Pedestrian Signals	\$	25.00	\$	50.00	946	0	1892
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
200		14	0 Incandescent Pedestrian Signals	14	0 LED Pedestrian Signals	\$	25.00	\$	350.00	946	0	13244
201 Central & W. Lincolnshire		0	0 12" Red/Yellow Green Incandescent Unit	0	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	0.00	1238	0	0
202		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
203 Chase & Galena		8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	0	9904
204		6	0 Incandescent Pedestrian Signals	6	0 LED Pedestrian Signals	\$	25.00	\$	150.00	946	0	5676
205 Chettenham & Monroe		6	0 12" Red/Yellow Green Incandescent Unit	6	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	270.00	1238	0	7428
206		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
207 Cherry & Collingwood SB		7	5 12" Red/Yellow Green Incandescent Unit	7	5 12" Red/Yellow/Green LED Unit	\$	45.00	\$	540.00	1238	755	9421
208		6	0 Incandescent Pedestrian Signals	6	0 LED Pedestrian Signals	\$	25.00	\$	150.00	946	0	5676
209 Cherry & Erie		6	2 12" Red/Yellow Green Incandescent Unit	6	2 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	302	7730
210		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
211 Cherry & Huron		6	2 12" Red/Yellow Green Incandescent Unit	6	2 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	302	7730
212		6	0 Incandescent Pedestrian Signals	6	0 LED Pedestrian Signals	\$	25.00	\$	150.00	946	0	5676
213 Cherry & Summit		12	4 12" Red/Yellow Green Incandescent Unit	12	4 12" Red/Yellow/Green LED Unit	\$	45.00	\$	720.00	1238	604	15466
214		16	0 Incandescent Pedestrian Signals	16	0 LED Pedestrian Signals	\$	25.00	\$	400.00	946	0	11316
215 Cheyenne & Heatherdowns		10	3 12" Red/Yellow Green Incandescent Unit	10	3 12" Red/Yellow/Green LED Unit	\$	45.00	\$	585.00	1238	453	12813
216		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
217 Southwick SC		8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	0	9904
218		0	0 Incandescent Pedestrian Signals	0	0 LED Pedestrian Signals	\$	25.00	\$	0.00	1238	0	0
219 Christie, Monroe & Upton		8	2 12" Red/Yellow Green Incandescent Unit	8	2 12" Red/Yellow/Green LED Unit	\$	45.00	\$	450.00	1238	302	10206
220		10	0 Incandescent Pedestrian Signals	10	0 LED Pedestrian Signals	\$	25.00	\$	250.00	946	0	9460
221 Chrysler, Counter & Manhattan		9	2 12" Red/Yellow Green Incandescent Unit	9	2 12" Red/Yellow/Green LED Unit	\$	45.00	\$	495.00	1238	302	11444
222		6	0 Incandescent Pedestrian Signals	6	0 LED Pedestrian Signals	\$	25.00	\$	150.00	946	0	5676
223 Chrysler & Stickney		6	2 12" Red/Yellow Green Incandescent Unit	6	2 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	302	7730
224		0	0 Incandescent Pedestrian Signals	0	0 LED Pedestrian Signals	\$	25.00	\$	-	946	0	0
225 Cincinnati, Riverside & Summit		8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	0	9904
226		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
227 City Park & Dorr		6	1 12" Red/Yellow Green Incandescent Unit	8	1 12" Red/Yellow/Green LED Unit	\$	45.00	\$	405.00	1238	0	7428
228		6	0 Incandescent Pedestrian Signals	6	0 LED Pedestrian Signals	\$	25.00	\$	150.00	946	0	5676
229 City Park & Nebraska		8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	0	9904
230		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
231 Clayton & Summit		8	1 12" Red/Yellow Green Incandescent Unit	8	1 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	453	10151
232		12	0 Incandescent Pedestrian Signals	12	0 LED Pedestrian Signals	\$	25.00	\$	300.00	946	0	11352
233 Coining & Jackson		8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	0	9904
234		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
235 College Station, Secor & SWAC		6	1 12" Red/Yellow Green Incandescent Unit	6	1 12" Red/Yellow/Green LED Unit	\$	45.00	\$	405.00	1238	151	7576
236		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
237 Collingwood & Delaware		8	1 12" Red/Yellow Green Incandescent Unit	8	1 12" Red/Yellow/Green LED Unit	\$	45.00	\$	405.00	1238	151	10055
238		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
239 Collingwood & Detroit		8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	0	9904
240		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
241 Collingwood & Dorr		13	3 12" Red/Yellow Green Incandescent Unit	13	3 12" Red/Yellow/Green LED Unit	\$	45.00	\$	720.00	1238	453	16547
242		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
243 Collingwood & Indiana		8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	0	9904
244		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
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
246		4	0 Incandescent Pedestrian Signals	4	0 LED Pedestrian Signals	\$	25.00	\$	100.00	946	0	3784
247 Collingwood & Islington		8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	0	9904
248		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
249 Collingwood & Jefferson		10	2 12" Red/Yellow Green Incandescent Unit	10	2 12" Red/Yellow/Green LED Unit	\$	45.00	\$	540.00	1238	302	12682
250		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
251 Collingwood, Monroe & 23rd		9	1 12" Red/Yellow Green Incandescent Unit	9	1 12" Red/Yellow/Green LED Unit	\$	45.00	\$	495.00	1238	302	11444
252		10	0 Incandescent Pedestrian Signals	10	0 LED Pedestrian Signals	\$	25.00	\$	250.00	946	0	9460
253 Collingwood & Nebraska		9	1 12" Red/Yellow Green Incandescent Unit	9	1 12" Red/Yellow/Green LED Unit	\$	45.00	\$	405.00	1238	151	11293
254		10	0 Incandescent Pedestrian Signals	10	0 LED Pedestrian Signals	\$	25.00	\$	250.00	946	0	9460
255 Collingwood & Oakwood		6	0									

300		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
301 Detroit & Oakwood		6	0 12" Red/Yellow Green Incandescent Unit	6	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	270.00	1238	0	6984
302		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
303 Detroit & Phillips	15	8	4 12" Red/Yellow Green Incandescent Unit	15	4 12" Red/Yellow/Green LED Unit	\$	45.00	\$	855.00	1238	604	19174
304		12	0 Incandescent Pedestrian Signals	12	0 LED Pedestrian Signals	\$	25.00	\$	300.00	946	0	11352
305 Detroit & Schneider		6	0 12" Red/Yellow Green Incandescent Unit	6	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	270.00	1238	0	6540
306		0	0 Incandescent Pedestrian Signals	0	0 LED Pedestrian Signals	\$	25.00	\$	0	946	0	0
307 Detroit & South		8	1 12" Red/Yellow Green Incandescent Unit	8	1 12" Red/Yellow/Green LED Unit	\$	45.00	\$	405.00	1238	151	10095
308		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	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		0	0 Incandescent Pedestrian Signals	0	0 LED Pedestrian Signals	\$	25.00	\$	0	946	0	0
311 Detroit & Sylvania		8	2 12" Red/Yellow Green Incandescent Unit	8	2 12" Red/Yellow/Green LED Unit	\$	45.00	\$	450.00	1238	302	10206
312		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
313 Detroit & Woodruff		8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	0	9904
314		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
315 DeVeaux School & Sylvania		6	0 12" Red/Yellow Green Incandescent Unit	6	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	270.00	1238	0	7428
316		4	0 Incandescent Pedestrian Signals	4	0 LED Pedestrian Signals	\$	25.00	\$	100.00	946	0	3784
317 Dexter & Lagrange		8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	0	9016
318		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	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		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
321 Dorr, Douglas & Westwood	12	12	2 12" Red/Yellow Green Incandescent Unit	12	2 12" Red/Yellow/Green LED Unit	\$	45.00	\$	630.00	1238	302	13636
322		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
323 Dorr, Harrow & Olympia	10	10	0 12" Red/Yellow Green Incandescent Unit	10	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	450.00	1238	0	12388
324		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	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	0	6984
326		6	0 Incandescent Pedestrian Signals	6	0 LED Pedestrian Signals	\$	25.00	\$	150.00	946	0	5676
327 Dorr & Hoag		8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	0	9904
328		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
329 Dorr & Holland-Sylvania		8	3 12" Red/Yellow Green Incandescent Unit	8	3 12" Red/Yellow/Green LED Unit	\$	45.00	\$	495.00	1238	453	10357
330		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
331 Dorr & Lawrence		7	1 12" Red/Yellow Green Incandescent Unit	8	1 12" Red/Yellow/Green LED Unit	\$	45.00	\$	1238	1238	151	8817
332		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
333 Dorr & Linden		8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	0	9460
334		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
335 Dorr & Parkside	12	12	2 12" Red/Yellow Green Incandescent Unit	12	2 12" Red/Yellow/Green LED Unit	\$	45.00	\$	1238	1238	302	15158
336		12	0 Incandescent Pedestrian Signals	12	0 LED Pedestrian Signals	\$	25.00	\$	300.00	946	0	11352
337 Dorr & Richards		8	1 12" Red/Yellow Green Incandescent Unit	8	1 12" Red/Yellow/Green LED Unit	\$	45.00	\$	405.00	1238	151	10095
338		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
339 Dorr & Secor		8	1 12" Red/Yellow Green Incandescent Unit	8	1 12" Red/Yellow/Green LED Unit	\$	45.00	\$	1238	1238	453	10357
340		6	0 Incandescent Pedestrian Signals	6	0 LED Pedestrian Signals	\$	25.00	\$	150.00	946	0	5676
341 Dorr, 17th & Washington	4	4	0 12" Red/Yellow Green Incandescent Unit	4	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	180.00	1238	0	4952
342		0	0 Incandescent Pedestrian Signals	6	0 LED Pedestrian Signals	\$	25.00	\$	150.00	946	0	5676
343 Dorr, Shenando & Upton		8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	1238	1238	0	9904
344		10	0 Incandescent Pedestrian Signals	10	0 LED Pedestrian Signals	\$	25.00	\$	250.00	946	0	9460
345 Dorr & Smead	10	10	0 12" Red/Yellow Green Incandescent Unit	10	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	450.00	1238	0	12388
346		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
347 Dorr & UT	11	11	0 12" Red/Yellow Green Incandescent Unit	11	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	1238	1238	0	13636
348		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
349 Dorr & Waverly		8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	0	9016
350		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	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		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
353 Douglas & Kenwood		9	0 12" Red/Yellow Green Incandescent Unit	9	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	405.00	1238	0	11142
354		4	0 Incandescent Pedestrian Signals	4	0 LED Pedestrian Signals	\$	25.00	\$	100.00	946	0	3784
355 Douglas, Laskey & Tremainsville	22	22	4 12" Red/Yellow Green Incandescent Unit	22	4 12" Red/Yellow/Green LED Unit	\$	45.00	\$	900.00	1238	604	27844
356		12	0 Incandescent Pedestrian Signals	12	0 LED Pedestrian Signals	\$	25.00	\$	300.00	946	0	11352
357 Douglas & Monroe		9	2 12" Red/Yellow Green Incandescent Unit	9	2 12" Red/Yellow/Green LED Unit	\$	45.00	\$	495.00	1238	302	11444
358		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
359 Douglas & Oak Grove		8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	0	9904
360		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
361 Douglas & Sylvania	11	11	4 12" Red/Yellow Green Incandescent Unit	11	4 12" Red/Yellow/Green LED Unit	\$	45.00	\$	675.00	1238	604	14222
362		6	0 Incandescent Pedestrian Signals	6	0 LED Pedestrian Signals	\$	25.00	\$	150.00	946	0	5676
363 Douglas & Sylvania		8	2 12" Red/Yellow Green Incandescent Unit	8	2 12" Red/Yellow/Green LED Unit	\$	45.00	\$	450.00	1238	302	10206
364		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
365 Douglas & University Hills		9	3 12" Red/Yellow Green Incandescent Unit	9	3 12" Red/Yellow/Green LED Unit	\$	45.00	\$	540.00	1238	453	11595
366		2	0 Incandescent Pedestrian Signals	2	0 LED Pedestrian Signals	\$	25.00	\$	50.00	946	0	1892
367 Douglas & Wernert School	4	4	0 12" Red/Yellow Green Incandescent Unit	4	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	180.00	1238	0	4952
368		2	0 Incandescent Pedestrian Signals	2	0 LED Pedestrian Signals	\$	25.00	\$	50.00	946	0	1892
369 East Broadway & Front		6	0 12" Red/Yellow Green Incandescent Unit	6	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	270.00	1238	0	7428
370		6	0 Incandescent Pedestrian Signals	6	0 LED Pedestrian Signals	\$	25.00	\$	150.00	946	0	5676
371 East Broadway & Navarre		8	2 12" Red/Yellow Green Incandescent Unit	8	2 12" Red/Yellow/Green LED Unit	\$	45.00	\$	450.00	1238	302	10206
372		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
373 East Broadway & Nevada		8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	0	9904
374		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
375 East Broadway & Oakdale		9	0 12" Red/Yellow Green Incandescent Unit	9	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	405.00	1238	0	11142
376		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
377 Sixth		9	1 12" Red/Yellow Green Incandescent Unit	9	1 12" Red/Yellow/Green LED Unit	\$	45.00	\$	1238	1238	0	11142
378		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
379 East Broadway & Starr		8	2 12" Red/Yellow Green Incandescent Unit	8	2 12" Red/Yellow/Green LED Unit	\$	45.00	\$	450.00	1238	302	10206
380		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
381 Varland		8	1 12" Red/Yellow Green Incandescent Unit	8	1 12" Red/Yellow/Green LED Unit	\$	45.00	\$	1238	1238	0	9904
382		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
383 East Broadway & Woodliffe	12	12	0 12" Red/Yellow Green Incandescent Unit	12	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	540.00	1238	0	14854
384		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
385 Eastgate & Glendale	11	11	1 12" Red/Yellow Green Incandescent Unit	11	1 12" Red/Yellow/Green LED Unit	\$	45.00	\$	1238	1238	453	14071
386		14	0 Incandescent Pedestrian Signals	14	0 LED Pedestrian Signals	\$	25.00	\$	350.00	946	0	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		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
389 Edgewater & 134th		6	0 12" Red/Yellow Green Incandescent Unit	6	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	1238	1238	0	7428
390		6	0 Incandescent Pedestrian Signals	6	0 LED Pedestrian Signals	\$	25.00	\$	150.00	946	0	5676
391 Secor		8	4 12" Red/Yellow Green Incandescent Unit	8	4 12" Red/Yellow/Green LED Unit	\$	45.00	\$	540.00	1238	604	10508
392		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
393 Eleanor & Jackman		6	1 12" Red/Yellow Green Incandescent Unit	6	1 12" Red/Yellow/Green LED Unit	\$	45.00	\$	1238	1238	151	7575
394		6	0 Incandescent Pedestrian Signals	6	0 LED Pedestrian Signals	\$	25.00	\$	150.00	946	0	5676
395 Eleanor & Lewis		8	1 12" Red/Yellow Green Incandescent Unit	8	1 12" Red/Yellow/Green LED Unit	\$	45.00	\$	405.00	1238	151	10095
396		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
397 Eleanor & North Haven		8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	0	9904
398		0	0 Incandescent Pedestrian Signals	0	0 LED Pedestrian Signals	\$	25.00	\$	0	946	0	0
399 Eleanor & Walker		8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	0	9904
400		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
401 11th, Indiana & Washington		9	0 12" Red/Yellow Green Incandescent Unit	9	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	405.00	1238	0	10698
402		10	0 Incandescent Pedestrian Signals	10	0 LED Pedestrian Signals	\$	25.00	\$	250.00	946	0	9460
403 11th & Jefferson	6	6	0 12" Red/Yellow Green Incandescent Unit	6	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	270.00	1238	0	6540
404		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
405 11th & Monroe		6	0 12" Red/Yellow Green Incandescent Unit	6	0 12" Red/Y							

450		6	0 Incandescent Pedestrian Signals	6	0 LED Pedestrian Signals	\$	25.00	\$	150.00	946	0	5676
451 Franklin & Woodruff		8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	0	9904
452		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	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		4	0 Incandescent Pedestrian Signals	4	0 LED Pedestrian Signals	\$	25.00	\$	100.00	946	0	3784
455 Franklin Park Mall N. & Talmadge		9	2 12" Red/Yellow Green Incandescent Unit	9	2 12" Red/Yellow/Green LED Unit	\$	45.00	\$	495.00	1238	302	11444
456		6	0 Incandescent Pedestrian Signals	6	0 LED Pedestrian Signals	\$	25.00	\$	150.00	946	0	5676
457 Franklin Park Mall S. & Talmadge		8	2 12" Red/Yellow Green Incandescent Unit	8	2 12" Red/Yellow/Green LED Unit	\$	45.00	\$	450.00	1238	302	10206
458		12	0 Incandescent Pedestrian Signals	12	0 LED Pedestrian Signals	\$	25.00	\$	300.00	946	0	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	\$	360.00	1238	151	8817
460		3	0 Incandescent Pedestrian Signals	3	0 LED Pedestrian Signals	\$	25.00	\$	75.00	946	0	2818
461 Franklin Place, Marcos & Monroe		9	1 12" Red/Yellow Green Incandescent Unit	9	1 12" Red/Yellow/Green LED Unit	\$	45.00	\$	450.00	1238	151	11293
462		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
463 Galena & Summit		6	1 12" Red/Yellow Green Incandescent Unit	6	1 12" Red/Yellow/Green LED Unit	\$	45.00	\$	315.00	1238	151	7579
464		4	0 Incandescent Pedestrian Signals	4	0 LED Pedestrian Signals	\$	25.00	\$	100.00	946	0	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		4	0 Incandescent Pedestrian Signals	4	0 LED Pedestrian Signals	\$	25.00	\$	100.00	946	0	3784
467 Jackman		8	2 12" Red/Yellow Green Incandescent Unit	8	2 12" Red/Yellow/Green LED Unit	\$	45.00	\$	450.00	1238	302	10206
468		6	0 Incandescent Pedestrian Signals	6	0 LED Pedestrian Signals	\$	25.00	\$	150.00	946	0	5676
469 Glendale, Glengate & Kroger		8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	0	9904
470		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	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		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
473 Glendale & Harvard School		4	0 12" Red/Yellow Green Incandescent Unit	4	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	180.00	1238	0	4952
474		2	0 Incandescent Pedestrian Signals	2	0 LED Pedestrian Signals	\$	25.00	\$	50.00	946	0	1892
475 Glendale, Kroger & MVCDS		8	1 12" Red/Yellow Green Incandescent Unit	8	1 12" Red/Yellow/Green LED Unit	\$	45.00	\$	405.00	1238	151	10055
476		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	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		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
479 Glendale & Toledo Commons		8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	0	9904
480		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
481 Grogan, Jackman & Marketplace		4	0 12" Red/Yellow Green Incandescent Unit	4	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	120.00	1238	0	4952
482		0	0 Incandescent Pedestrian Signals	0	0 LED Pedestrian Signals	\$	25.00	\$	-	946	0	0
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		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
485 Harvest & Monroe		8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	0	9904
486		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
487 Haverhill & Phillips		7	1 12" Red/Yellow Green Incandescent Unit	7	1 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	151	7485
488		3	0 Incandescent Pedestrian Signals	3	0 LED Pedestrian Signals	\$	25.00	\$	75.00	946	0	2818
489 Hawley & Indiana		0	0 12" Red/Yellow Green Incandescent Unit	0	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	120.00	1238	0	4952
490		0	0 Incandescent Pedestrian Signals	0	0 LED Pedestrian Signals	\$	25.00	\$	946	0	0	0
491 Hawley & Nebraska		8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	0	9904
492		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
493 Heatherdowns & Key		8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	450.00	1238	302	10206
494		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
495 School		5	0 12" Red/Yellow Green Incandescent Unit	5	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	225.00	1238	0	6190
496		2	0 Incandescent Pedestrian Signals	2	0 LED Pedestrian Signals	\$	25.00	\$	50.00	946	0	1892
497 Hiett & South		8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	0	9904
498		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	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		4	0 Incandescent Pedestrian Signals	4	0 LED Pedestrian Signals	\$	25.00	\$	100.00	946	0	3784
501 Hill & Holland Sylvania		8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	0	9904
502		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
503 Hill & Keyser School		4	0 12" Red/Yellow Green Incandescent Unit	4	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	0	4952
504		2	0 Incandescent Pedestrian Signals	2	0 LED Pedestrian Signals	\$	25.00	\$	50.00	946	0	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	7736
506		6	0 Incandescent Pedestrian Signals	6	0 LED Pedestrian Signals	\$	25.00	\$	150.00	946	0	5676
507 Hillcrest & Jackman		12	0 12" Red/Yellow Green Incandescent Unit	12	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	540.00	1238	0	14856
508		2	0 Incandescent Pedestrian Signals	2	0 LED Pedestrian 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		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
511 Hoehler, Holyoke & Monroe		4	0 12" Red/Yellow Green Incandescent Unit	4	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	180.00	1238	0	4952
512		2	0 Incandescent Pedestrian Signals	2	0 LED Pedestrian Signals	\$	25.00	\$	50.00	946	0	1892
513 Holland-Sylvania & Kroger		6	1 12" Red/Yellow Green Incandescent Unit	6	1 12" Red/Yellow/Green LED Unit	\$	45.00	\$	315.00	1238	151	7579
514		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	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	9904
516		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
517 Huron & Lagrange		6	0 12" Red/Yellow Green Incandescent Unit	6	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	270.00	1238	0	6540
518		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
519 Hydramatic & Jackman		6	1 12" Red/Yellow Green Incandescent Unit	6	1 12" Red/Yellow/Green LED Unit	\$	45.00	\$	315.00	1238	151	7579
520		6	0 Incandescent Pedestrian Signals	6	0 LED Pedestrian Signals	\$	25.00	\$	100.00	946	0	3784
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		4	0 Incandescent Pedestrian Signals	4	0 LED Pedestrian Signals	\$	25.00	\$	100.00	946	0	3784
523-1280 SB Off & Starr		8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	0	9904
524		6	0 Incandescent Pedestrian Signals	6	0 LED Pedestrian Signals	\$	25.00	\$	150.00	946	0	5676
525 & Suder		13	3 12" Red/Yellow Green Incandescent Unit	13	3 12" Red/Yellow/Green LED Unit	\$	45.00	\$	720.00	1238	453	16547
526		6	0 Incandescent Pedestrian Signals	6	0 LED Pedestrian Signals	\$	25.00	\$	150.00	946	0	5676
527-175 NB On, SB Off & Willys		9	2 12" Red/Yellow Green Incandescent Unit	9	2 12" Red/Yellow/Green LED Unit	\$	45.00	\$	405.00	1238	0	11142
528		0	0 Incandescent Pedestrian Signals	0	0 LED Pedestrian Signals	\$	25.00	\$	946	0	0	0
529 Manhattan		6	1 12" Red/Yellow Green Incandescent Unit	6	1 12" Red/Yellow/Green LED Unit	\$	45.00	\$	315.00	1238	151	7579
530		4	0 Incandescent Pedestrian Signals	4	0 LED Pedestrian Signals	\$	25.00	\$	100.00	946	0	3784
531 Springbrook & Talmadge		13	1 12" Red/Yellow Green Incandescent Unit	13	1 12" Red/Yellow/Green LED Unit	\$	45.00	\$	675.00	1238	302	10206
532		0	0 Incandescent Pedestrian Signals	0	0 LED Pedestrian Signals	\$	25.00	\$	946	0	0	0
533-1475 WB Off & Jackman		6	0 12" Red/Yellow Green Incandescent Unit	6	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	270.00	1238	0	6540
534		0	0 Incandescent Pedestrian Signals	0	0 LED Pedestrian Signals	\$	25.00	\$	946	0	0	0
535 Indiana & 13th		8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	0	9904
536		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
537 Jackman & Laskey		14	2 12" Red/Yellow Green Incandescent Unit	14	2 12" Red/Yellow/Green LED Unit	\$	45.00	\$	720.00	1238	302	16746
538		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
539 Jackman & Longfellow School		4	0 12" Red/Yellow Green Incandescent Unit	4	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	120.00	1238	0	4952
540		2	0 Incandescent Pedestrian Signals	2	0 LED Pedestrian Signals	\$	25.00	\$	50.00	946	0	1892
541 S.C.		8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	0	9904
542		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
543 Jefferson & 17th		10	0 12" Red/Yellow Green Incandescent Unit	10	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	450.00	1238	0	11492
544		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
545 Junction & Nebraska		8	0 12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	0	9904
546		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
547 Kenwood & Secor		8	2 12" Red/Yellow Green Incandescent Unit	8	2 12" Red/Yellow/Green LED Unit	\$	45.00	\$	450.00	1238	302	10206
548		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
549 Lagrange & Manhattan		8	2 12" Red/Yellow Green Incandescent Unit	8	2 12" Red/Yellow/Green LED Unit	\$	45.00	\$	450.00	1238	302	10206
550		4	0 Incandescent Pedestrian Signals	4	0 LED Pedestrian Signals	\$	25.00	\$	100.00	946	0	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		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
553 Lagrange & Sherman		10	0 12" Red/Yellow Green Incandescent Unit	10	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	450.00	1238	0	12388
554		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
555 Lagrange & Summit		8	2 12" Red/Yellow Green Incandescent Unit	8	2 12" Red/Yellow/Green LED Unit	\$	45.00	\$	450.00	1238	3	

600		6	0 Incandescent Pedestrian Signals	6	0 LED Pedestrian Signals	\$	25.00	\$	150.00	946	0	5676
601 Monroe & Plaza Apartments		4	0 12" Red/Yellow Green Incandescent Unit	4	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	180.00	1238	0	4952
602		2	0 Incandescent Pedestrian Signals	2	0 LED Pedestrian Signals	\$	25.00	\$	50.00	946	0	1892
603 Monroe & Secor	12	9	12" Red/Yellow Green Incandescent Unit	12	9 12" Red/Yellow/Green LED Unit	\$	45.00	\$	945.00	1238	1359	16215
604		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
605 Monroe & 17th		8	1 12" Red/Yellow Green Incandescent Unit	8	1 12" Red/Yellow/Green LED Unit	\$	45.00	\$	405.00	1238	151	10055
606		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
607 Monroe & Sylvania	10	2	12" Red/Yellow Green Incandescent Unit	10	2 12" Red/Yellow/Green LED Unit	\$	45.00	\$	540.00	1238	302	11899
608		4	0 Incandescent Pedestrian Signals	4	0 LED Pedestrian Signals	\$	25.00	\$	100.00	946	0	3784
609 Monroe & Talmadge	14	3	12" Red/Yellow Green Incandescent Unit	14	3 12" Red/Yellow/Green LED Unit	\$	45.00	\$	765.00	1238	453	17785
610		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
611 Morrison & 6th	6	0	12" Red/Yellow Green Incandescent Unit	6	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	270.00	1238	0	7428
612		6	0 Incandescent Pedestrian Signals	6	0 LED Pedestrian Signals	\$	25.00	\$	150.00	946	0	5676
613 Navarre & Oak	8	0	12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	0	9904
614		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
615 Navarre & White	9	3	12" Red/Yellow Green Incandescent Unit	9	3 12" Red/Yellow/Green LED Unit	\$	45.00	\$	540.00	1238	453	11595
616		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
617 Nebraska & Parkside	9	2	12" Red/Yellow Green Incandescent Unit	9	2 12" Red/Yellow/Green LED Unit	\$	45.00	\$	495.00	1238	302	10556
618		12	0 Incandescent Pedestrian Signals	12	0 LED Pedestrian Signals	\$	25.00	\$	300.00	946	0	11352
619 Nebraska & Westwood	8	3	12" Red/Yellow Green Incandescent Unit	8	3 12" Red/Yellow/Green LED Unit	\$	45.00	\$	495.00	1238	453	10357
620		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
621 Nevada & Oak	8	0	12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	0	9904
622		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
623 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	16094
624		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
625 Newton & St. Clair Flasher	3	0	12" Red/Yellow Green Incandescent Unit	3	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	135.00	1238	0	3714
626		0	0 Incandescent Pedestrian Signals	0	0 LED Pedestrian Signals	\$	25.00	\$	0.00	946	0	0
627 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	7428
628		6	0 Incandescent Pedestrian Signals	6	0 LED Pedestrian Signals	\$	25.00	\$	150.00	946	0	5676
629 North Cove & Upton	9	0	12" Red/Yellow Green Incandescent Unit	9	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	405.00	1238	0	11142
630		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
631 North Haven & Sylvania	8	0	12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	0	9904
632		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
633 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	7428
634		6	0 Incandescent Pedestrian Signals	6	0 LED Pedestrian Signals	\$	25.00	\$	150.00	946	0	5676
635 Oak & Woodville	9	1	12" Red/Yellow Green Incandescent Unit	9	1 12" Red/Yellow/Green LED Unit	\$	45.00	\$	405.00	1238	151	9952
636		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
637 Flasher (only Amber bulbs)	2	0	12" Red/Yellow Green Incandescent Unit	2	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	90.00	1238	0	2476
638		0	0 Incandescent Pedestrian Signals	0	0 LED Pedestrian Signals	\$	25.00	\$	0.00	946	0	0
639 Oakwood & Upton	8	0	12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	0	9904
640		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
641 108th & Summit	6	0	12" Red/Yellow Green Incandescent Unit	6	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	270.00	1238	0	7428
642		6	0 Incandescent Pedestrian Signals	6	0 LED Pedestrian Signals	\$	25.00	\$	150.00	946	0	5676
643 116th & Summit	8	0	12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	0	9904
644		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
645 124th & Summit	8	0	12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	0	9904
646		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
647 131st & Summit	8	2	12" Red/Yellow Green Incandescent Unit	8	2 12" Red/Yellow/Green LED Unit	\$	45.00	\$	450.00	1238	302	10206
648		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
649 Ottawa, South Cove & Upton	8	0	12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	0	9904
650		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
651 Parakeet, Sylvania & Watson	8	0	12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	0	9904
652		0	0 Incandescent Pedestrian Signals	0	0 LED Pedestrian Signals	\$	25.00	\$	0.00	946	0	0
653 Parkside & Saint Hyacinth School	4	0	12" Red/Yellow Green Incandescent Unit	4	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	180.00	1238	0	4952
654		4	0 Incandescent Pedestrian Signals	4	0 LED Pedestrian Signals	\$	25.00	\$	100.00	946	0	3784
655 Paxton & Stickney	6	0	12" Red/Yellow Green Incandescent Unit	6	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	270.00	1238	0	7428
656		6	0 Incandescent Pedestrian Signals	6	0 LED Pedestrian Signals	\$	25.00	\$	150.00	946	0	5676
657 Secor & Sylvania	10	0	12" Red/Yellow Green Incandescent Unit	10	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	450.00	1238	0	9686
658		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
659 Secor & Towerview	6	3	12" Red/Yellow Green Incandescent Unit	6	3 12" Red/Yellow/Green LED Unit	\$	45.00	\$	405.00	1238	453	7437
660		2	0 Incandescent Pedestrian Signals	2	0 LED Pedestrian Signals	\$	25.00	\$	50.00	946	0	1892
661 Secory & Trilby School	4	0	12" Red/Yellow Green Incandescent Unit	4	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	180.00	1238	0	4952
662		2	0 Incandescent Pedestrian Signals	2	0 LED Pedestrian Signals	\$	25.00	\$	50.00	946	0	1892
663 Secor & Vallestons	5	0	12" Red/Yellow Green Incandescent Unit	5	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	225.00	1238	0	5302
664		2	0 Incandescent Pedestrian Signals	2	0 LED Pedestrian Signals	\$	25.00	\$	50.00	946	0	1892
665 South & Spencer	8	2	12" Red/Yellow Green Incandescent Unit	8	2 12" Red/Yellow/Green LED Unit	\$	45.00	\$	450.00	1238	302	10206
666		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
667 South & Thayer	6	0	12" Red/Yellow Green Incandescent Unit	6	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	270.00	1238	0	7428
668		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
669 South & Wooddale	8	0	12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	0	9904
670		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
671 Spencer & Western	8	0	12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	0	9904
672		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
673 Starr & White	8	0	12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	0	9904
674		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
675 & Westbrook	8	0	12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	0	9904
676		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
677 Sylvania & Talmadge	12	1	12" Red/Yellow Green Incandescent Unit	12	1 12" Red/Yellow/Green LED Unit	\$	45.00	\$	585.00	1238	151	14115
678		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
679 Sylvania & Upton	8	0	12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	0	9904
680		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
681 Sylvania & Violet	8	0	12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	0	9904
682		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
683 Sylvania & Woodley	6	0	12" Red/Yellow Green Incandescent Unit	6	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	270.00	1238	0	7428
684		6	0 Incandescent Pedestrian Signals	6	0 LED Pedestrian Signals	\$	25.00	\$	150.00	946	0	5676
685 Tremainsville & Whitmer	6	0	12" Red/Yellow Green Incandescent Unit	6	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	270.00	1238	0	7428
686		6	0 Incandescent Pedestrian Signals	6	0 LED Pedestrian Signals	\$	25.00	\$	150.00	946	0	5676
687 Tremainsville & Wichita	6	0	12" Red/Yellow Green Incandescent Unit	6	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	270.00	1238	0	7428
688		6	0 Incandescent Pedestrian Signals	6	0 LED Pedestrian Signals	\$	25.00	\$	150.00	946	0	5676
689 Varland & Woodville	8	2	12" Red/Yellow Green Incandescent Unit	8	2 12" Red/Yellow/Green LED Unit	\$	45.00	\$	450.00	1238	302	10206
690		8	0 Incandescent Pedestrian Signals	8	0 LED Pedestrian Signals	\$	25.00	\$	200.00	946	0	7568
691 Auburn & South Cove	8	0	12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238	0	9904
692		4	0 Incandescent Pedestrian Signals	4	0 LED Pedestrian Signals	\$	25.00	\$	100.00	946	0	3784
693 Bronx & South	6	0	12" Red/Yellow Green Incandescent Unit	6	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	270.00	1238	0	7428
694		4	0 Incandescent Pedestrian Signals	4	0 LED Pedestrian Signals	\$	25.00	\$	100.00	946	0	3784
695 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	4952
696		2	0 Incandescent Pedestrian Signals	2	0 LED Pedestrian Signals	\$	25.00	\$	50.00	946	0	1892
697 DeVibiss & Phillips	6	0	12" Red/Yellow Green Incandescent Unit	6	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	270.00	1238	0	7428
698		0	0 Incandescent Pedestrian Signals	0	0 LED Pedestrian Signals	\$	25.00	\$	0.00	946	0	0
699 Forest & Lincoln	6	0	12" Red/Yellow Green Incandescent Unit	6	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	270.00	1238	0	7428
700		10	0 Incandescent Pedestrian Signals	10	0 LED Pedestrian Signals	\$	25.00	\$	250.00	946	0	9466
701 King School & Lawrence	4	0	12" Red/Yellow Green Incandescent Unit	4	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	180.00	1238	0	4952
702		2	0 Incandescent Pedestrian Signals	2	0 LED Pedestrian Signals	\$	25.00	\$	50.00	946	0	1892
703 Navarre & Navarre School	4	0	12" Red/Yellow Green Incandescent Unit	4	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	180.00	1238	0	4952
704		2	0 Incandescent Pedestrian Signals	2	0 LED Pedestrian Signals	\$	25.00	\$	50.00	946	0	1892
705 Nelson & Woodsdale	8	0	12" Red/Yellow Green Incandescent Unit	8	0 12" Red/Yellow/Green LED Unit	\$	45.00	\$	360.00	1238		

Document Overview On     Print Preview Messages   Personal Setting

📅 Release completed	Ordered	2,208	EA	107,724.72	USD
📅 Released	Delivered	2,208	EA	107,724.72	USD
📅 Sent	Still to deliv.	0	EA	0.00	USD
📅 Fully Delivered	Invoiced	2,208	EA	107,724.72	USD
📅 Fully Invoiced	Down payments			0.00	USD

QTY	UOM	ITEM	A	MATERIAL	SHORT TEXT	PO QUANTITY	UOM	DELIV. DATE	NET PRICE	CURR.	PER	QTY	MAIL GROUP	PLINT	REQUISITIONER	JM M
10	K	10027970		LED ARROWS, GREEN 12	480 EA	04/28/2010		57.75 USD	1	EA	TRAFFIC CTRCITY OF TOLEDO					
20	K	10027971		LED ARROWS, YELLOW 12	480 EA	04/28/2010		47.70 USD	1	EA	TRAFFIC CTRCITY OF TOLEDO					
30	K	10027972		LED GREEN, BALL 12"	24 EA	04/28/2010		37.28 USD	1	EA	TRAFFIC CTRCITY OF TOLEDO					
40	K	10027979		LED YELLOW, BALL 12"	24 EA	04/28/2010		45.15 USD	1	EA	TRAFFIC CTRCITY OF TOLEDO					
50	K	10028144		PEDESTRIAN, SIGNAL, HE	600 EA	04/28/2010		38.27 USD	1	EA	TRAFFIC CTRCITY OF TOLEDO					
60	K	10028144		PEDESTRIAN, SIGNAL, HE	600 EA	04/28/2010		53.55 USD	1	EA	TRAFFIC CTRCITY OF TOLEDO					

Item Detail

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COT RELEASE PO 4500004157 Created by Melinda Villegas

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Print Preview

Messages



Personal Setting

COT RELEASE PO 4500004157 Vendor 100090 TRAFFIC CONTROL PROJ Doc. date 09/16/2010

Delivery/Invoice Texts Address Partners Org. Data Release strategy Payment Processing

	Release completed	Ordered	1,632	EA	65,382.72	USD
	Released	Delivered	1,632	EA	65,382.72	USD
	Sent	Still to deliv.	0	EA	0.00	USD
	Fully Delivered	Invoiced	1,632	EA	65,382.72	USD
	Fully Invoiced	Down paym'ts			0.00	USD

Item	Material	Short Text	PO Quantity	O.	Deliv. Date	Net Price	Curr.	Per	O.	Mail Group	Plant	Requisitioner	IM M
10	P 10027979	LED YELLOW,BALL 12"	480	EA	09/16/2010	36.66USD	1		EA	TRAFFIC CTFCITY OF TOLEDO			
20	P 10027972	LED GREEN,BALL 12"	480	EA	09/16/2010	36.66USD	1		EA	TRAFFIC CTFCITY OF TOLEDO			
30	P 10027971	LED ARROWS,YELLOW 1:	24	EA	09/16/2010	30.68USD	1		EA	TRAFFIC CTFCITY OF TOLEDO			
40	P 10027978	LED ARROWS,GREEN 12	24	EA	09/16/2010	34.32USD	1		EA	TRAFFIC CTFCITY OF TOLEDO			
50	P 10027977	LED RED,PROGRAMMABL	24	EA	09/16/2010	35.88USD	1		EA	TRAFFIC CTFCITY OF TOLEDO			
60	P 10053985	LAMPS,LED,PED.SIGNAL	600	EA	09/16/2010	46.28USD	1		EA	TRAFFIC CTFCITY OF TOLEDO			



Item Detail

Prints Window Contents

ME23N mdsxawoba INS

COT RELEASE PO 4500004770 Created by Linda Matuszewski

Document Overview On Print Preview Messages Personal Setting

 COT RELEASE PO 4500004770 Vendor 100090 TRAFFIC CONTROL PROC Doc. date 10/04/2010
 Delivery Invoice Texts Address Partners Org. Data Release strategy Payment Processing







Release completed	Ordered	75 EA	2,691.00 USD
Released	Delivered	75 EA	2,691.00 USD
Sent	Still to deliv.	8 EA	8.00 USD
Fully Delivered	Involved	75 EA	2,691.00 USD
Fully Invoiced	Down paymts		8.00 USD



Item	Item	Material	Short Text	PO Quantity	O	Deliv. Date	Net Price	Curr	Per	O	Mail Group	Plant	Requisitioner	IM M
10	K	10027970	LED ARROWS, GREEN 12	25	EA	10/04/2010	34.32 USD	1		EA	TRAFFIC CTFCITY OF TOLEDO			
20	K	10027979	LED YELLOW, BALL 12"	25	EA	10/04/2010	36.66 USD	1		EA	TRAFFIC CTFCITY OF TOLEDO			
30	K	10027972	LED GREEN, BALL 12"	25	EA	10/04/2010	38.66 USD	1		EA	TRAFFIC CTFCITY OF TOLEDO			


Item Detail

Prints Window Contents

ME23N | mdsxawoba | INS

Document Overview On     Print Preview Messages   Personal Selling



 COT RELEASE PO 4500005866 Vendor 100090 TRAFFIC CONTROL PROC Doc. date 11/03/2010

 Release completed	Ordered	1,588 EA	60,620.00 USD
 Released	Delivered	1,588 EA	60,620.00 USD
 Sent	Still to deliv.	0 EA	0.00 USD
 Fully Delivered	Involved	1,588 EA	60,620.00 USD
 Fully Invoiced	Down paym'ts		0.00 USD

Item	Alt	Material	Short Text	PO Quantity	O	Deliv. Date	Net Price	Curr.	Per	O	Matl Group	Plant	Requisitioner	Item
10	P	10053960	LED RED,BALL 12"		120	EA 11/10/2010	28.88USD	1		EA	TRAFFIC CTFCTY OF TOLEDO			
20	P	10027979	LED YELLOW,BALL 12"		400	EA 11/10/2010	36.66USD	1		EA	TRAFFIC CTFCTY OF TOLEDO			
30	P	10027972	LED GREEN,BALL 12"		420	EA 11/10/2010	36.68USD	1		EA	TRAFFIC CTFCTY OF TOLEDO			
40	P	10027971	LED ARROWS,YELLOW 12"		24	EA 11/10/2010	30.68USD	1		EA	TRAFFIC CTFCTY OF TOLEDO			
50	P	10027970	LED ARROWS,GREEN 12"		96	EA 11/10/2010	34.32USD	1		EA	TRAFFIC CTFCTY OF TOLEDO			
60	P	10027977	LED RED,PROGRAMMABLE		48	EA 11/10/2010	35.88USD	1		EA	TRAFFIC CTFCTY OF TOLEDO			
70	P	10053985	LAMPS,LED,PEDESTAL		400	EA 11/10/2010	46.28USD	1		EA	TRAFFIC CTFCTY OF TOLEDO			

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Print Preview

Messages

Personal Setting

COT RELEASE PO 4500008667 Vendor 100090 TRAFFIC CONTROL PROC Doc. date 03/01/2011

Delivery/Invoice

Texts

Address

Partners

Org. Data

Release strategy

Payment Processing

Release completed

Ordered

2,482 EA

93,800.72 USD

Released

Delivered

2,482 EA

93,800.72 USD

Sent

Still to deliv.

0 EA

0.00 USD

Fully Delivered

Involved

2,482 EA

93,800.72 USD

Fully Invoiced

Down paymts

0.00 USD

Item	A	Material	Short Text	PO Quantity	O	Deliv. Date	Net Price	Curr	Per	O	Matl Group	Plant	Requisitioner	IMM
10	P	10053968	LED RED,BALL 12"	60	EA	03/01/2011	28.69 USD	1		EA	TRAFFIC CTFCITY OF TOLEDO			
20	P	10027979	LED YELLOW,BALL 12"	960	EA	03/01/2011	36.66 USD	1		EA	TRAFFIC CTFCITY OF TOLEDO			
30	P	10027972	LED GREEN,BALL 12"	840	EA	03/01/2011	36.66 USD	1		EA	TRAFFIC CTFCITY OF TOLEDO			
40	P	10027971	LED ARROWS,YELLOW 1:	24	EA	03/01/2011	30.69 USD	1		EA	TRAFFIC CTFCITY OF TOLEDO			
50	P	10027970	LED ARROWS,GREEN 12	144	EA	03/01/2011	34.32 USD	1		EA	TRAFFIC CTFCITY OF TOLEDO			
60	P	10027977	LED RED,PROGRAMMABL	54	EA	03/01/2011	35.88 USD	1		EA	TRAFFIC CTFCITY OF TOLEDO			
70	P	10053905	LAMPS,LED,PED.SIGNAL,	400	EA	03/01/2011	46.28 USD	1		EA	TRAFFIC CTFCITY OF TOLEDO			

Item Detail

Prints Window Contents

ME23N mdsxawoba INS

COT RELEASE PO 4500010198 Created by Lori Smigielski

Document Overview On Print Preview Messages Personal Setting

COT RELEASE PO 4500010198 Vendor 100090 TRAFFIC CONTROL PROC Doc. date 04/25/2011
Delivery Invoice Texts Address Partners Org. Data Release Strategy Payment Processing

Release completed	Ordered	2,088	EA	72,075.12	USD
Released	Delivered	2,088	EA	72,075.12	USD
Sent	Still to deliv.	0	EA	0.00	USD
Fully Delivered	Invoiced	2,088	EA	72,075.12	USD
Fully Invoiced	Down paym'ts			0.00	USD

Item	A	Material	Short Text	PO Quantity	O.	Deliv. Date	Net Price	Curr.	Per	O.	Matl Group	Plant	Requisitioner	IM M
10	P	10053960	LED RED,BALL 12"	360	EA	04/25/2011	28.08	USD	1	EA	TRAFFIC CTFCITY OF TOLEDO			
20	P	10027979	LED YELLOW,BALL 12"	600	EA	04/25/2011	36.66	USD	1	EA	TRAFFIC CTFCITY OF TOLEDO			
30	P	10027972	LED GREEN,BALL 12"	540	EA	04/25/2011	36.66	USD	1	EA	TRAFFIC CTFCITY OF TOLEDO			
40	P	10027971	LED ARROWS,YELLOW 1:	120	EA	04/25/2011	30.68	USD	1	EA	TRAFFIC CTFCITY OF TOLEDO			
50	P	10027970	LED ARROWS,GREEN 12	192	EA	04/25/2011	34.32	USD	1	EA	TRAFFIC CTFCITY OF TOLEDO			
60	P	10027977	LED RED,PROGRAMMABL	276	EA	04/25/2011	35.88	USD	1	EA	TRAFFIC CTFCITY OF TOLEDO			

Item Detail

Prints Window Contents

ME23N 1 mdsxawoba INS

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Document Overview On

Print Preview

Messages

Personal Setting

View

COT RELEASE PO

4500010386

Vendor

100090 TRAFFIC CONTROL PROC

Doc. date

05/03/2011

Delivery/Invoice

Texts

Address

Partners

Org. Data

Release strategy

Payment Processing

Release completed

Ordered

600

EA

27,760.00

USD

Released

Delivered

600

EA

27,760.00

USD

Sent

Still to deliv.

0

EA

0.00

USD

Fully Delivered

Invoiced

600

EA

27,760.00

USD

Fully Invoiced

Down paym'ts

0.00

USD

Item

Material

Short Text

PO Quantity

Deliv. Date

Net Price

Curr

Per

Mail Group

Plant

Requisitioner

IM M

20

P

10053985

LAMPS,LED,PED.SIGNAL

600 EA

05/03/2011

46.28 USD

1

EA

TRAFFIC CTFCITY OF TOLEDO

Item Detail

Prints Window Contents

ME23N mdsxawoba INS

Attachment C

Date	Total Units Ordered	Total
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	Section	Exchange pairs	All LEDs Complete	Completed by	PD-2	Date Completed	IRed B	VAmB	RCAI	G-B	mAmB	Auro	3M Red	3mAm	B3M G-B	M3M G-B	W2M	S/D2
1	Adams & Franklin & 17th	0	TRUE J Butler	FALSE	17-Jun-10	9	9	9	0	0	0	0	0	0	0	0	9	0
3	Alport & Byrne	0	TRUE Butler Ramsey	FALSE	28-Jun-10	11	9	9	6	8	0	0	0	0	0	8	0	0
4	Alport, Detroit & Fearing	0	TRUE Turner Butler	FALSE	17-Jun-10	9	9	9	1	1	1	0	0	0	0	10	0	0
5	South	0	TRUE H Fowler	FALSE	13-Aug-10	8	8	8	0	0	0	2	2	2	2	2	2	0
6	Alport & St. Charles School	0	TRUE B Turner	FALSE	28-Jun-10	4	4	4	0	0	0	0	0	0	0	2	2	0
7	Abion, AMC & Central	0	TRUE J Butler	FALSE	16-Jun-11	0	9	9	1	1	1	0	0	0	0	8	0	0
8	Alexis & Benore Futura	0	TRUE CC 8-11	FALSE	16-Jun-11	9	9	8	0	2	0	0	0	0	0	6	6	0
9	Alexis, Benore & Enterprise	0	TRUE C Cameron	FALSE	27-Mar-12	0	8	8	0	0	0	0	0	0	0	0	0	0
10	Alexis, E. Harbor & Suder	0	TRUE B Turner	FALSE	28-Jun-10	9	9	9	0	1	1	0	0	0	0	8	8	0
11	Alexis & Hagman	0	TRUE Crew	FALSE	06-Jan-12	0	8	8	1	1	1	0	0	0	0	6	6	0
12	Alexis & I-75 (SB)	0	TRUE Crew	FALSE	09-Jan-12	6	6	3	1	2	0	0	0	0	0	0	0	0
13	Alexis & I-75 (NB)	0	TRUE Crew	FALSE	11-Jan-12	6	6	4	1	3	0	0	0	0	0	0	0	0
14	N. Cove	0	TRUE J Kowalski	FALSE	11-Jan-12	0	6	2	0	5	2	2	3	0	0	0	0	0
15	AMC, North Cove & Willis	0	TRUE J Kowalski	FALSE	29-Jan-12	0	19	3	5	0	0	0	0	0	0	0	0	0
16	Andersons, Ariel & Talmadge	0	TRUE R Ruetz	FALSE	30-Mar-12	0	8	0	0	0	0	0	0	0	0	8	8	0
17	AWT & City Park	5	TRUE	TRUE		0	0	0	0	0	0	0	0	0	0	0	0	0
18	AWT & Glendale South	0	TRUE crew	FALSE	07-Sep-11	0	0	0	0	0	0	0	0	0	0	0	0	0
19	AWT, Harward & Woodsdale	0	TRUE R Ramsey	FALSE	02-Jul-11	0	0	0	0	0	0	0	0	0	0	8	8	0
20	AWT, Hawley & South	7	TRUE	TRUE	24-Feb-11	0	0	0	0	0	0	0	0	0	0	0	0	18
21	AWT, Shepler & Western	6	TRUE B Brown	TRUE	02-May-11	0	14	13	0	3	0	0	0	0	0	0	0	16
22	Arlington & Detroit	0	TRUE ki	FALSE	18-Jun-11	0	8	8	1	1	0	0	0	0	0	8	8	0
23	Arlington & MCO	0	TRUE B Turner	FALSE	07-May-11	0	8	6	0	0	0	0	0	0	0	0	0	0
24	Arlington & Woodsdale	0	TRUE H Fowler	FALSE	14-Aug-10	8	8	8	0	0	0	0	0	0	0	0	0	8
25	Ashland & Bancroft	8	TRUE C Cameron	TRUE	02-Feb-12	0	8	8	0	0	0	0	0	0	0	8	8	0
26	Ashland & Collingwood	2	TRUE B Turner	TRUE	31-Jul-10	2	2	2	1	1	4	4	4	4	4	6	6	0
27	Auburn & Bancroft	0	TRUE J Kowalski	FALSE	13-Aug-11	1	8	8	1	1	0	0	0	0	0	0	0	0
28	Auburn & Central	0	TRUE Field	TRUE		0	8	8	0	0	0	0	0	0	0	8	8	0
29	Auburn, Monroe & Ottawa	10	TRUE R Ruetz	TRUE	05-Feb-12	2	8	7	1	2	0	0	0	0	0	6	6	0
30	Bancroft & Campus	0	TRUE J Butler	FALSE	10-May-11	0	6	5	2	3	0	0	0	0	0	4	4	0
31	Bancroft & Cheltenham	2	TRUE J Kowalski	TRUE	11-Dec-11	0	6	6	0	0	0	0	0					







205	Secor	0	TRUE/C Cameron	FALSE	24-May-12	0	8	4	4	0	0	0	0	8	8	0
206	Eleanor & Jackson	8	TRUE/R Phillips	TRUE	16-Feb-11	8	8	1	1	0	0	0	0	6	6	0
207	Eleanor & Lewis	0	TRUE/B Brown	FALSE		0	8	8	1	1	0	0	0	8	8	0
208	Eleanor & North Haven	0	TRUE/R Ruetz	FALSE	11-Mar-12	0	8	8	0	0	0	0	0	0	0	0
209	Eleanor & Walker	8	TRUE/R Ramsey	TRUE	12-Jan-11	8	8	0	0	0	0	0	0	0	0	8
210	11th, Indiana & Washington	0	TRUE/R Ramsey	FALSE	15-Nov-11	0	8	8	0	1	0	0	0	10	10	0
211	11th & Jefferson	0	TRUE/R Ramsey	FALSE	03-Apr-11	2	6	4	0	2	0	0	0	8	8	0
212	11th & Monroe	0	TRUE/C Cameron	FALSE	15-Nov-11	0	8	8	0	0	0	0	0	0	0	8
213	Elgin, Ravine South & White	0	TRUE/R Phillips	FALSE		0	8	8	0	0	0	0	0	8	8	0
214	Elmhurst & Sylvania	0	TRUE/R Phillips	FALSE	14-Oct-10	6	8	5	0	1	0	0	0	6	6	0
215	Erie & Lagrange	0	TRUE/H Moore	FALSE	06-Jun-11	6	8	1	1	0	0	0	0	8	8	0
216	Erie & Lagrange School	0	TRUE/H Moore	FALSE	06-Jun-11	2	2	2	0	0	0	0	0	2	2	0
217	Ewing & Indiana	0	TRUE/R Ramsey	FALSE	23-Mar-12	0	8	8	0	0	0	0	0	0	0	0
218	Executive & Secor	0	TRUE/Kowalski-Jones	FALSE	09-Feb-12	0	8	8	0	0	0	0	0	8	8	0
219	Lagrange	0	TRUE/R Phillips	FALSE	12-Jun-11	0	6	4	0	3	0	0	0	0	0	0
220	Stickney	0	TRUE/C Cameron	FALSE	08-Jun-11	0	8	1	2	0	0	0	0	8	8	0
221	Lagrange & Windermere	0	TRUE/R Phillips	FALSE	18-Jun-11	0	6	1	2	0	0	0	0	0	0	0
222	Stickney	0	TRUE/C Cameron	FALSE	05-Jul-11	0	8	5	0	3	0	0	0	6	6	0
223	Falview & Sylvania	0	TRUE/B Brown	FALSE	29-Jun-10	8	8	8	0	0	0	0	0	8	8	0
224	Fassett & Oak	2	TRUE/R Phillips	TRUE	08-Jul-11	0	8	8	0	0	0	0	0	8	8	0
225	Fearing & Hill	0	TRUE/Contractor	FALSE	31-Dec-10	0	0	0	0	0	0	0	0	0	0	0
226	Fild & Western	0	TRUE/J Kowalski	FALSE	10-Mar-12	0	8	8	0	0	0	0	0	8	8	0
227	Fitch, Tremainsville & Upton	4	TRUE/R Phillips	TRUE	15-Sep-10	6	8	6	0	0	0	0	0	4	4	0
228	Food Town, Sears & Secor	0	TRUE/C Cameron	FALSE	24-May-12	0	8	8	4	4	0	0	0	6	6	0
229	Forest & Nebraska	0	TRUE/J Kowalski	FALSE	30-Jul-11	0	8	8	0	0	0	0	0	0	0	4
230	Foster & Upton	6	TRUE/J Butler	TRUE	16-Feb-11	8	8	8	0	0	0	0	0	8	8	0
231	14th, L-75 NB On & Washington	0	TRUE/C Cameron	FALSE	10-Jan-11	6	6	4	1	3	0	0	0	4	4	0
232	14th & Jefferson	0	TRUE/Crew	FALSE		0	8	6	1	3	0	0	0	8	8	0
233	14th & Monroe	0	TRUE/J Kowalski	FALSE		0	8	6	1	1	0	0	0	0	0	8
234	Fourth & Main	0	TRUE/H Moore	FALSE	11-Sep-10	8	8	6	0	0	0	0	0	8	8	0
235	Fourth, Oak & Starr	0	TRUE/R Phillips	FALSE	14-Jul-10	6	8	6	0	0	0	0	0	6	6	0
236	Franklin & Woodruff	8	TRUE/HM 11/17	TRUE	12-Sep-12	8	8	8	0	0	0	0	0	6	6	0
237	Monroe	5	TRUE/R Ruetz	TRUE	02-Apr-12	7	7	1	2	2	0	0	0	0	0	4
238	Franklin Park Mall N. & Talmadge	6	TRUE/R Ruetz	TRUE	09-Apr-12	8	8	1	8	2	0	0	0	6	6	0
239	Franklin Park Mall S. & Talmadge	5	TRUE/R Ruetz	TRUE	24-Apr-12	8	8	2	8	2	0	0	0	12	12	0
240	Franklin Park Mall W. & Monroe	4	FALSE/R Ruetz	TRUE	07-Apr-12	7	7	6	1	0	0	0	0	3	3	0
241	Franklin Place, Marcos & Monroe	0	TRUE/R Ruetz	FALSE	04-May-12	8	8	8	1	1	0	0	0	0	0	8
242	Gallena & Summit	3	TRUE/C Cameron	TRUE	03-Jul-10	6	6	6	0	1	0	0	0	4	4	0
243	Gesu School & Parkside	0	TRUE/R Phillips	FALSE	28-Aug-10	4	4	4	0	0	0	0	0	4	4	0
244	Giant, I-475 WB On & Upton	6	TRUE/Removed	TRUE	05-May-11	0	0	0	0	0	0	0	0	0	0	0
245	Jackman	0	TRUE/R Ruetz	FALSE	30-Aug-11	0	8	8	2	2	0	0	0	6	6	0
246	Glendale, Glengate & Kroger	0	TRUE/J Kowalski	FALSE	16-Mar-12	0	8	8	0	0	0	0	0	8	8	0
247	Lutheran School	1	TRUE/J Kowalski	TRUE	05-Jan-12	0	8	8	0	0	0	0	0	8	8	0
248	Glendale & Harvard School	2	TRUE/H Moore	TRUE	01-Sep-10	4	4	4	0	0	0	0	0	2	2	0
249	Glendale, Kroger & MV/CDS	0	TRUE/J Kowalski	FALSE	17-Mar-12	0	8	8	1	1	0	0	0	8	8	0
250	Glendale, Southland & V.A. Clinic	0	TRUE/J Kowalski	FALSE	23-Nov-11	0	8	8	0	0	0	0	0	0	0	8
251	Glendale & Toledo Commons	2	TRUE/J Kowalski	TRUE	29-Mar-12	0	8	8	0	0	0	0	0	8	8	0
252	Grogan, Jackman & Marketplace	0	TRUE/unknown	FALSE	17-Nov-11	4	4	0	0	0	0	0	0	0	0	0
253	Harvest & Laskey	0	TRUE/R Ramsey	FALSE	27-Jan-11	8	4	4	0	0	0	0	0	8	8	0
254	Harvest & Monroe	6	TRUE/J Butler	TRUE	21-Apr-11	0	8	8	0	0	0	0	0	8	8	0
255	Haverhill & Phillips	1	TRUE/B Brown	TRUE	08-Jul-10	7	7	4	1	4	0	0	0	3	3	1

256	Hawley & Indiana	0	TRUE	H Moore	FALSE	02-Jan-12	0	8	8	0	0	0	0	0	0	0	0	0	0
257	Hawley & Nebraska	0	TRUE	H Moore	FALSE	20-Feb-12	0	8	8	0	0	0	0	0	0	0	0	0	0
258	Hazelhurst, Overland & Sylvania	0	TRUE	Contractor	FALSE		0	0	0	0	0	0	0	0	0	0	0	0	0
259	Heathdowns & Key	0	TRUE	H Moore	FALSE	05-Jul-10	8	8	8	2	2	0	0	0	0	0	0	0	0
260	School	0	TRUE	H Moore	FALSE	04-Aug-10	5	5	5	0	0	0	0	0	0	0	0	2	0
261	Hiet & South	0	TRUE	J Butler	FALSE	20-Aug-10	8	8	8	0	0	0	0	0	0	0	0	0	0
262	Hiet & Western	0	TRUE	R Ramsey	FALSE	13-Aug-11	4	4	4	0	0	0	0	0	0	0	0	4	0
263	Hill & Holland Sylvania	0	TRUE	J Kowalski	FALSE	11-Jul-11	0	8	8	0	0	0	0	0	0	0	0	8	0
264	Hill & Keyser School	0	TRUE	B Turner	FALSE	19-Jun-10	4	4	4	0	0	0	0	0	0	0	0	2	0
265	Hill, Parkside & Conrail	0	TRUE	Contractor	FALSE	01-Nov-10	0	0	0	0	0	0	0	0	0	0	0	0	0
266	Hill & Richards	0	TRUE	R Phillips	FALSE	30-Mar-11	0	6	6	2	2	0	0	0	0	0	0	6	0
267	Hillcrest & Jackson	0	TRUE	C Cameron	FALSE	15-Nov-11	0	8	8	0	0	4	4	0	0	0	0	2	0
268	Hoag & Nebraska	0	TRUE	H Moore/Turner	FALSE	22-Jun-10	8	8	8	0	0	0	0	0	0	0	0	8	0
269	Hoehler, Holyoke & Monroe	0	TRUE	J Kowalski	FALSE	20-Nov-11	4	4	4	0	0	0	0	0	0	0	0	0	0
270	Holland-Sylvania & Kroger	0	TRUE	B Turner	FALSE	26-Feb-11	6	4	4	1	1	0	0	0	0	0	0	8	0
271	Holland	0	TRUE	crew	FALSE	28-Nov-11	0	0	0	0	0	0	0	0	0	0	0	0	0
272	Homewood & Sylvania	0	TRUE	Crew	FALSE	09-Nov-11	8	8	6	2	0	0	0	0	0	0	0	0	0
273	Huron & Lagrange	0	TRUE	H Moore	FALSE	05-May-11	0	6	4	0	2	0	0	0	0	0	0	8	0
274	Hydramatic & Jackson	0	TRUE	J Butler	FALSE	01-Jul-10	6	8	8	1	1	0	0	0	0	0	0	6	0
275	Manhattan	0	TRUE	Crew	FALSE	28-Aug-11	0	10	10	1	1	0	0	0	0	0	0	4	0
276	L260 SB Off & Starr	0	TRUE	C Cameron	FALSE	29-Jul-10	8	8	8	0	0	0	0	0	0	0	0	6	0
277	L & Suder	0	TRUE	R Ruetz	FALSE		0	10	8	3	6	3	3	0	0	0	0	6	0
278	L75 NB On, SB Off & Willys	0	TRUE	J Kowalski	FALSE	17-Aug-11	0	9	9	0	0	0	0	0	0	0	0	0	0
279	Manhattan	0	TRUE	Crew	FALSE	28-Aug-11	0	6	6	1	1	0	0	0	0	0	0	4	0
280	Springbrook & Talmadge	0	TRUE	R Ruetz	FALSE	13-Sep-11	0	13	10	2	5	0	0	0	0	0	0	0	0
281	L475 WB Off & Jackson	0	TRUE	J Kowalski	FALSE	19-Feb-12	0	8	4	0	2	0	0	0	0	0	0	0	0
282	Indiana & 13th	8	TRUE	B Turner	FALSE	08-Apr-11	0	6	3	0	3	0	0	0	0	0	0	8	0
283	Jackson & Laskey	1	TRUE	R Ruetz	TRUE	19-Sep-11	0	14	12	2	4	0	0	0	0	0	0	8	0
284	Jackson & Longfellow School	0	TRUE	J Kowalski	FALSE	11-Dec-11	0	4	4	0	0	0	0	0	0	0	0	0	2
285	Jackson & Marlow	0	TRUE	crew	FALSE		0	0	0	0	0	0	0	0	0	0	0	0	0
286	Tremainsville	0	TRUE	Contractor	FALSE	07-Jul-12	0	0	0	0	0	0	0	0	0	0	0	0	0
287	S.C.	0	TRUE	R Phillips	FALSE	17-Jun-10	8	8	8	0	0	0	0	0	0	0	0	8	0
288	Jefferson & 17th	0	TRUE	R Ramsey	FALSE		0	8	6	0	2	0	0	0	0	0	0	8	0
289	Junction & Nebraska	0	TRUE	J Butler	FALSE	28-Feb-11	8	8	8	0	0	0	0	0	0	0	0	8	0
290	Kerwood & Secor	0	TRUE	R Phillips	FALSE	08-Jul-10	8	8	8	2	2	0	0	0	0	0	0	8	0
291	Lagrange & Manhattan	0	TRUE	R Phillips	FALSE	25-Jun-10	8	8	8	2	2	0	0	0	0	0	0	4	0
292	Lagrange & Oakland	0	TRUE	J Butler	FALSE	18-Mar-11	0	8	6	0	0	0	0	0	0	0	0	8	0
293	Lagrange & Sherman	0	TRUE	J Kowalski	FALSE	08-Feb-12	0	10	10	0	0	0	0	0	0	0	0	8	0
294	Lagrange & Summit	0	TRUE	J Kowalski	FALSE	12-Feb-12	0	8	8	2	2	0	0	0	0	0	0	8	0
295	Lagrange & Sylvania	0	TRUE	J Kowalski	FALSE	29-Feb-12	0	8	8	1	1	0	0	0	0	0	0	8	0
296	Laskey & Lewis	3	TRUE	R Ramsey	TRUE	04-Jan-11	6	7	7	2	2	0	0	0	0	0	0	8	0
297	Laskey & Secor	0	TRUE	C Cameron	FALSE		0	8	6	4	4	0	0	0	0	0	0	8	0
298	Laskey & Teledyne	0	TRUE	Ruetz	FALSE		8	6	6	0	0	0	0	0	0	0	0	8	0
299	Lawrence & Monroe	4	TRUE	H Fowler	TRUE	08-Aug-10	7	4	3	4	5	3	3	0	0	0	0	0	0
300	Lewis & Waybridge	0	TRUE	C Cameron	FALSE	24-May-11	0	8	8	0	0	0	0	0	0	0	0	8	0
301	Main & Second	0	TRUE	R Ramsey	FALSE	12-Jan-11	8	8	8	0	0	0	0	0	0	0	0	8	0
302	Main & Sixth	0	TRUE	R Phillips	FALSE	11-May-11	0	8	8	0	0	0	0	0	0	0	0	8	0
303	Main & Starr	0	TRUE	J Kowalski	FALSE	16-Feb-12	0	9	7	2	4	0	0	0	0	0	0	14	0
304	Mulberry	0	TRUE	J Kowalski	FALSE	15-Jan-12	0	8	6	0	0	0	0	0	0	0	0	10	0
305	Manhattan & Stickney	0	TRUE	R Ruetz	FALSE	15-Mar-12	0	7	8	1	1	0	0	0	0	0	0	8	0
306	Matzinger & Stickney	0	TRUE	H Moore	TRUE	09-Feb-12	0	9	9	3	3	0	0	0	0	0	0	6	0

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/ETL ¹
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/ETL ¹
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

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

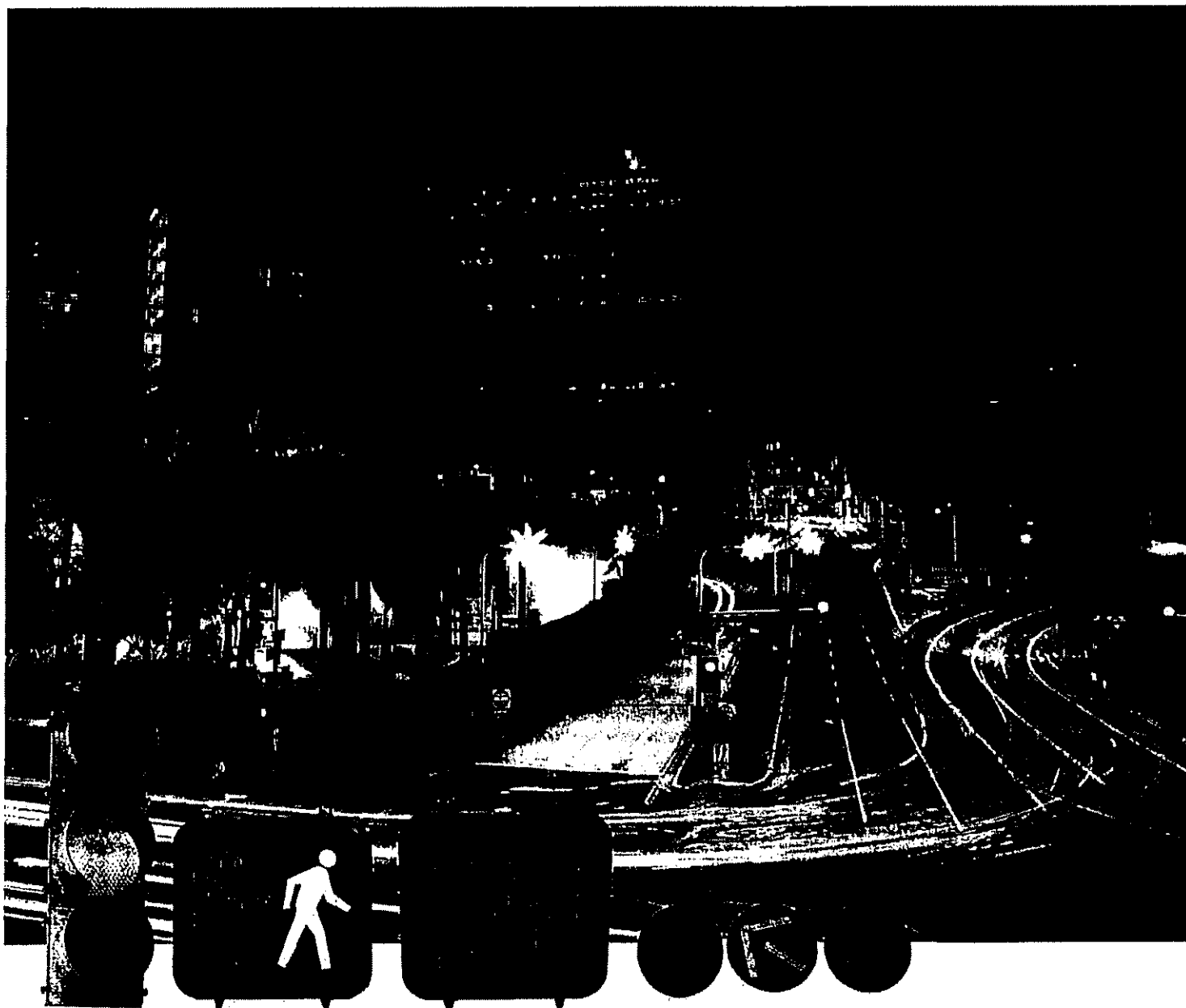
Standard Conformance

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



V1B-112812

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

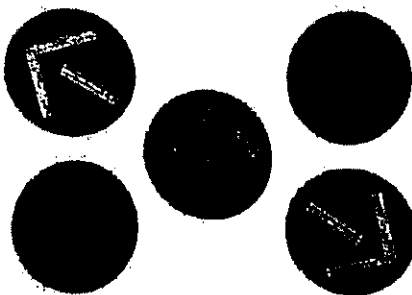
Uniform Appearance LED Traffic Signal Modules



- ▲ *Fully compliant to ITE VTCSH-LED Circular 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 longer LED life
- ▲ Uniform appearance
- ▲ Expanded view radiation pattern suitable for span wire and steep grade applications
- ▲ Transient suppression exceeds ITE and NEMA specifications (Up to 6KV ring wave)
- ▲ Manufactured with anti-capillary wires
- ▲ Conformal coated power supply
- ▲ Secondary lens treatment for abrasion resistance
- ▲ Patent No. 7,281,818 and other patents pending
- ▲ Intertek/ETL certified and listed on ETL certification program
- ▲ All units operate at 80-135VAC RMS, 60±3Hz

Part Number	Color	Lens Type	Peak Wavelength (nm)	Typical Wavelength (nm)	Peak Minimum Maintained Illumination Intensity (cd)	Meets ITE VTCSH Circular Signal Supplement	CSA Approved	Size (in)
433-1110-003XL	Red	Tinted	625	6	165	✓	✓	8
433-1170-003XL	Red	Clear	625	6	165	✓	✓	8
433-3130-901XL	Yellow	Tinted	590	7	410	✓	✓	8
433-3170-901XL	Yellow	Clear	590	7	410	✓	✓	8
433-2120-001XL	Green	Tinted	500	8	215	✓	✓	8
433-2170-001XL	Green	Clear	500	8	215	✓	✓	8
433-1210-003XL	Red	Tinted	625	6	365	✓	✓	12
433-1270-003XL	Red	Clear	625	6	365	✓	✓	12
433-3230-901XL	Yellow	Tinted	590	12	910	✓	✓	12
433-3270-901XL	Yellow	Clear	590	12	910	✓	✓	12
433-2220-001XL	Green	Tinted	500	7	475	✓	✓	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
- ▲ Transient suppression exceeds ITE and NEMA specifications (Up to 6KV ring wave)
- ▲ Manufactured with anti-capillary wires
- ▲ Conformal coated power supply
- ▲ Secondary lens treatment for abrasion resistance
- ▲ Intertek/ETL certified and listed on ETL certification program
- ▲ All units operate at 80-135VAC RMS, 60±3Hz

Part Number	Color	Lens Type	Typical Wavelength (nm)	Peak Wavelength (nm)	Peak Minimum Maintained Illumination Intensity (cd)	Meets ITE Specs	CSA Approved
432-1314-001XOD	Red	Tinted	6	628	56.8	✓	✓
432-1374-001XOD	Red	Clear	6	628	56.8	✓	✓
431-3334-901XOD	Yellow	Tinted	6	590	141.6	✓	✓
431-3374-901XOD	Yellow	Clear	6	590	141.6	✓	✓
432-2324-001XOD	Green	Tinted	6	500	73.9	✓	✓
432-2374-001XOD	Green	Clear	6	500	73.9	✓	✓



The Leotek Advantage

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



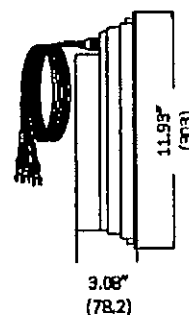
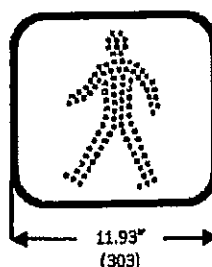
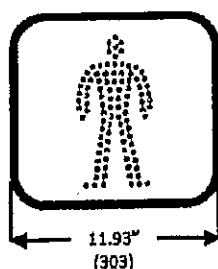
Features and Benefits

- 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 lumen intensity after 100,000 hours of operation

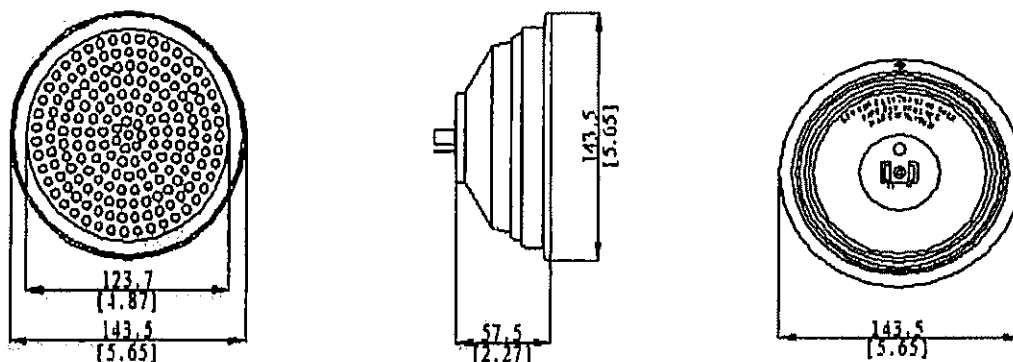
Technical Data

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



V12-0B1412

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	ITE 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.

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.

Standard Conformance

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

ITE VTCSH Compliance - LED Circular Signal Supplement – June 2005

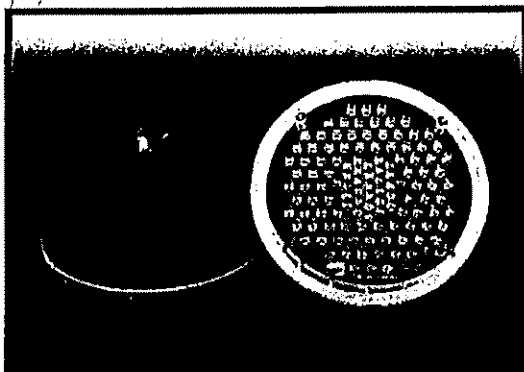
- | | | | |
|------------------------|-------------|-----------------------|---------------|
| • Conditioning | ITE 6.4.2 | • Luminous Intensity | ITE 6.4.4.1-4 |
| • Mechanical Vibration | ITE 6.4.3.1 | • Chromaticity | ITE 6.4.4.6 |
| • Temperature Cycling | ITE 6.4.3.2 | • Current Consumption | ITE 6.4.6.1 |



V16-010413

●●●●●●●●●●

P46 Series

[illegible]

- ▲ Operating Voltage Range: 80VAC to 135VAC (120VAC nominal)
- ▲ Fuse and transient 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

Part Number	Color	Dominate Wavelength (nm)	Wavelength at 90° (nm)	Minimize Irradiance (μW)
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 • Farmingdale, NJ 07727 USA

Tel: (1) 732-919-3119 • Fax: (1) 732-751-5778 • www.diallight.com



MDTSPVSX001 F



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
- iii. 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 Toledo Edison Company_
(Company)

By: John C. Langen

Title: V.P. Of Energy Efficiency

Date: 6-18-13

City of Toledo_
(Customer)

By: Edward C. Moore

Title: PERCEPION PUBLIC SERVICE

Date: 6/10/13

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 DIRECTOR OF PUBLIC SERVICE of City of Toledo ("Customer") As part of my duties, I oversee energy related matters for the Customer.
2. 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.

Edward A. Moore

Sworn to before me and subscribed in my presence this 10th day of June, 2015.

Pamela A. Knight
Notary

PAMELA A. KNIGHT
Notary Public, State of Ohio
My 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