



December 2, 2016

**ADDENDUM #1**  
**Lewis Avenue Resurfacing (14<sup>th</sup> Street to Belvidere Street)**  
**SECTION 16-00082-08-RS**  
**Lake County Division of Transportation**  
**Opening Time and Date:**  
**Tuesday, December 13, 2016; 10:00 a.m.**

To all bidders:

Please remove the following pages of the Bid Package documents and replace them with the attached revised pages:

- Contract Specifications, Pages 6 & 7
  - Article 107.09 Public Convenience and Safety (LCDOT) has been revised to allow for closure of the outside lanes during construction.
- Contract Specifications, Pages 10 & 11
  - Article 107.27 Insurance (LCDOT) has been revised to modify the insurance requirements.
- Contract Plans, Sheets 5, 6 & 8
  - The quantity for Temporary Ramps has changed from 759 SY to 1163 SY.
  - Temporary ramps have been added at the lane line drop-off at all drives.
  - Temporary ramps have been added at cross/side streets.
- Contract Plans, Sheet 15
  - LC7201 has been added to Applicable Standards (Driveway Signs shall be included throughout the outer lane closures).
- Contract Plans, Sheet 44
  - The sheet has been renumbered to 44a
- Contract Plans, Sheet 44b
  - This plan sheet has been added to include LCDOT Standard Detail LC7201.
- The CBID has been revised to reflect the Temporary Ramp quantity revision. Please use the CBID dated December 2, 2016 when preparing your bid.

Very truly yours,

Michael G. Zemaitis, P.E.  
Engineer of Design

**ARTICLE 107.08 SANITARY PROVISIONS (LCDOT)**

Effective: October 17, 2016

The Contractor shall provide temporary toilet facilities for the use of all the Contractors' personnel employed on the work site, and shall maintain same in a proper sanitary condition. The temporary facilities shall include hand sanitizing stations. At the completion of the project, the facilities shall be removed and the premises left clean. The Engineer shall approve the location of the temporary toilets.

**ARTICLE 107.09 PUBLIC CONVENIENCE AND SAFETY (LCDOT)**

The Contractor shall limit public inconveniences and safety conflicts according to Article 107.09 of the "Standard Specifications" and the following:

**Keeping Roads Open to Traffic:**

*For this project the Contractor shall maintain traffic according to the Traffic Control Plan shown on the plans. The outside lanes shall be closed with the use of signs, barricades, and arrow boards as shown on the Traffic Control Standards. The duration of the closure shall be from the start of construction until the surface has been installed with all required short term pavement markings (Pavement Marking Tape Type III). During this time, the Contractor shall maintain the inside through lanes (one in each direction) and all left turn lanes. Work within the lane closures may be from 7:00 am to 7:00 pm Monday through Saturday.*

*The Contractor shall limit flagging operations affecting the open lanes i.e. flagging for vehicles entering or leaving the construction site etc..., to the following times:*

<i>Monday - Friday</i>	<i>9:00 am</i>	<i>to</i>	<i>3:00 pm</i>
<i>Saturday</i>	<i>7:00 am</i>	<i>to</i>	<i>7:00 pm</i>

*At all other times, including periods of no construction activity, the Contractor shall maintain the available traffic lanes.*

*If local and/or area conditions warrant the above times may be adjusted (i.e. lengthened or shortened) by the Engineer. To request a change the Contractor shall submit to the Engineer a plan including the revised start and end time a minimum of 48 hours prior to the proposed revision. The Engineer will notify the Contractor 24 hours in advance with an approval or disapproval.*

*If the Contractor fails to provide a plan and/or the Contractor disregards the decision by of the Engineer the Traffic Control Deficiency Charge will be applied as stated in the Special Provisions for Traffic Control and Protection.*

**Safety and Convenience:** *The Contractor shall maintain entrances along the proposed improvement. Interference with traffic movements and inconvenience to owners of abutting property and the public shall be kept to a minimum. Any delays or inconveniences caused by the Contractor, by complying with these requirements shall be considered as included in the unit bid prices of the contract and no additional compensation will be allowed.*

*Contractors shall plan their work so that there will be no open holes in the pavement and that all barricades will be removed from the roadway during non-working hours, except where required for public safety.*

*Steel road plates may be used as temporary cover over excavations. Anytime steel road plates are in the roadway these requirements apply:*

- *The steel road plate shall sit flat on the pavement and be free of defects and warping*
- *It shall be shimmed with a non-asphaltic material to prevent vertical movement*
- *If the steel road plate is not under constant surveillance, it shall be pinned to prevent horizontal movement by a minimum of 6 pins; 4 pins predrilled into the corners of the plates and 1 pin predrilled into each side parallel to the trench. Pins shall be drilled 3 inches into the pavement and not protrude above the pavement surface*
- *The steel road plate shall be at least 1 inch thick and large enough to allow a minimum of 1 foot of bearing on each side of the trench*
- *A one foot wide HMA surface course ramp shall be placed around the perimeter of the plate*
- *Multiple steel road plates shall be tack welded together to prevent separation if they are not under constant surveillance*
- *Appropriate advanced warning signs (W8-24 "STEEL PLATE AHEAD" and W8-1 "BUMP") are required*

*Steel road plates may be left in place overnight, in emergency situations and with the concurrence of the Engineer. Steel road plates left in place overnight shall be attached to the roadway by a minimum of 6 pins; 4 pins predrilled into the corners of the plates and 1 pin predrilled into each side parallel to the trench. Pins shall be drilled 3 inches into the pavement and not protrude above the pavement surface.*

*Steel road plates left in-place for more than 72 hours, shall also be:*

- *Recessed into the street surface the thickness of the steel road plate with no difference in elevation with the existing surface*
- *Secured in-place to prevent horizontal movement with HMA surface course between the existing pavement vertical edge and the steel road plate*

*Road plates shall not be used from November 15<sup>th</sup> to April 15<sup>th</sup> without approval from the Engineer.*

## **ARTICLE 107.27 INSURANCE (LCDOT)**

Effective: January 1, 2007

Revised: November 28, 2016

The Contractor shall obtain and thereafter keep in force insurance according to Article 107.27 of the "Standard Specifications" and the following:

The contractual liability insurance coverage shall be broad enough to respond to the liability assumed by the Contractor in the following Hold Harmless Clause:

### **Hold Harmless Clause**

*The Provider agrees to indemnify, save harmless and defend the County of Lake, its agents, servants, and employees and each of them against and hold it and them harmless from any and all lawsuits, claims, demands, liabilities, losses and expenses, including court costs and attorney's fees, for or on account of any injury to any person, or any death at any time resulting from such injury, or any damage to property, which may arise or which may be alleged to have arisen out of or in connection with the work covered by this contract. The foregoing indemnity shall apply except if such injury, death or damage is caused directly by the willful and wanton conduct of the County of Lake, its agents, servants, or employees or any other person indemnified hereunder.*

In the event the Contractor fails to obtain or maintain any insurance coverage required under this agreement, Lake County may purchase such insurance coverage and charge the expense thereof to the Contractor.

**ARTICLE 107.29 OPENING OF SECTION OF HIGHWAY TO TRAFFIC (LCDOT)**

Effective: January 1, 2007

Revised: May 19, 2014

Work under construction shall be opened to traffic according to Article 107.29 of the "Standard Specifications" and the following:

*The Contractor shall work expeditiously to open traffic lanes closed due to roadwork. The Engineer shall be the sole judge of when a lane is ready to be opened to traffic. The opening of a lane to traffic shall be in accordance to Section 107.29 of the "Standard Specifications".*

*Roadwork requiring a closure of a lane, which has been opened previously to traffic, will be allowed at the discretion of the Engineer and under the following conditions:*

- 1. The lane closure shall only be in effect while workers are present in or near the closed lane.*
- 2. The closed lane will be reopened to traffic at the end of the workday.*
- 3. All traffic control devices pertaining to the lane closure shall be removed from the roadway at the end of the workday.*

\* PLEASE NOTE THAT DUE TO THE CONDITION OF THE EXISTING PAVEMENT, WE ANTICIPATE USING MOST OF THE QUANTITIES FOR CLASS D PATCHES ON THE PROJECT.

**LEWIS AVENUE (14TH ST TO BELVIDERE ST) SUMMARY OF QUANTITIES AND INDEX OF SCHEDULES**

E	S	PAY CODE	DESCRIPTION	UNIT	QUANTITY	SCHEDULE #	SHEET	
		20800150	TRENCH BACKFILL	CU YD	82	27	14	
E	S	35101400	AGGREGATE BASE COURSE, TYPE B	TON	150	19	12	
		40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	19045	5	7	
E		40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGWAYS	TON	5	19	12	
E	S	40600535	LEVELING BINDER (HAND METHOD), N70	TON	5	19	12	
		40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	1035	3	7	
	S	40600990	TEMPORARY RAMP	SQ YD	1163	6	8	
		40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	1678	4	8	
	S	42001300	PROTECTIVE COAT	SQ YD	2156	20	13	
		42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	3160	18	11	
	S	42400800	DETECTABLE WARNINGS	SQ FT	123	13	11	
	S	44000159	HOT-MIX ASPHALT SURFACE REMOVAL 2 1/2"	SQ YD	19723	1	7	
E		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	460	19	12	
		44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1890	15	12	
		44000600	SIDEWALK REMOVAL	SQ FT	3160	17	11	
*	E	S	44201713	CLASS D PATCHES, TYPE I, 6 INCH	SQ YD	456	19	12
*	E	S	44201717	CLASS D PATCHES, TYPE II, 6 INCH	SQ YD	684	19	12
*	E	S	44201721	CLASS D PATCHES, TYPE III, 6 INCH	SQ YD	2053	19	12
*	E	S	44201723	CLASS D PATCHES, TYPE IV, 6 INCH	SQ YD	1369	19	12
		550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	212	27	14	
	S	56109210	WATER VALVES TO BE ADJUSTED	EACH	7	24	14	
	S	60100905	PIPE DRAINS 4"	FOOT	100	19	12	
	S	60100915	PIPE DRAINS 6"	FOOT	100	19	12	
	S	60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	316	26	14	
		60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	27	14	
		60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	27	14	
		60237470	INLETS, TYP A, TYPE 24 FRAME AND GRATE	EACH	1	27	14	
		60261320	INLETS TO BE ADJUSTED WITH NEW TYPE 11V F&G	EACH	7	21	13	
		60262700	INLETS TO BE RECONSTRUCTED	EACH	2	23	14	
	S	60603900	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (ABUTTING EXISTING PAVEMENT)	FOOT	1890	16	13	
E		66900205	SPECIAL WASTE DISPOSAL	CU YD	100	19	12	
E		66900400	SPECIAL WASTE GROUNDWATER DISPOSAL	GAL	100	19	12	
		66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1	-	-	
E		66900530	SOIL DISPOSAL ANALYSIS	EACH	4	19	12	
		67100100	MOBILIZATION	L SUM	1	-	-	
		70300100	SHORT TERM PAVEMENT MARKING	FOOT	14569	7	9	
		70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	291	9	9	
		70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	13427	9	9	
		70300230	TEMPORARY PAVEMENT MARKING - LINE 5"	FOOT	11396	9	10	
		70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	867	9	10	
		70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	770	9	10	
		70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	170	9	10	
		70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	3642	8	9	
	S	78000300	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	FOOT	311	11	11	
		78001120	PAINT PAVEMENT MARKING - LINE 5"	FOOT	11085	12	10	
	S	88600600	DETECTOR LOOP REPLACEMENT	FOOT	176	28	14	
		89502380	REMOVE EXISTING HANDHOLE	EACH	2	25	14	
	S	LC200051	REJECTED LOAD TRANSPORTATION	LOAD	2	-	-	
	S	LC780020	GROOVED THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	291	10	10	
	S	LC780021	GROOVED THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	13427	10	10	
	S	LC780023	GROOVED THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	867	10	11	
	S	LC780025	GROOVED THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	770	10	11	
	S	LC780026	GROOVED THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	170	10	11	
	S	X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	356	2	7	
	S	X6030205	FRAME AND GRATES TO BE ADJUSTED (SPECIAL)	EACH	42	24	14	
	S	X6700405	ENGINEERS'S FIELD OFFICE, TYPE A (MODIFIED)	CAL MO	3	-	-	
	S	X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	-	-	
	S	X7810300	RECESSED REFLECTIVE PAVEMENT MARKER	EACH	289	14	7	
	S	XX003168	WORK ZONE PAVEMENT MARKING REMOVAL, SPECIAL	FOOT	3642	8	9	
E	S	XX003435	PORTLAND CEMENT CONCRETE DRIVEWAY REMOVAL AND REPLACEMENT	SQ YD	50	19	12	
	S	XX006343	SEEDING (COMPLETE)	SQ YD	31	13	11	
E	S	XX206400	MAILBOX POST	EACH	5	19	12	
	S	Z0018400	DRAINAGE STRUCTURES TO BE ADJUSTED	EACH	4	22	14	
	E		ESTIMATED OR CONTINGENCY ITEM					
	S		REQUIRES SPECIAL PROVISION					

REVISIONS / REMARKS				
NO.	DESCRIPTION	DATE	BY	SURVEYOR:
I	ADDENDUM I	12/1/16		DSGNR/LIAISON:
		/ /		PLOTTED BY: hdsxs 12/1/2016

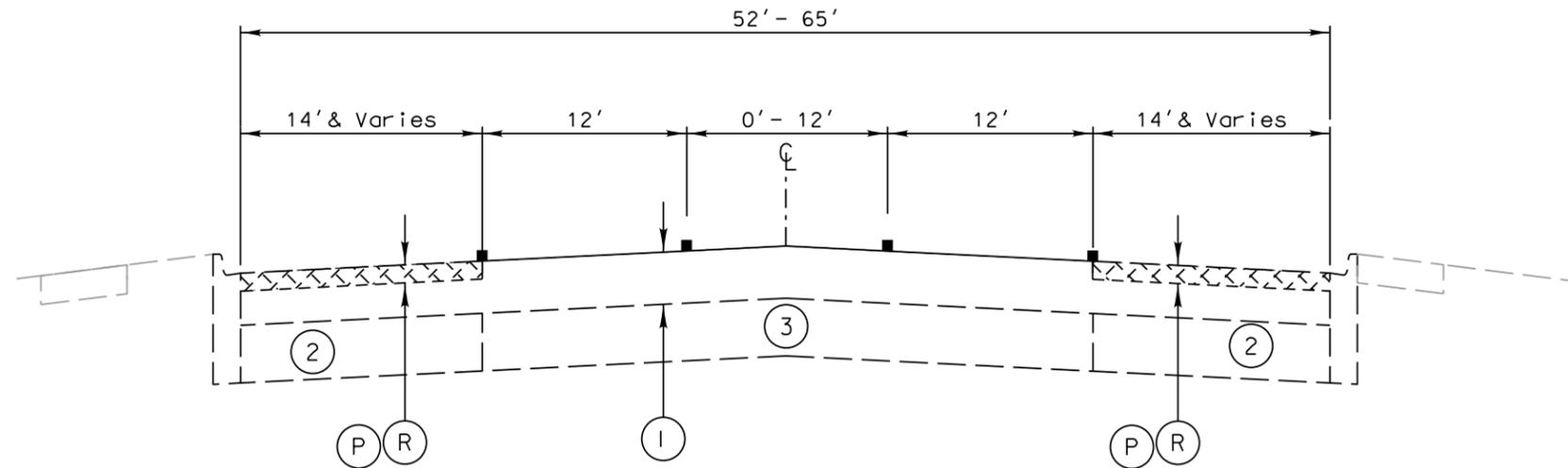
**LEWIS AVENUE RESURFACING**



**SUMMARY OF QUANTITIES**

**LEWIS AVENUE RESURFACING - 14TH ST TO BELVIDERE ST**

ROUTE	SECTION	SECTION NUMBER	SHEET	SHEETS
CH27	082	16-00082-08-RS	5	78



ONLY OUTER LANES TO BE RESURFACED  
FINAL CROSS SECTION

EXISTING PAVEMENT (FROM RECORDS):

- ① 4"-8" BITUMINOUS PAVEMENT
- ② 9"-12" STABILIZED AGG. MIX BASE
- ③ 8"-12" CONCRETE PAVEMENT

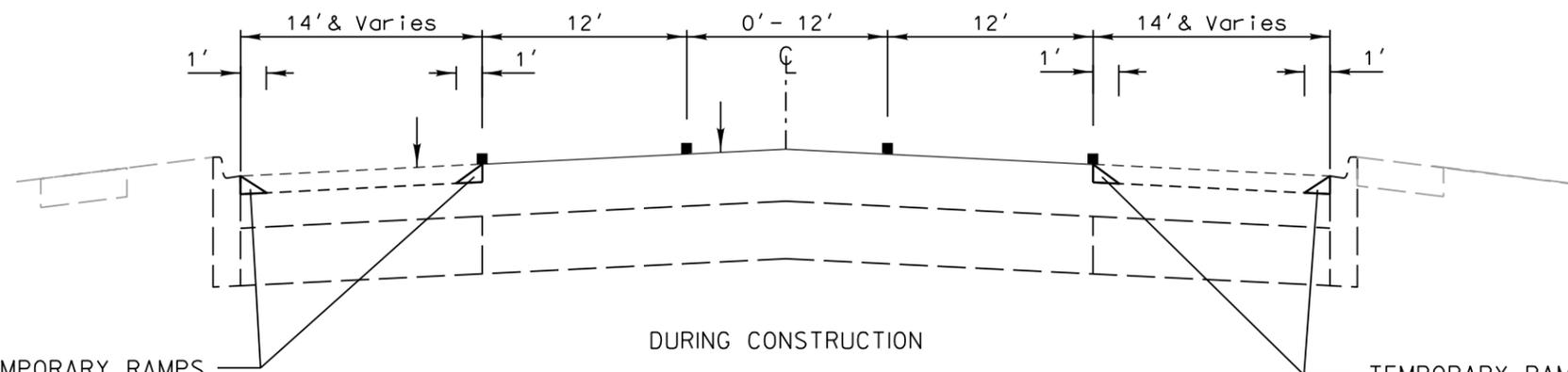
Temp. Ramp  
(Intermittent)

PAVEMENT REMOVAL:

- Ⓡ 2½" HMA SURFACE REMOVAL
- \*CLASS D PATCHING OF OUTER LANES WILL INCLUDE REMOVAL OF STABILIZED AGG. MIX BASE (POZZALONIC MIX)

PROPOSED OVERLAY:

- Ⓟ 1½" HMA SURFACE COURSE
- 1" POLYMERIZED LEVELING BINDER



TEMPORARY RAMPS  
AT DRIVES & STREETS

DURING CONSTRUCTION

TEMPORARY RAMPS  
AT DRIVES & STREETS

**LEWIS AVENUE**  
**STA 94+69.55 TO 154+87.60**

REVISIONS / REMARKS		DATE	BY	SURVEYOR:	
NO.	DESCRIPTION				/
1	ADDENDUM 1	12/ 1/16		DSGNR/LIAISON:	
		/ /		PLOTTED BY:	hdl8574 12/1/2016



LEWIS AVENUE RESURFACING



**TYPICAL SECTIONS**  
LEWIS AVENUE RESURFACING - 14TH ST TO BELVIDERE ST

ROUTE	SECTION	SECTION NUMBER	SHEET	SHEETS
CH27	082	16-00082-08-RS	6	78

6 TEMPORARY RAMP						
STATION	TYPE	LT/RT	LENGTH (FEET)	AVG WIDTH (FEET)	AREA (SQ. FT.)	AREA (SQ. YDS.)
<b>Driveways</b>						
95+16	Major	LT	30.0	14.0	420.0	46.7
95+16	Major	RT	30.0	14.0	420.0	46.7
95+27	Major	RT	33.0	1.0	33.0	3.7
96+07	Major	RT	33.0	1.0	33.0	3.7
96+61	Minor	RT	38.0	1.0	38.0	4.2
97+18	Major	RT	34.0	1.0	34.0	3.8
98+17	Major	RT	36.0	1.0	36.0	4.0
100+44	Major	RT	36.0	1.0	36.0	4.0
100+92	Major	RT	36.0	1.0	36.0	4.0
102+05	Major	LT	15.0	1.0	15.0	1.7
103+09	Minor	LT	17.0	1.0	17.0	1.9
111+26	Major	LT	34.0	1.0	34.0	3.8
111+33	Major	RT	57.0	1.0	57.0	6.3
112+88	Major	LT	30.0	1.0	30.0	3.3
114+65	Major	RT	33.0	1.0	33.0	3.7
115+32	Major	RT	35.0	1.0	35.0	3.9
117+40	Major	RT	45.0	1.0	45.0	5.0
119+49	Major	RT	35.0	1.0	35.0	3.9
121+54	Major	LT	63.0	1.0	63.0	7.0
122+21	Major	RT	44.0	1.0	44.0	4.9
122+42	Major	LT	28.0	1.0	28.0	3.1
122+72	Major	RT	13.0	1.0	13.0	1.4
123+34	Major	RT	20.0	1.0	20.0	2.2
128+96	Major	LT	18.0	1.0	18.0	2.0
129+86	Major	LT	22.0	1.0	22.0	2.4
131+60	Major	LT	39.0	1.0	39.0	4.3
132+77	Major	LT	35.0	1.0	35.0	3.9
137+52	Major	RT	15.0	1.0	15.0	1.7
137+88	Major	LT	31.0	1.0	31.0	3.4
139+30	Major	LT	31.0	1.0	31.0	3.4
139+30	Major	RT	47.0	1.0	47.0	5.2
142+34	Major	LT	28.0	1.0	28.0	3.1
143+14	Major	RT	57.0	1.0	57.0	6.3
143+16	Major	LT	28.0	1.0	28.0	3.1
144+62	Major	RT	32.0	1.0	32.0	3.6
145+30	Major	RT	30.0	1.0	30.0	3.3
145+58	Major	LT	32.0	1.0	32.0	3.6
146+53	Major	LT	38.0	1.0	38.0	4.2
146+74	Major	RT	41.0	1.0	41.0	4.6
147+45	Major	LT	66.0	1.0	66.0	7.3
151+12	Major	LT	77.0	1.0	77.0	8.6
152+71	Major	RT	30.0	1.0	30.0	3.3
154+87	Major	LT	30.0	21.5	645.0	71.7
154+87	Major	RT	30.0	35.0	1050.0	116.7

6 TEMPORARY RAMP						
STATION	TYPE	LT/RT	LENGTH (FEET)	AVG WIDTH (FEET)	AREA (SQ. FT.)	AREA (SQ. YDS.)
<b>Side Streets</b>						
13th Street	Major	LT	57.0	1.0	57.0	6.3
12th Street	Major	LT	50.0	1.0	50.0	5.6
11th Street	Major	LT	60.0	1.0	60.0	6.7
10th Street	Major	LT	67.0	1.0	67.0	7.4
Marshal Pkw y	Major	LT	60.0	1.0	60.0	6.7
9th Pkw y	Major	LT	55.0	1.0	55.0	6.1
Dugdale Rd	Major	LT	182.0	1.0	182.0	20.2
11th Street	Major	RT	65.0	1.0	65.0	7.2
10th Street	Major	RT	72.0	1.0	72.0	8.0
Dugdale Rd	Major	RT	144.0	1.0	144.0	16.0
SUBTOTAL						528.8
X 2 LOCATIONS (AT LANE LINE & AT EOP/GUTTER)						1057.6
10% CONTINGENCY						105.8
<b>PAY CODE 40600990</b>						<b>TOTAL 1163.3</b>

4 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70								
FROM	TO	LEFT OR RIGHT	LENGTH (FEET)	AVERAGE WIDTH (FEET)	DEPTH (INCHES)	AREA TO BE PRIMED (SQ. YDS.)	QUANTITY (TONS)	
<b>MAINLINE - LEFT</b>								
94+69.55	94+99.55	LT	30.00	19.5	1.50	65.0	5.5	
94+99.55	98+12.30	LT	312.75	16.0	1.50	556.0	46.7	
98+12.30	98+58.00	LT	45.70	16.0	1.50	81.2	6.8	
98+58.00	102+00.00	LT	342.00	14.0	1.50	532.0	44.7	
102+00.00	106+00.00	LT	400.00	14.0	1.50	622.2	52.3	
106+00.00	112+00.00	LT	600.00	14.0	1.50	933.3	78.4	
112+00.00	115+96.00	LT	396.00	14.0	1.50	616.0	51.7	
115+96.00	117+49.50	LT	153.50	15.0	1.50	255.8	21.5	
117+49.50	120+36.50	LT	287.00	16.0	1.50	510.2	42.9	
120+36.50	121+04.00	LT	67.50	14.0	1.50	105.0	8.8	
121+04.00	123+73.40	LT	269.40	15.5	1.50	464.0	39.0	
123+73.40	124+63.00	LT	89.60	16.0	1.50	159.3	13.4	
124+63.00	125+03.50	LT	40.50	15.0	1.50	67.5	5.7	
125+03.00	130+00.00	LT	497.00	14.0	1.50	773.1	64.9	
130+00.00	133+45.00	LT	345.00	14.0	1.50	536.7	45.1	
133+45.00	136+00.00	LT	255.00	14.0	1.50	396.7	33.3	
136+00.00	142+00.00	LT	600.00	14.0	1.50	933.3	78.4	
142+00.00	148+00.00	LT	600.00	14.0	1.50	933.3	78.4	
148+00.00	154+00.00	LT	600.00	14.0	1.50	933.3	78.4	
154+00.00	154+57.60	LT	57.60	14.0	1.50	89.6	7.5	
154+57.60	154+87.60	LT	30.00	21.5	1.50	71.7	6.0	
SUBTOTAL						18253.0	1533.3	
<b>CONTINGENCY FOR ENTRANCE RECONSTRUCTION</b>								
						DEPTH (INCHES)	AREA (SQ. YDS.)	QUANTITY (TONS)
						2.5	400.0	56.0
<b>CONTINGENCY FOR MAILBOX TURNOUT RECONSTRUCTION (based on LCDOT STANDARD LC4121)</b>								
						DEPTH (INCHES)	AREA (SQ. YDS.)	QUANTITY (TONS)
						2.5	60.0	8.4
<b>PAY CODE 40603340</b>						SUBTOTAL	18713.0	1597.7
(112 lbs./Sq. Yd./1" Depth)						5% CONTINGENCY	935.7	79.9
						<b>TOTAL</b>	<b>19648.7</b>	<b>1677.5</b>

REVISIONS / REMARKS				
NO.	DESCRIPTION	DATE	BY	SURVEYOR:
1	ADDENDUM I	12/1/16		DSGMR/LIAISON:
		/ /		PLOTTED BY: hdl8574 12/2/2016

**LEWIS AVENUE RESURFACING**



**SCHEDULE OF QUANTITIES**

ROUTE	SECTION	SECTION NUMBER	SHEET	SHEETS
CH27	082	16-00082-08-RS	8	78

# LEWIS AVENUE TRAFFIC CONTROL PLAN

## TRAFFIC CONTROL AND PROTECTION GENERAL NOTES

1. APPLICABLE STANDARDS  
  
701101-05, 701106-02, 701427-05  
701606-10, 701701-10, 701801-06, 701901-06  
  
LC7003, LC7004, LC7201
2. The permanent traffic control depicted hereon is the minimum requirement. Additional traffic control devices as specified by the above Highway Standards and the Special Provisions shall be placed by the contractor to the satisfaction of the engineer. All traffic control devices shall be considered incidental to the lump sum pay item "TRAFFIC CONTROL AND PROTECTION (SPECIAL)" unless otherwise indicated in the plans or special provisions.
3. All traffic control warning signs and associated signing mounted with the warning signs shall have black legends and borders on fluorescent orange reflective sheeting.
4. All construction signs, barricades and other devices required to control traffic shall be furnished, installed and maintained by the Contractor.
5. All traffic control devices shall be removed, covered or turned away from traffic immediately when they are no longer necessary. When a sign is covered, it's post shall have a reflective 3 inch x 6 inch delineator installed.
6. The sign spacing for the above Highway Standards shall be according to the Sign Spacing Table shown on this Traffic Control Plan.
7. Road name plates shall be installed on the "ROAD WORK AHEAD" signs at the intersections shown on this Traffic Control Plan. The road name plates shall be 9 inch blanks with 6 inch uppercase and 5 inch lowercase lettering. The road name plates shall be furnished by the Contractor.
8. "ROAD WORK AHEAD" signs shall be equipped with mono-directional Type A amber flashing lights.

SIGN NO.

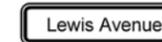
SIGN TYPE

1



W20-1 (0)-48

2



W17-I 100 (0)-9xVARIABLE

3



M6-1R (0)-2115

4



M6-1L (0)-2115

5



M6-4 (0)-2115

POSTED SPEED LIMIT  
LEWIS AVENUE  
14th St TO BELVIDERE ST - 30 MPH

TRAFFIC CONTROL SIGN  
SPACING TABLE

55 MPH	500 FT.
45-50 MPH	350 FT.
<45 MPH	200 FT.

REVISIONS / REMARKS				
NO.	DESCRIPTION	DATE	BY	SURVEYOR:
1	ADDENDUM I	12/1/16		DSGNER/LIAISON:
		/ /		PLOTTED BY: hdsxs 12/1/2016

**LEWIS AVENUE RESURFACING**



**TRAFFIC CONTROL PLAN**

**LEWIS AVENUE RESURFACING - 14TH ST TO BELVIDERE ST**

ROUTE	SECTION	SECTION NUMBER	SHEET	SHEETS
CH27	082	16-00082-08-RS	15	78

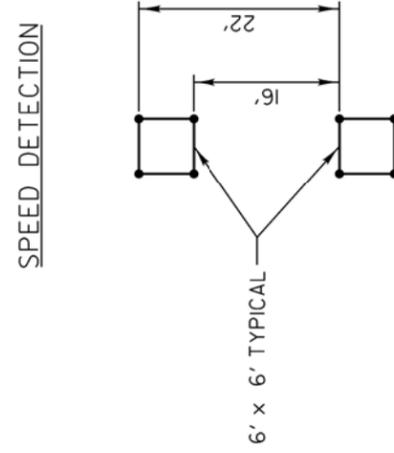
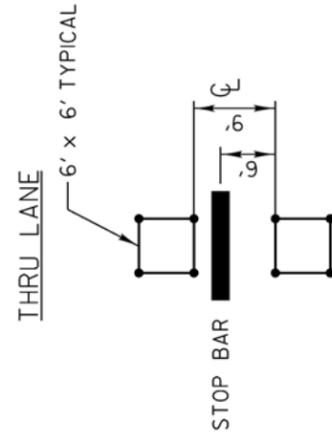
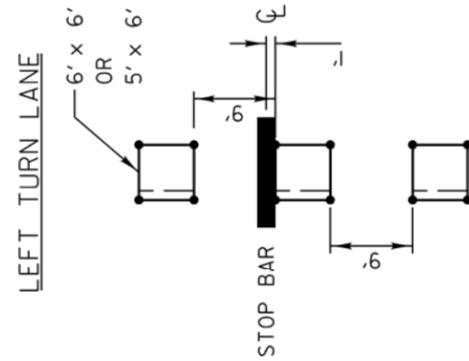
REVISIONS / REMARKS				
NO.	DESCRIPTION	DATE	BY	SURVEYOR:
1	ADDENDUM 1	12/1/16		DSGNR/LIAISON:
		/ /		PLOTTED BY: hdsxs 12/1/2016

**LEWIS AVENUE RESURFACING**

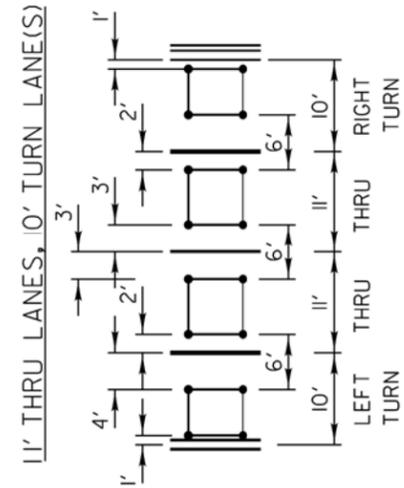
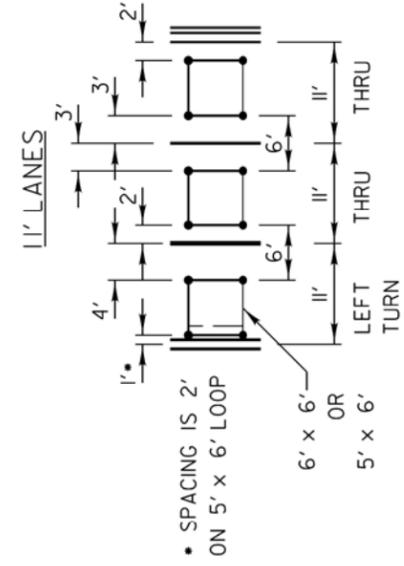
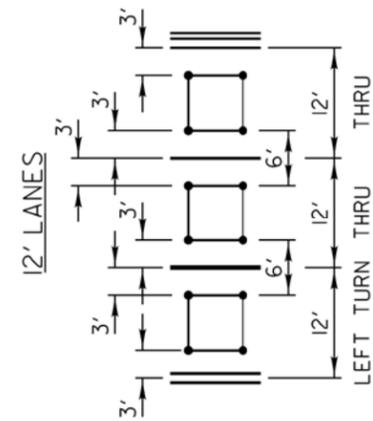


**LAKE COUNTY STANDARD AND DETAILS**  
LEWIS AVENUE RESURFACING

ROUTE	SECTION	SECTION NUMBER	SHEET	SHEETS
CH27	082	16-00082-08-RS	44a	78



TYPICAL SPACING FOR DETECTOR LOOPS



TYPICAL LATERAL PLACEMENT FOR DETECTOR LOOPS

REVISIONS	DATE

APPROVED BY: A. KHAWAJA  
DATE: APRIL 1, 2007

Lake County  
Division of Transportation

**TYPICAL DETECTOR LOOP LAYOUTS**

LC8600

