CITY of NOVI CITY COUNCIL



Agenda Item 5 May 18, 2015

SUBJECT: Approval to award a construction contract for the Beck Road Mid-Block Pedestrian Crossing (north of Cheltenham) and Beck Road Repaving project (Sunnybrook to White Pines Drive) to Florence Cement Company, the low bidder, in the amount of \$249,980, subject to final review and approval of form of agreement by City Manager's office and the City Attorney.

SUBMITTING DEPARTMENT: Department of Public Services, Engineering Division BTC RA

CITY MANAGER APPROVAL:

EXPENDITURE REQUIRED	\$ 249,980	
AMOUNT BUDGETED	\$ 254,742	
LINE ITEM NUMBER	204-204.00-974.437	

BACKGROUND INFORMATION:

The City of Novi Non-Motorized Master Plan 2011 identified several locations for potential development of non-motorized crossings of major roads within the City, referred to as midblock crossings. One of these locations was identified and funded in the FY13-14 budget on Beck Road between Cheltenham Drive and White Pines Drive. This location is also part of a future east-west regional pathway north of Nine Mile Road (see attached map).

The area between Cheltenham Drive and White Pines Drive was evaluated to determine the best location to accommodate a mid-block crossing. A properly designed mid-block crossing would help direct pedestrians to cross at a defined location, rather than at random locations, and would help alert approaching vehicles that pedestrians may be present, making the crossing much safer.

Since this is the first mid-block crossing project under the City's jurisdiction, the design process evaluated several improvements, such as refuge islands, illuminated pedestrian beacons, and the location of the crossing relative to adjacent streets and other obstacles. Engineering staff and Spalding DeDecker consulted with other engineers, agencies, research material, etc. to solicit expertise regarding the alternatives appropriate for mid-block crossings. SDA performed an analysis to verify that the proposed location is appropriate for a pedestrian crossing. SDA also performed a limited traffic study on Beck Road to evaluate the traffic patterns and help determine the appropriate design for the crossing. The goal of the mid-block crossing is to provide a safe crossing for all users.

In order to facilitate the mid-block crossing for pedestrians, Beck Road will be widened to create a left turn lane between Sunnybrook and White Pines, which is approximately ¼-mile in length. This section of Beck Road currently has a PASER rating of 3 and is in need of rehabilitation, so this project will also include milling and overlaying this segment's pavement. The crossing will include proper signage and pavement markings to help increase driver awareness of potential pedestrian conflicts. Street lighting will also be added as part of a contract with DTE (a separate item on this agenda).

Three bids were received and opened on May 6, 2015 following a public bid solicitation period. The lowest responsible bidder is Florence Cement Company. Florence's bid is recommended as being in the best interest of the City as it is responsive (i.e., Florence has complied with all requirements of the bidding instructions) and it is the lowest price. (URS' award recommendation letter including the bid tabulation dated May 11, 2015 is attached). A summary of the three bids received is as follows:

Contractor	Bid Price (including Crew Days)*
Florence Cement Company	\$271,100.00
Merlo Construction Co.	\$294,540.00
Warren Contractors & Development	\$299,325.50

* Crew Days are included to compare bids, but are not included in the award.

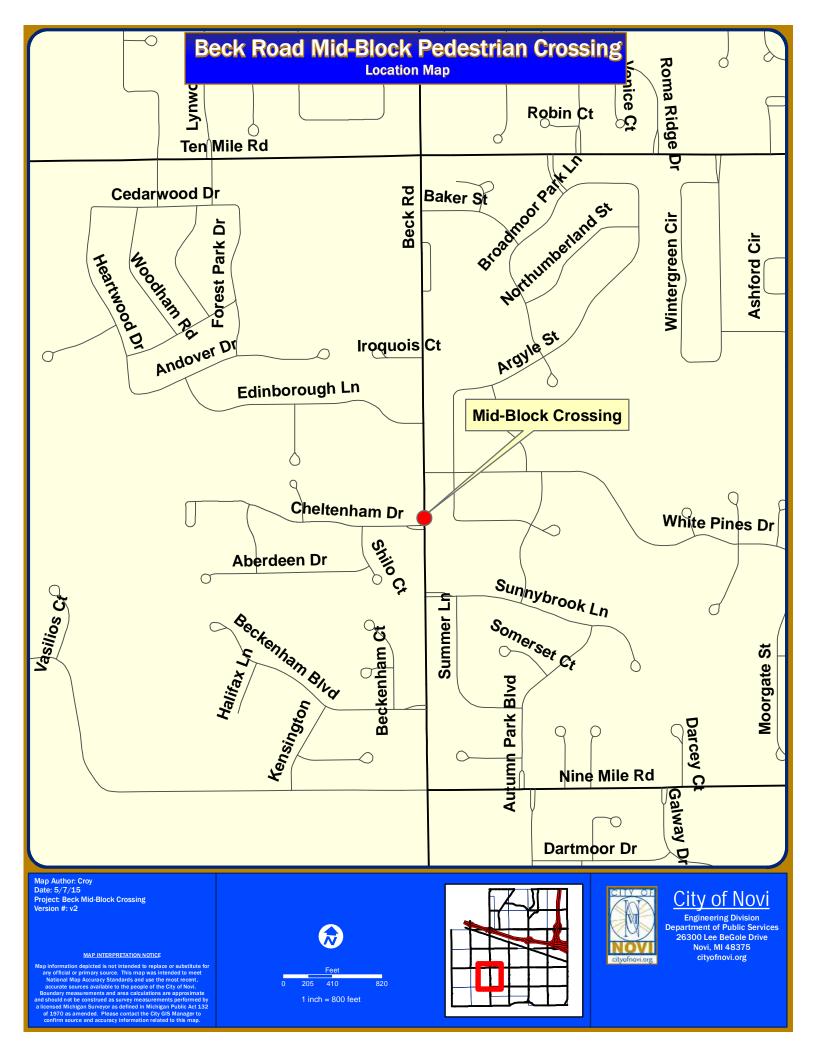
Florence has successfully completed projects for the City in the past and staff recommends award of the contract to Florence.

It is anticipated that this project will be completed by fall 2015.

RECOMMENDED ACTION: Approval to award a construction contract for the Beck Road Mid-Block Pedestrian Crossing (north of Cheltenham) and Beck Road Repaving project (Sunnybrook to White Pines Drive) to Florence Cement Company, the low bidder, in the amount of \$249,980, subject to final review and approval of form of agreement by City Manager's office and the City Attorney.

	1	2	Υ	Ν
Mayor Gatt				
Mayor Pro Tem Staudt				
Council Member Casey				
Council Member Markham				

	1	2	Υ	Ν
Council Member Mutch				
Council Member Poupard				
Council Member Wrobel				





May 11, 2015

Mr. Benjamin Croy, PE, Civil Engineer City of Novi 26300 Lee BeGole Drive Novi, Michigan 48375

Re: Recommendation for Award Beck Road Mid-Block Pedestrian Crossing SDA Project No.: NV13-011

Dear Mr. Croy:

On May 6, 2015 at 2:00 p.m., construction bids were opened and publicly read at the City of Novi Civic Center for the Beck Road Mid-Block Pedestrian Crossing. The project includes milling and overlay of asphalt pavement, installation of a new pedestrian refuge island, and ADA improvements to existing concrete sidewalk.

The City Clerk's office received three (3) sealed bids for this project, with each bidder considered to be responsive having submitted a bid compliant with all requirements. The apparent low bidder, Florence Cement, submitted a total bid of \$271,100.00. Following the bid opening, Spalding DeDecker reviewed all of the bids received, verified the calculations, and prepared the bid tabulation for the project (attached).

The bids as a whole were higher than anticipated. Through discussions with the low bidder, it was noted that the anticipated efforts for traffic control in this area were a factor in the higher pricing. Spalding DeDecker finds that Florence Cement is qualified to perform the required construction.

It is our recommendation that the project be awarded to the low bidder, Florence Cement, for the Beck Road Mid-Block Pedestrian Crossing project in the amount of \$249,980.00, which is the total bid of \$271,100.00 minus \$21,120.00 for crew days bid.

Upon award by the City Council, our office will coordinate the completion of the Contract Agreement, Bonds, and Insurance information with Florence Cement.

Very Truly Yours, SPALDING DEDECKER

Edward Strada, PE Project Manager

Encl: Bid Tabulation

BID TABULATION - BECK ROAD MID BLOCK PEDESTRIAN CROSSING CITY OF NOVI

3 Bids received, opened 5/6/15

Project No. NV13011

By: TER

Reviewed: ES

				Floren	ce Cement	Merlo C	Construction	Warren	Contracting
				UNIT		UNIT		UNIT	
No	ITEM	QUANTITY	UNIT	PRICE (\$)	AMOUNT (\$)	PRICE (\$)	AMOUNT (\$)	PRICE (\$)	AMOUNT (\$)
1	Bonds, Insurance and Mobilization (5% Max)	1	LS	\$13,000.00	13,000.00	7,000.00	7,000.00	14,900.00	14,900.00
	Pre-Construction Audio-Visual	1	LS	\$1,500.00	1,500.00	2,000.00	2,000.00	1,100.00	1,100.00
3	Soil Erosion Control Measures	1	LS	\$1,000.00	1,000.00	2,000.00	2,000.00	3,225.00	3,225.00
4	Maintaining Traffic	1	LS	\$15,000.00	15,000.00	25,000.00	25,000.00	32,500.00	32,500.00
5	HMA Surface, Remove, Modified	1,137	SY	\$8.00	9,096.00	7.00	7,959.00	11.00	12,507.00
	Sidewalk, Remove	1,585	SF	\$1.00	1,585.00	7.00	11,095.00	1.50	2,377.50
	Concrete Curb and Gutter, Remove	215	LF	\$11.00	2,365.00	15.00	3,225.00	16.00	3,440.00
8	Cold Milling HMA Surface	4,100	SY	\$3.00	12,300.00	3.75	15,375.00	2.70	11,070.00
9	Sewer, Rem, Less than 24 Inch	25	LF	\$16.00	400.00	25.00	625.00	25.00	625.00
	Culv, End, Rem, Less than 24 Inch	1	EA	\$400.00	400.00	200.00	200.00	200.00	200.00
11	Excavation, Earth	110	CY	\$40.00	4,400.00	25.00	2,750.00	60.00	6,600.00
12	Subrade Undercut (As Needed)	225	CY	\$45.00	10,125.00	40.00	9,000.00	55.00	12,375.00
	Aggregate Base, 6 inch	440	SY	\$12.00	5,280.00	10.00	4,400.00	8.00	3,520.00
14	Aggregate Base, 10 inch	1,920	SY	\$12.00	23,040.00	16.00	30,720.00	12.50	24,000.00
15	Shoulder, CL II, 4 inch	455	SY	\$8.00	3,640.00	8.00	3,640.00	8.00	3,640.00
16	Conc Pavt, Misc, Nonreinf, 8 inch	17	SY	\$85.00	1,445.00	125.00	2,125.00	85.00	1,445.00
17	Concrete Curb and Gutter, Modified	376	LF	\$40.00	15,040.00	40.00	15,040.00	32.50	12,220.00
	Driveway Opening, Conc, Det M	130	LF	\$35.00	4,550.00	27.00	3,510.00	35.00	4,550.00
	Concrete Spillway	8	SY	\$75.00	600.00	20.00	160.00	75.00	600.00
20	HMA Surface Repair	450	SY	\$31.00	13,950.00	40.00	18,000.00	28.00	12,600.00
21	HMA, 3C	45	TON	\$170.00	7,650.00	221.00	9,945.00	250.00	11,250.00
22	HMA, 5E10	490	TON	\$110.00	53,900.00	116.00	56,840.00	92.00	45,080.00
23	Corrugated HMA Divider, Depressed	225	LF	\$10.00	2,250.00	25.00	5,625.00	15.00	3,375.00
	Pathway Grading	2	STA	\$2,000.00	3,700.00	1,500.00	2,775.00	1,350.00	2,497.50
	Concrete Curb, Sidewalk	110	LF	\$20.00	2,200.00	40.00	4,400.00	20.00	2,200.00
	Sidewalk, Conc, 4 inch	1,175	SF	\$5.50	6,462.50	5.00	5,875.00	5.50	6,462.50
27	Sidewalk, Conc, 6 inch	785	SF	\$7.50	5,887.50	6.00	4,710.00	7.50	5,887.50
	ADA Detectable Warning Plate	96	SF	\$20.00	1,920.00	30.00	2,880.00	20.00	1,920.00
29	Str Rehab Type 2: Structure Cover Adjust	4	EA	\$400.00	1,600.00	400.00	1,600.00	750.00	3,000.00
30	Str Rehab Type 3: Reconstruct Structure	1	EA	\$900.00	900.00	350.00	350.00	1,500.00	1,500.00
31	Structure Cover, Type A	2	EA	\$600.00	1,200.00	625.00	1,250.00	610.00	1,220.00
	Structure Cover, Type B	2	EA	\$500.00	1,000.00	650.00	1,300.00	480.00	960.00
	Structure Cover, Type C	1	EA	\$500.00	500.00	750.00	750.00	450.00	450.00
34	12 Inch RCP	49	LF	\$50.00	2,450.00	50.00	2,450.00	120.00	5,880.00
35	12 Inch RCP End Section w Bar Screen, Complete	3	EA	\$1,600.00	4,800.00	500.00	1,500.00	1,175.00	3,525.00
	Tap Existing Manhole	1	EA	\$300.00	300.00	225.00	225.00	300.00	300.00
37	Ditching	130	LF	\$15.00	1,950.00	20.00	2,600.00	16.00	2,080.00
	Sign, R4-7 Keep Right, Modified	2	EA	\$200.00	400.00	100.00	200.00	200.00	400.00
	Sign, W16-9P Ped Crossing Ahead, Modified	2	EA	\$180.00	360.00	100.00	200.00	200.00	400.00
	Sign, W11-2 Ped Crossing,Modified	4	EA	\$180.00	720.00	100.00	400.00	200.00	800.00
	Sign, W16-7P Left Arrow, Modified	2	EA	\$90.00	180.00	100.00	200.00	90.00	180.00
	Post, Steel, 3 Pound, Modified	4	EA	\$115.00	460.00	300.00	1,200.00	280.00	1,120.00
43	Perforated Steel Square Tube Sign Breakaway Sys	2	EA	\$995.00	1,990.00	1,000.00	2,000.00	1,000.00	2,000.00
44	Plastic Delineator, Round	8	EA	\$75.00	600.00	35.00	280.00	75.00	600.00
	Pavement Marking, Yellow, 4 Inch	2,595	LF	\$0.55	1,427.25	0.60	1,557.00	0.60	1,557.00
	Pavement Marking, White, 4 Inch	1,740	LF	\$0.55	957.00	0.60	1,044.00	0.60	1,044.00
	Pavement Marking, Cross Walk, Recessed, 12 Inch	65	LF	\$10.25	666.25	12.00	780.00	10.50	682.50
48	Pavement Marking, Yellow, 12 Inch	130	LF	\$1.95	253.50	2.00	260.00	2.00	260.00
	Restoration	1	LS	\$4,580.00	4,580.00	6,000.00	6,000.00	10,000.00	10,000.00
50	Inspection Crew Days*	\$640.00	DAY	33.00	21,120.00	18.00	11,520.00	30.00	19,200.00
	ION OF PROBABLE CONSTRUCTION COST				\$271,100.00		\$294,540.00		\$299,325.50

* NOTE: Number of Crew Days bid by contractor, entered in Unit Price column here for bid tabulation purposes Previous Memo from Admin Packet

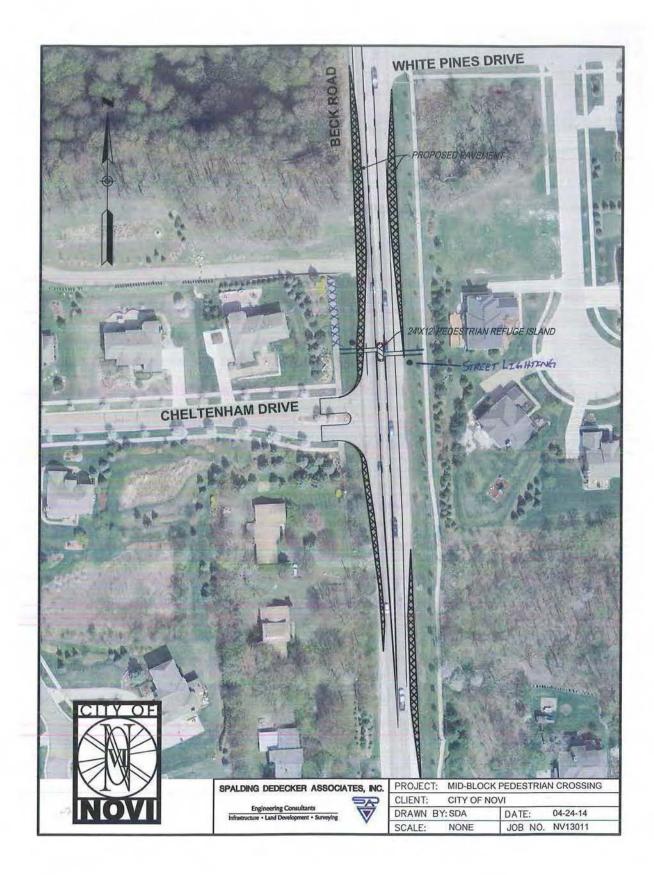


TO:BRIAN COBURN, PE; ENGINEERING MANAGERFROM:BEN CROY, PE; CIVIL ENGINEERSUBJECT:BECK ROAD MID-BLOCK CROSSINGDATE:NOVEMBER 5, 2014

The *City of Novi Non-Motorized Master Plan 2011* identified several locations for the potential development of non-motorized crossings of major roads within the City, referred to as mid-block crossings. One of these locations was identified and funded in the FY13-14 budget on Beck Road between Cheltenham Drive and White Pines Drive. This location is also part of a future east-west regional pathway north of Nine Mile Road (see attached Figures 3.11 and 3.2F). Beck Road is a 2-lane road with a posted speed limit of 45 miles per hour and an average daily volume of 20,000 vehicles per day.

As the design engineer selected for this project, Spalding DeDecker Associates (SDA) assisted City staff with the evaluation of the area of Beck Road between Cheltenham Drive and White Pines Drive to determine the best location to accommodate a midblock crossing. Since the design of mid-block crossings can be complicated, SDA consulted with the Road Commission for Oakland County (RCOC) and other sources to solicit expertise regarding some of the alternatives appropriate for mid-block crossings. A properly designed mid-block crossing can help direct pedestrians to cross in a defined location, rather than at random locations, and can help alert approaching vehicles that pedestrians may be present, making the crossing much safer.

Since this is the first mid-block crossing project under the City's jurisdiction, the initial design phase included a study to evaluate several types of treatments for the crossing such as refuge islands, illuminated pedestrian beacons, and the location of the crossing relative to adjacent streets and other obstacles. SDA performed a limited traffic study on Beck Road to evaluate the traffic patterns and help determine the appropriate design for the crossing. SDA's report, including the traffic study results, is attached. Based on SDA's recommendations, the mid-block crossing is proposed just north of Cheltenham Drive, as shown on the figure below. The crossing would include a 24' x 12' pedestrian refuge island and additional street lighting to illuminate the crossing. The island would direct pedestrians in a way that they cross only one lane of traffic at a time. The project would also include the construction of any additional pathways needed to connect the mid-block crossing to the existing pathways, and will include proper signage and pavement markings to help increase driver awareness of potential pedestrian conflicts. Additionally, portions of Beck Road will require widening to accommodate the crossing.



The current preliminary construction estimate for this project is \$166,939. This estimate includes an asphalt overlay across the limits of the project, which wasn't initially considered necessary, but is now recommended to provide the lane widening required north and south of the pedestrian refuge island. The overlay would help the appearance of the pavement, avoid issues with potentially confusing lane delineation, and avoid the need to perform maintenance on the older pavement within a short time frame following this project.

Another option that was considered, but is not currently recommended, is the use of Rectangular Rapid Flashing Beacons (RRFB). An RRFB (see photo, right) incorporates flashing lights with pedestrian crossing warning signs that will flash when activated to let motorists know a pedestrian is present. The information reviewed for RRFBs is inconclusive regarding whether the installation is appropriate for this proposed mid-block crossing. Many of the studies focus on wider 4-lane roads where a crossing would be more challenging. RCOC has indicated that driver expectancy should be considered, meaning that in areas where this type of facility isn't common, the use of the RRFB can lead to driver and pedestrian confusion, where motorists are unsure of what to do. Maintenance has also been



identified as an issue with RRFBs (e.g. obtaining manufacturer's parts and service when needed, and false reports by motorists that the unit is not working properly). One primary reason that an RRFB isn't recommended is the existence of sufficient gaps in Beck Road traffic, as verified by the study, provided a pedestrian refuge island is



constructed. If not installed initially with a mid-block crossing, RRFBs can be easily added afterward if desired, at a cost of approximately \$15,000. Another pedestrian crossing signaling system that is available, but hasn't been considered for this crossing, is the High-intensity Activated crossWalK (HAWK) system. The HAWK (see photo, left) would

be appropriate at a crossing with a higher pedestrian volume than what is expected at this crossing.

The proposed mid-block crossing would closely resemble Figure 5.47AA (below) from the non-motorized master plan.

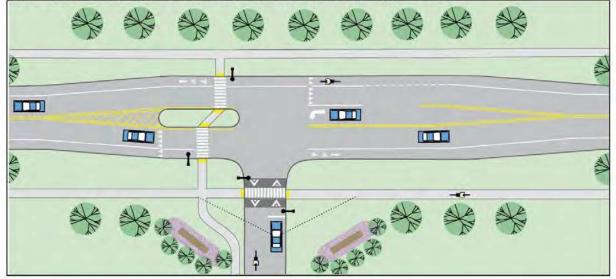


Fig. 5.47AA. Subdivision T-Intersection Design Guidelines

The final design will be completed over the winter months with construction proposed for spring and fall of 2015.



Map Author: Croy Date: 11/14/13 Project: Beck Mid-Block Crossing Version #: v1.0

> MAP INTERPRETATION NOTICE information depicted is not intended to replace or substitute for my official or primary source. This map was intended to meet National Map Accuracy Standards and use the most recent, accurate sources available to the people of the City of Novi. undary measurements and area calculations are approximate should not be construed as survey measurements performed by ensed Michigan Surveyor as defined in Michigan Public Act 132 d 1970 as amended. Please contact the City GI Nanazer to 1970 as mended. Please contact the City GI Nanazer to







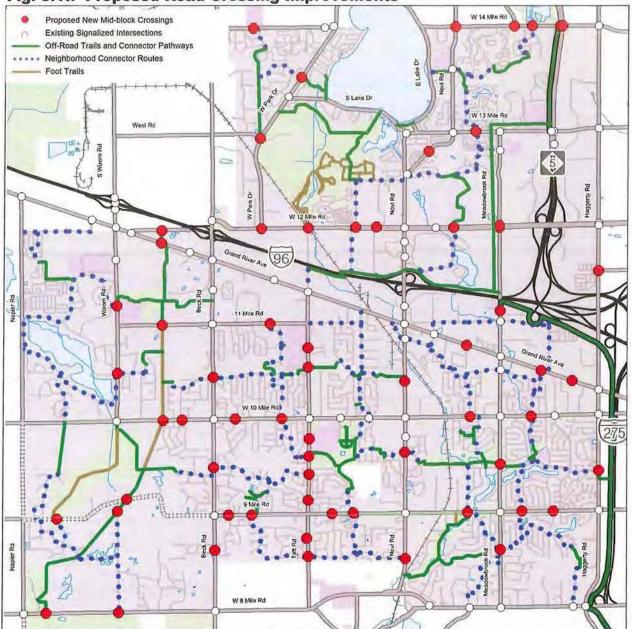


Fig. 3.11. Proposed Road Crossing Improvements

Road Crossing Improvements are needed in areas where there is a high demand to cross. These areas occur where a bike route crosses a collector or arterial road, a major bus stop or bus shelter is present, there is a long distance between crosswalks, or there is a high demand based on land use and population density.



This map illustrates where mid-block crossing improvements are needed. Many of these crossings are addressed in the implementation plan with the neighborhood connector routes and major corriodor developments. However, if demand is present they can be implemented sooner. Please note that these are initial recommendations and they need to be studied further prior to implementation.



Fig. 3.2F. Neighborhood Connectors

1/4 1/2 MILES

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Beck Road Mid-Block Pedestrian Crossing

Evaluation of proposed location and supporting information

SUMMARY

The City of Novi Department of Public Works is interested in the potential construction of a mid-block pedestrian crossing of Beck Road, north of Nine Mile Road. The specific location is just north of the intersection of Cheltenham Drive and Beck Road.

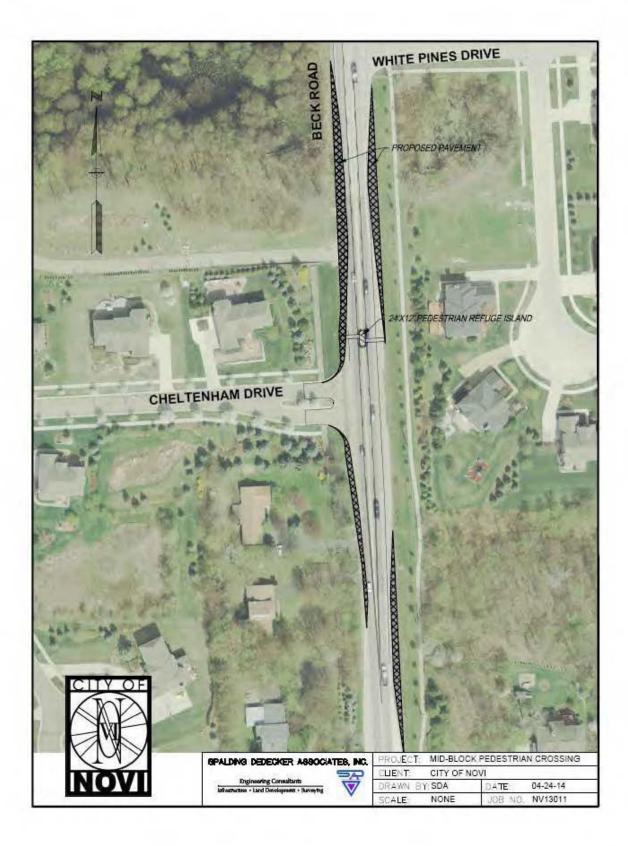
Spalding DeDecker Associates, Inc. (SDA) reviewed the existing traffic patterns and evaluated "gaps" in the directional and two-way traffic to evaluate the suitability of placing a cross walk. The frequency (per hour) and duration (seconds) of gaps helps to determine if an unsignalized crossing is feasible, and also if additional safety measures should be implemented with the crossing.

The results of the gap study indicate that there are sufficient gaps available for pedestrians to cross at this location before and after school hours, provided that a pedestrian refuge island is constructed. A refuge island is a mid-point for a crossing, which allows for a pedestrian to only be concerned with the gaps in one direction of traffic at a time.

To facilitate the construction of a refuge island at this location, the northbound and southbound lanes of Beck north of Cheltenham will need to be flared around the island location via widening the pavement on the east side of Beck Road and appropriate pavement markings. A street light (or lights) should be installed on both sides of the road at a crossing. The existing light at Cheltenham should be sufficient for the west half of the crossing, but a light will need to be added on the east side of Beck Road. Signing (pedestrian crossing ahead, and pedestrian crossing location) is also required to be placed to indicate the potential for pedestrian crossing. See the attached figure on the following page for a conceptual layout of the island and pavement markings.

Additional safety measures such as a rectangular rapid-flashing beacon (RRFB) system do not appear to be needed at this location, but may be implemented immediately if desired or after the crossing is in operation and it becomes apparent there is a safety concern.

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Engineering Consultants Infrastructure | Land Development | Surveying | Landscape Architecture (800) 598-1600 | www.sda-eng.com The following sections present some background information on the implementation of mid-block crossings, RRFB systems, and the findings of the gap study performed at the crossing in December 2013.

MID-BLOCK PEDESTRIAN CROSSINGS General Overview and Information

Based on national crash data from the Federal Highway Administration (FHWA), about 12 percent of all traffic fatalities can be attributed to pedestrian crashes. Furthermore, over 75% of these pedestrian fatalities occur away from intersections. Many of these crashes are preventable. Mid-block pedestrian crossings should be carefully considered so as to not present a hazard to motorists nor a false sense of security to pedestrians. There are numerous treatments that can be used to highlight mid-block pedestrian crossings to alert motorist to yield such as signs, ambient lighting, and warning lights.

The addition of raised medians or pedestrian refuge islands can further protect pedestrians. A pedestrian at a mid-block crossing must make several complex decisions in order to cross the street. Pedestrians must time their crossing and speed of walking with the speed of the approaching vehicles and the gaps between vehicles. This becomes more complicated when two opposing directions of traffic must be considered at once. Raised medians allow pedestrians to cross the roadway while focusing on one direction of traffic at a time. It has been shown that providing a raised median at marked crosswalks can reduce mid-block crashes by 46 percent.

The FHWA recommends the use of raised medians for curbed multilane roadways with more than 12,000 vehicles per day, a large number of pedestrians and intermediate or high travel speeds. Beck Road traffic exceeds 20,000 vehicles per day with one lane each way, has intermediate speeds, and is not curbed. The typical number of pedestrians crossing at this location appears low, but at the time of the study the area was snow covered and the lack of a safe crossing may reduce the number of pedestrians attempting to cross.

The implementation of a curbed refuge island on Beck Road is recommended based on the traffic count and speed. Local knowledge should be utilized in deciding if the number of pedestrians will increase if a safer crossing is provided, and further safety enhancements are warranted.

Consideration should be given to the rarity of mid-block crossings in the Beck Road corridor and in the overall area. Even with a refuge island and advanced signing, if pedestrians are rarely encountered in the corridor motorists may not be attentive when they do appear. Additional measures could be taken to raise motorist awareness when a pedestrian is about to cross the road.

Rectangular Rapid Flashing Beacon (RRFB) Overview

One such treatment to raise motorist awareness is the rectangular rapid-flashing beacon (RRFB) system. The RRFB installation is a pair (or two pairs with a refuge island) of signs which are activated by pedestrians attempting to cross. Yellow rectangular LED beacons are installed under pedestrian crossing warning signs, which flash in a "stutter flash" pattern with the right side of the beacon flashing twice as fast as the left side. The flashing lights are intended to let motorists know a pedestrian is nearby, and motorists should stop to allow the crossing and proceed with caution. The RRFB installation can either be hard wired or solar powered. For a typical RRFB installation of four solar-powered units the cost including installation is about \$15,000.

Numerous studies have been done to evaluate vehicle yielding rates at RRFB installations. Many of the studies were conducted on four-lane roadways. Overall, the installation of an RRFB has resulted in higher yielding rates by drivers to pedestrians. For example, a 2011 study in Portland, Oregon, evaluated two sites with four lanes and a speed limit of 45 mph. Yielding rates increased from 23-25% to 83% after the installation of the RRFB.

In locations without a pedestrian refuge island, the beacon is mounted on the right side of the road. It has been shown that yielding rates are significantly better when a second beacon is mounted in a pedestrian refuge island than just having one beacon on the

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right side of the road. Multiple beacons provide greater visibility, especially at dusk or at night.

As with any new traffic control device, education and enforcement are needed for success. Based on study results by the FHWA, yielding results at RRFB locations in Michigan are lower than in other states. This is likely due to a lack of familiarity with RRFB installations and a lack of understanding of Michigan law.

LOCAL RRFB INSTALLATIONS

There are numerous locations around the metro Detroit area with RRFB installations including Ann Arbor, Chelsea, Detroit, Ferndale, Oxford, South Lyon and West Bloomfield. Additional locations outside of metro Detroit include the City of Davison (near Flint) and Delhi and Delta Townships (near Lansing).

The City of Ann Arbor has five RRFB installations that were installed at existing cross walks. Four of the locations are along Plymouth Road between Murfin Avenue and Green Road. Plymouth Road is a five-lane urban principal arterial with a posted speed ranging from 35 mph to 45 mph and an average daily traffic (ADT) of 22,000 vehicles. These RRFB installations include overhead lighting, overhead signing, a pedestrian refuge island, high visibility pavement markings, ground mounted signing, overhead RRFB and ground mounted RRFB. The RRFBs are either hard wired or solar powered.

In August 2013 there was a fatality at one of the RRFB crossings along Plymouth Road. A college student was killed when the vehicle traveling in the inside lane stopped but the vehicle in the outside lane did not stop. The RRFB had been flashing for 30 seconds and the pedestrian had nearly completed the crossing before being hit. The crash investigation found the driver to be driving 10 to 15 mph over the speed limit. The investigation is continuing so fault has not yet been assigned. The RRFB at this location gets used 200 to 300 times per day.

The remaining RRFB installation in Ann Arbor is located in a residential area on 7th Street south of Washington Street. 7th Street is classified as an urban minor arterial with

a speed limit of 30 mph, on-street parking and an ADT of 10,000 vehicles. There is a middle school nearby.

City of Ann Arbor staff has observed that vehicles yielding to pedestrians has increased from previous levels. The current level of yielding at the Plymouth Road and Beal Avenue location is 84% while the average for the state of Michigan is 75%.

The RRFB in the City of Chelsea was installed in the summer of 2012 and is located on Old US-12 near Silver Maples Drive. At this location, Old US-12 is a two-lane rural minor arterial with a 45 mph speed limit and an ADT of 11,200 vehicles. This solar powered RRFB gets used significantly in warmer months, primarily by senior citizens from the nearby senior complex. There has been a request for another installation near the community center.

The City of Chelsea pays the Washtenaw County Road Commission to maintain this RRFB installation. Besides having to reset the RRFB, the City has had no maintenance issues or complaints with the installation. Educating motorists has been the biggest concern.

There are three RRFB installations in the City of Detroit along Davison Avenue. In this area, Davison Avenue is a six-lane non-freeway urban principal arterial with a speed limit of 35 mph and an ADT of 37,000 vehicles. Due to vandalism, these units no longer function correctly and were not in use long enough to gauge their usefulness.

In South Lyon Township, there is an RRFB installation for the Huron Valley Trail crossing of Lyon Center Drive which is located east of Milford Road and north of Grand River Avenue. Lyon Center Drive is a three lane roadway with one lane in each direction and center left turn lane, with a speed limit of 25 mph. The RRFB at this location does not have a pedestrian refuge island. The area immediately adjacent to the crossing is undeveloped but there is a shopping center to the west. This location utilizes in-street signing which was added after observing traffic. Yielding rates improved with the additional treatments. Baseline yielding rates were 20%, and after the RRFB was installed, yielding rates increased to 69%. With the addition of in-street signs to the

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RRFB, yielding rates increased further to 80%. In-street signs have some maintenance issues where they have to be replaced when hit and since they are installed in the pavement there are issues in the winter with snow plows.

The West Bloomfield Township RRFB installations are located at all legs of the threelane roundabout at Maple Road and Farmington Road. Outside of the roundabout, Maple Road is a two-lane or three-lane urban principal arterial with a speed limit of 45 mph and an ADT ranging from 28,500 vehicles to 29,900 vehicles. Farmington Road is classified as a two-lane urban minor arterial with a varying speed limit ranging from 35 mph north of Maple Road and 40 mph to the south. The ADT along Farmington Road ranges from 10,900 vehicles to 16,200 vehicles. This installation was placed in response to a lawsuit to facilitate blind pedestrians. Yielding rate information was not available when requested.

It should be noted that although some of the aforementioned installations are located in Oakland County, currently the Road Commission for Oakland County (RCOC) does not install, operate, or maintain RRFB installations. Any installations within Oakland County are installed, operated, and maintained by the local municipality, village, or township in which it is located. The RCOC has anecdotal evidence suggesting that there is driver and pedestrian confusion at RRFB installations, uncertain if motorists must stop or not, and on occasion, resulting in an accident. The confusion is also evident by the fact that RCOC has received phone calls from motorists or pedestrians who believe the signal is not working properly; after this is related to the owning agency and a service call is placed, it is confirmed that the signal is working as intended. Should service be necessary, RCOC is aware that local jurisdictions have experienced some difficulty in obtaining manufacturer's parts and service. A preferred pedestrian crossing signaling system that RCOC has installed is a HAWK beacon (High-intensity Activated crossWalK). Information regarding the operation of the HAWK system may be found at: http://www.rcocweb.org/Lists/Publications/Attachments/71/HAWK%20brochure2012.pdf.

BECK ROAD – GAP STUDY AT PROPOSED PEDESTRIAN CROSSING

North of Nine Mile Road, Beck Road is classified as an urban minor arterial with a posted speed of 40 mph and an ADT of 20,000 vehicles. In the vicinity of Cheltenham

Spalding DeDecker Associates, Inc.

Drive, Beck Road is a two-lane roadway with a northbound passing flare and a southbound right turn lane at Cheltenham Drive. There is an existing overhead street light at Cheltenham Drive. The area is primarily residential with a school, Thornton Creek Elementary, located nearby on 9 Mile Road, east of Beck Road. School starts at 8:50 AM and ends at 3:45 PM.

A gap study is typically performed in order to determine how much time a pedestrian has available to cross a roadway. A gap is defined as the measure of time, in seconds, between the rear bumper of the first vehicle and the front bumper of the second vehicle. A gap study was conducted at the project location on Thursday, December 19, 2013. Traffic data was collected during a morning period from 8:00 AM to 9:30 AM and an afternoon period from 3:15 PM to 4:15 PM which corresponds to periods before and after Thornton Creek Elementary school hours. School was in session the day the gap study was performed. Gaps were collected for northbound traffic, southbound traffic and for both directions at once. The results of the gap study are summarized in the tables below:

Gap Size			Number	of Gaps			Total
(seconds)	8:00 AM	8:15 AM	8:30 AM	8:45 AM	9:00 AM	9:15 AM	Gaps
· ,	to	to	to	to	to	to	•
	8:15 AM	8:30 AM	8:45 AM	9:00 AM	9:15 AM	9:30 AM	
2-3	31	23	14	14	10	16	108
4-5	12	14	7	8	3	6	50
6-7	7	7	9	6	9	4	42
8-9	5	1	3	6	3	2	20
10-11	2	3	3	3	2	5	18
12-13	5	2	1	2	1	5	16
14-15	1	4	1	5	2	1	14
16-17	1	0	4	0	3	4	12
18-19	0	2	0	0	1	0	3
20-21	2	1	0	0	0	2	5
22-23	1	0	2	0	1	0	4
24-25	1	0	0	0	0	0	1
26-27	2	0	1	0	0	0	3
28-29	1	0	0	0	1	0	2
> 29	3	4	2	1	2	2	14

Table 1: AM Period Gaps for Southbound Beck Road

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Gap Size	Number of Gaps												
(seconds)	8:00 AM	8:15 AM	8:30 AM	8:45 AM	9:00 AM	9:15 AM	Gaps						
	to	to	to	to	to	to							
	8:15 AM	8:30 AM	8:45 AM	9:00 AM	9:15 AM	9:30 AM							
2-3	36	14	9	5	3	12	79						
4-5	6	9	8	3	9	8	43						
6-7	5	4	7	11	2	7	36						
8-9	4	2	5	1	5	4	21						
10-11	3	2	3	0	1	3	12						
12-13	2	4	3	0	3	2	14						
14-15	4	2	1	1	0	2	10						
16-17	2	2	2	1	0	1	8						
18-19	1	1	1	1	3	0	7						
20-21	3	1	0	1	0	0	5						
22-23	0	3	0	1	1	0	5						
24-25	0	1	2	1	1	2	7						
26-27	0	1	2	0	0	1	4						
28-29	0	1	0	1	0	0	2						
> 29	3	1	1	2	1	1	9						

Table 2: AM Period Gaps for Northbound Beck Road

Gap Size	Number of Gaps													
(seconds)	8:00 AM	8:15 AM	8:30 AM	8:45 AM	9:00 AM	9:15 AM	Gaps							
	to	to	to	to	to	to								
	8:15 AM	8:30 AM	8:45 AM	9:00 AM	9:15 AM	9:30 AM								
2-3	40	24	14	12	9	24	123							
4-5	15	3	11	7	5	14	55							
6-7	7	5	8	3	45	3	71							
8-9	3	2	3	3	1	4	16							
10-11	1	1	1	2	1	0	6							
12-13	3	0	2	0	0	1	6							
14-15	2	2	1	2	1	0	8							
16-17	1	1	1	0	0	1	4							
18-19	0	0	1	1	0	0	2							
20-21	0	1	0	0	0	1	2							
22-23	0	1	0	0	0	0	1							
24-25	0	0	0	0	0	0	0							
26-27	0	0	0	0	0	0	0							
28-29	0	0	0	0	0	0	0							
> 29	0	0	0	0	0	0	0							

 Table 3: AM Period Gaps for Combined Northbound & Southbound Beck Road

Gap Size		Total			
(seconds)	3:15 PM to	3:30 PM to	3:45 PM to	4:00 PM to	Gaps
	3:30 PM	3:45 PM	4:00 PM	4:15 PM	
2-3	12	7	5	11	35
4-5	11	6	9	12	38
6-7	5	2	7	6	20
8-9	0	2	6	3	11
10-11	4	1	2	2	9
12-13	0	3	1	2	6
14-15	1	2	2	0	5
16-17	3	0	0	1	4
18-19	0	0	0	0	0
20-21	1	1	1	0	3
22-23	2	0	0	0	2
24-25	1	1	0	0	2
26-27	0	0	0	0	0
28-29	0	0	0	0	0
> 29	0	1	0	2	3

Table 4: PM Period Gaps for Southbound Beck Road

Gap Size		Total			
(seconds)	3:15 PM to	3:30 PM to	3:45 PM to	4:00 PM to	Gaps
	3:30 PM	3:45 PM	4:00 PM	4:15 PM	
2-3	10	2	7	15	34
4-5	8	8	3	6	25
6-7	7	3	4	3	17
8-9	5	2	4	1	12
10-11	0	0	0	2	2
12-13	2	1	0	1	4
14-15	2	0	0	2	4
16-17	3	1	1	0	5
18-19	1	0	1	0	2
20-21	0	1	1	0	2
22-23	0	0	0	1	1
24-25	1	0	0	2	3
26-27	1	0	0	0	1
28-29	1	0	0	0	1
> 29	0	2	1	2	5

Table 5: PM Period Gaps for Northbound Beck Road

Gap Size			Total		
(seconds)	3:15 PM to	3:30 PM to	3:45 PM to	4:00 PM to	Gaps
	3:30 PM	3:45 PM	4:00 PM	4:15 PM	
2-3	16	7	7	13	43
4-5	10	5	7	5	27
6-7	9	1	5	1	16
8-9	4	2	1	3	10
10-11	0	1	0	1	2
12-13	0	2	0	2	4
14-15	0	1	0	0	1
16-17	1	0	0	0	1
18-19	0	0	0	0	0
20-21	0	0	0	0	0
22-23	0	0	0	0	0
24-25	0	0	0	0	0
26-27	0	0	0	0	0
28-29	0	0	0	0	0
> 29	0	0	0	0	0

Table 6: PM Period Gaps for Combined Northbound & Southbound Beck Road

In order to evaluate the time a pedestrian has to cross a roadway, a standard walking speed of 4 feet per second was used in the analysis. The existing geometry of Beck Road is two lanes. An additional center lane is being proposed on Beck Road to allow the construction of a pedestrian refuge island at the crossing location as well as to allow northbound to westbound turning movements onto Cheltenham Drive to be made from the center turn lane. By extending the center turn lane south enough to be a benefit for northbound to westbound turning vehicles, no northbound passing flare will be necessary.

Pedestrian crossing times vary based on the specific roadway geometry and traffic volumes. The level of comfort of the pedestrian also is a factor. In order for a pedestrian to cross two lanes of traffic of Beck Road, a minimum 6-second gap is required in northbound and southbound traffic combined. Tables 3 and 6 show the gaps for this condition during the AM and PM periods.

If there is a pedestrian refuge island, a shorter gap is needed since the pedestrian only has to cross one lane of traffic at a time. A minimum 3-second gap is needed for a pedestrian to cross one lane of either northbound or southbound traffic on Beck Road. This situation is illustrated by Tables 1, 2, 4 and 5.

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Based on the results of the gap study, there are sufficient gaps available for several crossings per hour without a pedestrian island. With an island, the number of suitable gaps nearly doubles.

Guidance for Installation of Pedestrian Crosswalks on Michigan State Trunkline Highways

Michigan Department of Transportation

July 7, 2014

Background

The Michigan Department of Transportation's (MDOT) overall mission includes the provision of safe and efficient transportation facilities for all road users. Determining when and where to provide appropriate treatments such as marked crosswalks and pedestrian signing is often complicated. Elements that can affect decisions on whether to install crossing treatments and what type include:

- Posted speed limit of the roadway
- Volumes of vehicular and pedestrian traffic
- Number of travel lanes and geometry of the roadway at the crossing location
- Profile of pedestrian traffic (proportion of crosswalk used by elderly or children)
- Type of roadway
- Setting (urban or rural)

All of the elements listed above can influence decision making on whether a crosswalk should be installed at a given location and if additional treatments should be considered. Not providing a uniform approach to pedestrian crossing treatments can create confusion for both motorists and pedestrians, resulting in a potential to lessen the effectiveness of pedestrian crossings.

The objective of this guidance document is to establish a step-by-step procedure to evaluate the use of various pedestrian crossing treatments. This guidance is expected to provide crosswalk treatments that meet both motorist and pedestrian expectations and consistency on trunkline routes. Recent pedestrian research studies, existing crosswalk guidelines used by other governmental agencies, manuals on traffic control devices, and state statute were reviewed in order to establish this guidance document.

Crosswalk Location Evaluation Procedures

Evaluation of a proposed crosswalk location for potential crossing treatments on state trunkline routes should include the following four basic steps:

- 1) Identification and Description of the Crossing Location
- 2) Physical Data Collection
- 3) Traffic Data Collection and Operational Observations
- 4) Application of Data to Determine Appropriate Treatments

Step 1: Identification and Description of the Proposed Crossing Location

- a) Identify the pedestrian crossing location including the major street and the specific location of the crossing
- b) Determine if the crossing location connects both ends of a shared-use path.
- c) Note the posted speed along the major street at the crossing location.
- d) Identify the existing traffic control, if any, and any existing crossing treatments (signs, markings or physical treatments), street lighting and curb ramps.
- e) Identify lane use (setting) on either side of crossing.

Step 2: Physical Data Collection

- a) Determine the existing roadway configuration including the number of lanes and the presence of raised medians or refuge islands at the crossing location.
- b) Identify the nearest marked or protected crossing and measure the distance to this proposed crossing.
- c) Measure the stopping sight distance (SSD) on all vehicular approaches to the proposed crossing. If the SSD is less than eight times the posted speed limit, determine if improvements (such as removal of obstructions) are feasible means to mitigate the inadequate SSD. Consider traffic calming treatments that would encourage lower driving speeds.

Step 3: Traffic Data Collection and Operational Observations

- a) Gather or collect pedestrian crossing volumes during the peak hours of use. This will typically involve AM, midday, and PM peaks hours. Locations near schools may only require two hours of data collection, corresponding to school opening and closing times. Pedestrian volumes should include and differentiate between pedestrians and bicyclists, the number of young, elderly and/or disabled pedestrians. For locations where school crossing traffic is anticipated, the volume of student pedestrians (school age pedestrians on their way to/from school) should also be noted separately. Whenever possible, pedestrian and bicycle volumes should be collected during weather months and conditions that represent peak crossing activity. Consider gathering data before, during and after special events or near venues that generate large pedestrian volumes such as stadiums, conventions centers, theaters, etc.
- b) Collect hourly and average daily traffic (ADT) volumes for vehicle traffic along the roadway at the crossing location, including truck volumes and turning movements simultaneously with pedestrian data.

Step 4: Application of Data to Determine Appropriate Treatments

- a) Using the available data, utilize the following to determine appropriate treatment(s) for signalized, stop-controlled or uncontrolled locations :
 - Figure 1 (see page 8) Pedestrian Crossing Treatment Flow Chart at Controlled Crossings,
 - Figure 2 (see page 9) Pedestrian Crossing Treatment Flow Chart at Uncontrolled Crossings and
 - Table 1 (see page 10) Criteria for Types of Crossing Treatments at Uncontrolled Locations (if applicable)
- b) Consider and incorporate the following additional evaluation considerations as appropriate in:
 - Figure 3a (see page 11) Installation of Pedestrian Hybrid Beacon or Rectangular Rapid Flashing Beacon Signs on Low Speed Roadways (≤ 35 mph)

If an electronic device is being considered, submit Form 1597 to MDOT Signal

Operations to request a study for any electronic pedestrian device.

Types of Crossing Treatments at Uncontrolled Locations

Four primary types of uncontrolled crossing treatments are discussed below. These treatments consider the physical roadway conditions, vehicle volumes, pedestrian volumes and posted speed limit at the potential crossing location. Table 1 should be used to determine which crossing type should be applied. All crossing types shall include ADA compliant sidewalk ramps. An uncontrolled location includes mid-block and unsignalized intersections where mainline of the state trunkline does not stop.

Crossing Type A:

- Marked special emphasis crosswalk (See MDOT PAVE 945 series)
- Standard pedestrian warning signs (W11-2) (See MDOT Traffic Sign Design, Placement and Application Guide). Evaluate need for advanced signing.



• If the location is a designated school crossing then standard school crossing signs (S1-1) should be used.

Crossing Type B:

- Marked special emphasis crosswalk (See MDOT PAVE 945 series)
- Standard pedestrian warning signs (MDOT Traffic Sign Design, Placement and Application Guide). Evaluate need for advanced warning signs.



- Geometric improvements (such as median nose extensions, curb extensions, pork chop island, tighter curb radius or median refuge islands) or consider pedestrian activated Rectangular Rapid Flashing Beacons (RRFB) if criteria are met in Figure 3a or 3b (see page 11). Submit form 1597 to MDOT Signal Operations to request a study for any electronic pedestrian device.
- Consider use of in-street yield to pedestrian crossing sign (R1-6) in low speed urban setting if the local unit of government has adopted the Michigan Uniform Traffic Code for Cities Townships and Villages.
- Additional pavement markings may be required such as double yellow centerline

or cross hatching in advance of a median refuge island.

- If the location is a designated school crossing then standard school crossing signs (S1-1) should be used.
- Consider curb extensions if on-street parking is present and storm drainage structures can be accommodated.
- If pedestrian volume falls above the RRFB limit line on Figure 3a or 3b, go to Crossing Type D.

Crossing Type C:

• Where the posted speed is greater than or equal to 45 mph, determine if modifications can be made to the geometrics of the roadway or signal timing adjusted to calm traffic to reduce travel speeds (85th) thus allowing the road to have a lower the



posted speed limit and a raised median and/or pork chop island can be installed. A lower posted limit must be supported by a speed study. If so, go to Crossing Type B

• If not possible or if pedestrian volumes fall above the Rectangular Rapid Flashing Beacon (RRFB) limit line on Figure 3a or 3b, go to Crossing Type D

Crossing Type D:

- Crossing has the following configurations:
 - 4 Lanes with speed greater than or equal to 45 mph and ADT greater than or equal to 12,000 vpd



- 5 Lanes with refuge island or
 4 lane with raise median with speed greater than or equal to 45 mph and
 ADT greater than or equal to 15,000 vpd
- 5 Lanes with speed greater than or equal to 45 mph and ADT greater than or equal to 12,000 vpd
- 6 Lanes with speed greater than or equal to 40 mph and ADT between 1,500 and 12,000 vpd or ADT greater than 12,000 vpd for all posted speeds.
- 3 or more through lanes in a given direction and posted speed 40 mph or greater.
- Consider the Pedestrian Hybrid Beacon (PHB), pedestrian traffic signal or grade separated pedestrian crossing. Submit form 1597 to MDOT Signal Operations to request a study for any electronic pedestrian device.

• Must consider corridor signal progression, grades, physical constraints and other engineering factors.

Table 1 lists the number of lanes crossed to reach refuge and the number of multiple threat lanes per crossing. This information does not directly play into the use of Table 1, but does provide important context to help distinguish the crossing types and support the difference in recommended crossing treatments.

Additional crossing treatments for consideration can be found in <u>Best Design Practices for</u> <u>Walking and Bicycling in Michigan.</u>

http://www.michigan.gov/documents/mdot/MDOT_Research_Report_RC1572_Part6_387521_7 .pdf

Minimum Vehicle Volume for Treatments

Crossing treatments should generally not be installed at locations where the ADT is lower than 1,500 vehicles per day. Exceptions may be made at school crossing locations where the peak hour vehicle traffic exceeds 10% of the ADT. School crossings are defined as locations where 10 or more student pedestrians are crossing in any given hour and the crossing is a designated school walking route. Treatments for roadways with greater than 1,500 vehicles per day should be installed based on the criteria in Figure 1, Table 1 and the information in Figure 3 (a or b depending on posted speed limit).

Minimum Pedestrian Volume for Treatment at Uncontrolled Crossing Locations

The base threshold for consideration of an enhanced crossing treatment at an uncontrolled location is 20 pedestrians per hour. This threshold is consistent with national guidance and policies adopted by other states and cities.

The Minimum Pedestrian Volume Thresholds are as follows:

- 20 pedestrians per hour* in any one hour, or
- 18 pedestrians per hour* in any two hours, or
- 15 pedestrians per hour* in any three hours, or
- 10 school age (grades K-12) pedestrians traveling to or from school in any one hour and the crossing is a designated school walking route

*Young, elderly, and disabled pedestrians count two times towards volume thresholds

Definition of a Pedestrian Median Refuge and Minimum Median Refuge Width

A pedestrian median refuge island is defined as a location in the middle of a pedestrian crossing where a pedestrian can take refuge, separating the crossing into two segments, across each direction of approaching traffic. A painted center median or a painted turn lane does not

constitute a pedestrian refuge. A pedestrian refuge must include some type of raised median as described below:

- A raised median nose at an intersection (next to a left turn bay for example) can only be considered a pedestrian refuge for the adjacent crosswalk if the median is at least four feet wide and the left turn volume is less than 20 vehicles per hour. This low left turn volume means that during most pedestrian crossings there will not be a vehicle in the left turn lane as they cross the street.
- A raised median at a mid-block pedestrian crossing must be at least six feet wide (preferably 8 feet wide) and includes curb ramps or a walkway at grade through the median. For shared-use path crossing locations, a 10 foot median refuge width is desirable to accommodate bicycles with child trailers, recumbent bicycles and tandem bicycles.

Distance to Nearest Marked or Protected Crossing

The Pedestrian Crossing Treatment Flow Chart in Figure 2 includes consideration of spacing criteria for an uncontrolled crossing to the nearest marked or signalized crossing. The flowchart requires that a new uncontrolled mid-block crossing be at least 300 feet from the nearest crossing. However, this spacing criterion can be waived if the proposed crossing serves a shared-use path or the pedestrian crossing volume exceeds twice the minimum threshold. This criterion is subject to engineering judgment. In urban conditions, where a typical block length is 400 feet, the engineer may want to consider allowing a minimum of 200 feet, provided that the pedestrian crossing:

- Does not cross any left or right turn lanes or their transitions, where it is anticipated that vehicles will be changing lanes
- Is not near an intersection area where it will create undue restriction to vehicular traffic operations.

Pedestrian Crossing Treatments at Higher Speed Roadways with Rural Character

There may be conditions that necessitate the installation of pedestrian crossings where speeds are higher and special consideration is warranted. Engineering judgment should be applied and consideration given to providing an uncontrolled crosswalk. Engineering judgment should also be used in rural scenarios at shared use path crossings. Pedestrian warning signs may be adequate in some situations.

Figure 1 Pedestrian Crossing Treatment Flow Chart for Controlled Crossing

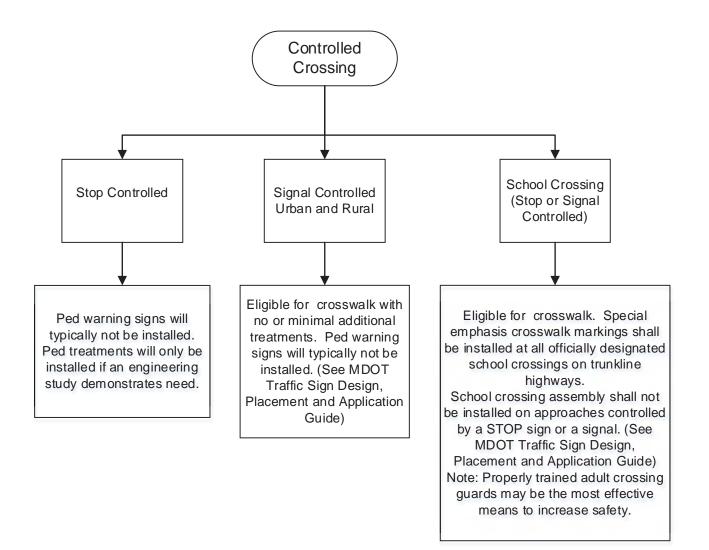


Figure 2 Pedestrian Crossing Treatment Flow Chart for Uncontrolled Crossing

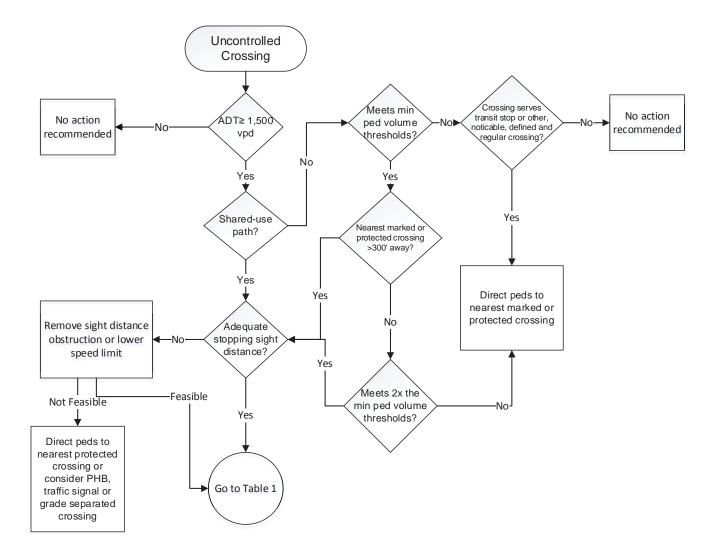
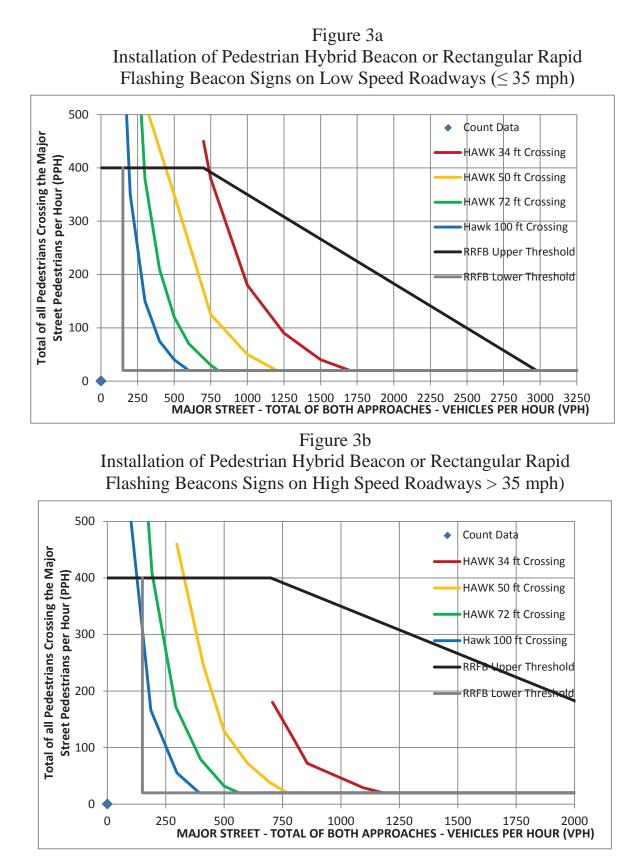


Table 1Criteria for Types of Crossing Treatments at Uncontrolled Locations

	# of lanes	· · · · · · · · · · · · · · · · · · ·		-				Roa	idway	ADT a	nd Pos	ted Sp	eed	1.11				
	crossed to	# of multiple	1,	1,500 - 9,000 vpd				9,000 - 12,000 vpd			12,000 - 15,000 vpd				>15,000 vpd			
Roadway configuration	reach a refuge	threat lanes* per crossing	≤30 mph	35 mph	40 mph	≥45 mph	≤30 mph	35 mph	40 mph	≥45 mph	en universit	35 mph	40 mph	≥45 mph	C. N 201 200	35 mph	40 mph	≥ 45 mph
2 Lanes (one way street)	2	1	A	A	A	В	A	А	В	В	Α	Α	В	В	Α	A	B	B
2 Lanes (two way street with no median)	2	0	Α	A	A	В	A	Α	В	В	А	А	В	В	Α	Α	В	В
3 Lanes w/refuge island or 2 Lanes w/raised median	1	0	A	A	A	В	A	Α	В	В	Α	А	В	В	Α	В	В	В
3 Lanes (center turn lane)	3	1	A	A	В	В	A	В	В	В	А	В	В	В	Α	В	B	В
4 Lanes (two way street with no median)	4	2	A	В	В	С	A	В	C	С	Α	В	C	D	В	В	C	D
5 Lanes w/ refuge island or 4 lanes w/raised median	2	2	A	A	В	В	A	В	В	С	A	В	С	С	В	В	C	D
5 Lanes (center turn lane)	5	2	A	В	С	С	В	В	С	С	С	С	С	D	C	C	C	D
6 lanes (two way street with or without median)	3 to 6	4	Α	В	D	D	В	В	D	D	D	D	D	D	D	D	D	D
* Minimum pedestrian volumes (page 6) must be met	before conside	ration of unco	ntrolle	d cros	sing tr	eatme	nts.							1	17.3	1		



*See MMUTCD for pedestrian signal warrant graphs. Submit form 1597 to MDOT Signal Operations to request a study for any electronic pedestrian device.

Traffic Control Device Guidance

Crosswalk Pavement Marking Guidance

Crosswalk markings at an intersection shall be two 6 inch transverse markings as specified in the Pavement Marking Standard for Intersection, Stop Bar and Crosswalk Markings. http://mdotcf.state.mi.us/public/tands/Details_Web/mdot_pave-945-b.pdf

Crosswalk markings for established school crossings and mid-block locations shall be Special Emphasis 12" longitudinal markings as specified in the Pavement Marking Standard for Intersection, Stop Bar and Crosswalk Markings.

http://mdotcf.state.mi.us/public/tands/Details_Web/mdot_pave-945-b.pdf

Pavement marking materials shall be placed as specified in the Pavement Marking Materials Usage Guidelines.

http://mdotcf.state.mi.us/public/tands/Details_Web/mdot_pavemark_material-guide.pdf

Crosswalk Signing Guidance

Guidance for signing can be found in the MDOT Traffic Sign Design, Placement and Application Guidelines.

http://mdotcf.state.mi.us/public/tands/Details_Web/mdot_signing_design_placement_applicati on_guidelines.pdf

Traffic Signal Guidance

Guidance for the installation of traffic signals can be found in the MDOT document Traffic Signals A Guide for Their Proper Use.

http://mdotcf.state.mi.us/public/tands/Details_Web/mdot_signal_guideforuse.pdf

References

- 1) Michigan Manual on Uniform Traffic Control Devices, 2011.
- Safety Effects of Marked vs Unmarked Crosswalks at Uncontrolled Locations: Final Report and Recommended Guidelines, Zeeger, C.V. and others, U.S. Department of Transportation, Federal Highway Administration, September 2005.
- 3) City of Boulder Pedestrian Crossing Treatment Installation Guide, November 2001.
- Improving Pedestrian Safety at Unsignalized Crossings, Kay Fitzpatrick and others, Transit Cooperative Research Program Report 112 and National Cooperative Highway Research Program Report 562, 2006.
- 5) The Effects of Advance Stop Lines and Sign Prompts on Pedestrian Safety in a Crosswalk on a Multilane Highway, Van Houten, R., Journal of Appiled Behavior Analysis, Number 3, pages 245-251, Fall 1988.
- 6) Pedestrian Facilities Users Guide Providing Safety and Mobility, Zegeer, C.V. and others, Federal Highway Administration publication number FHWA-RD-01-102, March 2002.
- 7) Safety Analysis of Marked Versus Unmarked Crosswalks in 30 Cities, Zeeger, C.V. and others, ITE Journal, January 2004.

BID

for Beck Road Mid-Block Pedestrian Crossing

Bid of Florence Cement Company	hereinafter	called
Bidder, organized and existing under the laws of or a resident of the State of Michig	an, doing busi	ness as
a corporation		*.

Insert as applicable: "a corporation", "a partnership" or "an individual".

TO THE CITY OF NOVI, MICHIGAN, hereinafter called OWNER:

The undersigned as Bidder hereby declares: that this Bid is made in good faith without fraud or collusion with any person or persons bidding on the same Contract; that the Bidder has read and examined the Advertisement for Bids, Instructions to Bidders, Bid, General Conditions, Supplementary Conditions, Agreement, Forms of Bond, Specifications and Drawings, as prepared by the ENGINEER, and understands all of the same; that the Bidder of its representative has made personal investigation at the site and has become fully familiar with regard to the conditions to be met in the execution of this Contract, and the undersigned proposes to furnish all labor, materials, tools, power, transportation, and construction equipment necessary for the construction of the Project and performing related work in full accordance with the aforesaid Contract Documents, including any and all Addenda officially issued, their receipt of which is hereby acknowledged:

Addendum No.	Addendum Date
	4/30/15

The Contract will be awarded to the lowest responsive, responsible Bidder based on the unit prices for all Work specified.

The Bidder agrees to complete the Project for the following unit prices:

Item No.	Ref Spec	Item Description	Qty	Unit	Unit Price	Total Price
110.	Spec	· · · · · · · · · · · · · · · · · · ·			Omtifice	Totalitice
1	02.02	Bonds, Insurance and Mobilization (5% Max)	1	LS	13,000,00	13,000.00
2	02.02	Pre-Construction Audio-Visual	1	LS	1500.00	1500.00
3	30.12	Soil Erosion Control Measures	1	LS	1000.00	1000.00
4	30.13	Maintaining Traffic	1	LS	15,000.00	15,000.00
5	30.14	HMA Surface, Remove, Modified	1137	SY	8,00	9096.00
6	30.15	Sidewalk, Remove	1585	SF	1.00	1585.00



			r		
30.16	Concrete Curb and Gutter, Remove	215	LF	11.00	2365.00
M501	Cold Milling HMA Surface	4100	SY	3.00	12,300.00
M203	Sewer, Rem, Less than 24 Inch	25	LF_	16,00	400.00
M203	Culv, End, Rem, Less than 24 Inch	1	EA	400,00	400,00
M205	Excavation, Earth	110	CY	40.00	4400.00
30.17	Subrade Undercut (As Needed)	225	CY	45.00	10,125,00
M302	Aggregate Base, 6 inch	440	SY	12,00	5280,00
M302	Aggregate Base, 10 inch	1920	SY	12.00	23,040,00
M307	Shoulder, CL II, 4 inch	455	SY	8,00	3640.00
M602	Conc Pavt, Misc, Nonreinf, 8 inch	17	SY	85.00	1445.00
30.18	Concrete Curb and Gutter, Modified	376	LF_	40,00	15,040.00
M802	Driveway Opening, Conc, Det M	130	LF_	35.00	4550.00
30.19	Concrete Spillway	8	SY	75.00	600.00
30.20	HMA Surface Repair	450	SY	31.00	13,950,00
M501	HMA, 3C	45	TON	170,00	7650,00
M501	HMA, 5E10	490	TON	110.00	53,900,00
30.21	Corrugated HMA Divider, Depressed	225	LF	10.00	2250.00
30.22	Pathway Grading	1.85	STA	2000,00	3700.00
30.23	Concrete Curb, Sidewalk	110	LF	20,00	2200,00
M803	Sidewalk, Conc, 4 inch	1175	SF	5.50	6462.50
30.24	Sidewalk, Conc, 6 inch	785	SF	7.50	5887.50
30.25	ADA Detectable Warning Plate	96	SF	20,00	1920.00
30.27	Adjust	4	EA	400.00	1600.00
30.28	Str Rehab Type 3: Reconstruct Structure	1	EA	900,00	900.00
30.29	Structure Cover, Type A	2	EA	600.00	1200.00
30.29	Structure Cover, Type B	2	EA ,	500.00	1700.00
30.29	Structure Cover, Type C	1	EA	1900-00-	500,00
30.30	12 Inch RCP	49	LF	50,00	
	12 Inch RCP End Section w Bar Screen, Complete	3	EA	1600.00	4800.00
	M501 M203 M205 30.17 M302 M307 M602 30.18 M802 30.19 30.20 M501 30.21 30.21 30.22 30.23 M803 30.24 30.25 30.24 30.25 30.27 30.28 30.29 30.29 30.29	M501Cold Milling HMA SurfaceM203Sewer, Rem, Less than 24 InchM203Culv, End, Rem, Less than 24 InchM205Excavation, Earth30.17Subrade Undercut (As Needed)M302Aggregate Base, 6 inchM302Aggregate Base, 10 inchM307Shoulder, CL II, 4 inchM602Conc Pavt, Misc, Nonreinf, 8 inch30.18Concrete Curb and Gutter, ModifiedM802Driveway Opening, Conc, Det M30.19Concrete Spillway30.20HMA Surface RepairM501HMA, 3CM501HMA, 5E1030.22Pathway Grading30.23Concrete Curb, SidewalkM803Sidewalk, Conc, 4 inch30.24Sidewalk, Conc, 6 inch30.25ADA Detectable Warning PlateStr Rehab Type 2: Structure Cover30.29Structure Cover, Type A30.29Structure Cover, Type B30.29Structure Cover, Type C30.3012 Inch RCP	M501Cold Milling HMA Surface4100M203Sewer, Rem, Less than 24 Inch25M203Culv, End, Rem, Less than 24 Inch1M205Excavation, Earth11030.17Subrade Undercut (As Needed)225M302Aggregate Base, 6 inch440M302Aggregate Base, 10 inch1920M307Shoulder, CL II, 4 inch455M602Conc Pavt, Misc, Nonreinf, 8 inch1730.18Concrete Curb and Gutter, Modified376M802Driveway Opening, Conc, Det M13030.19Concrete Spillway830.20HMA Surface Repair450M501HMA, 3C45M501HMA, 5E1049030.21Corrugated HMA Divider, Depressed22530.22Pathway Grading1.8530.23Concrete Curb, Sidewalk110M803Sidewalk, Conc, 4 inch117530.24Sidewalk, Conc, 6 inch78530.25ADA Detectable Warning Plate96Str Rehab Type 3: Reconstruct130.29Structure Cover, Type A230.29Structure Cover, Type A230.29Structure Cover, Type C130.3012 Inch RCP49	M501Cold Milling HMA Surface4100SYM203Sewer, Rem, Less than 24 Inch25LFM203Culv, End, Rem, Less than 24 Inch1EAM205Excavation, Earth110CY30.17Subrade Undercut (As Needed)225CYM302Aggregate Base, 6 inch440SYM302Aggregate Base, 10 inch1920SYM307Shoulder, CL II, 4 inch455SYM602Conc Pavt, Misc, Nonreinf, 8 inch17SY30.18Concrete Curb and Gutter, Modified376LFM802Driveway Opening, Conc, Det M130LF30.19Concrete Spillway8SY30.20HMA Surface Repair450SYM501HMA, 3C45TONM501HMA, 5E10490TON30.21Corrugated HMA Divider, Depressed225LF30.22Pathway Grading1.85STA30.23Concrete Curb, Sidewalk110LFM803Sidewalk, Conc, 6 inch785SF30.24Sidewalk, Conc, 6 inch785SF30.25ADA Detectable Warning Plate96SF30.29Structure Cover, Type A2EA30.29Structure Cover, Type B2EA30.29Structure Cover, Type C1EA30.3012 Inch RCP49LF	M501 Cold Milling HMA Surface 4100 SY <i>Ĵ.00</i> M203 Sewer, Rem, Less than 24 Inch 25 LF <i>I0.00</i> M203 Culv, End, Rem, Less than 24 Inch 1 EA <i>400.00</i> M205 Excavation, Earth 110 CY <i>400.00</i> 30.17 Subrade Undercut (As Needed) 225 CY <i>45.00</i> M302 Aggregate Base, 6 inch 440 SY <i>I 2.00</i> M302 Aggregate Base, 10 inch 1920 SY <i>I 2.00</i> M307 Shoulder, CL II, 4 inch 455 SY <i>8.00</i> M602 Concrete Curb and Gutter, Modified 376 LF <i>40.00</i> M802 Driveway Opening, Conc, Det M 130 LF <i>35.00</i> 30.19 Concrete Spillway 8 SY <i>75.00</i> 30.20 HMA Surface Repair 450 SY <i>31.00</i> M501 HMA, 3C 45 TON <i>I10.00</i> 30.21 Corrugated HMA Divider, Depressed 225



1					<u> </u>	
36	30.32	Tap Existing Manhole	1	EA	300.00	300.00
37	30.33	Ditching	130	LF	15,00	1950,00
38	30.34	Sign, R4-7 Keep Right, Modified	2	EA	200.00	400.00
39	30.34	Sign, W16-9P Ped Crossing Ahead, Modified	2	EA	180,00	360,00
40	30.34	Sign, W11-2 Ped Crossing, Modified	4	EA	180,00	720,00
41	30.34	Sign, W16-7P Left Arrow, Modified	2	EA	90.00	180,00
42	30.35	Post, Steel, 3 Pound, Modified	4	EA	115,00	460.00
43	30.36	Perforated Steel Square Tube Sign Breakaway Sys	2	EA	495.00	1990.00
44	30.37	Plastic Delineator, Round	8	EA	75,00	600,00
45	30.38	Pavement Marking, Yellow, 4 Inch	2595	LF	0.55	1427.25
46	30.38	Pavement Marking, White, 4 Inch	1740	LF	0.55	957.00
47	30.38	Pavement Marking, Cross Walk, Recessed, 12 Inch	65	LF	10,25	666.25
48	30.38	Pavement Marking, Yellow, 12 Inch	130	LF	1.95	253,50
49 30.39 Restoration		1	LS	4.580,00	4580,00	
50 30.40 Inspection Crew Days		33	DAY	\$640.00	21,120,00	
TOTAL BASE BID PRICE:			\$ 271,	100.00		

If the foregoing Bid shall be accepted by the OWNER, the undersigned agrees to enter into the attached form of Agreement within ten (10) days after receiving notice of such acceptance, will furnish the OWNER satisfactory bonds and certificates of insurance coverage, and will complete the Project, at the price and within the time stated in this Bid.

The undersigned further agrees that if the foregoing Bid shall be accepted, work will commence immediately after the Contract has been awarded, the Agreement executed, and a Notice to Proceed received. The undersigned shall complete the Work to Substantial Completion within 30 calendar days, and to Final Completion, including restoration and all punch list items, within 45 calendar days.

The undersigned attaches hereto its Bid security, as required by the Advertisement for Bids and Instructions to Bidders. The undersigned agrees that in case it shall fail to fulfill its obligations under the foregoing Bid, and/or shall fail to furnish bonds, as specified, the OWNER may, at its option determine that the undersigned has abandoned its rights and interests in such Contract and that its Bid security accompanying its Bid; has been forfeited to the said OWNER, but otherwise the Bid security shall be returned to the undersigned upon the execution of the Contract and the acceptance of the bonds.

The undersigned also agrees that for each and every calendar day that he may be in default of Substantial Completion of the Work, within the time specified in this Bid, the OWNER will suffer a damage of Six Hundred Dollars (\$600.00) per day, and said OWNER shall be compensated therefore at the rate as liquidated damages in accordance with the Agreement.



CITY OF NOVI Rev 2/18/15 In submitting this Bid, it is understood that the right is reserved by the OWNER to accept any bid, to reject any or all Bids, and to waive irregularities in bidding in the interest of the OWNER.

SUBMITTED on $\frac{5/6/15}{Date^*}$	BY: Flo
12585 23 Mile Rol, Street*	
Shelby Township, MI48315 City, State, ZIP*	Angele
586-997-2666 Telephone Number*	

BY: Florence Cement Company
Name of Bidder*
A
Signature

9 S. Lanni - Pesiclent Name and Title of Signatory*

586-997-3966 Facsimile Number*

*Typed or printed in ink.



BIDDER'S QUALIFICATION AND EXPERIENCE STATEMENT

The OWNER will require supporting evidence regarding Bidder's Qualifications and competency. The Bidder will be required to furnish all of the applicable information listed below, which must be submitted with the sealed Bid at the time of Bid Opening. The Qualifications and Experience Statement must be typewritten and signed in ink.

A fill-in-the blank version of this form is available for your convenience on the City of Novi's website (<u>www.cityofuovi.org</u>) under Forms & Permits/Engineering.

QUALIFICATIONS AND EXPERIENCE STATEMENT

The undersigned certifies under oath that the information provided herein is true and sufficiently complete so as not to be misleading.

Submitted to: City of Novi
Address: 45175 W. Ten Mile Rd. Nov: MI 48375
Submitted by: <u>Angelo S. Lanni</u>
Name: FLORENCE CEMENT COMPANY
Address: 12585 23 Mile Rd
City, State, ZIP Shelby TOWASH'N MI 48315
Telephone Number: <u>586-997-2666</u> Fax Number: <u>586-997-3966</u>
Principal Office: Same as above
Corporation: Joint Venture:
Partnership: Other:
ndividual:
Jame of Project: Beck Ad. Mid Block Pedestrian Crossing
Type of Work (file separate form for each classification of work):
General: Plumbing:
IVAC: Electrical:
Other: Concrete + Asphalt Paving (Please Specify) Seven, water and grading
SEWCN, WATEN AND GARING Engineer to modify list of applicable trades experience, tailored to requirements of the project.]



Organization

How many years has your organization been in business as a CONTRACTOR? 497

How many years has your organization been in business under its present business name? 477

Under what other business names has your organization operated? Actro: + Concrete Products Corp.

If your organization is a corporation, answer the following:

Date of Incorporation: March C, 1966
State of Incorporation: Michigan
President's Name: Angelo S. Lanni
Vice President's Name: Michael Pittiglio
Vice President's Name: Michael Pittiglio Secretary's Name: Michael Pittiglio
Treasurer's Name: <u>Augelo Sr Lanni</u>
Treasurer's Iname: ////

If your organization is a partnership, answer the following:

Date or Ofganization: _____

Type of Partnership: _____

Names of General Partners: _____

If your organization is individually owned, answer the following:

Date of Organization:

Name of OWNER: ______

If the form of your organization is other than those listed above, describe it and name the principals:



Licensing

List jurisdictional and trade categories in which your organization is legally qualified to do business, and indicate registration or license numbers, if applicable:

see attached MAOT Qualification sheet

List jurisdiction in which your organization's partnership or trade name is filed:

Michigan

Experience

List the categories of work that your organization normally performs with its own forces:

Concrete Paving Asphalt Paving sewert Water Excavation+ grading

On a separate sheet, list major construction projects your organization has in progress. List the name of project, owner, architect/engineer, contract amount, percent complete, and scheduled completion date. See attached company resume

On a separate sheet, list the major construction projects your organization has completed in the past five (5) years. List the name of the project, owner, architect/engineer, contract amount, date of completion, and percentage of the cost of the work performed with your own forces. See attached company resume

On a separate sheet, list the construction experience and present commitments of the key individuals of your organization who would be employed in the Work.

Claims and Suits

If the answer to any of the questions below is yes, please attach details.

Has your organizations ever failed to complete any work awarded to it?

NO

Are there any judgments, claims, arbitration proceedings or suits pending or outstanding against your organization or officers?



Has the City of Novi filed a claim on any contract within the prior three years which asserted that your organization:

1) failed to perform as required by the contract?

K NO YES

2) completed contracted work in an untimely manner causing delays and interference;

 $\underline{\qquad}$ YES $\underline{\qquad}$ NO

3) lacked financial resources and the ability to satisfactorily perform the contract or provide the services or supplies;

_____YES

4) exhibited poor quality of performance or completed work under the contract;

NO

_____YES

5) failed to comply with laws and ordinances relating to the contract performance;

YES

NO

6) defaulted on its quotations or prices;

_____YES _____NO

References

Entity	Contact Name	Phone
Trade References		
1. see attached		
2.		
3.		
Bank References		
1. Comprice Bank	Dan Amato	313-222-6146
2.		
3.		
Surety	.	
Great American	Paul Hurley (Agent)	245-519-1400
Insurance Company		· ·



Name of Bonding Company: <u>Great American Ins, Co</u>
Name of Bonding Agent: Guy Hurley Blascr+Hauer, LLC
Address of Bonding Agent: 1080 Kirts Blud Troy MI 48084
suite 500

SUBMITTED on May 6, 2015 Date*	BY: FloreAce Cement Company Name of Bidder*
,	Angelo S. Lan Name and Title of Signatory* President
*Typed or printed in ink.	
<u>Angelo 5. Louni</u> beir provided herein is true and sufficiently complete so	ng duly sworn deposes and says that the information o as not to be misleading.
Subscribed and sworn before me this $\int \frac{6 + h}{h}$	day of <u>May</u> 2015
Notary Public:	
My Commission Expires://24/19	
	D WITH THE SEALED BID AT THE TIME OF
BID, THE BID WILL BE CONSIDERED INCO	JMPLETE,

LYNN A DEDENBACH Notary Public, State of Micnigan County of Saint Clair My Commission Expires 01-26-2019 Acting in the County of ALACOMS



Friday, May 01, 2015

Name Address Address

Attn:

It is with great pleasure that we forward to you a brief overview of Florence Cement Company, to acquaint you with our organization. Florence Cement Company is a local contractor performing highway roadwork and private work in southeastern Michigan for the last 49 years. Florence Cement Company is very proud of its past and continued record for service rendered, quality workmanship and timely completed projects. In January of 2001, Florence Cement acquired Detroit Concrete Products Corporation, and its 75 years of providing quality asphalt paving services throughout southeast Michigan. Today, with a combined 134 years of experience, our customers can rely on Florence Cement to provide a complete roadway or site package including excavation, utility work, concrete and asphalt paving.

Our accomplishments exemplifying these traits include the recently awarded:

2015: Michigan Concrete Pavement Association Awards of Excellence

- Metropolitan Parkway, Gratiot to Clinton River Spillway Clinton Twp., Macomb County
- Somerset Pines
 Rochester Hills, Oakland County
- Calahan Road
 Roseville, Macomb County
- Cherry Hill & Newburgh Intersection Westland, Wayne County
- Little Mack Avenue
 St Clair Shores, Macomb County
- Mohegan & Kennesaw Birmingham, Oakland County

2014: Michigan Concrete Pavement Association Awards of Excellence

- Wayne Road (Wahrman Rd) Extension, Sibley to Pennsylvania Huron Township, Wayne County
- Stephens Road, Gratiot Ave to Kelly Rd Eastpointe, Macomb County
- Laketon Ave., Wood St to Getty St Muskegon
- Dearborn CSO #4 Phase 1 City of Dearborn, Wayne County
- M-29 (Busha Hwy.), Bunce Ave. / N River Rd. To I-94BL Marysville, St Clair County

- Ryan Road Between 16 Mile Rd and 18 ½ Mile Rd Sterling Heights, Macomb County
- Bridgewater Estates, East of John R. North of Long Lake Oakland County

2013: Michigan Concrete Pavement Association Awards of Excellence

- Cass Avenue, Between Groesbeck Hwy and Gratiot Ave City of Mount Clemens, Macomb County
- Sheldon Road, Reconstruction
 City of Canton Township, Wayne County
- Coolidge and 12 Mile Road Intersection Improvements City of Berkley, Oakland County
- Groveland Avenue
 City of Roseville, Macomb County
- 14 Mile Road Overlay, Campbell Road to I-75 City of Troy, Madison Heights, Clawson and Royal Oak Oakland County
- Detroit Metro Ground Run-Up Enclosure City of Romulus, Wayne County
- I-94/M-39 Interchange Pavement Rehabilitation City of Allen Park and Taylor, Wayne County
- Northpointe Boulevard, Hall Road to Schoenherr Road City of Utica, Macomb County
- Clear Creek, Arteva Homes, Subdivision City of Rochester Hills, Oakland County

Some of our recently completed projects are:

2014: Asphalt Paving Projects

- Greenfield Road
 Dearborn, Wayne County
- Cooley Lake Road Waterford, West Bloomfield, & Commerce, Oakland County
- HMA Pavement Repairs
 Various Locations, Oakland County
- 2014 CDBG Pavement Repairs
 Mt Clemens, Macomb County
- Various Roads Project Selfridge ANG Base Harrison Twp., Macomb County

2013: Asphalt Paving Projects

- Livonia Asphalt Paving Livonia, Wayne County
- Square Lake Road
 City of Troy, Oakland County

- Nine Mile Road Ferndale, Oakland County
- North Washington Avenue Royal Oak, Oakland County
- Schlaff Avenue
 Dearborn, Wayne County

2014: Concrete Paving & Repair Projects

- Evergreen Road 8 Mile to 9 Mile Southfield, Oakland County
- Little Mack Avenue
 St Clair Shores, Macomb County
- Taxiway Golf Reconstruction Selfridge ANG Base Harrison Twp., Macomb County
- Baldwin Road
 Auburn Hills, Oakland County
- Metropolitan Parkway
 Clinton Twp., Macomb County
- Van Dyke Avenue
 Shelby Twp., Macomb County
- 2014 Concrete Streets
 Rochester Hills, Oakland County

2013: Concrete Paving & Repair Projects

- 13 Mile Road
 St Clair Shores, Macomb County
- Ryan Road
 Sterling Heights, Macomb County
- M-53 Between 34 Mile Road and Bordman Road Bruce Township and Almont Township Macomb and Lapeer Counties
- I-75 Repairs Toledo, Ohio Toledo, Lucas County
- Bishop Airport Apron Rehabilitation Flint, Genesee County
- Wayne Road Extension Wayne Road Pennsylvania to Sibley Van Buren Township, Wayne County
- Stephens Road Gratiot to Kelly Eastpointe, Macomb County

2012: Concrete Overlay Projects

14 Mile Road - From Campbell Road to I-75 Troy, Madison Heights, Clawson and Royal Oak Oakland County

2011: Concrete Overlay Projects

- 12 Mile Road From Evergreen to Southfield Road Lathrup Village and Southfield, Oakland County
- Outer Drive From Ford Road to N. Hines Drive Dearborn Heights, Wayne County

2009: Concrete Overlay Projects

Hall Rd
 Vreeland Road to Westland Road
 Woodhaven, Wayne County

Throughout the years, we have continued to work in the metropolitan area and have kept a good relationship with the Michigan Department of Transportation, local communities, consulting engineers and private developers.

In the past few years we have completed work for:

Mr. Marcus McNamara Orchard Hiltz & McCliment 34000 Plymouth Rd Livonia, MI 48150 (734) 522-6711 Westland 2011 Paving Division Contract Amount \$ \$595,375.39

Mr. Al Loebach City of Dearborn 4500 Maple, 3rd Floor Dearborn, MI 48126 (313) 943-2145 Schlaff Ave Contract Amount \$464,082.35 Mr. Alan Ostrowski MDOT Oakland TSC 800 Vanguard Drive Pontiac, MI 48341 (248) 451-0001 I-696 Patches Contract Amount \$1,550,589.90 I-696 East Patches Contract Amount \$2,685,853.25

Mr. Brent Bashaw City of Sterling Heights 40555 Utica Rd Sterling Heights, MI 48311 (586) 446-2720 Ryan Road Contract Amount \$945,439.86 Mr. Steven Pangori P.E. Anderson, Eckstein & Westrick, Inc. 51301 Schoenherr Road Shelby Township, MI 48315 (586) 726-1234 Stephens Rd Contract Amount \$2,828,770.13

Mr. Martin Wininger Wayne County Dept. of Public Services 33809 Michigan Ave Wayne, MI 48184 (734) 595-6505 Greenfield Road Contract Amount \$1,672,589.86

Below is a list of projects currently under contract:

Ms. Lisa New Road Commission for Oakland County 31001 Lahser Road Beverly Hills, MI 48025 (248) 645-2000 Northwestern Highway Contract Amount \$2,949,431.30

Mr. Jesus Plasencia Wayne County Dept. of Public Services 33809 Michigan Ave Wayne, MI 48184 (734) 595-6505 Base Line Road Contract Amount \$547,914.41

Mr. Craig Innis MDOT Davison TSC 9495 E Potter Rd Davison, MI 48423 (810) 653-7470 M-57 & I-69 Contract Amount \$655,000.25 Mr. Jim Armbruster Macomb County Department of Roads 117 S Groesbeck Hwy Mt. Clemens, MI 48043-2183 (586) 463-8671 Mound Road Contract Amount \$1,907,066.79

Mr. Roy Rose, P.E. Anderson, Eckstein & Westrick Inc. 51301 Schoenherr Road Shelby Township, MI 48315 (586) 726-1234 Selfridge Air National Guard Base Contract Amount \$2,424,375.00

Mr. Tim Juidici Orchard, Hiltz, & McCliment 34000 Plymouth Rd Livonia, MI 48150 (734) 522-6711 Featherstone Road Contract Amount \$5,719,382.89

Mr. Matt Slicker Hubbell, Roth, & Clark, Inc. 555 Hulet Drive P.O. Box 824 Bloomfield Hills, MI 48303 Evergreen Road North Contract Amount \$2,179,570.35 The corporate officers maintain hands on type operation coupled with excellent office, financial and legal advisors.

PRESIDENT	Angelo S. Lanni	Director of Administration
VICE PRESIDENT	Michael Pittiglio Direct	or of Field Production Operations
ADMINISTRATION	Donald W. Riddell, III	17th Season (43 Years Experience) MBA – Finance and Marketing Wayne State University
<u>CONTROLLER</u>	Doreen Lanni	17th Season (17 Years Experience) BGS – Accounting University of Michigan
ENGINEERS	Steven M. Lampton	Senior Project Manager 22 nd Season (22 Years Experience) B.S. Civil Engineering University of Michigan
	Steven J. Pantaleo	Senior Estimator / Project Manager 20 th Season (20 Years Experience) B.S. Civil Engineering Michigan State University
	Anthony Sarotte, P.E.	Estimator / Project Manager 15 th Season (56 Years Experience) B.S. Civil Engineering University of Detroit
	Duane McIntyre	Asphalt Paving Operations 13 th Season (40 Years Experience)
	Tony A. Cardillo	Project Manager 9 th Season (39 Years Experience)
	Michael V. Pittiglio	Project Manager 8 th Season (8 Years Experience) B.S. Construction Management Michigan State University M.B.A. University of Phoenix

	Steven J. Gregor	Estimator / Project Manager 8th Season (24 Years Experience) B.S. Civil Engineering Wayne State University
	William J. Baker	Estimator 2 nd Season (29 Years Experience) B.S. Civil Engineering University of Wisconsin Platteville
	Jordan Sirhan	Project Manager 1 st Season (3 Years Experience) B.S. Civil Engineering Western Michigan University
	Frank Prano	Estimator / Project Manager 1 st Season (39 Years Experience) B.S. Civil Engineering University of Michigan
SUPERINTENDENTS	Jeff Foltz	35 th Season (41Years Experience)
	Fred Green	6 th Season (31 Years Experience)
	Raymond Czewski	3 rd Season (42 Years Experience)
	Spencer Lemieur	2 nd Season (10 Years Experience)

Florence Cement Company maintains a current Michigan Department of Transportation Prequalification certificate and is fully insured with the agency of Guy Hurley Blaser & Heuer LLC of Troy, Michigan in providing all insurance and bonding needs.

Florence Cement Company's banking relationship for the last 49 years and currently is serviced by Comerica Bank, Florence Cement Company provides an audit financial report prepared by Grant Thornton certified public accountants.

If you should require additional information or wish to discuss any matters concerning our organization, please contact us and we will be pleased to accommodate you.

Sincerely, Florence Cement Company

Angelo S. Lanni President

ID No.	Υr	Make	Model	Purchase	CATEGORY	APPLCATION	CLASS	Description
1		LINCOLN	МХ		Auto	Manager	Transportation	
4	96	Ford		2/15/ 96	Auto	Foreman	Transportation	1996 FORD F-250, 4x4 PICKUP
5		sold 2/15/14		2/28/07	Auto	Manager -	Transportation	2007 FORD F150
7 7		Ford		1/1/05	Auto	Foreman Asphalt Roller	Transportation Asphalt Paving	2005 FORD F150
/2010/9888		Wacker Ford		5/16/00 3/7/07	Roller Auto	Manager	Transportation	1 TON ROLLER 2007 FORD 500
5 12		IHC		3/1/98	Mid-Truck	Dump	Truck	1994 IHC 4900 DUMP TRUCK
25	- 3	Ford		4/1/97	Heavy Truck	Form Truck	Truck	FORD FLAT BED
27		Mack		6/15/96	Heavy Truck	Road Tractor	Truck	MACK TRACTOR
28	86	Ford		1/1/90	Saw Truck	Stake Bed	Truck	FORD F700 SAW TRUCK
30	86	Ford		1/1/90	Water Truck	Stake Bed	Truck	FORD F700 TRUCK
32		Gerard	Trailer		Trailer	Equipment Trailer	Trailer	Gerard Trailer w/ 5tone Cement Mixer
33	10000	Gerard	Trailer		Trailer	Equipment Trailer	Equipment	GERARD EQUIPMENT TRAILER
38		Talbert	the second s	1/1/90	Trailer	Equipment Trailer	Lowboy	TALBERT 40T LOWBOY
40 42		Hyster (to be sold)		1/1/87	Roller	Asphalt Roller Pressure Washer	Roller	HYSTER ROLLER C330A 1988 FORD F4S0 HVY TRKS
42 44		Ford Chevrolet		9/1/94 3/1/97	Mid-Truck Saw Truck	Stake Bed	Truck Truck	1992 CHEVY -C60- SAW TRUCK
46		Нурас		10/4/96	Roller	Asphalt Roller	Equipment	96 HYPAC ROLLER
47		Ford		5/1/98	Mid-Truck	Stake Bed	Truck	1999 FORD - F450
48	••••••	Ford		6/1/99	Pickup	Foreman	Transportation	1999 F250 FORD P/U
49	95	GMC		4/1/00	Mid-Truck	Flat Bed w/ Boom	Truck	1995 GMC FORM TRUCK
50	97	GMC	C6500	2/1/00	Mid-Truck	Flat Bed w/ Rack	Truck	1997 GMC TOOL TRUCK
51		GMC		3/1/00	Mid-Truck	Flat Bed w/ Rack	Truck	1997 GMC TOOL TRUCK
52		GMC		3/1/00	Mechanic Truck	Mechanic	Truck	1995 GMC MECHANICS TRUCK
53	87			1/1/87	Alr Comp	Air Comp	Equipment	INGER RAND P175AWD, 175CFM
53		Ford		4/1/00	Mid-Truck	Epoxy Truck	Truck	1986 FORD PICKUP
54	84			1/1/84	Air Comp	Mounted in D23	Equipment	INGERSOL RAND 175WD, 175CFM
55 56		Atlas Copco Clark		1/1/98 1/1/93	Air Comp Loader	Air Comp Loader	Equipment Equipment	ATLAS XAS90JD AIR 185 CFM CLARK MODEL 55C LOADER
50 57		CAT	· · · · · · · · · · · · · · · · · · ·	1/1/93 5/3/93	Loader	Loader	Equipment	MICHIGAN CAT LOADER REBUILT
59		CAT		11/1/98	Loader	Loader	Equipment	CAT 928F LOADER
60		John Deere		8/1/00	Loader	Loader	Equipment	JOHN DEERE 544H LOADER
67		CAT		3/26/92	Motor Grader	Motor Grader	Equipment	CAT 12G ROAD GRADER
72				5	Tar Kettle	Tar Kettle	Misc Equip	TACK WAGON
72	87	White / GMC	Autocar	1/1/90	Heavy Truck	Road Tractor	Truck	1987 AUTOCAR ROAD TRACTOR
73					Tar Kettle	Tar Kettle	Misc Equip	TACK WAGON
74		Yale			Fork Lift	Yard Machine	Equipment	YALE SHOP FORKLIFT
78					Concrete Mixer	Mounted on #33	Equipment	MUELLER MIXER
79 80		KELLOGG AMERICAN		1/1/79	Shop Air Comp	Mounted in Shop	Shop Equipment	KELLOGG AMER AIR COMP (shop)
82 100		Dave Carren		10/15/96	Water Pump	Form Rider	Faulamont	CENTRIFUGAL PUMP Pav-Saver 2236
100	05	Pav-Saver White / GMC		3/27/01	Paver Heavy Truck	Tractor	Equipment Truck	95 WHITE GMC TRACTOR
101	33	Pav-Saver	Autocai	7/15/96	Paver	Form Rider	Equipment	Pav-Saver 12-20
102	95	White / GMC	Autocar	3/27/01	Heavy Truck	Dump Truck	Truck	WHITE GMC TRI-AXLE DUMP
102	1	Pav-Saver		7/15/96	Paver	Form Rider	Equipment	Pav-Saver MODEL 916-9-18 FT
103	95	Ford	F800	3/27/01	Mid-Truck	Dump Truck	Truck	95 FORD F800 5 Yd DUMP
103	78	Pav-Saver			Paver	Form Rider	Equipment	Pav-Saver 12-24
104	89	Ford	F800 / ETNYRE BXH	4/1/89	Mid-Truck	Tack Truck	Truck	F800 FORD ETNYRE BXHL 1900 GAL TACK DI
104		Pav-Saver		3/1/79	Paver	Form Rider	Equipment	Pav-Saver 22
105		Pav-Saver		1/1/90	Paver	Form Rider	Equipment	1984 Pav-Saver 22-32
106		Ford		6/22/98	Mid-Truck	Flat Bed w/ Rack	Tool Truck	1998 FORD STAKE TRUCK
108	01	CAT		4/15/01	Motor Grader	Motor Grader	Equipment	CAT 12H ROAD GRADER
110 114	07	Raygo		11/13/92	Milling Machine	Milling Machine Equipment Trailer	Equipment	RAYGO BARCO MILL 100 SINGLE AXLE TRAILER
114		Assembled Hitachi	EX100WD	1/1/1992 1/1/90	Trailer Wheel Excavator	Wheel Excavator	Trailer Equipment	1989 HITACHI EXCAVATOR
115		Talbert		10/8/92	Trailer	Equipment Trailer	Trailer	TAG TRAILER
115		CMI		1/1/90	Trimmer	Trimmer	Equipment	CMI TR-225 TRIMMER
117	97	Etnyre		3/27/01	Trailer	Low-Boy Trailer	Trailer	97 ENTRYE 50T LOWBOY TRAILER
117		CAT	D6H	4/15/96	Dozer	Dozer	Equipment	CAT D6H LGP
118		Etnyre		3/27/01	Trailer	Equipment Trailer	Trailer	96 ENTRYE 20T TILT TRAILER
119	91	CAT		6/15/91	Dozer	Dozer	Equipment	CAT D3C TRACTOR
119		Hudson	Trailer		Trailer	Utility Trailer	Trailer	
121			Trailer	a 1. 15 -		Landscape Trailer		
122		CAT		6/1/95	Loader	Loader	Equipment	CAT 938F WHEEL LOADER
123		CAT	955L	1/1/90	Loader Motor Crador	Track Loader Motor Crador	Equipment	CAT 955L CRAWL/LOAD
125 128		CAT CAT	12G 613B	1/1/90 1/1/90	Motor Grader Scraper	Motor Grader Scraper	Equipment Equipment	CAT 12G GRADER CAT 613B SCRAPER
128	00	ARROW	HG1250	*1 *1 30	Concrete Breaker	Concrete Breaker	Equipment	ARROW BREAKER
133	(AMIDA	15LA	1/1/98	Arrow Board	Arrow Board	Equipment	AMIDA ODLESE15LA ARROW BOARD
137	-	Arrow	HJ1250R	4/15/91	Concrete Breaker	Concrete Breaker	Equipment	ARROW PAVEMENT BREAKER
139	73	IH		1/1/90	Loader	Track Loader	Equipment	1973 IHC CRAWL/LOAD
140		CASE	580SK	10/15/96	Backhoe	Loader / Backhoe	Equipment	1990 CASE 580 SUPER K LOADER BACKHOE
141	96	CAT	928F	1/1/97	Loader	Loader	Equipment	CAT-928F-WHEEL LOADER
142		CAT	322L	1/1/97	Excavator	Track Excavator	Equipment	CAT-322L-EXCAVATOR
143		CAT	CS433	1/1/97	Roller	Compactor Roller	Equipment	CAT CS433 VIBRATORY COMPACTOR
146		CAT	416C	12/13/99	Backhoe	Loader / Backhoe	Equipment	CAT 416C Backhoe
146		Komatsu		5/1/98	Excavator	Wheel Excavator	Equipment	KOMATSU EXCAVATOR
147		Komatsu		6/1/99	Loader	Loader	Equipment	KOMATSU WA400 LOADER
148	99	CAT	D4C	1/1/00	Dozer Drasm Traster	Dozer	Equipment	CAT D4C 4PLGP
149 152		John Deere Hitachi	1050 EX100WD-3	3/8/05 9/1/00	Broom Tractor	Broom Wheel Excavator	Equipment	JOHN DEERE 1050 SWEEPER
152 153	+	Hitachi CASE	584E	9/1/00 5/3/01	Excavator Fork Lift	Yard Machine	Equipment Equipment	HITACHI EX100WD-3 CASE 584E FORKLIFT
153 179	90	John Deere		3/26/01	Broom Tractor	Broom	Equipment	JOHN DEERE JD5310 TRACTOR
175 180		John Deere John Deere		7/15/90	Broom Tractor	Broom	Equipment	JD DIESEL TRACTOR
186		Bomag	BW90D	4/1/01	Asphalt Roller	Asphalt	Equipment	BOMAG 9AS 5-8 TON ROLLER
204	1				Misc Equip	Pin Puller	Field Tools	PIN PULLER
215	95	Chevrolet	C2500	6/20/95	Pickup	Foreman	Transportation	1995 CHEVROLET PICKUP
		Ford	F350	3/8/96	Truck	Mechanic	Truck	94 FORD MECHANIC TRUCK

ID No.	Yr	Make	Model	Purchase	CATEGORY	APPLCATION	CLASS	Description
237	1				Concrete Saw	Up-Cut Saw	Field Tools	CONCRETE SAW W/13 HP HONDA MOTO
250					Single Drill	Dowell Machine	Equipment	DRILL
252		qood	· • · · · · · · · · · · · · · · · · · ·		Arrow Board	Arrow Board	Equipment	ARROW BAR
		C					· · · · · · · · · · · · · · · · · · ·	
68	94	Cimline	-		Tar Kettle	Tar Kettle	Equipment	CIMLINE TAR KETTLE
69			Bunyan		Roller Screed	Roller Screed	Field Tools	SPEED SCREED
71	88	IR	P185DWJD	6/1/97	Air Comp	mounted on 1500	Equipment	185CFM DIESEL COMPRESSOR
80		IR	P185DWJD			mounted on 2302		
83		Epoxy Machine	5 GAL PAILS		Epoxy Machine	Mount on #53	Field Tools	EPOXY MACHINE ON #53
84	78	Sullair			Air Comp			SULLAIR COMPRESSOR-OLD
85		Woodings	DP-5	10/1/97	Gang Drill	Dowell Machine	Equipment	WOODINGS HYD DOWEL PAK
86		Magnum	Buckshot H13UC	10/1/3/	Concrete Saw	Up-Cut Saw	Field Tools	MAGNUM UPCUT SAW
					Air Comp			
89		SPEED AIRE	R-15		\$	Mount on #53	Field Tools	AIR COMPRESSOR
91		Grimmer Schmidt	100	5/1/98	Air Comp	Mount on #1905	Field Tools	SKID MOUNT AIR COMPRESS-100CFM
98		good		8/1/98	Arrow Board	Arrow Board	Equipment	SOLAR ARROW BAR W/TRAILER
99					Plate Compactor			COMPACTOR
00			í.		Gang Drill	Dowell Machine	Equipment	DRILL RIG 250
02		Weatherhead		7/19/99	Shop Equip			WETHERHEAD HOSE PRESS
04		Sullivan	D375Q7JD	4/1/00	Air Comp	Mount on #114	Equipment	SULLIVAN AIR COMPRESSOR
5		E Z Drill		4/1/00	Gang Drill	Dowell Machine	Equipment	E Z DRILL
) 7		Sullivan (scrap)	D185QJD5	5/1/00	Scrapped	Scrapped	Equipment	AIR COMPRESSOR
)8		Allen	Razor Back	5/1/00	Paver	Roller Screed	Field Tools	ROLLER SCREED
		president and the second se	Razur Dack		\$1	and the state of a second s	at a second s	
)9	إ	Epoxy Machine		7/1/00	Epoxy Machine	Mount on #1904	Field Tools	EPOXY MACHINE ON #1904
10		E Z Drill			Gang Drill	Dowell Machine	Equipment	EZ DRILL
[1		Target	PRO65 III	7/1/00	Concrete Saw	Damaged	Equipment	TARGET SAW
12		Epoxy Machine			Epoxy Machine	Mount on #1917	Field Tools	EPOXY MACHINE ON #1917
13		Target	PRO65 III	7/1/00	Concrete Saw	Concrete Saw	Equipment	TARGET SAW
14	98	Chevrolet	2500	6/17/98	Pickup	Foreman	Transportation	1998 CHEVY WHITE PICKUP
[4	1	Bunyan		7/25/00	Roller Screed	Roller Screed	Field Tools	BUNYAN POWER SCREED
15	90	Ford F250	 	6/17/98	Pickup	Foreman	Transportation	1999 FORD PICKUP
15	177	DS BROWN JOINT	······	~~~~		, arcmall		Neoprene Machine
		D2 BROWN JOINT	· · · · · · · · · · · · · · · · · · ·					inconcine mediline
16								
17								
18								
19		Epoxy Machine			Epoxy Machine	Mount on #1300	Field Tools	EPOXY MACHINE ON #1300
20		Epoxy Machine		7/1/00	Epoxy Machine	Mount on #1905	Field Tools	EPOXY MACHINE ON #1905
21		R & M 5-TON OVERH	EAD TRAVELING TH	IN BEAM				
		and for a stand out in the	T					
10	01	CAT	C5563-C	12/16/02	Roller	Compactor Roller	Equipment	CAT CS563C ROLLER
20		BARTMILL	BM-150-C	12/16/02	Milling Machine	Milling Machine	Equipment	BARTMILL 150C MINI MILL
	-		and another that the second					
01		Heltzel	900 C	6/1/99	Plant	Batcher	Equipment	HELTZEL 900 C PLANT
01A		Heitzel	900 Hopper		Plant	Aggregate Bins	Equipment	Heltzel Plant Aggregate Bins
)2		Heltzel	9 yard	6/1/99	Plant	Mixer Drum	Equipment	HELTZEL MIXER
)3		CAT	3406TA	6/1/99	Plant	Generator	Equipment	CAT GENERATOR SET 365KW
11		Heltzel	SBS 10	6/1/99	Plant	Batcher	Equipment	HELCO SBS 10 PLANT
12	05	Heltzel	9 yard	6/1/99	Plant	Mixer Drum	Equipment	HELTZER MIXER
13		CAT	3406TA	6/1/99	Plant	Generator	Equpment	CAT GENERATOR SET 365KW
21	79	Heltzel	902TA	8/7/12	Plant	Batcher		Heltzel 902TA Plant
21A	na far sa sa f	Heltzel	2 Compartment	8/7/12	Plant	Aggregate Bins	Equipment	Heltzel 902 Plant Aggregate Bins
		The second			\$			
22		Heltzel	10yd Mixer	8/7/12	Plant	Mixer Drum	Equipment	Heltzel 10yd Mixer Drum
23	_	CAT	3406TA	8/7/12	Plant	Generator	Plant	CAT GENERATOR SET 365KW
31			1000B		Plant	Batcher	Equipment	
31A		Heltzel	1000 Hopper					
32		Heltzel	9yd Mixer Drum					
41		Heltzel	CM2-1000	1	Plant	Batcher	Equipment	PLANT
11A		Heltzel	1000 Hopper		Plant	Aggregate Bins		Heltzel Plant Aggregate Bins
12		Heltzel	9yd Mixer Drum	1	Plant	Mixer Drum	Equipment	MIXER DRUM
13	· • • • • • • • • •	CAT	SR4 3408 ENGINE	f	Plant	Generator	Equipment	CAT GENERATOR SET 400KW
The set of the set		the second second second second second	SIGT STUD CINUINE	7/1/00	and a second sec		and the second of the second	to all and and a first of the state to see a set to the second second second second second second second second
1	/5	Markline		2/1/99	Plant	Control Trailer	Trailer	22' CONTROL TRAILER for 701 plant
)2	- 		f	2/1/99	Plant	Flat Bed Plate Trir	Trailer	40' FLAT BED TRAILER
)3				2/1/99	Plant	Gen Set Trailer	Trailer	ADD MIX & GEN SET TRAILER
1	99	TSI		3/1/99	Plant	Control Trailer	Trailer	20' CONTROL TRAILER
12	74	Fruehauf		2/1/99	Plant	Plate Trailer	Trailer	40' FLAT BED TRAILER
13		Dorsey		2/1/99	Plant	Gen Set Trailer	Trailer	AD/MIX GEN SET TRAILER (713)
4		Fruehauf]	2/1/00	Plant	Plate Trailer	Trailer	40' FLATBED TRAILER
15		Fontaine	1				,	40' FLATBED TRAILER
21	· • • •	Fruehauf	1				1	40' CONTROL TRAILER
		a second s	h	8/7/13	Diset	Generator T-allor	Tepilor	
22	/2	Trailmobile		8/7/12	Plant	Generator Trailer	Trailer	28' GEN SET TRAILER
23						A		
31					Plant	Control Trailer	Trailer	20' conTROL TRAILER for 711 plant
32		McDonald						20' conTROL TRAILER for 731 plant
33	1	Trailmobile	L		Plant	Gen Set Trailer	Trailer	TRAILMOBILE 53' VAN TRAILER
11	94	Fontaine	1]	Plant	Plate Trailer	Trailer	Flat Bed Trailer
12				1	Plant	Control Trailer	Trailer	20' Control TRAILER for 741 plant
13	96	Utility			Plant	Gen Set Trailer	Trailer	53' Trailer
<u></u>	10				, , , , , , , , , , , , , , , , , , , ,	warrows, (1990a)	.,	
			+	<u>↓</u>	h		÷	
			· [+	··· • • · · · · · · · · · · · · · · · ·
	1		-	7/1/00				
00		Mack	DM686SX	2/1/99	Mixer Truck	Mixer Truck	Truck	1984 MACK MIXER
)1	86	Mack	DM685S	2/1/99	Mixer Truck	Mixer Truck	Truck	1986 MACK MIXER
)2	90	Mack	DM600GK	2/1/99	Mixer Truck	Mixer Truck	Truck	1990 MACK MIXER
3	91		DM600GK	2/1/99	Mixer Truck	Mixer Truck	Truck	1991 MACK MIXER
)4		Mack	DM600GK	2/1/99	Agitor Truck	Agitor	Truck	1993 MACK MIXER
)5		Mack	DM685S	7/1/99	Agitor Truck	Agitor	Truck	1986 MACK MIXER
		and a second			······································			
)6		Mack	DM685S	7/1/99	Agitor Truck	Agitor	Truck	1985 MACK MIXER
)7		Mack	DM685S	7/1/99	Agitor Truck	Agitor	Truck	1983 MACK MIXER
~~	88	Mack	DM690S	5/1/00	Agitor Truck	Agitor	Truck	1988 MACK MIXER
38			DM690S	5/1/00	Agitor Truck	Agitor	Truck	1988 MACK MIXER
	88	MOLK						
08 09 10		White / GMC	Autocar	3/9/11	Agitor Truck	Agitor	Truck	1991 Autocar MIXER

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ID No. 912 913	· Yr			Barris I.	CARE CODV	I DDI GARTON	CL 1 2 2	Page 1 11
		Make	Model	Purchase	CATEGORY	APPLCATION	CLASS	Description
913	99	MACK AGITOR	DM690S		Agitor Truck	Agitor		1999 Autocar MIXER
	99	MACK AGITOR	DM690S		Agitor Truck	Agitor		1991 Autocar MIXER
914	00	MACK AGITOR	DM690S		Agitor Truck	Agitor		1991 Autocar MIXER
915		MACK AGITOR	DM690S		Agitor Truck	Agitor		1991 Autocar MIXER
916		MACK AGITOR	DM690S		Agitor Truck	Agitor		1991 Autocar MIXER
917	e denner e	MACK AGITOR	DM690S		Agitor Truck	Agitor		1991 Autocar MIXER
918	02	MACK AGITOR	DM690S		Agitor Truck	Agitor		1991 Autocar MIXER
984	80	Great Dane		2/1/99	Plant	Plate Trailer	Trailer	STORAGE TRAILER
1000								
		C	5350	4/33/03	Dialasa		T	
1001	and second second	Ford	F250	4/22/03	Pickup	Foreman	Transportation	2003 F250 PICKUP
1002	06	Ford	F250	4/16/10	Pickup	Foreman	Transportation	2006 F250 PICKUP
1003	07	Ford	F250	3/12/07	Pickup	Foreman	Transportation	2007 FORD F250
1004		Ford	F250	3/12/07	Pickup	Foreman	Transportation	2007 FORD F250
	1.1.1.1.1.1.1	gent is an ensurementation of a second secon		5/12/07		· · · · · · · · · · · · · · · · · · ·		
1006		Ford	F250		Pickup	Foreman	Transportation	2008 F250 PICKUP
1007		Ford	F250		Pickup	Foreman	Transportation	2001 F250 PICKUP
1008	00	Chevrolet	C2500	4/16/10	Pickup	Foreman	Transportation	2000 2500 CHEVY PICKUP
1009	00	Chevrolet	C2500		Pickup	Foreman	Transportation	2000 SILVERADO 2500 PICKUP
1010		Ford	F150 4X4		Pickup	Foreman	Transportation	2011 F150 Larlet
	- <u>-</u>	1	Second According to the second	C 10 14 4				
1011		Ford	F250	6/9/11	Pickup	Foreman	Transportation	2006 FORD PICKUP
1012	05	Ford	F250		Pickup	Foreman	Transportation	2005 FORD F250 4X4
1013	06	GMC	Sierra C1500	7/12/11	Pickup	Foreman	Transportation	2006 Chevy 1500 Pickup
1014		Chevrolet	C2500	8/16/12	Pickup	Foreman	Transportation	2001 Chevy 2500 Pickup w/ fuel tank
		(4.1.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4						
1015		Chevrolet	C2500	8/16/12	Pickup	Foreman	Transportation	2003 Chevy 2500 Pickup
1016		Ford	F150 4X4		Pickup	Supervisor	Transportation	2013 F150 4X4 Ext Cab Pickup
1017	13	Ford	F150 4X4		Pickup	Supervisor	Transportation	2013 F150 4X4 Ext Cab Pickup
1018		Ford	F350 4X4	1	Pickup	Foreman	Transportation	2003 F350 4X4 Pickup
1019		Ford	F150 4X4		Pickup	Supervisor	Transportation	
		for the second s		h				2013 F150 4X4 Ext Cab Pickup
1020	11.00.000	Ford	F250 PKUP		Pickup	Foreman	Transportation	2014 FORD F250 PKUP
1021	14	Ford	F250 PKUP	L	Pickup	Foreman	Transportation	2014 FORD F250 PKUP
1022	13	Ford	F150 EXT CAB PKU	P	Pickup	Supervisor	Transportation	2013 FORD F150 EXT CAB PKUP
1023		Ford	F250 PKUP	[Pickup	Foreman	Transportation	2014 FORD F250 PKUP
		\$10,000 million and \$1,000 million and \$1,000 million and	F250 4X4 PKUP	-		· · · · · · · · · · · · · · · · · · ·	- and region of the contract of the second s	
1024	11 M M M	Ford	· · · · · · · · · · · · · · · · · · ·		Pickup	Foreman	Transportation	2014 FORD F250 4X4 PKUP
1300		Ford	F800	5/23/01	Mid-Truck	Dump Truck	Truck	95 FORD F800 DUMP TRUCK
1301	04	CHEVY	3500		Mid-Truck	DUMP	TRUCK	3500 4X4 CHEVY DUMP
1500	96	GMC	Top Kick	4/16/03	Mid-Truck	Flat Bed w/ Air Comp	Truck	98 GMC TAR TRUCK
1501		FORD	F650		Mid-Truck	Tool Truck	Truck	TOOL TRUCK (STAKE BED)
				44540		4		
1502		FORD	F600	4/15/10	Mid-Truck	Tool Truck	Truck	TOOL TRUCK (STAKE BED)
1503	88	INT	S1954			Stake Bed Truck	Truck	TOOL TRUCK (STAKE BED)
1506	02	GMC	C6500 KODIAC	8/7/2012	2	Tool Truck	Truck	TOOL TRUCK (STAKE BED)
1507	93	GMC	C7500 KODIAC	8/7/2012	3	Form Truck	Truck	FORM TRUCK w/ JIB
1508		INT			· · · · · · · · · · · · · · · · · · ·		Truck	ETNYRE TACK TRUCK (S5896)
1601		CHEVY	EXPRESS		auto	Passenger Van	Transportation	PASSENGER VAN
1602	07	FORD	EXPLORER	12/22/10	auto	Project Manager	Transportation	SUV
1700		Trailer			Trailer	Storage	Trailer	FRUEHAUF STORAGE TRAILER
1701	-	Trailer			Trailer	Storage	Trailer	FRUEHAUF STORAGE TRAILER
1702		Haulmark	Van/Utility	7/13/04	Trailer	Ride Buggy	Trailer	HAULMARK TRAILER FOR RIDE BUGGY
							and the second s	
1703	89	Stoughton	Van/storage	12/5/07	Trailer	Storage	Trailer	89 53' VAN Trailer
1704					Field Box	Storage Container		
1705	1				Field Box	Storage Container		
1706				1	Field Box	Storage Container		
1707				1	Field Box	Storage Container		
		FREUHAUF	DUMP		Trailer	Dump Trailer	Trailer	27 FOOT QUAD AXLE DUMP
1708		Optical Laser w/ Corr	nputer					
1708	; 11							
1801		GPS Unit				· · · · · · · · · · · · · · · · · · ·		
1801 1802	11	GPS Unit	DCHW-E-25005				Chon	
1801 1802 1803	11	LANDA	PGHW-5-3500E	1/12/12	SHOP TOOLS	Pressure Washer	Shop	PORTABLE HOT PRESSURE WASHER
1801 1802 1803 1804	11		PGHW-5-3500E AL4060D-4MH	1/12/12	SHOP TOOLS	Pressure Washer	Shop	LIGHT PLANT
1801 1802 1803	11	LANDA	· · · · · · · · · · · · · · · · · · ·			Pressure Washer	Shop	***************************************
1801 1802 1803 1804	11	landa Amida	AL4060D-4MH			Pressure Washer	Shop	LIGHT PLANT
1801 1802 1803 1804 1805 1806	11	LANDA	· · · · · · · · · · · · · · · · · · ·	1/12/12 3/31/14	SHOP TOOLS		FOUNDUCET	LIGHT PLANT LIGHT PLANT MAGNUM LIGHT PLANT
1801 1802 1803 1804 1805 1806 1807	11	landa Amida	AL4060D-4MH				FOUNDUCET	LIGHT PLANT LIGHT PLANT MAGNUM LIGHT PLANT LIGHT PLANT
1801 1802 1803 1804 1805 1806 1807 1808	11 11	LANDA AMIDA MAGNUM	AL4060D-4MH MLT3060	3/31/14	FIELD EQUIPMENT	LIGHT PLANT	EQUIPMENT	LIGHT PLANT LIGHT PLANT MAGNUM LIGHT PLANT LIGHT PLANT LIGHT PLANT
1801 1802 1803 1804 1805 1806 1807 1808 1900	11 11 98	LANDA AMIDA MAGNUM Chevrolet	AL4060D-4MH MLT3060 Flat Bed w/ Air Con	3/31/14 13/21/02	FIELD EQUIPMENT Mid-Truck	LIGHT PLANT Flat Bed w/ Air Comp	EQUIPMENT	LIGHT PLANT LIGHT PLANT LIGHT PLANT LIGHT PLANT LIGHT PLANT JIGHT PLANT 98 CHEVY FLAT BED
1801 1802 1803 1804 1805 1806 1807 1808 1900 1901	11 11 98 90	LANDA AMIDA MAGNUM Chevrolet IH	AL4060D-4MH MLT3060	3/31/14 13/21/02 9/6/02	FIELD EQUIPMENT Mid-Truck Mid-Truck	LIGHT PLANT Flat Bed w/ Air Comp Water Truck	EQUIPMENT Utility Truck	LIGHT PLANT LIGHT PLANT LIGHT PLANT LIGHT PLANT LIGHT PLANT 98 CHEVY FLAT BED IHC 4000gal WATER TRUCK
1801 1802 1803 1804 1805 1806 1807 1808 1900	11 11 98 90	LANDA AMIDA MAGNUM Chevrolet	AL4060D-4MH MLT3060 Flat Bed w/ Air Con IH Tank	3/31/14 13/21/02	FIELD EQUIPMENT Mid-Truck	LIGHT PLANT Flat Bed w/ Air Comp	EQUIPMENT	LIGHT PLANT LIGHT PLANT LIGHT PLANT LIGHT PLANT LIGHT PLANT JIGHT PLANT 98 CHEVY FLAT BED
1801 1802 1803 1804 1805 1806 1807 1808 1900 1901	11 11 98 90 94	LANDA AMIDA MAGNUM Chevrolet IH	AL4060D-4MH MLT3060 Flat Bed w/ Air Con	3/31/14 13/21/02 9/6/02	FIELD EQUIPMENT Mid-Truck Mid-Truck	LIGHT PLANT Flat Bed w/ Air Comp Water Truck	EQUIPMENT Utility Truck	LIGHT PLANT LIGHT PLANT LIGHT PLANT LIGHT PLANT LIGHT PLANT 98 CHEVY FLAT BED IHC 4000gal WATER TRUCK
1801 1802 1803 1804 1805 1806 1807 1808 1900 1901 1902 1903	11 11 98 90 94 98	LANDA AMIDA MAGNUM Chevrolet IH Ford 19000 GMC	AL4060D-4MH MLT3060 Flat Bed w/ Air Con IH Tank C6500	3/31/14 13/21/02 9/6/02 9/6/02 4/16/03	FIELD EQUIPMENT Mid-Truck Mid-Truck Mid-Truck Mid-Truck	LIGHT PLANT Flat Bed w/ Air Comp Water Truck Water Truck Saw Truck	EQUIPMENT Utility Truck Truck Truck	LIGHT PLANT LIGHT PLANT MAGNUM LIGHT PLANT LIGHT PLANT UGHT PLANT 98 CHEVY FLAT BED JHC 4000gal WATER TRUCK PORD 2600G WATER TRUCK 98 GMC SAW TRUCK
1801 1802 1803 1804 1805 1806 1807 1808 1900 1901 1902 1903 1904	11 11 98 90 94 98 95	LANDA AMIDA MAGNUM Chevrolet TH Ford L9000 GMC GMC	AL4060D-4MH MLT3060 Flat Bed w/ Air Con IH Tank C6500 W4 Forward	3/31/14 13/21/02 9/6/02 9/6/02	FIELD EQUIPMENT Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck	LIGHT PLANT Flat Bed w/ Air Comp Water Truck Water Truck Saw Truck Epoxy Truck	EQUIPMENT Utility Truck Truck Truck Truck	LIGHT PLANT LIGHT PLANT MAGNUM LIGHT PLANT LIGHT PLANT UIGHT PLANT 98 CHEVY FLAT BED IHC 4000gal WATER TRUCK FORD 2600G WATER TRUCK 99 GMC SAW TRUCK 95 GMC W4 FORWARD EPOXY TRUCK
1801 1802 1803 1804 1805 1806 1807 1808 1900 1901 1902 1903 1904 1905	11 11 98 90 94 98 95 01	LANDA AMIDA MAGNUM Chevrolet IH Ford L9000 GMC GMC ISUZU	AL4060D-4MH MLT3060 Flat Bed w/ Air Con IH Tank C6500 W4 Forward NPR Tilt Cab	3/31/14 13/21/02 9/6/02 9/6/02 4/16/03 4/15/05	FIELD EQUIPMENT Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck	LIGHT PLANT Flat Bed w/ Air Comp Water Truck Water Truck Saw Truck Epoxy Truck Epoxy Truck	EQUIPMENT Utility Truck Truck Truck Truck Truck	LIGHT PLANT LIGHT PLANT MAGNUM LIGHT PLANT LIGHT PLANT 98 CHEVY FLAT BED IHC 4000gal WATER TRUCK FORD 2600G WATER TRUCK 98 GMC SAW TRUCK 95 GMC W4 FORWARD EPOXY TRUCK 01 ISUZU EPOXY TRUCK
1801 1802 1803 1804 1805 1806 1807 1808 1900 1901 1902 1903 1904 1905 1906	11 11 98 90 94 98 95 01 96	LANDA AMIDA MAGNUM Chevrolet IH Ford L9000 GMC GMC ISUZU Chevrolet	AL4060D-4MH MLT3060 Flat Bed w/ Air Con IH Tank C6500 W4 Forward NPR Tilt Cab 3500 4X4	3/31/14 9/6/02 9/6/02 4/16/03 4/15/05 4/25/06	FIELD EQUIPMENT Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck	LIGHT PLANT Flat Bed w/ Air Comp Water Truck Water Truck Saw Truck Epoxy Truck Epoxy Truck Epoxy Truck Flat Bed w/ Cure Spray	EQUIPMENT Truck Truck Truck Truck Truck Truck Truck Truck	LIGHT PLANT LIGHT PLANT MAGNUM LIGHT PLANT LIGHT PLANT LIGHT PLANT 98 CHEVY FLAT BED JHC 4000gal WATER TRUCK 99 GMC SAW TRUCK 95 GMC W4 FORWARD EPOXY TRUCK 1996 CHEVY STAKE TRUCK
1801 1802 1803 1804 1805 1806 1807 1808 1900 1901 1902 1903 1904 1905	11 11 98 90 94 98 95 01 96	LANDA AMIDA MAGNUM Chevrolet IH Ford L9000 GMC GMC ISUZU	AL4060D-4MH MLT3060 Flat Bed w/ Air Con IH Tank C6500 W4 Forward NPR Tilt Cab	3/31/14 13/21/02 9/6/02 9/6/02 4/16/03 4/15/05	FIELD EQUIPMENT Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck	LIGHT PLANT Flat Bed w/ Air Comp Water Truck Water Truck Saw Truck Epoxy Truck Epoxy Truck	EQUIPMENT Utility Truck Truck Truck Truck Truck	LIGHT PLANT LIGHT PLANT MAGNUM LIGHT PLANT LIGHT PLANT 98 CHEVY FLAT BED IHC 4000gal WATER TRUCK FORD 2600G WATER TRUCK 98 GMC SAW TRUCK 95 GMC W4 FORWARD EPOXY TRUCK 01 ISUZU EPOXY TRUCK
1801 1802 1803 1804 1805 1806 1807 1808 1900 1901 1902 1903 1904 1905 1906 1907	11 11 98 90 94 98 95 01 96 96	LANDA AMIDA MAGNUM Chevrolet IH Ford L9000 GMC GMC ISUZU Chevrolet Kenworth	AL4060D-4MH MLT3060 Flat Bed w/ Air Con IH Tank C6500 W4 Forward NPR Tilt Cab 3500 4X4 T-800	3/31/14 9/6/02 9/6/02 4/16/03 4/15/05 4/25/06	FIELD EQUIPMENT Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck	LIGHT PLANT Flat Bed w/ Air Comp Water Truck Water Truck Saw Truck Epoxy Truck Epoxy Truck Epoxy Truck Flat Bed w/ Cure Spray	EQUIPMENT Utility Truck Truck Truck Truck Truck Truck Truck Truck	LIGHT PLANT LIGHT PLANT MAGNUM LIGHT PLANT LIGHT PLANT LIGHT PLANT 98 CHEVY FLAT BED JHC 4000gal WATER TRUCK 99 GMC SAW TRUCK 95 GMC W4 FORWARD EPOXY TRUCK 1996 CHEVY STAKE TRUCK
1801 1802 1803 1804 1805 1806 1807 1808 1900 1900 1901 1902 1903 1904 1905 1906 1907 1908	11 11 98 90 94 98 95 01 96 96 91	LANDA AMIDA MAGNUM Chevrolet IH Ford 19000 GMC GMC GMC Chevrolet Kenworth GMC	AL4060D-4MH MLT3060 Flat Bed w/ Air Con IH Tank C6500 W4 Forward NPR Tilt Cab 3500 4X4 T-800 Top Kick	3/31/14 9/6/02 9/6/02 4/16/03 4/15/05 4/25/06	FIELD EQUIPMENT Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Heavy Truck Mid-Truck	LIGHT PLANT Flat Bed w/ Air Comp Water Truck Water Truck Saw Truck Epoxy Truck Epoxy Truck Flat Bed w/ Cure Spray Tractor Mechanic	EQUIPMENT Utility Truck Truck Truck Truck Truck Truck Truck Truck Truck	LIGHT PLANT LIGHT PLANT MAGNUM LIGHT PLANT LIGHT PLANT LIGHT PLANT 98 CHEVY FLAT BED IHC 4000gal WATER TRUCK FORD 2600G WATER TRUCK 99 GMC SAW TRUCK 95 GMC W4 FORWARD EPOXY TRUCK 01 ISUZU EPOXY TRUCK 1996 CHEVY STAKE TRUCK KENWORTH ROAD TRACTOR
1801 1802 1803 1804 1805 1806 1807 1808 1900 1901 1902 1903 1904 1905 1906 1907 1908	11 11 98 90 94 98 95 01 96 96 91 99	LANDA AMIDA MAGNUM Chevrolet TH Ford L9000 GMC GMC GMC Chevrolet Kenworth GMC FORD	AL4060D-4MH MLT3060 Flat Bed w/ Air Con IH Tank C6500 W4 Forward NPR Tilt Cab 3500 4X4 T-800 Top Kick F550	3/31/14 9/6/02 9/6/02 4/16/03 4/15/05 4/25/06	FIELD EQUIPMENT Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Heavy Truck Mid-Truck Mid-Truck Mid-Truck	LIGHT PLANT Flat Bed w/ Air Comp Water Truck Water Truck Epoxy Truck Epoxy Truck Epoxy Truck Flat Bed w/ Cure Spray Tractor Mechanic Mechanic	EQUIPMENT Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck	LIGHT PLANT LIGHT PLANT MAGNUM LIGHT PLANT LIGHT PLANT UGHT PLANT 98 CHEVY FLAT BED 11C4 4000391 WATER TRUCK FORD 2600G WATER TRUCK 99 GMC SAW TRUCK 95 GMC W4 FORWARD EPOXY TRUCK 1996 CHEVY STAKE TRUCK KENWORTH ROAD TRACTOR F550 MECHANIC BOX W/ CRANE
1801 1802 1803 1804 1805 1806 1807 1808 1900 1901 1902 1903 1904 1905 1906 1907 1908 1909 1909	11 11 98 90 94 98 95 01 96 96 91 99 97	LANDA AMIDA MAGNUM Chevrolet IH Ford L9000 GMC GMC ISUZU Chevrolet Kenworth GMC FORD FORD	AL4060D-4MH MLT3060 Flat Bed w/ Air Con IH Tank C6500 W4 Forward NPR Tilt Cab 3500 4X4 T-800 Top Kick F550 F450	3/31/14 9/6/02 9/6/02 4/16/03 4/15/05 4/25/06	FIELD EQUIPMENT Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Heavy Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck	LIGHT PLANT Flat Bed w/ Air Comp Water Truck Water Truck Saw Truck Epoxy Truck Epoxy Truck Flat Bed w/ Cure Spray Tractor Mechanic Mechanic Mechanic	EQUIPMENT Utility Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck	LIGHT PLANT LIGHT PLANT MAGNUM LIGHT PLANT LIGHT PLANT LIGHT PLANT 98 CHEVY FLAT BED JHC 4000gal WATER TRUCK 98 GMC SAW TRUCK 95 GMC VA FORWARD EPOXY TRUCK 99 GMC SAW TRUCK 1996 CHEVY STAKE TRUCK 1996 CHEVY STAKE TRUCK KENWORTH ROAD TRACTOR F550 MECHANIC BOX W/ CRANE F450 MECHANIC BOX
1801 1802 1803 1804 1805 1806 1807 1808 1900 1901 1900 1901 1903 1904 1905 1906 1907 1908 1909 1909 1909	11 11 98 90 94 98 95 01 96 96 96 91 99 97 00	LANDA AMIDA MAGNUM Chevrolet IH Ford L9000 GMC GMC GMC Chevrolet Kenworth GMC FORD FORD FORD FORD	AL4060D-4MH MLT3060 Flat Bed w/ Air Con IH Tank C6500 W4 Forward NPR Tilt Cab 3500 4X4 T-800 Top Kick F550 F450 F450	3/31/14 9/6/02 9/6/02 4/16/03 4/15/05 4/25/06	FIELD EQUIPMENT Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck	LIGHT PLANT Flat Bed w/ Air Comp Water Truck Water Truck Epoxy Truck Epoxy Truck Flat Bed w/ Cure Spray Tractor Mechanic Mechanic Mechanic Stake Bed	EQUIPMENT Utility Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck	LIGHT PLANT LIGHT PLANT MAGNUM LIGHT PLANT LIGHT PLANT LIGHT PLANT UGHT VEANT 98 CHEVY FLAT BED 1HC 4000gal WATER TRUCK 98 GMC SAW TRUCK 99 GMC SAW TRUCK 99 GMC VAI FORWARD EPOXY TRUCK 01 ISUZU EPOXY TRUCK 1996 CHEVY STAKE TRUCK KENWORTH ROAD TRACTOR F550 MECHANIC BOX W/ CRANE F450 MECHANIC BOX F450 STAKE BED
1801 1802 1803 1804 1805 1806 1807 1808 1900 1901 1902 1903 1904 1905 1906 1907 1908 1909 1909	11 11 98 90 94 98 95 01 96 96 96 91 99 97 00	LANDA AMIDA MAGNUM Chevrolet IH Ford L9000 GMC GMC ISUZU Chevrolet Kenworth GMC FORD FORD	AL4060D-4MH MLT3060 Flat Bed w/ Air Con IH Tank C6500 W4 Forward NPR Tilt Cab 3500 4X4 T-800 Top Kick F550 F450	3/31/14 9/6/02 9/6/02 4/16/03 4/15/05 4/25/06	FIELD EQUIPMENT Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Heavy Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck	LIGHT PLANT Flat Bed w/ Air Comp Water Truck Water Truck Saw Truck Epoxy Truck Epoxy Truck Flat Bed w/ Cure Spray Tractor Mechanic Mechanic Mechanic	EQUIPMENT Utility Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck	LIGHT PLANT LIGHT PLANT MAGNUM LIGHT PLANT LIGHT PLANT LIGHT PLANT 98 CHEVY FLAT BED JHC 4000gal WATER TRUCK 98 GMC SAW TRUCK 95 GMC VA FORWARD EPOXY TRUCK 99 GMC SAW TRUCK 1996 CHEVY STAKE TRUCK 1996 CHEVY STAKE TRUCK KENWORTH ROAD TRACTOR F550 MECHANIC BOX W/ CRANE F450 MECHANIC BOX
1801 1802 1803 1804 1805 1806 1807 1900 1901 1902 1903 1904 1905 1906 1907 1908 1909 1910 1911 1911	11 11 98 90 94 98 95 01 96 96 96 91 99 97 00 98	LANDA AMIDA MAGNUM Chevrolet IH Ford L9000 GMC GMC FORD FORD FORD FORD GMC	AL4060D-4MH MLT3060 Flat Bed w/ Air Con IH Tank C6500 W4 Forward NPR Tilt Cab 3500 4X4 T-800 Top Kick F550 F450 F450 C6500	3/31/14 9/6/02 9/6/02 4/16/03 4/15/05 4/25/06	FIELD EQUIPMENT Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck	LIGHT PLANT Flat Bed w/ Air Comp Water Truck Water Truck Saw Truck Epoxy Truck Epoxy Truck Flat Bed w/ Cure Spray Tractor Mechanic Mechanic Mechanic Stake Bed Saw Truck	EQUIPMENT Utility Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck	LIGHT PLANT LIGHT PLANT MAGNUM LIGHT PLANT LIGHT PLANT LIGHT PLANT UGHT PLANT 98 CHEVY FLAT BED 1HC 4000gal WATER TRUCK 98 GMC SAW TRUCK 98 GMC SAW TRUCK 98 GMC SAW TRUCK 95 GMC W4 FORWARD EPOXY TRUCK 01 ISUZU EPOXY TRUCK 1996 CHEVY STAKE TRUCK KENWORTH ROAD TRACTOR P550 MECHANIC BOX F450 MECHANIC BOX F450 SAW TRUCK
1801 1802 1803 1804 1805 1806 1806 1900 1901 1902 1903 1904 1905 1905 1905 1906 1907 1908 1909 1910 1911 1913	11 11 98 90 94 98 95 01 96 96 96 96 99 97 00 98 98	LANDA AMIDA MAGNUM Chevrolet TH Ford L9000 GMC GMC GMC Chevrolet Kenworth GMC FORD FORD FORD FORD FORD GMC CHEVY	AL4060D-4MH MLT3060 Flat Bed w/ Air Con IH Tank C6500 W4 Forward W4 Forward NPR Tilt Cab 3500 4X4 T-800 Top Kick F550 F450 F450 C6500 3500	3/31/14 9/6/02 9/6/02 4/16/03 4/15/05 4/25/06	FIELD EQUIPMENT Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck	LIGHT PLANT Flat Bed w/ Air Comp Water Truck Saw Truck Epoxy Truck Epoxy Truck Epoxy Truck Flat Bed w/ Cure Spray Tractor Mechanic Mechanic Mechanic Stake Bed Saw Truck Cure Spray Truck	EQUIPMENT Utility Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck	LIGHT PLANT LIGHT PLANT MAGNUM LIGHT PLANT LIGHT PLANT LIGHT PLANT 98 CHEVY FLAT BED 1HC 400091 WATER TRUCK 99 GMC SAW TRUCK 95 GMC W4 FORWARD EPOXY TRUCK 99 GMC SAW TRUCK 1996 CHEVY STAKE TRUCK KENWORTH ROAD TRACTOR F550 MECHANIC BOX W/ CRANE F450 MECHANIC BOX W/ CRANE F450 MECHANIC BOX F450 STAKE BED C6500 SAW TRUCK 1998 CHEVY STAKE BED TRUCK
1801 1802 1803 1804 1805 1806 1807 1808 1900 1901 1902 1903 1904 1905 1905 1907 1908 1907 1908 1909 1910 1911 1913 1914	11 11 98 90 94 98 95 01 96 96 96 96 96 97 00 98 98 98 99	LANDA AMIDA MAGNUM Chevrolet IH Ford L9000 GMC GMC ISUZU Chevrolet Kenworth GMC FORD FORD FORD FORD FORD CHEVY CHEVY	AL4060D-4MH MLT3060 Flat Bed w/ Air Con IH Tank C6500 W4 Forward NPR Tilt Cab 3500 4X4 T-800 Top Kick F550 F450 C6500 3500 3500	3/31/14 9/6/02 9/6/02 4/16/03 4/15/05 4/25/06	FIELD EQUIPMENT Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck	LIGHT PLANT Flat Bed w/ Air Comp Water Truck Water Truck Epoxy Truck Epoxy Truck Epoxy Truck Flat Bed w/ Cure Spray Tractor Mechanic Mechanic Stake Bed Saw Truck Cure Spray Truck Manhole Truck	EQUIPMENT Utility Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck	LIGHT PLANT LIGHT PLANT MAGNUM LIGHT PLANT LIGHT PLANT LIGHT PLANT LIGHT PLANT 98 CHEVY FLAT BED JHC 4000gal WATER TRUCK 98 GMC SAW TRUCK 95 GMC VA FORWARD EPOXY TRUCK 95 GMC VA FORWARD EPOXY TRUCK 1996 CHEVY STAKE TRUCK KENWORTH ROAD TRACTOR F550 MECHANIC BOX H550 MECHANIC BOX H550 MECHANIC BOX H550 STAKE BED C6500 SAW TRUCK 1998 CHEVY STAKE BED TRUCK 1999 CHEVY STAKE BED TRUCK
1801 1802 1803 1804 1805 1806 1807 1900 1901 1902 1903 1904 1905 1906 1907 1908 1909 1908 1909 1910 1911 1912 1913 1914 1915	11 11 98 90 94 95 95 96 96 96 91 96 91 99 97 00 98 98 98 99 01	LANDA AMIDA MAGNUM Chevrolet IH Ford L9000 GMC GMC Chevrolet Kenworth GMC FORD FORD FORD FORD FORD CHEVY CHEVY FORD	AL4060D-4MH MLT3060 Flat Bed w/ Air Con IH Tank C6500 W4 Forward NPR Tilt Cab 3500 4x4 T-800 Top Kick F550 F450 F450 F450 F450 C6500 3500 3500 5500 F350	3/31/14 9/6/02 9/6/02 4/16/03 4/15/05 4/25/06	FIELD EQUIPMENT Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck	LIGHT PLANT Flat Bed w/ Air Comp Water Truck Water Truck Epoxy Truck Epoxy Truck Flat Bed w/ Cure Spray Tractor Mechanic Mechanic Stake Bed Saw Truck Cure Spray Truck Manhole Truck Une Setting Truck	EQUIPMENT Utility Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck	LIGHT PLANT LIGHT PLANT MAGNUM LIGHT PLANT LIGHT PLANT LIGHT PLANT UGHT VEANT 98 CHEVY FLAT BED 1HC 4000gal WATER TRUCK 98 GMC SAW TRUCK 99 GMC SAW TRUCK 99 GMC SAW TRUCK 99 GMC SAW TRUCK 99 GMC SAW TRUCK 1996 CHEVY STAKE TRUCK KENWORTH ROAD TRACTOR F550 MECHANIC BOX W/ CRANE F450 MECHANIC BOX W/ CRANE F450 MECHANIC BOX F450 STAKE BED C6500 SAW TRUCK 1999 CHEVY STAKE BED TRUCK 2001 FORD STAKE BED TRUCK
1801 1802 1803 1804 1805 1806 1807 1808 1900 1901 1902 1903 1904 1905 1905 1907 1908 1907 1908 1909 1910 1911 1913 1914	11 11 98 90 94 95 95 96 96 96 91 96 91 99 97 00 98 98 98 99 01	LANDA AMIDA MAGNUM Chevrolet IH Ford L9000 GMC GMC ISUZU Chevrolet Kenworth GMC FORD FORD FORD FORD FORD CHEVY CHEVY	AL4060D-4MH MLT3060 Flat Bed w/ Air Con IH Tank C6500 W4 Forward NPR Tilt Cab 3500 4X4 T-800 Top Kick F550 F450 C6500 3500 3500	3/31/14 9/6/02 9/6/02 4/16/03 4/15/05 4/25/06	FIELD EQUIPMENT Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck	LIGHT PLANT Flat Bed w/ Air Comp Water Truck Water Truck Epoxy Truck Epoxy Truck Epoxy Truck Flat Bed w/ Cure Spray Tractor Mechanic Mechanic Stake Bed Saw Truck Cure Spray Truck Manhole Truck	EQUIPMENT Utility Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck	LIGHT PLANT LIGHT PLANT MAGNUM LIGHT PLANT LIGHT PLANT LIGHT PLANT LIGHT PLANT 98 CHEVY FLAT BED JHC 4000gal WATER TRUCK 98 GMC SAW TRUCK 95 GMC VA FORWARD EPOXY TRUCK 95 GMC VA FORWARD EPOXY TRUCK 1996 CHEVY STAKE TRUCK KENWORTH ROAD TRACTOR F550 MECHANIC BOX H550 MECHANIC BOX H550 MECHANIC BOX H550 STAKE BED C6500 SAW TRUCK 1998 CHEVY STAKE BED TRUCK 1999 CHEVY STAKE BED TRUCK
1801 1802 1803 1804 1805 1806 1807 1808 1900 1901 1902 1903 1904 1905 1906 1907 1908 1909 1910 1911 1911 1913 1915 1916	11 11 98 90 94 98 95 01 96 96 97 96 99 99 99 97 00 98 98 98 99 01 07	LANDA AMIDA AMIDA Chevrolet IH Ford L9000 GMC GMC FORD FORD FORD FORD CHEVY CHEVY FORD FORD FORD FORD FORD FORD FORD	AL4060D-4MH MLT3060 Flat Bed w/ Air Con IH Tank C6500 W4 Forward NPR Tilt Cab 3500 4x4 T-800 Top Kick F550 F450 F450 F450 F450 C6500 3500 3500 5500 F350	3/31/14 3/21/02 9/6/02 9/6/02 4/16/03 4/15/05 4/25/06 9/15/07	FIELD EQUIPMENT Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck	LIGHT PLANT Flat Bed w/ Air Comp Water Truck Water Truck Saw Truck Epoxy Truck Epoxy Truck Flat Bed w/ Cure Spray Tractor Mechanic Mechanic Stake Bed Saw Truck Cure Spray Truck Manhole Truck Line Setting Truck Mechanic	EQUIPMENT Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck	LIGHT PLANT LIGHT PLANT MAGNUM LIGHT PLANT LIGHT PLANT LIGHT PLANT LIGHT PLANT 98 CHEVY FLAT BED 1HC 4000gal WATER TRUCK 99 GMC SAW TRUCK 99 GMC SAW TRUCK 99 GMC SAW TRUCK 99 GMC SAW TRUCK 1996 CHEVY STAKE TRUCK KENWORTH ROAD TRACTOR P550 MECHANIC BOX F450 MECHANIC BOX F450 SAW TRUCK 1998 CHEVY STAKE BED C6500 SAW TRUCK 1998 CHEVY STAKE BED TRUCK 1999 CHEVY STAKE BED TRUCK F550 MECHANIC BOX W/ CRANE
1801 1802 1803 1804 1805 1806 1807 1808 1900 1901 1902 1903 1904 1905 1905 1906 1907 1908 1909 1910 1911 1912 1913 1914 1915 1917	111 111 98 90 94 98 95 01 96 96 96 91 99 97 00 98 98 98 99 01 07 92	LANDA AMIDA AMIDA Chevrolet TH Ford L9000 GMC GMC Chevrolet Kenworth GMC FORD FORD FORD FORD FORD CHEVY CHEVY FORD FORD FORD FORD FORD FORD FORD FORD	AL4060D-4MH MLT3060 Flat Bed w/ Air Con IH Tank C6500 W4 Forward W4 Forward NPR Tilt Cab 3500 4X4 T-800 Top Kick F550 F450 F450 C6500 3500 5500 5550 4700	3/31/14 3/21/02 9/6/02 9/6/02 4/15/05 4/25/06 9/15/07 8/15/07	FIELD EQUIPMENT Mid-Truck	LIGHT PLANT Flat Bed w/ Air Comp Water Truck Water Truck Epoxy Truck Epoxy Truck Flat Bed w/ Cure Spray Tractor Mechanic Mechanic Stake Bed Saw Truck Cure Spray Truck Manhole Truck Une Setting Truck	EQUIPMENT Utility Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck Truck	LIGHT PLANT LIGHT PLANT MAGNUM LIGHT PLANT LIGHT PLANT LIGHT PLANT LIGHT PLANT 98 CHEVY FLAT BED HC 4000gal WATER TRUCK 99 GMC SAW TRUCK 99 GMC SAW TRUCK 95 GMC WA FORWARD EPOXY TRUCK 1996 CHEVY STAKE TRUCK 1996 CHEVY STAKE TRUCK KENWORTH ROAD TRACTOR F550 MECHANIC BOX W/ CRANE F450 MECHANIC BOX F450 STAKE BED C6500 SAW TRUCK 1998 CHEVY STAKE BED TRUCK 1998 CHEVY STAKE BED TRUCK 2001 FORD STAKE BED TRUCK 2001 FORD STAKE BED TRUCK 2001 FORD STAKE BED TRUCK 1998 CHEVY STAKE BED TRUCK 2001 FORD STAKE BED TRUCK 1998 CHEVY STAKE BED TRUCK
1801 1802 1803 1804 1805 1806 1807 1808 1900 1901 1902 1903 1904 1905 1907 1908 1907 1908 1909 1910 1911 1912 1913 1914 1915 1917 1918	11 11 11 98 90 94 98 95 01 96 96 91 96 97 00 98 99 01 07 92 91	LANDA AMIDA MAGNUM Chevrolet IH Ford L9000 GMC GMC SMC Chevrolet Kenworth GMC FORD FORD FORD FORD FORD CHEVY FORD FORD HC CHEVY FORD HC GMC	AL4060D-4MH MLT3060 Flat Bed w/ Air Con IH Tank C6500 W4 Forward NPR Tilt Cab 3500 4X4 T-800 Top Kick F550 F450 C6500 3500 3500 3500 3500 7350 F350 F350 F350 C6500 3500 7350 F350 C6500 2500 C7500 KODIAC	3/31/14 3/21/02 9/6/02 9/6/02 4/16/03 4/15/05 4/25/06 9/15/07 8/16/12 8/16/12	FIELD EQUIPMENT Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck	LIGHT PLANT Flat Bed w/ Air Comp Water Truck Water Truck Epoxy Truck Epoxy Truck Epoxy Truck Flat Bed w/ Cure Spray Tractor Mechanic Mechanic Stake Bed Saw Truck Cure Spray Truck Manhole Truck Line Setting Truck Mechanic Stake Bed	EQUIPMENT Utility Truck	LIGHT PLANT LIGHT PLANT MAGNUM LIGHT PLANT LIGHT PLANT LIGHT PLANT LIGHT PLANT UGHT VEANT Second WATER TRUCK 98 GMC SAW TRUCK 95 GMC VAI FORWARD EPOXY TRUCK 95 GMC VAI FORWARD EPOXY TRUCK 95 GMC VAI FORWARD EPOXY TRUCK 1996 CHEVY STAKE TRUCK KENWORTH ROAD TRACTOR F550 MECHANIC BOX W/ CRANE F450 STAKE BED C6500 SAW TRUCK 1999 CHEVY STAKE BED TRUCK 1999 CHEVY STAKE BED TRUCK 1999 CHEVY STAKE BED TRUCK 2001 FORD STAKE BED TRUCK 2001 FORD STAKE BED TRUCK 550 MECHANIC BOX W/ CRANE HC 15 Stake BED TRUCK 91 Kodiac MECHANIC BOX W/ CRANE
1801 1802 1803 1804 1805 1806 1807 1900 1901 1902 1903 1904 1905 1906 1907 1908 1909 1908 1909 1910 1911 1912 1913 1914 1915 1916 1917 1918 1919	11 11 11 98 90 94 98 95 01 96 96 96 91 99 97 00 99 97 00 98 98 98 99 01 07 92 91 88	LANDA AMIDA AMIDA Chevrolet IH Ford 19000 GMC GMC Chevrolet Kenworth GMC FORD FORD FORD GMC CHEVY CHEVY FORD FORD FORD FORD GMC CHEVY CHEVY CHEVY CHEVY CHEVY CHEVY CHEVY CHEVY CHEVY FORD FORD FORD FORD FORD FORD FORD FORD	AL4060D-4MH MLT3060 Flat Bed w/ Air Con IH Tank C6500 W4 Forward NPR Tilt Cab 3500 4x4 T-800 Top Kick F550 F450 C6500 3500 S500 F450 C6500 3500 F350 F350 F350 F350 F350 C7500 KODIAC DM690	3/31/14 3/21/02 9/6/02 9/6/02 4/15/05 4/15/05 9/15/07 8/16/12 8/16/12 8/16/12 11/26/12	FIELD EQUIPMENT Mid-Truck	LIGHT PLANT Flat Bed w/ Air Comp Water Truck Water Truck Epoxy Truck Epoxy Truck Flat Bed w/ Cure Spray Tractor Mechanic Stake Bed Saw Truck Cure Spray Truck Manhole Truck Une Setting Truck Mechanic Stake Bed Sake Bed Water Truck	EQUIPMENT Utility Truck	LIGHT PLANT LIGHT PLANT MAGNUM LIGHT PLANT LIGHT PLANT LIGHT PLANT UGHT VLANT UGHT VLANT 98 CHEVY FLAT BED 1HC 4000gal WATER TRUCK 98 GMC SAW TRUCK 1996 CHEVY STAKE TRUCK KENWORTH ROAD TRACTOR F550 MECHANIC BOX W/ CRANE F450 MECHANIC BOX W/ CRANE F450 MECHANIC BOX W/ CRANE 1998 CHEVY STAKE BED TRUCK 1998 CHEVY STAKE BED TRUCK 2001 FORD STAKE BED TRUCK 2001 FORD STAKE BED TRUCK F550 MECHANIC BOX W/ CRANE 1HC 15' Stake Bed Truck 91 Kodiae MECHANIC BOX W/ CRANE 88 MACK WATER TRUCK
1801 1802 1803 1804 1805 1806 1807 1808 1900 1901 1902 1903 1904 1905 1907 1908 1907 1908 1909 1910 1911 1912 1913 1914 1915 1917 1918	11 11 11 98 90 94 98 95 01 96 96 96 91 99 97 00 99 97 00 98 98 98 99 01 07 92 91 88	LANDA AMIDA MAGNUM Chevrolet IH Ford L9000 GMC GMC SMC Chevrolet Kenworth GMC FORD FORD FORD FORD FORD CHEVY FORD FORD HC CHEVY FORD HC GMC	AL4060D-4MH MLT3060 Flat Bed w/ Air Con IH Tank C6500 W4 Forward NPR Tilt Cab 3500 4X4 T-800 Top Kick F550 F450 C6500 3500 3500 3500 3500 7350 F350 F350 F350 C6500 3500 7350 F350 C6500 2500 C7500 KODIAC	3/31/14 3/21/02 9/6/02 9/6/02 4/16/03 4/15/05 4/25/06 9/15/07 8/16/12 8/16/12	FIELD EQUIPMENT Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck Mid-Truck	LIGHT PLANT Flat Bed w/ Air Comp Water Truck Water Truck Epoxy Truck Epoxy Truck Epoxy Truck Flat Bed w/ Cure Spray Tractor Mechanic Mechanic Stake Bed Saw Truck Cure Spray Truck Manhole Truck Line Setting Truck Mechanic Stake Bed	EQUIPMENT Utility Truck	LIGHT PLANT LIGHT PLANT MAGNUM LIGHT PLANT LIGHT PLANT LIGHT PLANT LIGHT PLANT UGHT VEANT Second WATER TRUCK 98 GMC SAW TRUCK 95 GMC VAI FORWARD EPOXY TRUCK 95 GMC VAI FORWARD EPOXY TRUCK 95 GMC VAI FORWARD EPOXY TRUCK 1996 CHEVY STAKE TRUCK KENWORTH ROAD TRACTOR F550 MECHANIC BOX W/ CRANE F450 STAKE BED C6500 SAW TRUCK 1999 CHEVY STAKE BED TRUCK 1999 CHEVY STAKE BED TRUCK 1999 CHEVY STAKE BED TRUCK 2001 FORD STAKE BED TRUCK 2001 FORD STAKE BED TRUCK 550 MECHANIC BOX W/ CRANE HC 15 Stake BED TRUCK 91 Kodiac MECHANIC BOX W/ CRANE
1801 1802 1803 1804 1805 1806 1807 1808 1900 1901 1902 1903 1904 1905 1906 1907 1908 1909 1910 1911 1912 1913 1914 1915 1916 1917 1919 1920	11 11 11 11 98 90 94 98 95 01 96 96 91 99 97 00 98 98 98 99 01 07 92 91 88 08	LANDA AMIDA AMIDA MAGNUM Chevrolet IH Ford L9000 GMC GMC GMC FORD FORD FORD FORD FORD CHEVY CHEVY CHEVY CHEVY FORD FORD FORD FORD FORD FORD FORD FORD	AL4060D-4MH MLT3060 Flat Bed w/ Air Con IH Tank C6500 W4 Forward NPR Tilt Cab 3500 4X4 T-800 Top Kick F550 F450 C6550 S500 3500 3500 3500 3500 3500 3500 3	3/31/14 3/21/02 9/6/02 9/6/02 4/15/05 4/15/05 9/15/07 8/16/12 8/16/12 8/16/12 11/26/12	FIELD EQUIPMENT Mid-Truck	LIGHT PLANT Flat Bed w/ Air Comp Water Truck Water Truck Epoxy Truck Epoxy Truck Flat Bed w/ Cure Spray Tractor Mechanic Stake Bed Saw Truck Cure Spray Truck Manhole Truck Une Setting Truck Mechanic Stake Bed Sake Bed Water Truck	EQUIPMENT Utility Truck	LIGHT PLANT LIGHT PLANT MAGNUM LIGHT PLANT LIGHT PLANT LIGHT PLANT UGHT VLANT UGHT VLANT 98 CHEVY FLAT BED 1HC 4000gal WATER TRUCK 98 GMC SAW TRUCK 1996 CHEVY STAKE TRUCK KENWORTH ROAD TRACTOR F550 MECHANIC BOX W/ CRANE F450 MECHANIC BOX W/ CRANE F450 MECHANIC BOX W/ CRANE 1998 CHEVY STAKE BED TRUCK 1998 CHEVY STAKE BED TRUCK 2001 FORD STAKE BED TRUCK 2001 FORD STAKE BED TRUCK F550 MECHANIC BOX W/ CRANE 1HC 15' Stake Bed Truck 91 Kodiae MECHANIC BOX W/ CRANE 88 MACK WATER TRUCK
1801 1802 1803 1804 1805 1806 1807 1808 1900 1901 1902 1903 1904 1905 1907 1908 1907 1910 1911 1912 1913 1914 1915 1916 1917 1918 1919 1920 1921	11 11 11 98 90 94 98 95 01 96 96 91 99 97 00 98 99 97 00 98 99 97 01 07 92 91 88 08 93	LANDA AMIDA AMIDA MAGNUM Chevrolet IH Ford L9000 GMC GMC ISUZU Chevrolet Kenworth GMC FORD FORD FORD FORD FORD GMC CHEVY CHEVY FORD FORD FORD FORD FORD FORD FORD FORD	AL4060D-4MH MLT3060 Flat Bed w/ Air Con IH Tank C6500 W4 Forward W4 Forward NPR Tilt Cab 3500 4X4 T-800 Top Kick F550 F450 F450 C6500 3500 F450 C6500 3500 F350 F350 F350 F350 F350 F350 F	3/31/14 3/21/02 9/6/02 9/6/02 4/15/05 4/15/05 9/15/07 8/16/12 8/16/12 8/16/12 11/26/12	FIELD EQUIPMENT Mid-Truck	LIGHT PLANT Flat Bed w/ Air Comp Water Truck Saw Truck Epoxy Truck Epoxy Truck Epoxy Truck Flat Bed w/ Cure Spray Tractor Mechanic Mechanic Mechanic Stake Bed Saw Truck Cure Spray Truck Manhole Truck Une Setting Truck Mechanic Stake Bed Water Truck Mechanic	EQUIPMENT Utility Truck	LIGHT PLANT LIGHT PLANT MAGNUM LIGHT PLANT LIGHT PLANT LIGHT PLANT LIGHT PLANT UGHT PLANT 98 CHEVY FLAT BED 1HC 4000gal WATER TRUCK 99 GMC SAW TRUCK 99 GMC SAW TRUCK 95 GMC WATER TRUCK 95 GMC WATER TRUCK 1996 CHEVY STAKE TRUCK 1996 CHEVY STAKE TRUCK 1996 CHEVY STAKE TRUCK KENWORTH ROAD TRACTOR P550 MECHANIC BOX W/ CRANE F450 STAKE BED C6500 SAW TRUCK 1999 CHEVY STAKE BED TRUCK 1990 CHEVY STAKE BED TRUCK 1990 CHEVY STAKE BED TRUCK 1990 CHEVY STAKE BED TRUCK 1990 CHEVY STAKE BED TRUCK 1991 CHEVY STAKE BED TRUCK 1915 Kodiae MECHANIC BOX W/ CRANE 186 MACK WATER TRUCK 08 STERLING MECHANIC TRUCK
1801 1802 1803 1804 1805 1806 1807 1808 1900 1901 1902 1903 1904 1905 1907 1908 1909 1919 1919 1911 1912 1915 1916 1917 1918 1919 1920 1921 1922	11 11 11 98 90 94 98 95 01 96 96 91 96 96 91 99 97 00 98 99 97 00 98 99 97 00 98 93 07 07 92 93 188 808 93 07	LANDA AMIDA AMIDA MAGNUM Chevrolet IH Ford L9000 GMC GMC GMC Chevrolet Kenworth GMC FORD FORD FORD FORD FORD FORD FORD GMC CHEVY FORD FORD FORD HC GMC STERLING FORD INTERNATIONAL	AL4060D-4MH MLT3060 Flat Bed w/ Air Con IH Tank C6500 W4 Forward NPR Tilt Cab 3500 4X4 T-800 Top Nick F550 F450 C5500 F450 C6500 3500 3500 3500 3500 F350 F350 F350 F	3/31/14 3/21/02 9/6/02 9/6/02 4/16/03 4/15/05 9/15/07 8/16/12 8/16/12 8/16/12 11/26/12 7/17/13	FIELD EQUIPMENT Mid-Truck	LIGHT PLANT Flat Bed w/ Air Comp Water Truck Water Truck Epoxy Truck Epoxy Truck Epoxy Truck Flat Bed w/ Cure Spray Tractor Mechanic Mechanic Mechanic Stake Bed Saw Truck Cure Spray Truck Manhole Truck Line Setting Truck Mechanic Stake Bed Water Truck Mechanic Stake Bed	EQUIPMENT Utility Truck	LIGHT PLANT LIGHT PLANT MAGNUM LIGHT PLANT LIGHT PLANT LIGHT PLANT LIGHT PLANT UGHT PLANT 98 CHEVY FLAT BED 1HC 4000gal WATER TRUCK 99 GMC SAW TRUCK 95 GMC VA FORWARD EPOXY TRUCK 95 GMC VA FORWARD EPOXY TRUCK 95 GMC VA FORWARD EPOXY TRUCK 1996 CHEVY STAKE TRUCK KENWORTH ROAD TRACTOR F550 MECHANIC BOX W/ CRANE F450 STAKE BED C6500 SAW TRUCK 1999 CHEVY STAKE BED TRUCK 1999 CHEVY STAKE BED TRUCK 1999 CHEVY STAKE BED TRUCK 1999 CHEVY STAKE BED TRUCK 2001 FORD STAKE BED TRUCK 91 Kodiac MECHANIC BOX W/ CRANE 88 MACK WATER TRUCK 08 STERLING MECHANIC TRUCK 07 IHC SAW TRUCK
1801 1802 1803 1804 1805 1806 1807 1900 1901 1902 1903 1904 1905 1906 1907 1908 1909 1909 1910 1911 1912 1913 1914 1915 1916 1917 1918 1919 1919 1920 1921 1922 2000	11 11 11 98 90 94 98 95 01 96 96 91 96 96 91 99 97 00 98 99 97 00 98 99 97 00 98 93 07 07 92 93 188 808 93 07	LANDA AMIDA AMIDA Chevrolet IH Ford 19000 GMC GMC FORD FORD GMC CHEVY CHEVY CHEVY CHEVY FORD FORD FORD FORD GMC CHEVY STERLING FORD FORD FORD FORD FORD FORD FORD FORD	AL4060D-4MH MLT3060 Flat Bed w/ Air Con IH Tank C6500 W4 Forward NPR Tilt Cab 3500 4X4 T-800 Top Kick F550 F450 F450 F450 C65500 3500 3500 5500 F350 F350 F350 F350	3/31/14 3/21/02 9/6/02 9/6/02 4/15/05 4/15/05 9/15/07 8/16/12 8/16/12 8/16/12 11/26/12 7/17/13	FIELD EQUIPMENT Mid-Truck	LIGHT PLANT Flat Bed w/ Air Comp Water Truck Water Truck Epoxy Truck Epoxy Truck Flat Bed w/ Cure Spray Tractor Mechanic Stake Bed Saw Truck Cure Spray Truck Manhole Truck Manhole Truck Mechanic Stake Bed Saw Truck Mechanic Stake Bed Water Truck Mechanic Stake Bed Water Truck Mechanic Stake Bed Water Truck Mechanic	EQUIPMENT Utility Truck	LIGHT PLANT LIGHT PLANT MAGNUM LIGHT PLANT LIGHT PLANT LIGHT PLANT LIGHT PLANT UGHT VEANT 98 CHEVY FLAT BED 1HC 4000gal WATER TRUCK 98 GMC SAW TRUCK 98 GMC SAW TRUCK 98 GMC VA FORWARD EPOXY TRUCK 99 GMC SAW TRUCK 98 GMC VA FORWARD EPOXY TRUCK 1996 CHEVY STAKE TRUCK KENWORTH ROAD TRACTOR F550 MECHANIC BOX W/ CRANE F450 MECHANIC BOX W/ CRANE F450 MECHANIC BOX F450 STAKE BED C6500 SAW TRUCK 1998 CHEVY STAKE BED TRUCK 1999 CHEVY STAKE BED TRUCK 2001 FORD STAKE BED TRUCK 2001 FORD STAKE BED TRUCK 2001 FORD STAKE BED TRUCK 1HC 15' Stake Bed Truck 91 Kodiac MECHANIC BOX W/ CRANE 88 MACK WATER TRUCK 08 STERLING MECHANIC TRUCK 07 THC SAW TRUCK 87 BLAWNOX ROAD WIDENER
1801 1802 1803 1804 1805 1806 1807 1808 1900 1901 1902 1903 1904 1905 1907 1908 1909 1919 1919 1911 1912 1915 1916 1917 1918 1919 1920 1921 1922	11 11 11 98 90 94 98 95 01 96 96 91 96 96 91 99 97 00 98 99 97 00 98 99 97 00 98 93 07 07 92 93 188 808 93 07	LANDA AMIDA AMIDA MAGNUM Chevrolet IH Ford L9000 GMC GMC GMC Chevrolet Kenworth GMC FORD FORD FORD FORD FORD FORD GMC CHEVY FORD FORD FORD HC GMC STERLING FORD INTERNATIONAL	AL4060D-4MH MLT3060 Flat Bed w/ Air Con IH Tank C6500 W4 Forward NPR Tilt Cab 3500 4X4 T-800 Top Nick F550 F450 C5500 F450 C6500 3500 3500 3500 3500 F350 F350 F350 F	3/31/14 3/21/02 9/6/02 9/6/02 4/16/03 4/15/05 9/15/07 8/16/12 8/16/12 8/16/12 11/26/12 7/17/13	FIELD EQUIPMENT Mid-Truck	LIGHT PLANT Flat Bed w/ Air Comp Water Truck Water Truck Epoxy Truck Epoxy Truck Epoxy Truck Flat Bed w/ Cure Spray Tractor Mechanic Mechanic Mechanic Stake Bed Saw Truck Cure Spray Truck Manhole Truck Line Setting Truck Mechanic Stake Bed Water Truck Mechanic Stake Bed	EQUIPMENT Utility Truck	LIGHT PLANT LIGHT PLANT MAGNUM LIGHT PLANT LIGHT PLANT LIGHT PLANT LIGHT PLANT UGHT PLANT 98 CHEVY FLAT BED 1HC 4000gal WATER TRUCK 99 GMC SAW TRUCK 95 GMC VA FORWARD EPOXY TRUCK 95 GMC VA FORWARD EPOXY TRUCK 95 GMC VA FORWARD EPOXY TRUCK 1996 CHEVY STAKE TRUCK KENWORTH ROAD TRACTOR F550 MECHANIC BOX W/ CRANE F450 STAKE BED C6500 SAW TRUCK 1999 CHEVY STAKE BED TRUCK 1999 CHEVY STAKE BED TRUCK 1999 CHEVY STAKE BED TRUCK 1999 CHEVY STAKE BED TRUCK 2001 FORD STAKE BED TRUCK 91 Kodiac MECHANIC BOX W/ CRANE 88 MACK WATER TRUCK 08 STERLING MECHANIC TRUCK 07 IHC SAW TRUCK
1801 1802 1803 1804 1804 1805 1806 1807 1808 1900 1901 1902 1903 1904 1905 1906 1907 1908 1909 1910 1911 1912 1913 1914 1915 1916 1917 1918 1919 1920 1921 1922 2000 22000	11 11 11 98 90 94 98 95 96 96 96 96 96 96 97 00 98 99 97 00 98 98 99 01 07 92 91 88 08 93 07	LANDA AMIDA AMIDA MAGNUM Chevrolet IH Ford 19000 GMC GMC GMC FORD FORD FORD FORD FORD GMC CHEVY FORD FORD FORD FORD FORD FORD FORD FORD	AL4060D-4MH MLT3060 Flat Bed w/ Air Con IH Tank C6500 W4 Forward NPR Tilt Cab 3500 4X4 T-800 Top Kick F550 F450 F450 C6500 3500 3500 3500 3500 5500 5350 7450 C7500 KODIAC DM690 BULLET F350 4300 LP RW195C 6620	3/31/14 3/21/02 9/6/02 9/6/02 4/15/05 4/15/05 9/15/07 8/16/12 8/16/12 8/16/12 11/26/12 7/17/13	FIELD EQUIPMENT Mid-Truck	LIGHT PLANT Flat Bed w/ Air Comp Water Truck Saw Truck Epoxy Truck Epoxy Truck Epoxy Truck Flat Bed w/ Cure Spray Tractor Mechanic Mechanic Mechanic Stake Bed Saw Truck Cure Spray Truck Manhole Truck Une Setting Truck Machanic Stake Bed Water Truck Mechanic Stake Bed Water Truck Mechanic Stake Bed	EQUIPMENT Utility Truck	LIGHT PLANT LIGHT PLANT MAGNUM LIGHT PLANT LIGHT PLANT LIGHT PLANT LIGHT PLANT IGHT PLANT 98 CHEVY FLAT BED 1HC 4000gal WATER TRUCK 99 GMC SAW TRUCK 99 GMC SAW TRUCK 99 GMC SAW TRUCK 1996 CHEVY STAKE TRUCK 1996 CHEVY STAKE TRUCK 1996 CHEVY STAKE TRUCK KENWORTH ROAD TRACTOR F550 MECHANIC BOX W/ CRANE F450 MECHANIC BOX F450 STAKE BED CG500 SAW TRUCK 1998 CHEVY STAKE BED TRUCK 1998 CHEVY STAKE BED TRUCK 1998 CHEVY STAKE BED TRUCK 2001 FORD STAKE BED TRUCK 2001 FORD STAKE BED TRUCK 2001 FORD STAKE BED TRUCK 2001 FORD STAKE BED TRUCK 1918 CHEANIC BOX W/ CRANE 1HC 15' Stake Bed Truck 91 Kodiac MECHANIC BOX W/ CRANE 88 MACK WATER TRUCK 05 STERLING MECHANIC TRUCK 07 IHC SAW TRUCK 37 BLAWNOX ROAD WIDENER SUPERPAC 6620 ROLLER
1801 1802 1803 1804 1805 1806 1807 1807 1807 1907 1903 1904 1905 1906 1907 1908 1909 1910 1911 1912 1913 1914 1915 1916 1917 1918 1919 1920 1920 2000 2200 2201	11 11 11 98 90 94 98 95 96 96 96 96 96 96 97 00 98 99 97 00 98 98 99 01 07 92 91 88 08 93 07	LANDA AMIDA AMIDA MAGNUM Chevrolet IH Ford L9000 GMC GMC SMC Chevrolet Kenworth GMC FORD FORD FORD FORD FORD FORD FORD FORD	AL4060D-4MH MLT3060 Flat Bed w/ Air Con IH Tank C6500 W4 Forward NPR Tilt Cab 3500 4X4 T-800 Top Kick F550 F450 F450 C6500 3500 F450 C6500 3500 F350 F450 C6500 3500 F350 F350 F350 F350 F350 F350 F	3/31/14 3/21/02 9/6/02 9/6/02 4/15/05 4/15/05 9/15/07 8/16/12 8/16/12 8/16/12 11/26/12 7/17/13	FIELD EQUIPMENT Mid-Truck Rod Widener Roller	LIGHT PLANT Flat Bed w/ Air Comp Water Truck Saw Truck Epoxy Truck Epoxy Truck Flat Bed w/ Cure Spray Tractor Mechanic Mechanic Mechanic Stake Bed Saw Truck Cure Spray Truck Menhole Truck Line Setting Truck Mechanic Stake Bed Water Truck Mechanic Stake Bed Water Truck Mechanic Saw Truck Mechanic Saw Truck Road Widener Compactor Roller	EQUIPMENT Utility Truck	LIGHT PLANT LIGHT PLANT MAGNUM LIGHT PLANT LIGHT PLANT LIGHT PLANT LIGHT PLANT UGHT PLANT IIC 4000gal WATER TRUCK 98 GMC SAW TRUCK 95 GMC SAW TRUCK 95 GMC SAW TRUCK 95 GMC SAW TRUCK 1996 CHEVY STAKE TRUCK 1996 CHEVY STAKE TRUCK KENWORTH ROAD TRACTOR F550 MECHANIC BOX W/ CRANE F450 STAKE BED C6500 SAW TRUCK 1999 CHEVY STAKE BED TRUCK 1991 CHEVY STAKE BED TRUCK 100 STAKE BED 11C LIS STAKE BED TRUCK 91 Kodiac MECHANIC BOX W/ CRANE 11C LIS STAKE BED TRUCK 08 STERLING MECHANIC TRUCK 07 IHC SAW TRUCK 107 IHC SAW T
1801 1802 1803 1804 1804 1805 1806 1807 1808 1900 1901 1902 1903 1904 1905 1906 1907 1908 1909 1910 1911 1912 1913 1914 1915 1916 1917 1918 1919 1920 1921 1922 2000 22000	11 11 11 98 90 94 98 95 01 96 96 91 96 96 97 00 98 98 99 01 07 92 91 88 08 93 07	LANDA AMIDA AMIDA MAGNUM Chevrolet IH Ford 19000 GMC GMC GMC FORD FORD FORD FORD FORD GMC CHEVY FORD FORD FORD FORD FORD FORD FORD FORD	AL4060D-4MH MLT3060 Flat Bed w/ Air Con IH Tank C6500 W4 Forward NPR Tilt Cab 3500 4X4 T-800 Top Kick F550 F450 F450 C6500 3500 3500 3500 3500 5500 5350 7450 C7500 KODIAC DM690 BULLET F350 4300 LP RW195C 6620	3/31/14 3/21/02 9/6/02 9/6/02 4/15/05 4/15/05 9/15/07 8/16/12 8/16/12 8/16/12 11/26/12 7/17/13	FIELD EQUIPMENT Mid-Truck	LIGHT PLANT Flat Bed w/ Air Comp Water Truck Saw Truck Epoxy Truck Epoxy Truck Epoxy Truck Flat Bed w/ Cure Spray Tractor Mechanic Mechanic Mechanic Stake Bed Saw Truck Cure Spray Truck Manhole Truck Une Setting Truck Machanic Stake Bed Water Truck Mechanic Stake Bed Water Truck Mechanic Stake Bed	EQUIPMENT Utility Truck	LIGHT PLANT LIGHT PLANT MAGNUM LIGHT PLANT LIGHT PLANT LIGHT PLANT LIGHT PLANT IGHT PLANT 98 CHEVY FLAT BED 1HC 4000gal WATER TRUCK 99 GMC SAW TRUCK 99 GMC SAW TRUCK 99 GMC SAW TRUCK 1996 CHEVY STAKE TRUCK 1996 CHEVY STAKE TRUCK 1996 CHEVY STAKE TRUCK KENWORTH ROAD TRACTOR F550 MECHANIC BOX W/ CRANE F450 MECHANIC BOX F450 STAKE BED CG500 SAW TRUCK 1998 CHEVY STAKE BED TRUCK 1998 CHEVY STAKE BED TRUCK 1998 CHEVY STAKE BED TRUCK 2001 FORD STAKE BED TRUCK 2001 FORD STAKE BED TRUCK 2001 FORD STAKE BED TRUCK 2001 FORD STAKE BED TRUCK 1918 CHEANIC BOX W/ CRANE 1HC 15' Stake Bed Truck 91 Kodiac MECHANIC BOX W/ CRANE 88 MACK WATER TRUCK 05 STERLING MECHANIC TRUCK 07 IHC SAW TRUCK 37 BLAWNOX ROAD WIDENER SUPERPAC 6620 ROLLER

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2200	Yr	Make	Model	Purchase	CATEGORY	APPLCATION	CLASS	Description
2300	05	Volvo	EW180B	1/11/06	Excavator	Wheel Excavator	Equipment	VOLVO EXCAVATOR
2301	04	Komatsu	PC200-7	5/5/06	Excavator	Wheel Excavator	Equipment	KOMATSU EXCAVATOR
2302	Ť	Komatsu	PW170-6	p. t t	Excavator	Wheel Excavator	Equipment	KOMATSU EXCAVATOR
2303		Volvo	EW180C		Excavator	Wheel Excavator	Equipment	Volvo EW180C Excavator
				• • • • • • • • • • • • •				
2401		CASE	590SM Series I	12/9/09	Backhoe	Loader / Backhoe	Equipment	CASE 590 Backhoe
402		CAT	420E		Backhoe	Loader / Backhoe	Equipment	CAT 420 LOADER/BACKHOE
2403		CAT	420E		Backhoe	Loader / Backhoe	Equipment	CAT 420 LOADER/BACKHOE
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503		CAT	D5K		Dozer	Bulldozer	Equipment	CAT D5K BULLDOZER
504		CAT	D5K		Dozer	Bulldozer	Equipment	CAT D5K BULLDOZER
505		CAT	D4K		Dozer	Bulldozer	Equipment	CAT D4K BULLDOZER
506		CAT	D3K		Dozer	Bulldozer	Equipment	CAT D3K BULLDOZER
600		CAT	924G		Loader	Loader	Equipment	CAT WHEEL LOADER
601		Komatsu	WA320-6	9/15/08	Loader	Loader	Equipment	KOMATSU WHEEL LOADER
602		Komatsu	WA200-5		Loader	Loader	Equipment	KOMATSU WHEEL LOADER
701	i dente I	CAT	H90		Attachment	Demo Hammer mount on	Equipment	BHL H90 Hydraulic Hammer
702		CAT	H90		Attachment	Demo Hammer mount on	Equipment	BHL H90 Hydraulic Hammer
800	•••••••	Pav-Saver		7/1/03	Paver	Form Rider	Equipment	Pav-Saver 12-20
801		Gomaco	GP 2600	5/27/03	Paver	Slip Form Paver	Equipment	GOMACO SLIPFORM PAVER
	-					• For the state of the state		
8 02	-	CMI	SF-250	5/20/04	Paver	Belt Placer / Spreader	Equipment	CMI SF-250 SPREADER
803		Gomaco	GT6300	9/1/04	Paver	Slip Form Paver	Equipment	GOMACO PAVER 4 TRACK
804	- 4 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	Gomaco	TC600	9/1/04	Paver	Texture Machine	Equipment	GOMACO TEXTURE CURE MACHINE
805	97	CMI	MTP 400-48	9/1/04	Paver	Material Placer	Equipment	CMI MTP 4004 MATERIAL PLACER
806	L	СМІ	TR 225B	7/14/05	Paver	Trimmer	Equipment	CMI TR2258 TRIMMER
807	07	Vogele	2116T	4/23/07	Paver	Asphalt Paver	Equipment	VOGELE ASPHALT PAVER
308	100	CMI	SF-350		Paver	Slip Form Paver	Equipment	CMI 4 Track Paver
B09		Gomaco	PS-60	· · · · · · · · · · · · · ·	Paver	Belt Placer / Spreader	Equipment	GOMACO PS-60 SPREADER
310		Vogele	5200-2	•	Paver	Asphait Paver	Equipment	VOGELE ASPHALT PAVER
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311	1	CMI	SF-350	7/0/07	Paver	Slip Form Paver	Equipment	CMI 4 Track Paver
900	04	John Deere	Gator	7/8/04	Paver	Profiler Buggy	Equipment	LIGHTWEIGHT PROFILER
901	.	John Deere	5210	11/1/04	Broom	Broom Tractor	Equipment	JOHN DEERE BROOM TRACTOR
902		Bart Mill	PR160	5/5/06	Milling Machine	Milling Machine	Equipment	BART MILL 160
903		Broce	RC 350	6/27/11	Broom	Broom Tractor	Equipment	Broce RC 350 Broom
904	00	John Deere	5310	6/30/11	Broom	Broom Tractor	Equipment	JOHN DEERE BROOM TRACTOR
905		John Deere	210LE			Landscape Tractor		JOHN DEERE LANDSCAPE TRACTOR
000	1	Magnum	and a first of an annula and the sector of a	7/1/02	Concrete Saw	Concrete Saw	Equipment	65HP GAS CONCRETE SAW
001	04	Dimas	FS6000D	7/28/04	Concrete Saw	Concrete Saw	Equipment	57HP DIESEL CONCRETE SAW
002	-	Core Cut	CC 6560	// L o/U/	Concrete Saw	Concrete Saw	Equipment	57HP DIESEL CONCRETE SAW
02		State and the second second second	constructed and compared to a second construction of the second	11/12/00				
10.000 C 10.00		Magnum	MAG65H-001 38 Sp	11/15/08	Concrete Saw	Concrete Saw	Equipment	65HP GAS CONCRETE SAW
004		Target	65 Series III		Concrete Saw	Concrete Saw	Equipment	65HP GAS CONCRETE SAW
205		Core Cut	CC6560XLS	7/11/11	Concrete Saw	Concrete Saw	Equipment	(deutz)
006		HUSKY	FS4800D	9/11/11	Concrete Saw	Concrete Saw	Equipment	48hp yanmar DIESEL CONCRETE SAW
007		TARGET	PRO65III		Concrete Saw	Concrete Saw	Equipment	65HP GAS CONCRETE SAW
008		HUSKY	FS8400D	4/17/14	Concrete Saw	Concrete Saw	Equipment	82hp DIESEL CONCRETE SAW
009		HUSKY	FS8400D	4/17/14	Concrete Saw	Concrete Saw	Equipment	82hp DIESEL CONCRETE SAW
700		TSURUMI						3" SUBMERSIBLE WATER PUMP
701	a fa an sa	Ingersol Rand	P185WJD	3/21/02	Air Comp	Alr Comp	Equipment	INGERSOLL SKID MOUNT COMPRESSOR
702		Terramite	11051130	4/30/02	Paver	Roller Screed	Equipment	ROLLER SCREED W/ 14' TUBS
704			• • • •	1,20,02	ravci	Nonei Screed	equipment	ROLLER SCREED W/ 14 TOBS
		Cement Mixer						
703		Sullivan	D185Q	8/30/02	Air Comp	Air Comp	Equipment	SULLIVAN AIR COMPRESSOR
705		Cimline	230D M/A	6/7/05	Tar Kettle	Tar Kettle	Equipment	CIMLINE TAR KETTLE
706	05	Arrow	1350	6/15/05	Concrete Breaker	Concrete Breaker	Equipment	ARROW CONCRETE BREAKER
707	1			10/1/05	Generator	Stationary Gen	Equipment	COLEMAN 60 KW GENERATOR
708	1			5/18/06	Misc Equip			AGL GL2500 GRADELIGHT LASER
	.i			10/1/06	Gang Drill	Dowell Machine		
/09				10/1/00	cang on in	Dowen Machine	Equipment	WOODINGS DRILL
		Stone	95cm		Mixer		Equipment Field Tools	WOODINGS DRILL
/10	64				Mixer	Concrete Mixer	Field Tools	
'10 '12		Sullair	185DPQ-PERK	3/6/09	Mixer Air Comp	Concrete Mixer Mount on #146	Field Tools Equipment	Air Compressor 185 CFM w/ Perkins
710 712 713	04	Sullair Sullair	185DPQ-PERK 185HDPQ-JD	3/6/09 3/10/09	Mixer Air Comp Air Comp	Concrete Mixer Mount on #146 Air Compressor	Field Tools	Air Compressor 185 CFM w/ Perkins Air Compressor 185 CFM w/ John Deere
710 712 713 714	04 09	Sullair Sullair Efficency	185DPQ-PERK 185HDPQ-JD XLD-820	3/6/09 3/10/09 3/11/09	Mixer Air Comp Air Comp Trench Box	Concrete Mixer Mount on #146 Air Compressor Trench Box	Field Tools Equipment	Air Compressor 185 CFM w/ Perkins Air Compressor 185 CFM w/ John Deere 8 X 20 Trench Box
710 712 713 714 715	04 09	Sullair Sullair Efficency Efficency	185DPQ-PERK 185HDPQ-JD	3/6/09 3/10/09	Mixer Air Comp Air Comp	Concrete Mixer Mount on #146 Air Compressor	Field Tools Equipment	Air Compressor 185 CFM w/ Perkins Air Compressor 185 CFM w/ John Deere
710 712 713 714 715 716	04 09 09	Sullair Sullair Efficency Efficency Gang Drill	185DPQ-PERK 185HDPQ-JD XLD-820	3/6/09 3/10/09 3/11/09	Mixer Air Comp Air Comp Trench Box	Concrete Mixer Mount on #146 Air Compressor Trench Box	Field Tools Equipment	Air Compressor 185 CFM w/ Perkins Air Compressor 185 CFM w/ John Deere 8 X 20 Trench Box
210 212 213 214 215 216 217	04 09 09	Sullair Sullair Efficency Efficency Gang Drill Gang Drill	185DPQ-PERK 185HDPQ-JD XLD-820	3/6/09 3/10/09 3/11/09	Mixer Air Comp Air Comp Trench Box Trench Box	Concrete Mixer Mount on #146 Air Compressor Trench Box Trench Box	Field Tools Equipment Equipment	Air Compressor 185 CFM w/ Perkins Air Compressor 185 CFM w/ John Deere 8 X 20 Trench Box 4 X 20 Trench Box
710 712 713 714 715 716 717 718	04 09 09	Sullair Sullair Efficency Efficency Gang Drill Gang Drill Gang Drill	185DPQ-PERK 185HDPQ-JD XLD-820	3/6/09 3/10/09 3/11/09	Mixer Air Comp Air Comp Trench Box	Concrete Mixer Mount on #146 Air Compressor Trench Box Trench Box Dowell Machine	Field Tools Equipment Equipment Equipment	Air Compressor 185 CFM w/ Perkins Air Compressor 185 CFM w/ John Deere 8 X 20 Trench Box
210 212 213 214 215 215 216 217 217 218	04 09 09	Sullair Sullair Efficency Efficency Gang Drill Gang Drill	185DPQ-PERK 185HDPQ-JD XLD-820	3/6/09 3/10/09 3/11/09	Mixer Air Comp Air Comp Trench Box Trench Box	Concrete Mixer Mount on #146 Air Compressor Trench Box Trench Box	Field Tools Equipment Equipment	Air Compressor 185 CFM w/ Perkins Air Compressor 185 CFM w/ John Deere 8 X 20 Trench Box 4 X 20 Trench Box
710 712 713 714 715 716 716 717 718 719	04 09 09 09	Sullair Sullair Efficency Efficency Gang Drill Gang Drill Gang Drill	185DPQ-PERK 185HDPQ-JD XLD-820	3/6/09 3/10/09 3/11/09	Mixer Air Comp Air Comp Trench Box Trench Box Gang Drill	Concrete Mixer Mount on #146 Air Compressor Trench Box Trench Box Dowell Machine	Field Tools Equipment Equipment Equipment	Air Compressor 185 CFM w/ Perkins Air Compressor 185 CFM w/ John Deere 8 X 20 Trench Box 4 X 20 Trench Box Hydraulic Drill Model SK47 SSIb. 185 CFM AIR COMPRESSOR
710 712 713 714 715 716 717 718 719 720	04 09 09 09	Sullair Sullair Efficency Gang Drill Gang Drill Gang Drill Ingersol Rand	185DPQ-PERK 185HDPQ-JD XLD-820 XLD-420 P185WJDU	3/6/09 3/10/09 3/11/09	Mixer Air Comp Air Comp Trench Box Trench Box Gang Drill Air Comp Air Comp	Concrete Mixer Mount on #146 Air Compressor Trench Box Trench Box Dowell Machine Air Compressor Air Compressor	Field Tools Equipment Equipment Equipment Equipment Equipment	Air Compressor 185 CFM w/ Perkins Air Compressor 185 CFM w/ John Deere 8 X 20 Trench Box 4 X 20 Trench Box Hydraulic Drill Model SK47 SSIb. 185 CFM AIR COMPRESSOR
710 712 713 714 715 716 717 718 719 720 721	04 09 09 04 01	Sullair Sullair Efficency Efficency Gang Drill Gang Drill Ingersol Rand Ingersol Rand Sullair	185DPQ-PERK 185HDPQ-JD XLD-820 XLD-420 P185WJDU 1855dpq-jd	3/6/09 3/10/09 3/11/09	Mixer Air Comp Air Comp Trench Box Trench Box Gang Drill Air Comp Air Comp Air Comp	Concrete Mixer Mount on #146 Air Compressor Trench Box Trench Box Dowell Machine Air Compressor Air Compressor Air Compressor	Field Tools Equipment Equipment Equipment Equipment Equipment Equipment	Air Compressor 185 CFM w/ Perkins Air Compressor 185 CFM w/ John Deere 8 X 20 Trench Box 4 X 20 Trench Box Hydraulic Drill Model SK47 SSIb. 185 CFM AIR COMPRESSOR 185 CFM STATIONARY AIR COMPRESSO 185 CFM AIR COMPRESSOR
710 712 713 714 715 716 717 718 719 720 721 722	04 09 09 04 01	Sullair Sullair Efficency Gang Drill Gang Drill Gang Drill Ingersol Rand Ingersol Rand Sullair Arrow	185DPQ-PERK 185HDPQ-JD XLD-820 XLD-420 P185WJDU	3/6/09 3/10/09 3/11/09	Mixer Air Comp Air Comp Trench Box Trench Box Gang Drill Air Comp Air Comp	Concrete Mixer Mount on #146 Air Compressor Trench Box Trench Box Dowell Machine Air Compressor Air Compressor	Field Tools Equipment Equipment Equipment Equipment Equipment Equipment Equipment	Air Compressor 185 CFM w/ Perkins Air Compressor 185 CFM w/ John Deere 8 X 20 Trench Box 4 X 20 Trench Box Hydraulic Drill Model SK47 SSIb. 185 CFM AIR COMPRESSOR 185 CFM STATIONARY AIR COMPRESSO
710 712 713 714 715 716 717 718 719 720 721 722 723	04 09 09 04 01	Sullair Sullair Efficency Efficency Gang Drill Gang Drill Ingersol Rand Ingersol Rand Sullair Arrow Gang Drill	185DPQ-PERK 185HDPQ-JD XLD-820 XLD-420 P185WJDU 185dpq-jd 1350	3/6/09 3/10/09 3/11/09 3/11/09	Mixer Air Comp Air Comp Trench Box Trench Box Gang Drill Air Comp Air Comp Air Comp Air Comp Concrete Breaker	Concrete Mixer Mount on #146 Air Compressor Trench Box Trench Box Dowell Machine Air Compressor Air Compressor Air Compressor Concrete Breaker	Field Tools Equipment Equipment Equipment Equipment Equipment Equipment Equipment	Air Compressor 185 CFM w/ Perkins Air Compressor 185 CFM w/ John Deere 8 X 20 Trench Box 4 X 20 Trench Box 4 X 20 Trench Box 185 CFM AIR COMPRESSOR 185 CFM AIR COMPRESSOR 185 CFM AIR COMPRESSOR ARROW CONCRETE BREAKER
 110 112 113 114 115 116 117 118 119 20 21 22 22 23 224 	04 09 09 04 01	Sullair Sullair Efficency Efficency Gang Drill Gang Drill Ingersol Rand Ingersol Rand Sullair Arrow Gang Drill Sullair	185DPQ-PERK 185HDPQ-JD XLD-820 XLD-420 P185WJDU 185dpq-jd 1350 185DPQ-JD	3/6/09 3/10/09 3/11/09 3/11/09 3/11/09 8/21/2012	Mixer Air Comp Air Comp Trench Box Trench Box Gang Drill Air Comp Air Comp Air Comp Concrete Breaker Air Comp	Concrete Mixer Mount on #146 Air Compressor Trench Box Trench Box Dowell Machine Air Compressor Air Compressor Air Compressor Concrete Breaker Wheel Mounted	Field Tools Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment	Air Compressor 185 CFM w/ Perkins Air Compressor 185 CFM w/ John Deere 8 X 20 Trench Box 4 X 20 Trench Box Hydraulic Drill Model SK47 55lb. 185 CFM AIR COMPRESSOR 185 CFM AIR COMPRESSOR 185 CFM AIR COMPRESSOR ARROW CONCRETE BREAKER 06 Sullair 185CFM Air Compressor
10 12 13 14 15 16 17 18 19 20 21 22 23 22 23 22 24 25	04 09 09 04 01 01	Sullair Sullair Efficency Gang Drill Gang Drill Gang Drill Ingersol Rand Ingersol Rand Sullair Arrow Gang Drill Sullair IR	185DPQ-PERK 185HDPQ-JD XLD-820 XLD-420 P185WJDU 185dpq-jd 1350 185DPQ-JD P185EWJD	3/6/09 3/10/09 3/11/09 3/11/09 8/21/2012 8/21/2012	Mixer Air Comp Air Comp Trench Box Trench Box Gang Drill Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp	Concrete Mixer Mount on #146 Air Compressor Trench Box Trench Box Dowell Machine Air Compressor Air Compressor Air Compressor Concrete Breaker Wheel Mounted	Field Tools Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment	Air Compressor 185 CFM w/ Perkins Air Compressor 185 CFM w/ John Deere 8 X 20 Trench Box 4 X 20 Trench Box Hydraulic Drill Model SK47 SSIb. 185 CFM AIR COMPRESSOR 185 CFM AIR COMPRESSOR 185 CFM AIR COMPRESSOR ARROW CONCRETE BREAKER 06 Sullair 185CFM Air Compressor 99 Ingersol Rand 185CFM Air Compressor
710 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726	04 09 09 09 01	Sullair Sullair Efficency Efficency Gang Drill Gang Drill Ingersol Rand Ingersol Rand Sullair Arrow Gang Drill Sullair IR IR	185DPQ-PERK 185HDPQ-JD XLD-820 XLD-420 P185WJDU 185dpq-jd 1350 185DPQ-JD P185EWJD XP185EWJD	3/6/09 3/10/09 3/11/09 3/11/09 8/21/2012 8/21/2012 8/21/2012 8/21/2012	Mixer Air Comp Air Comp Trench Box Trench Box Gang Drill Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp	Concrete Mixer Mount on #146 Air Compressor Trench Box Trench Box Dowell Machine Air Compressor Air Compressor Air Compressor Concrete Breaker Wheel Mounted Wheel Mounted Mount on #2300	Field Tools Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment	Air Compressor 185 CFM w/ Perkins Air Compressor 185 CFM w/ John Deere 8 X 20 Trench Box 4 X 20 Trench Box 4 X 20 Trench Box Hydraulic Drill Model SK47 SSIb. 185 CFM AIR COMPRESSOR 185 CFM AIR COMPRESSOR 185 CFM AIR COMPRESSOR ARROW CONCRETE BREAKER 06 Sullair 185CFM Air Compressor 99 Ingersol Rand 185CFM Air Compresso 01 Ingersol Rand 185CFM Air Compresso
710 712 713 714 715 716 717 718 719 720 721 722 723 722 723 724 722 723 724 722 723 724 722 723 724 722 723	04 09 09 04 01 06 99 01 00	Sullair Sullair Efficency Gang Drill Gang Drill Gang Drill Ingersol Rand Ingersol Rand Sullair Arrow Gang Drill Sullair IR IR IR	185DPQ-PERK 185HDPQ-JD XLD-820 XLD-420 P185WJDU 185dpq-jd 1350 185DPQ-JD P185EWJD	3/6/09 3/10/09 3/11/09 3/11/09 8/21/2012 8/21/2012	Mixer Air Comp Air Comp Trench Box Trench Box Gang Drill Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp	Concrete Mixer Mount on #146 Air Compressor Trench Box Trench Box Dowell Machine Air Compressor Air Compressor Air Compressor Concrete Breaker Wheel Mounted Wheel Mounted Mount on #2300 Spare	Field Tools Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment	Air Compressor 185 CFM w/ Perkins Air Compressor 185 CFM w/ John Deere 8 X 20 Trench Box 4 X 20 Trench Box 4 X 20 Trench Box Hydraulic Drill Model SK47 S5lb. 185 CFM AIR COMPRESSOR 185 CFM AIR COMPRESSOR 185 CFM AIR COMPRESSOR ARROW CONCRETE BREAKER 06 Sullair 185CFM Air Compressor 99 Ingersol Rand 185CFM Air Compressor 01 Ingersol Rand 185CFM Air Compressor 00 Ingersol Rand 185CFM Air Compressor
710 712 713 714 715 716 717 718 719 720 721 722 723 724 725 725 726 727 728	04 09 09 04 01 06 99 01 00	Sullair Sullair Efficency Efficency Gang Drill Gang Drill Ingersol Rand Ingersol Rand Sullair Arrow Gang Drill Sullair IR IR IR Gang Drill Gang Drill	185DPQ-PERK 185HDPQ-JD XLD-820 XLD-420 P185WJDU 185dpq-jd 1350 185DPQ-JD P185EWJD XP185EWJD	3/6/09 3/10/09 3/11/09 3/11/09 3/11/09 8/21/2012 8/21/2012 8/21/2012 8/21/2012	Mixer Air Comp Air Comp Trench Box Trench Box Gang Drill Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp	Concrete Mixer Mount on #146 Air Compressor Trench Box Trench Box Dowell Machine Air Compressor Air Compressor Air Compressor Concrete Breaker Wheel Mounted Wheel Mounted Wheel Mounted Mount on #2300 Spare Dowell Machine	Field Tools Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment	Air Compressor 185 CFM w/ Perkins Air Compressor 185 CFM w/ John Deere 8 X 20 Trench Box 4 X 20 Trench Box Hydraulic Drill Model SK47 S5lb, 185 CFM AIR COMPRESSOR 185 CFM AIR COMPRESSOR 185 CFM AIR COMPRESSOR ARROW CONCRETE BREAKER 06 Sullair 185CFM Air Compresso 01 Ingersol Rand 185CFM Air Compresso 01 Ingersol Rand 185CFM Air Compresso 01 Ingersol Rand 185CFM Air Compresso 03 Ingersol Rand 185CFM Air Compresso 04 Ingersol Rand 185CFM Air Compresso 05 Ingersol Rand 185CFM Air Compresso 06 Sullair Drills (CP-22)
710 712 713 714 715 716 717 718 719 720 721 722 723 724 725 725 726 727 728	04 09 09 04 01 06 99 01 00	Sullair Sullair Efficency Gang Drill Gang Drill Gang Drill Ingersol Rand Ingersol Rand Sullair Arrow Gang Drill Sullair IR IR IR	185DPQ-PERK 185HDPQ-JD XLD-820 XLD-420 P185WJDU 185dpq-jd 1350 185DPQ-JD P185EWJD XP185EWJD	3/6/09 3/10/09 3/11/09 3/11/09 8/21/2012 8/21/2012 8/21/2012 8/21/2012	Mixer Air Comp Air Comp Trench Box Trench Box Gang Drill Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp	Concrete Mixer Mount on #146 Air Compressor Trench Box Trench Box Dowell Machine Air Compressor Air Compressor Air Compressor Concrete Breaker Wheel Mounted Wheel Mounted Mount on #2300 Spare	Field Tools Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment	Air Compressor 185 CFM w/ Perkins Air Compressor 185 CFM w/ John Deere 8 X 20 Trench Box 4 X 20 Trench Box 4 X 20 Trench Box Hydraulic Drill Model SK47 S5lb. 185 CFM AIR COMPRESSOR 185 CFM AIR COMPRESSOR 185 CFM AIR COMPRESSOR ARROW CONCRETE BREAKER 06 Sullair 185CFM Air Compressor 99 Ingersol Rand 185CFM Air Compressor 01 Ingersol Rand 185CFM Air Compressor 00 Ingersol Rand 185CFM Air Compressor
710 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 725 726 727 728 729	04 09 09 09 09 09 01 00 00	Sullair Sullair Efficency Efficency Gang Drill Gang Drill Ingersol Rand Ingersol Rand Sullair Arrow Gang Drill Sullair IR IR IR Gang Drill Gang Drill	185DPQ-PERK 185HDPQ-JD XLD-820 XLD-420 P185WJDU 185dpq-jd 1350 185DPQ-JD P185EWJD XP185EWJD	3/6/09 3/10/09 3/11/09 3/11/09 3/11/09 8/21/2012 8/21/2012 8/21/2012 8/21/2012	Mixer Air Comp Air Comp Trench Box Trench Box Gang Drill Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp	Concrete Mixer Mount on #146 Air Compressor Trench Box Trench Box Dowell Machine Air Compressor Air Compressor Air Compressor Concrete Breaker Wheel Mounted Wheel Mounted Wheel Mounted Mount on #2300 Spare Dowell Machine	Field Tools Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment	Air Compressor 185 CFM w/ Perkins Air Compressor 185 CFM w/ John Deere 8 X 20 Trench Box 4 X 20 Trench Box Hydraulic Drill Model SK47 S5lb, 185 CFM AIR COMPRESSOR 185 CFM AIR COMPRESSOR 185 CFM AIR COMPRESSOR ARROW CONCRETE BREAKER 06 Sullair 185CFM Air Compresso 01 Ingersol Rand 185CFM Air Compresso 01 Ingersol Rand 185CFM Air Compresso 01 Ingersol Rand 185CFM Air Compresso 03 Ingersol Rand 185CFM Air Compresso 04 Ingersol Rand 185CFM Air Compresso 05 Ingersol Rand 185CFM Air Compresso 06 Sullair Drills (CP-22)
710 712 713 714 715 716 717 718 719 720 721 722 722 723 724 725 726 727 728 729 730	04 09 09 09 09 09 01 00 00	Sullair Sullair Efficency Efficency Gang Drill Gang Drill Ingersol Rand Ingersol Rand Sullair Gang Drill IR IR IR Gang Drill Woodings	185DPQ-PERK 185HDPQ-JD XLD-820 XLD-420 P185WJDU 185dpq-jd 1350 185DPQ-JD P185EWJD XP185EWJD	3/6/09 3/10/09 3/11/09 3/11/09 3/11/09 8/21/2012 8/21/2012 8/21/2012 8/21/2012 5/16/13	Mixer Air Comp Air Comp Trench Box Trench Box Gang Drill Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp	Concrete Mixer Mount on #146 Air Compressor Trench Box Trench Box Dowell Machine Air Compressor Air Compressor Air Compressor Concrete Breaker Wheel Mounted Wheel Mounted Mount on #2300 Spare Dowell Machine	Field Tools Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment	Air Compressor 185 CFM w/ Perkins Air Compressor 185 CFM w/ John Deere 8 X 20 Trench Box 4 X 20 Trench Box 4 X 20 Trench Box Hydraulic Drill Model SK47 S5lb. 185 CFM AIR COMPRESSOR 185 CFM AIR COMPRESSOR 185 CFM AIR COMPRESSOR ARROW CONCRETE BREAKER 06 Sullair 185CFM Air Compressor 99 Ingersol Rand 185CFM Air Compresso 01 Ingersol Rand 185CFM Air Compresso 3-Gang Air Drills (CP-22) 5-Gang Drill
710 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 725 726 727 728 729 729 730 731	04 09 04 01 06 99 01 00	Sullair Sullair Efficency Efficency Gang Drill Gang Drill Ingersol Rand Ingersol Rand Sullair Gang Drill IR IR IR Gang Drill Woodings	185DPQ-PERK 185HDPQ-JD XLD-820 XLD-420 P185WJDU 185dpq-jd 1350 185DPQ-JD P185EWJD XP185EWJD	3/6/09 3/10/09 3/11/09 3/11/09 3/11/09 8/21/2012 8/21/2012 8/21/2012 8/21/2012 5/16/13	Mixer Air Comp Air Comp Trench Box Trench Box Gang Drill Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp	Concrete Mixer Mount on #146 Air Compressor Trench Box Trench Box Dowell Machine Air Compressor Air Compressor Air Compressor Concrete Breaker Wheel Mounted Wheel Mounted Mount on #2300 Spare Dowell Machine	Field Tools Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment	Air Compressor 185 CFM w/ Perkins Air Compressor 185 CFM w/ John Deere 8 X 20 Trench Box 4 X 20 Trench Box 4 X 20 Trench Box Hydraulic Drill Model SK47 S5lb. 185 CFM AIR COMPRESSOR 185 CFM AIR COMPRESSOR 185 CFM AIR COMPRESSOR ARROW CONCRETE BREAKER 06 Sullair 185CFM Air Compressor 99 Ingersol Rand 185CFM Air Compresso 01 Ingersol Rand 185CFM Air Compresso 3-Gang Air Drills (CP-22) 5-Gang Drill
710 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 725 726 727 728 729 730 731 732	04 09 04 01 06 99 01 00	Sullair Sullair Efficency Efficency Gang Drill Gang Drill Ingersol Rand Ingersol Rand Sullair Sullair Sullair IR IR IR Gang Drill Woodings Tamrock Arrow	185DPQ-PERK 185HDPQ-JD XLD-820 XLD-420 P185WJDU 185dpq-jd 1350 P185EWJD P185EWJD P185EWJD 1250	3/6/09 3/10/09 3/11/09 3/11/09 3/11/09 8/21/2012 8/21/2012 8/21/2012 8/21/2012 5/16/13 5/16/13	Mixer Air Comp Air Comp Trench Box Trench Box Gang Drill Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Gang Drill Gang Drill Concrete Breaker	Concrete Mixer Mount on #146 Air Compressor Trench Box Dowell Machine Air Compressor Air Compressor Air Compressor Concrete Breaker Wheel Mounted Wheel Mounted Wheel Mounted Mount on #2300 Spare Dowell Machine Dowell Machine Dowell Machine	Field Tools Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment	Air Compressor 185 CFM w/ Perkins Air Compressor 185 CFM w/ John Deere 8 X 20 Trench Box 4 X 20 Trench Box 4 X 20 Trench Box Hydraulic Drill Model SK47 S5lb. 185 CFM AIR COMPRESSOR 185 CFM AIR COMPRESSOR 185 CFM AIR COMPRESSOR ARROW CONCRETE BREAKER 06 Sullair 185CFM Air Compressor 99 Ingersol Rand 185CFM Air Compresso 01 Ingersol Rand 185CFM Air Compresso 00 Ingersol Rand 185CFM Air Compresso 3-Gang Air Drills (CP-22) 5-Gang Drill 5-Gang Drill ARROW CONCRETE BREAKER
710 712 713 714 715 716 717 718 719 720 721 722 723 724 723 724 725 726 727 728 729 730 731 732	04 09 04 01 06 99 01 00	Sullair Sullair Efficency Gang Drill Gang Drill Gang Drill Ingersol Rand Ingersol Rand Sullair Arrow Gang Drill Sullair IR IR IR IR Gang Drill Woodings Tamrock	185DPQ-PERK 185HDPQ-JD XLD-820 XLD-820 XLD-420 P185WJDU 185dpq-jd 1350 185DPQ-JD P185EWJD XP185EWJD P185EWJD	3/6/09 3/10/09 3/11/09 3/11/09 3/11/09 8/21/2012 8/21/2012 8/21/2012 8/21/2012 5/16/13 5/16/13	Mixer Air Comp Air Comp Trench Box Trench Box Gang Drill Air Comp Air Comp Concrete Breaker Air Comp Air Comp Air Comp Air Comp Air Comp Gang Drill Gang Drill	Concrete Mixer Mount on #146 Air Compressor Trench Box Dowell Machine Air Compressor Air Compressor Air Compressor Air Compressor Concrete Breaker Wheel Mounted Wheel Mounted Wheel Mounted Mount on #2300 Spare Dowell Machine Dowell Machine	Field Tools Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment	Air Compressor 185 CFM w/ Perkins Air Compressor 185 CFM w/ John Deere 8 X 20 Trench Box 4 X 20 Trench Box 4 X 20 Trench Box Hydraulic Drill Model SK47 S5lb. 185 CFM AIR COMPRESSOR 185 CFM AIR COMPRESSOR 185 CFM AIR COMPRESSOR ARROW CONCRETE BREAKER 06 Sullair 185CFM Air Compressor 99 Ingersol Rand 185CFM Air Compressor 00 Ingersol Rand 185CFM Air Compressor 00 Ingersol Rand 185CFM Air Compressor 00 Ingersol Rand 185CFM Air Compressor 3-Gang Air Drills (CP-22) 5-Gang Drill S-Gang Drill ARROW CONCRETE BREAKER
710 712 713 714 715 716 717 718 719 720 721 722 723 724 725 723 724 725 726 727 728 727 728 729 730 731 732	04 09 04 01 06 99 01 00	Sullair Sullair Efficency Efficency Gang Drill Gang Drill Ingersol Rand Ingersol Rand Sullair Sullair Sullair IR IR IR Gang Drill Woodings Tamrock Arrow	185DPQ-PERK 185HDPQ-JD XLD-820 XLD-420 P185WJDU 185dpq-jd 1350 P185EWJD P185EWJD P185EWJD 1250	3/6/09 3/10/09 3/11/09 3/11/09 3/11/09 8/21/2012 8/21/2012 8/21/2012 8/21/2012 5/16/13 5/16/13	Mixer Air Comp Air Comp Trench Box Trench Box Gang Drill Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Gang Drill Gang Drill Concrete Breaker	Concrete Mixer Mount on #146 Air Compressor Trench Box Dowell Machine Air Compressor Air Compressor Air Compressor Concrete Breaker Wheel Mounted Wheel Mounted Wheel Mounted Mount on #2300 Spare Dowell Machine Dowell Machine Dowell Machine	Field Tools Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment	Air Compressor 185 CFM w/ Perkins Air Compressor 185 CFM w/ John Deere 8 X 20 Trench Box 4 X 20 Trench Box 4 X 20 Trench Box Hydraulic Drill Model SK47 S5lb. 185 CFM AIR COMPRESSOR 185 CFM AIR COMPRESSOR 185 CFM AIR COMPRESSOR 185 CFM AIR COMPRESSOR ARROW CONCRETE BREAKER 06 Sullair 185CFM Air Compressor 99 Ingersol Rand 185CFM Air Compresso 01 Ingersol Rand 185CFM Air Compresso 01 Ingersol Rand 185CFM Air Compresso 3-Gang Air Drills (CP-22) 5-Gang Drill 5-Gang Drill ARROW CONCRETE BREAKER
710 712 713 714 715 716 717 718 719 720 721 722 722 723 724 725 726 727 728 729 730 731 732 731 732	04 09 04 01 06 99 01 00	Sullair Sullair Efficency Efficency Gang Drill Gang Drill Ingersol Rand Ingersol Rand Sullair Sullair Sullair IR IR IR Gang Drill Woodings Tamrock Arrow	185DPQ-PERK 185HDPQ-JD XLD-820 XLD-420 P185WJDU 185dpq-jd 1350 P185EWJD P185EWJD P185EWJD 1250	3/6/09 3/10/09 3/11/09 3/11/09 3/11/09 8/21/2012 8/21/2012 8/21/2012 8/21/2012 5/16/13 5/16/13	Mixer Air Comp Air Comp Trench Box Trench Box Gang Drill Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Gang Drill Gang Drill Concrete Breaker	Concrete Mixer Mount on #146 Air Compressor Trench Box Dowell Machine Air Compressor Air Compressor Air Compressor Concrete Breaker Wheel Mounted Wheel Mounted Wheel Mounted Mount on #2300 Spare Dowell Machine Dowell Machine Dowell Machine	Field Tools Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment	Air Compressor 185 CFM w/ Perkins Air Compressor 185 CFM w/ John Deere 8 X 20 Trench Box 4 X 20 Trench Box 4 X 20 Trench Box Hydraulic Drill Model SK47 S5lb. 185 CFM AIR COMPRESSOR 185 CFM AIR COMPRESSOR 185 CFM AIR COMPRESSOR ARROW CONCRETE BREAKER 06 Sullair 185CFM Air Compressor 99 Ingersol Rand 185CFM Air Compressor 00 Ingersol Rand 185CFM Air Compressor 00 Ingersol Rand 185CFM Air Compressor 00 Ingersol Rand 185CFM Air Compressor 3-Gang Air Drills (CP-22) 5-Gang Drill S-Gang Drill ARROW CONCRETE BREAKER
710 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 730 731 732 730 731 732 730 731 732 730 731 732 730 731 732	04 09 04 01 06 99 01 00	Sullair Sullair Efficency Efficency Gang Drill Gang Drill Ingersol Rand Ingersol Rand Sullair Sullair Sullair IR IR IR Gang Drill Woodings Tamrock Arrow	185DPQ-PERK 185HDPQ-JD XLD-820 XLD-420 P185WJDU 185dpq-jd 1350 P185EWJD P185EWJD P185EWJD 1250	3/6/09 3/10/09 3/11/09 3/11/09 3/11/09 8/21/2012 8/21/2012 8/21/2012 8/21/2012 5/16/13 5/16/13	Mixer Air Comp Air Comp Trench Box Trench Box Gang Drill Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Gang Drill Gang Drill Concrete Breaker	Concrete Mixer Mount on #146 Air Compressor Trench Box Dowell Machine Air Compressor Air Compressor Air Compressor Concrete Breaker Wheel Mounted Wheel Mounted Wheel Mounted Mount on #2300 Spare Dowell Machine Dowell Machine Dowell Machine	Field Tools Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment	Air Compressor 185 CFM w/ Perkins Air Compressor 185 CFM w/ John Deere 8 X 20 Trench Box 4 X 20 Trench Box 4 X 20 Trench Box Hydraulic Drill Model SK47 S5lb. 185 CFM AIR COMPRESSOR 185 CFM AIR COMPRESSOR 185 CFM AIR COMPRESSOR ARROW CONCRETE BREAKER 06 Sullair 185CFM Air Compressor 99 Ingersol Rand 185CFM Air Compressor 00 Ingersol Rand 185CFM Air Compressor 00 Ingersol Rand 185CFM Air Compressor 00 Ingersol Rand 185CFM Air Compressor 3-Gang Air Drills (CP-22) 5-Gang Drill S-Gang Drill ARROW CONCRETE BREAKER
710 712 713 714 715 715 716 717 718 719 720 721 722 723 723 723 724 725 725 726 727 725 726 727 728 729 730 731 732 733 731 732 730 731 732 730 731 732 730 731 732 730 731 732 733 733 733 733 733 733 733 733 733	04 09 04 01 06 99 01 00	Sullair Sullair Efficency Efficency Gang Drill Gang Drill Ingersol Rand Ingersol Rand Sullair Sullair Sullair IR IR IR Gang Drill Woodings Tamrock Arrow	185DPQ-PERK 185HDPQ-JD XLD-820 XLD-420 P185WJDU 185dpq-Jd 1350 P185EWJD P185EWJD P185EWJD 1250 300	3/6/09 3/10/09 3/11/09 3/11/09 3/11/09 8/21/2012 8/21/2012 8/21/2012 8/21/2012 5/16/13 5/16/13	Mixer Air Comp Air Comp Trench Box Trench Box Gang Drill Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Concrete Breaker Gang Drill Gang Drill Gang Drill	Concrete Mixer Mount on #146 Air Compressor Trench Box Dowell Machine Air Compressor Air Compressor Air Compressor Concrete Breaker Wheel Mounted Wheel Mounted Wheel Mounted Mount on #2300 Spare Dowell Machine Dowell Machine Dowell Machine Concrete Breaker	Field Tools Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment	Air Compressor 185 CFM w/ Perkins Air Compressor 185 CFM w/ John Deere 8 X 20 Trench Box 4 X 20 Trench Box 4 X 20 Trench Box Hydraulic Drill Model SK47 S5lb. 185 CFM AIR COMPRESSOR 185 CFM AIR COMPRESSOR 185 CFM AIR COMPRESSOR 185 CFM AIR COMPRESSOR ARROW CONCRETE BREAKER 06 Sullair 185CFM Air Compressor 99 Ingersol Rand 185CFM Air Compresso 01 Ingersol Rand 185CFM Air Compresso 3-Gang Air Drills (CP-22) 5-Gang Drill 5-Gang Drill 5-Gang Drill ARROW CONCRETE BREAKER CEMENT SILO DUST COLLECTOR
710 712 713 714 715 716 717 718 719 720 721 722 723 724 723 724 725 725 726 727 728 729 730 731 732 730 731 732	04 09 04 01 06 99 01 00	Sullair Sullair Efficency Gang Drill Gang Drill Gang Drill Ingersol Rand Ingersol Rand Sullair Arrow Gang Drill Sullair IR IR IR Gang Drill Woodings Tamrock Arrow	185DPQ-PERK 185HDPQ-JD XLD-820 XLD-820 XLD-420 P185WJDU 185dpq-jd 1350 185DPQ-JD P185EWJD XP185EWJD P185EWJD 1250 300 GRANSEM SILO	3/6/09 3/10/09 3/11/09 3/11/09 3/11/09 8/21/2012 8/21/2012 8/21/2012 8/21/2012 5/16/13 5/16/13	Mixer Air Comp Air Comp Trench Box Trench Box Gang Drill Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Gang Drill Gang Drill Concrete Breaker	Concrete Mixer Mount on #146 Air Compressor Trench Box Dowell Machine Air Compressor Air Compressor Air Compressor Concrete Breaker Wheel Mounted Wheel Mounted Wheel Mounted Mount on #2300 Spare Dowell Machine Dowell Machine Dowell Machine	Field Tools Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment	Air Compressor 185 CFM w/ Perkins Air Compressor 185 CFM w/ John Deere 8 X 20 Trench Box 4 X 20 Trench Box 4 X 20 Trench Box Hydraulic Drill Model SK47 S5lb. 185 CFM AIR COMPRESSOR 185 CFM AIR COMPRESSOR 185 CFM AIR COMPRESSOR ARROW CONCRETE BREAKER 06 Sullair 185CFM Air Compressor 99 Ingersol Rand 185CFM Air Compressor 01 Ingersol Rand 185CFM Air Compressor 3-Gang Air Drills (CP-22) 5-Gang Drill ARROW CONCRETE BREAKER CEMENT SILO
709 710 712 713 714 715 715 716 717 717 718 717 718 727 728 729 722 723 724 725 726 727 728 729 726 727 728 729 730 731 731 732 730 731 732 730 731 732 730 731 732 730 731 732 730 731 732 730 731 732 730 731 732 730 731 732 730 731 732 730 731 732 730 731 732 730 731 732 730 731 732 730 731 732 730 731 732 730 731 732 733 732 730 731 732 730 730 731 732 730 730 731 732 730 730 730 730 730 730 730 730 730 730	04 09 04 01 06 99 01 00	Sullair Sullair Efficency Efficency Gang Drill Gang Drill Ingersol Rand Ingersol Rand Sullair Arrow Gang Drill Sullair IR IR Gang Drill Woodings Tarrock Arrow Helco	185DPQ-PERK 185HDPQ-JD XLD-820 XLD-820 XLD-420 P185WJDU 185dpq-jd 1350 185DPQ-JD P185EWJD P185EWJD P185EWJD P185EWJD 200 200 200 200 200 200 200 20	3/6/09 3/10/09 3/11/09 3/11/09 3/11/09 8/21/2012 8/21/2012 8/21/2012 8/21/2012 5/16/13 5/16/13	Mixer Air Comp Air Comp Trench Box Gang Drill Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Gang Drill Gang Drill Gang Drill Gang Drill Plant	Concrete Mixer Mount on #146 Air Compressor Trench Box Dowell Machine Air Compressor Air Compressor Concrete Breaker Wheel Mounted Wheel Mounted Wheel Mounted Mount on #2300 Spare Dowell Machine Dowell Machine Concrete Breaker Gransem Silo	Field Tools Equipment	Air Compressor 185 CFM w/ Perkins Air Compressor 185 CFM w/ John Deere 8 X 20 Trench Box 4 X 20 Trench Box 4 X 20 Trench Box Hydraulic Drill Model SK47 55lb. 185 CFM AIR COMPRESSOR 185 CFM AIR COMPRESSOR 185 CFM AIR COMPRESSOR 185 CFM AIR COMPRESSOR ARROW CONCRETE BREAKER 06 Sullair 185CFM Air Compressor 99 Ingersol Rand 185CFM Air Compresso 01 Ingersol Rand 185CFM Air Compresso 03-Gang Air Orills (CP-22) 5-Gang Drill 5-Gang Drill 5-Gang Drill ARROW CONCRETE BREAKER CEMENT SILO DUST COLLECTOR GRANSEM SILO
710 712 713 714 715 716 717 718 719 720 721 722 723 724 723 724 725 725 726 727 728 729 730 731 732 730 731 732	04 09 09 04 01 01 00 00 01 00	Sullair Sullair Efficency Gang Drill Gang Drill Gang Drill Ingersol Rand Ingersol Rand Sullair Arrow Gang Drill Sullair IR IR IR Gang Drill Woodings Tamrock Arrow	185DPQ-PERK 185HDPQ-JD XLD-820 XLD-820 XLD-420 P185WJDU 185dpq-jd 1350 185DPQ-JD P185EWJD XP185EWJD P185EWJD 1250 300 GRANSEM SILO	3/6/09 3/10/09 3/11/09 3/11/09 3/11/09 8/21/2012 8/21/2012 8/21/2012 8/21/2012 5/16/13 5/16/13	Mixer Air Comp Air Comp Trench Box Trench Box Gang Drill Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Air Comp Concrete Breaker Gang Drill Gang Drill Gang Drill	Concrete Mixer Mount on #146 Air Compressor Trench Box Dowell Machine Air Compressor Air Compressor Air Compressor Concrete Breaker Wheel Mounted Wheel Mounted Wheel Mounted Mount on #2300 Spare Dowell Machine Dowell Machine Dowell Machine Concrete Breaker	Field Tools Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment Equipment	Air Compressor 185 CFM w/ Perkins Air Compressor 185 CFM w/ John Deere 8 X 20 Trench Box 4 X 20 Trench Box 4 X 20 Trench Box Hydraulic Drill Model SK47 S5lb. 185 CFM AIR COMPRESSOR 185 CFM AIR COMPRESSOR 185 CFM AIR COMPRESSOR ARROW CONCRETE BREAKER 06 Sullair 185CFM Air Compressor 99 Ingersol Rand 185CFM Air Compresso 01 Ingersol Rand 185CFM Air Compresso 03 Gang Air Drills (CP-22) 5-Gang Drill 5-Gang Drill ARROW CONCRETE BREAKER CEMENT SILO DUST COLLECTOR

ID No.		Yr	Make	Model	Purchase	CATEGORY	APPLCATION	CLASS	Description
7009			FABRICATED	CEMENT SILO	8/7/12	Plant	Gransem Silo	Equipment	
7010			FABRICATED	CEMENT SILO	8/7/12	Plant	Gransem Silo	Equipment	
7011				DUST COLLECTOR					
1				and a field for the field of the	5/22/08	Storage		Field	20' Storage Container
					5/22/08	Storage		Field	20' Storage Container
					11/25/08	Storage		Field	20' Storage Container
				····	11/25/08	Storage		Field	20' Storage Container
•									······································
						·····			
181		81	MBW	AP200	1/1/81	Plate Compactor			MBW MODEL AP-200 COMPACT
184					1/1/1990	Plate Compactor		}	STONE COMPACTOR SR34
0 185						Plate Compactor			STONE COMPACTOR SR34
188			MBW	AP200	6/3/98	Plate Compactor			J KELLY COMPACTOR
189			MBW	AP200	1/1/99	Plate Compactor		-	MBW AP2000 COMPACTOR
190			MBW	AP200	1/1/99	Plate Compactor			MBW AP2000 COMPACTOR
200			Miller			Welder	Welder	Shop Equipment	MILLER BOBCAT 225 NT
201			Uncoin		•••••••	Welder	Welder	Shop Equipment	LINCOLN 200
202			Lincoln			Welder	Welder	Shop Equipment	LINCOLN 200
202			Lincoln			Welder	Welder	Shop Equipment	LINCOLN 225
203							IN CIVEI	enep squipment	
204			•						
205					h				· · · · · · · · · · · · · · · · · · ·
206					<u>{</u>				
207									
208						Cement Mixer	Cement Mixer	Field Tools	MIXER
209			• • • • • • • • • • • • • • • • • • •			Generator	Cement Mixer	Field Tools	GENERATOR
210						Generator			
211						Generator		Field Tools	GENERATOR
					ļ				
213									
214					÷				
215]			ļ				
216									-
217						Canad Plants		Charles 1	
218						Sand Blaster	Sand Blaster	Shop Equipment	SAND BLASTER
220			Lincoln			Welder	Wire Feed Welder	Shop Equipment	LINCOLN PORTABLE FEEDER
224				14		Misc Equip			KELLY MACHINE
225					ļ	Misc Equip			PORTABLE WATER GRINDER
226						Misc Equip			KELLY TRU-STRIKE
227						Small Equip			PORTABLE SPRAY PUMP(CURE)
229		-				Trowell	Trowel	Field Tools	FINISH MACHINE
230						Trowell	Trowel	Field Tools	FINISH MACHINE
231						Trowell	Trowel	Field Tools	FINISH MACHINE
232						Trowell	Trowel	Field Tools	FINISH MACHINE
233						Trowell	Trowel	Field Tools	FINISH MACHINE
234						Trowell	Trowel	Field Tools	FINISH MACHINE
235						Trowell	Trowel	Field Tools	FINISH MACHINE
236						Trowell	Trowel	Field Tools	FINISH MACHINE
243						Paver	Tail Drag	Equipment	TAIL DRAG
244	1					Plate Compactor		ļ	COMPACTOR
245						Plate Compactor			COMPACTOR
247		!	Stihl			Saw			STIHL CUT OFF SAW
248						Misc Equip			2 ROUTER MACHINES
253						Plate Compactor			COMPACTOR
254			Target			Concrete Saw			TARGET SAW 18
255			Target			Concrete Saw			TARGET SAW
267						Water Pump			WATER PUMP
273						Plate Compactor			COMPACTOR
274	1					Plate Compactor			COMPACTOR
276						Pneumatic Tools		1	JACK HAMMER & ROCK DRILLS
277			Viking			Welder	Mig Welder	Shop Equipment	VIKING MIG WELDER
278						Misc Equip			PIPE SLING
279	-	1	IR			Misc Equip			TRANSIT
280		92		P185CWJD		Air Comp	Mount on #2302	Equipment	INGERSOLL-RAND
281						Attachment	Loader Forks	Equipment	LOADER FORKS
282						Attachment	Loader Forks	Equipment	LOADER FORKS
287						Generator			GENERATOR
288		÷	Uncoln			Welder			LINCOLN WELDER
290	4		Bartco		5/30/06	Mill		· · · · · · · · · · · · · · · · · · ·	MILL CUTTER-BARTCO 160 12"
292					5/1/98	Misc Equip			MED-KAS BUILT PATCH PULLERS
292	•••••		Tsurumi		-1 +1 20	Water Pump			3" TSURUMI DIAPHRAGM PUMP
						the second second second processing of the second sec			the second s
294			Tsurumi Tsurumi		·	Water Pump		L	2" TSURUMI SUBMERSE PUMP
295	· ļ	· · •	Tsurumi			Water Pump			2" TSURUMI SUBMERSE PUMP
296					2/0/25 **	Misc Equip			LT8300P TRANSIT
303 315			•••••••••••		3/8/2000	Misc Equip			WATERMAIN PRESSURE TESTER
					7/1/00	Misc Equip			D S BROWN JOINT



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RICK SNYDER GOVERNOR STATE OF MICHIGAN 2013

KIRK T. STEUDLE DIRECTOR

May 31, 2013

00891

Florence Cement Company 12585 23 Mile Rd Shelby Township MI 48315-2623

(586)997-2666

Dear Vendor:

In accordance with our Administrative Rules we have established your numerical rating which is based on a financial rating of \$50,883,000.00, covering the classifications in the amounts stated below. This prequalification rating is effective until April 30, 2015.

50883	В	- Concrete Pavement
50883	Ba	- Concrete Pavement Patching And Widening
50883	Cb	- Hot Mix Asphalt/Bituminous Paving
50883	Ea	- Grading, Drainage Structures & Agg. Cons
1000	I	- Sodding And Seeding/Turf Establishment
50883	J	- Concrete C, C&G, Driveways, Sidewalks
50883	ĸ	- Sewers and Watermains
100	N91A	- Bridge Deck Repair
100	N91C	- Concrete Structure Repair
2000	N93A	- Cold Milling
1000	N93G	- Joint Repair

It will be assumed that the rating is satisfactory unless the Prequalification Committee is notified in writing to the contrary within 15 days after the bidder has been advised of the rating granted. The Department, may declare a prequalified bidder ineligible to bid at any time because of developments subsequent to prequalification which, in their opinion, would affect the responsibility of the bidder or their ability to perform the contract work.

> Jill D. Mullins Manager Construction Contracts Section Contract Services Division

Redeived: Apr. 29. 2015 10:48AM

No. 1735 P. 1



RICK SNYDER GOVERNOR STATE OF MICHIGAN DEPARTMENT OF TRANSPORTATION LANSING

KIRK T. STEUDLE

April 29, 2015

Florence Cement Company 00891

FAX CONFIRMATION - 586-997-3966

This is in response to your request for an extension of your prequalification rating with the Michigan Department of Transportation.

Your present rating will remain in effect until <u>June 30, 2015</u>. If we have not received your application postmarked by that date, your prequalification will lapse.

Reminder, please do not bind any of the Construction Prequalification Application, Financials or additional information; and keep in page order.

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Pauline Bouck Construction Prequalification Unit Assistant Contract Services Division 517-335-4281 (direct line) 517-241-4193 (fax line) bouckp@michigan.gov

cc: File

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LH-LAN-0 (01/11)