

SUMMARY OF QUANTITIES				IL RTE 132 (GRAND AVE) AT IL RTE 131 (GREEN BAY ROAD)	GRAND AVENUE AT BALDWIN AVENUE	GRAND AVENUE AT McAREE ROAD	GRAND AVENUE AT LEWIS AVENUE	GRAND AVENUE AT BUTRICK STREET	GRAND AVENUE AT JACKSON STREET	GRAND AVENUE AT WEST STREET	GRAND AVENUE AT COUNTY STREET	GRAND AVENUE AT GENESEE STREET	GRAND AVENUE AT SHERIDAN ROAD	GRAND AVENUE AT ROBERT McCLORY BIKE PATH	INTERCONNECT IL RTE 131 (GREEN BAY RD) TO SHERIDAN RD
NO.	CODE NO.	ITEM	UNIT	TOTAL	Y031-1F	Y031-1F	Y031-1F	Y031-1F	Y031-1F	Y031-1F	Y031-1F	Y031-1F	Y031-1F	Y031-1F	Y031-1F
1.	20200100	EARTH EXCAVATION	CU YD	29		12	2		6		6	3			
2.	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1,600											1,600
3.	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	45											45
4.	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	45											45
5.	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	45											45
6.	25200110	SODDING, SALT TOLERANT	SQ YD	1,600											1,600
7.	25200200	SUPPLEMENTAL WATERING	UNIT	8											8
8.	35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	108		40	8		25		25	10			
9.	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	13,685		1,300	1,415	1,440	2,000	1,730	1,200	1,000	2,000		1,400
10.	20007430	TEMPORARY SIDEWALK	SQ FT	1,000										200	1,000
11.	42400800	DETECTABLE WARNINGS	SQ FT	1,012		130	110	108	114	140	120	120	140		32
12.	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1,665		155	170	210	270	210	160	195	255		40
13.	44000600	SIDEWALK REMOVAL	SQ FT	12,485		925	1,050	1,440	1,840	1,730	950	2,000		200	1,400
14.	60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	24			6		2		3	4			6
15.	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	1,620		155	170	210	270	210	160	195	210		40
16.	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	45									45		
17.	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	25											
18.	66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1											
19.	66900530	SOIL DISPOSAL ANALYSIS	EACH	2											
20.	67100100	MOBILIZATION	L SUM	1											
21.	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1											
22.	70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1											
23.	70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1											
24.	70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1											
25.	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1											
26.	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1											
27.	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	73		73									
28.	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1,740		1,740									
29.	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2,695		580	500	455		380	325	55	400		
30.	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	816		210			470					136	
31.	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	745		75	70	125	120	115	110	55	75		
32.	78300100	PAVEMENT MARKING REMOVAL	SQ FT	3,399		550	360	260	575	400	540	325	365		
33.	81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	4,431		290	255	260	80	102	97	52	365		3,555
34.	81000700	CONDUIT IN TRENCH, 2-1/2" DIA., GALVANIZED STEEL	FOOT	364		37	53	45	45	34	27	52	71		
35.	81000800	CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	541		61	84	77	69	65	48	75	62		
36.	81001000	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	272		25	25	25	25	97	25	25	25		
37.	81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	12,740		277	530	951	422	569	660	496	595		8,240
38.	81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	2,296		276	305	184	353	281	283	295	319		
39.	81400100	HANDHOLE	EACH	51		4	4	4	4	5	5	4	4		17
40.	81400200	HEAVY-DUTY HANDHOLE	EACH	19		2	4	4	4	4	4	4	1		
41.	81400300	DOUBLE HANDHOLE	EACH	16		2	2	2	2	2	2	2	2		
42.	81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	5,068		373	359	127	159	118	122	135	120		3,555
43.	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2	1									1	
44.	85700205	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	8		1	1	1	1	1	1	1	1		
45.	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	14,084		1,649	1,655	1,714	1,903	1,807	1,675	1,742	1,939		
46.	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	12,385		1,302	1,724	1,566	1,575	1,615	1,420	1,623	1,560		
47.	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	13,272		1,605	1,152	1,394	2,373	1,104	1,635	1,950	2,059		
48.	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	5,384		590	1,643	1,216		1,314	621				
49.	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	14,511		1,091	2,604	2,568	1,727	1,502	2,144	1,209	1,666		
50.	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	762		39	92	238	52	28	138	73	102		
51.	87701140	STEEL MAST ARM ASSEMBLY AND POLE, 20 FT. (SPECIAL)	EACH	1								1			
52.	87701150	STEEL MAST ARM ASSEMBLY AND POLE, 22 FT. (SPECIAL)	EACH	2								1	1		
53.	87701160	STEEL MAST ARM ASSEMBLY AND POLE, 24 FT. (SPECIAL)	EACH	1								1	1		
54.	87701170	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT. (SPECIAL)	EACH	4		2			1			1	1		
55.	87701180	STEEL MAST ARM ASSEMBLY AND POLE, 28 FT. (SPECIAL)	EACH	4			1		1		1		1		
56.	87701190	STEEL MAST ARM ASSEMBLY AND POLE, 30 FT. (SPECIAL)	EACH	4			1	2				1			
57.	87701200	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT. (SPECIAL)	EACH	5		1			1		1		1		
58.	87701210	STEEL MAST ARM ASSEMBLY AND POLE, 34 FT. (SPECIAL)	EACH	3		1			1		1		1		
59.	87701220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT. (SPECIAL)	EACH	2			1	1							
60.	87704030	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 20 FT. (SPECIAL)	EACH	1								1			
61.	87704070	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 28 FT. (SPECIAL)	EACH	1						1					
62.	87704080	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 30 FT. (SPECIAL)	EACH	1				1							
63.	87704100	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT. (SPECIAL)	EACH	3			1		1		1				
64.	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	108		16	16	16	8	12	8	8	16		8
65.	87800150	CONCRETE FOUNDATION, TYPE C	FOOT	32		4	4	4	4	4	4	4	4		
66.	87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	240		30	30	30	30	30	30	30	30		
67.	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	240		30	30	30	30	30	30	30	30		
68.	87900200	DRILL EXISTING HANDHOLE	EACH	2											
69.	88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	61		8	6	8	9	6	8	8	8		2
70.	88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	17		2			5		2	4	4		
71.	88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	16		2	4	4		4	2		4		
72.	88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	16		2	4	4		4	2		4		
73.	88030220	SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1			1								
74.	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	38		8	2	4	2	2	4	8	8		
75.	88102747	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	13			3	2	3	3	2				
76.	88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINIUM	EACH	77		10	10	12	9	10	10	8	8		
77.	88500100	INDUCTIVE LOOP DETECTOR	EACH	67		6	11	14	6	8	9	6	7		
78.	88600100	DETECTOR LOOP, TYPE 1	FOOT	5,064		560	887	731	443	702	682	586	473		
79.	88700200	LIGHT DETECTOR	EACH	16		2	2	2	2	2	2	2	2		
80.	88700300	LIGHT DETECTOR AMPLIFIER	EACH	8		1	1	1	1	1	1	1	1		
81.	88800100	PEDESTRIAN PUSH-BUTTON	EACH	66		8	8	8	8	8	8	8	8		2
82.	89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	8		1	1	1	1	1	1	1	1		
83.	89502200	MODIFY EXISTING CONTROLLER	EACH	2	1									1	
84.	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	8		1	1	1	1	1	1	1	1		
85.	89502380	REMOVE EXISTING HANDHOLE	EACH	56		6	10	7	8	10	5	5	5		

* SPECIALTY ITEM
 Δ Y080

FILE NAME = 4136.800-TR2.dwg	USER NAME = GHA	DESIGNED - JRD	REVISED Δ - 10-21-10
		DRAWN - ZCW	REVISED -
	PLOT SCALE = 1" = .0833'	CHECKED - DPB	REVISED -
	PLOT DATE = 3/10/10	DATE - 3/10/10	REVISED -

				IL RTE 132 (GRAND AVE) AT IL RTE 131 (GREEN BAY ROAD)	GRAND AVENUE AT BALDWIN AVENUE	GRAND AVENUE AT McAREE ROAD	GRAND AVENUE AT LEWIS AVENUE	GRAND AVENUE AT BUTTRICK STREET	GRAND AVENUE AT JACKSON STREET	GRAND AVENUE AT WEST STREET	GRAND AVENUE AT COUNTY STREET	GRAND AVENUE AT GENESEE STREET	GRAND AVENUE AT SHERIDAN ROAD	GRAND AVENUE AT ROBERT McCLORY BIKE PATH	INTERCONNECT IL RTE 131 (GREEN BAY RD) TO SHERIDAN RD
SUMMARY OF QUANTITIES				CONSTRUCTION CODES											
NO.	CODE NO.	ITEM	UNIT	TOTAL	Y031-1F	Y031-1F	Y031-1F	Y031-1F	Y031-1F	Y031-1F	Y031-1F	Y031-1F	Y031-1F	Y031-1F	Y031-1F
86.	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	65		9		9		9					
87.	Z0030250	TEMPORARY INFORMATION SIGNING	SQ FT	51,40											51,40
88.	Z0033040	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	15,734											15,734
89.	Z0033056	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1											1
90.	X0325462	MEDIA CONVERTER	EACH	3		1		1							
91.	Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	8		1		1		1		1			
92.	X6700405	ENGINEER'S FIELD OFFICE, TYPE A (MODIFIED)	CAL MO	7											
93.	X8050015	SERVICE INSTALLATION - POLE MOUNTED	EACH	8		1		1		1		1			
94.	X8620020	UNINTERRUPTIBLE POWER SUPPLY	EACH	8		1		1		1		1			
95.	X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	4,412		417		568		600		473		734	647
96.	X8730250	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	3,268		260		548		477		363		463	359
97.	XX000406	BRICK PAVER REMOVAL AND REPLACEMENT	SQ FT	400											511
98.	XX003661	ELECTRIC CABLE IN CONDUIT, COAXIAL	FOOT	1,029				235		174		102		184	109
99.	XX005929	TRAFFIC SIGNAL POST, 14 FOOT, (SPECIAL)	EACH	12		2				2				4	4
100.	XX005931	TRAFFIC SIGNAL POST, 16 FOOT, (SPECIAL)	EACH	17		2		4		4		2			2
101.	XX005937	LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	32		4		4		4		4		4	4
102.	XX005940	REMOTE CONTROLLED VIDEO SYSTEM	EACH	6				1		1		1		1	1
103.	XX006655	LAYER II (DATA LINK) SWITCH	EACH	6				1		1		1		1	1
104.	XX007017	TERMINATE FIBER IN CABINET	EACH	12				1		1		1		1	1
105.	XX007021	PEDESTRIAN ACTIVATED CROSSWALK WARNING SYSTEM	EACH	2											
106.	XX008246	FIBER OPTIC CABLE IN CONDUIT, 24 SINGLEMODE	FOOT	15,735											
107.	XX008253	VIDEO ENCODER	EACH	6				1		1		1		1	
108.	Z0076600	TRAINEES	HOURL	1,000											12

* SPECIALTY ITEM
 Δ Y030

SPECIAL CONDITIONS FOR CONSTRUCTION WITHIN A LAKE COUNTY HIGHWAY RIGHT-OF-WAY

Work Notification
 Prior to starting construction, the Lake County Maintenance Section, 847-362-3960, and the Lake County Permit Section, 847-362-3950, shall be called and given the construction start date.

Signage
 The construction and restoration methods and procedures, materials used and construction signing and traffic control shall, when applicable, conform or meet the standards and requirements set forth in the current "Manual on Uniform Traffic Control Devices for Street and Highways", "Standard Specifications for Road and Bridge Construction", "Standard Specification for Traffic Control Items", and the "Highway Standards" manual as published or adopted by the Illinois Department of Transportation.

Field Changes for Watermain or Sewer Location
 No changes to the depth or location of the watermain or sewer as shown on these plans due to unforeseen field conditions or conflicts can be made unless prior approval has been obtained from the Permit Section of the Lake County Division of Transportation.

Additions, Extensions or Deletions for the Watermain or Sewer
 No additions, extensions or deletions can be made to the watermain or sewer as shown on these plans unless prior approval has been obtained from the Permit Section of the Lake County Division of Transportation.

Hazards to the Public
 Measures shall be taken to prevent or protect the public from hazards caused by the construction operations.

Measuring of Vehicles, Equipment and Storage of Materials
 Construction worker's vehicles and construction equipment shall be parked in areas outside of the County or State Highway right-of-way or in areas where there will be no interference with the normal use of the highway or vehicle sight distance. Construction materials shall be located at least 12 feet from a through traffic lane or outside of the County or State Highway right-of-way.

Maintaining Existing Traffic Control Devices
 Existing traffic control devices that are removed shall be re-erected as soon as possible in accordance with Article 107.25. Damaged or lost traffic control signs shall be reported to the Sign Shop 847-362-3962 of the Lake County Division of Transportation or the IDOT Traffic Control Supervisor at 847-705-4470 for replacement.

Regulatory and warning traffic signs shall be kept in view of the highway traffic.

Existing Drainage and Access
 Disturbed highway drainage facilities shall be re-established at the close of each workday. Occupants of adjacent properties having access to the County Highway shall be notified prior to being blocked and suitable arrangements made with the occupants. Adjacent property access shall be re-established as soon as possible.

Highway Pavement
 Care shall be taken not to break, crack or damage the highway pavement with equipment operating on it. Also, all dirt or bricks tracked onto the highway pavement shall be removed. Equipment with grozer pads, cleats or studs are not permitted to operate on the highway pavement.

If, due to construction operations, the highway pavement becomes damaged or undermined, all construction work in that area shall be stopped and the highway pavement repaired as directed by the engineer. Alternate construction measures shall then be used to prevent further highway pavement damage.

Excavations, Trenches and Bore Pits
 Excavated material shall, when practical, be piled on the near traffic side of the excavation, trench or bore pit. Open excavations, trenches or bore pits remaining after working hours shall not exceed 50 feet in length and shall be properly protected (fencing, covered, etc.) and marked (Type I or II barricades). If barricades are used in series, only steady burning lights shall be used. Bore pits shall be located no closer than 10 feet to the highway pavement, back of curb or gutter, or shoulder break line, whichever is further. If casing pipes are used, the voids in the casing pipe shall be filled and/or the ends sealed so there will be no siltation into the casing pipe.

Manholes, Valves, Valve Vaults and Appurtenances
 The top of the frame and lid or cover of a manhole, valve, or valve vault shall be flush and contoured to the surrounding ground. If this is not possible due to an excessive slope, the surrounding ground shall be graded and the frame and lid or cover partially buried to provide for a gradual transition slope so the area can be safely mowed and no hazard to the public will result. The top of the frame and lid or cover that is located within the gravel shoulder shall have a special apron installed around the frame or cover as directed by the Lake County Division of Transportation. Any frame and lid or cover located in a paved area shall be contoured and 1/4 inch below the surface of the surrounding pavement. The top of frame and lid or cover shall not be located within the area of 27.5 feet to 30.5 feet from the highway pavement centerline.

Surface appurtenances that extend above the surrounding ground surface shall be located within two feet of the County or State Highway right-of-way.

Tile Lines and Storm Sewers
 Existing tile lines and storm sewers that are encountered during construction operations shall be replaced if broken with like size and kind of material. The tile and storm sewer crossings of the excavation shall be bridged with rigid materials such as wood or steel. The location and depth of any encountered tile lines and storm sewers shall be recorded and a copy given to the engineer.

SPECIAL CONDITIONS FOR CONSTRUCTION WITHIN A LAKE COUNTY HIGHWAY RIGHT-OF-WAY (CONTD)

Winter Construction Work
 Snow and ice removal operations of the Lake County Division of Transportation or Illinois Department of Transportation shall have precedence over the construction operations. A 12 foot wide (minimum) clear area from the highway pavement edge shall be maintained for the roadside storage of snow and ice. No construction equipment or materials shall be stored in this 12 foot wide (minimum) clear area nor shall any piles of dirt or excavated materials be left in this area.

Restoration and Clean-Up
 The area of the County or State Highway right-of-way disturbed by construction operations shall be kept to a minimum and shall be restored as promptly as weather and soil conditions permit. If restoration is not accomplished voluntarily, the Lake County Division of Transportation or Illinois Department of Transportation may set a final date for the completion of the restoration work.

Turf areas of the right-of-way disturbed by construction operations shall be compacted and regraded to an equal or better condition than existed before construction. Sod shall be used in high erosion areas. This restoration work will not be considered completed until the turf cover is established.

Gravel and paved shoulders that are damaged shall be replaced as directed by the Lake County Division of Transportation. Driveways, side roads and other accesses, which are damaged, shall be restored with similar materials and thickness. The edges of excavated paved surfaces shall be sawed prior to repair. Culverts, storm sewer systems and other drainage facilities including ditch lines shall be cleaned of siltation and debris due to the construction operations. Other areas of the right-of-way that have been disturbed such as curb and gutters shall be restored with similar materials.

Any damaged property of the County of Lake, its Division of Transportation or Illinois Department of Transportation, or of others (including utility companies) shall be repaired or replaced or the owner of the damaged property reimbursed for the costs of repairing the damaged property by the owner.

Restoration Guarantee
 Any restoration work that falls within one year of completion shall be redone. Also, any settlement that occurs within one year of completion of the surface restoration work shall be filled and the surface area restored.

Keeping Roads Open to Traffic
 All roads shall remain open to traffic. The Contractor may close one lane because of construction only between the hours of 9:00 A.M. and 3:00 P.M. The Contractor shall maintain traffic during these restricted hours as shown on the Traffic Control Standards. Two lanes of traffic will be maintained between 3:00 P.M. and 9:00 A.M. and when no construction activities are being carried out. Traffic routed around construction areas shall be over paved surfaces and not over gravel shoulders.

I.D.O.T. GENERAL NOTES
 BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES (48 HOUR NOTIFICATION IS REQUIRED).

10 FEET (3 METER) TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS & GUTTERS AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE CITY OF WAUKEGAN. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

BARRICADES: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SANDBAGS ON EACH TYPE II BARRICADE USED—ONE (1) WEIGHTED SANDBAG ACROSS EACH BOTTOM RAIL.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847)705-4470 A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.

ANY WASTE GENERATED AS A SPECIAL WASTE OR A WASTE NOT CERTIFIED AS A NON-SPECIAL WASTE FROM THIS PROJECT SHOULD BE MANIFESTED TO THE STATE USING A GENERATOR NUMBER ASSOCIATED WITH LAKE COUNTY. THE GENERATOR NUMBER FOR LAKE COUNTY IS 09895944.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS
HMA PAVEMENTS — RESURFACING
 *HMA SURFACE COURSE, MIX "C", N50 (IL 9.5mm); VOIDS OF 4% @ 50 GYR
 *HMA BINDER COURSE, IL 19.0, N50; VOIDS OF 4% @ 50 GYR
HMA PAVEMENTS — DRIVEWAY PAVEMENT
 HMA SURFACE COURSE, MIX "C", N50 (IL 9.5mm); VOIDS OF 4% @ 50 GYR
 HMA BASE COURSE, 3" (IL-19 mm); VOIDS OF 4% @ 50 GYR
HMA PAVEMENTS — CLASS D PATCHING
 CLASS D PATCHES, TYPE I-IV, 6" (HMA BINDER IL-19 mm); VOIDS OF 4% @ 70 GYR
 * The unit weight used to calculate of hot-mix asphalt surface mix quantities is 112 LB/SY/IN
 * At the Engineer's discretion, use of surface and binder N30 L (Low FSAL) for ADT <700 and 10% trucks or less (3% Air Voids @ 30 GYR) may be allowed.

HMA the "AC Type" shall be "PG 62 - 22" unless modified by District One special provisions.
 For percent of RCP see District One special provisions.

GENERAL NOTES

- A-1. THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" LATEST EDITION, THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" LATEST EDITION, PROJECT SPECIFICATIONS, ALL APPLICABLE REQUIREMENTS OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY, THE CITY OF WAUKEGAN, LAKE COUNTY DIVISION OF TRANSPORTATION, ALL APPLICABLE REQUIREMENTS OF THE ORDINANCES OF AUTHORITIES HAVING JURISDICTION AND ALL ADDENDA THERETO SHALL GOVERN THIS WORK.
- A-2. THE STANDARD SPECIFICATIONS, PROJECT SPECIFICATIONS, CONSTRUCTION PLANS AND SUBSEQUENT DETAILS ARE ALL TO BE CONSIDERED AS PART OF THE CONTRACT. INCIDENTAL ITEMS OR ACCESSORIES NECESSARY TO COMPLETE THIS WORK MAY NOT BE SPECIFICALLY NOTED BUT ARE TO BE CONSIDERED A PART OF THE CONTRACT.
- A-3. NO CONSTRUCTION PLANS SHALL BE USED FOR CONSTRUCTION UNLESS SPECIFICALLY MARKED "FOR CONSTRUCTION". PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AFFECTING THEIR WORK WITH THE ACTUAL CONDITIONS AT THE JOB SITE. IN ADDITION, THE CONTRACTOR MUST VERIFY THE ENGINEER'S LINE AND GRADES. IF THERE ARE ANY DISCREPANCIES FROM WHAT IS SHOWN ON THE CONSTRUCTION PLANS, STANDARD SPECIFICATIONS AND/OR SPECIAL DETAILS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTION FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY OMISSION OR DISCREPANCIES. FAILING TO SECURE SUCH INSTRUCTION, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS OWN RISK AND EXPENSE. IN THE EVENT OF ANY DOUBT OR QUESTION ARISING WITH RESPECT TO THE TRUE MEANING OF THE CONSTRUCTION PLANS OR SPECIFICATIONS, THE DECISION OF THE RESIDENT ENGINEER SHALL BE FINAL AND CONCLUSIVE.
- A-4. BEFORE ACCEPTANCE BY THE OWNER AND FINAL PAYMENT, ALL WORK SHALL BE INSPECTED AND APPROVED BY THE OWNER OR HIS REPRESENTATIVES. FINAL PAYMENT WILL BE MADE AFTER ALL OF THE CONTRACTOR'S WORK HAS BEEN APPROVED AND ACCEPTED.
- A-5. WHENEVER, DURING CONSTRUCTION OPERATIONS, ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF GUTTERS, DRAINAGE STRUCTURES, DITCHES, ETC. SUCH THAT THE NATURAL FLOW LINE OF WATER IS OBSTRUCTED, THE LOOSE MATERIAL WILL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE FROM DIRT AND DEBRIS. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. THE CONTRACTOR'S FAILURE TO PROVIDE THE ABOVE WILL PRECLUDE ANY POSSIBLE ADDED COMPENSATION REQUESTED DUE TO DELAYS OR UNSUITABLE MATERIALS CREATED AS A RESULT THEREOF.
- A-6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SIGNS, TRAFFIC CONTROL DEVICES, AND WARNING DEVICES TO INFORM AND PROTECT THE PUBLIC DURING ALL PHASES OF CONSTRUCTION.
- A-7. DURING CONSTRUCTION OPERATIONS THE CONTRACTOR SHALL ENSURE POSITIVE SITE DRAINAGE AT THE CONCLUSION OF EACH DAY. SITE DRAINAGE MAY BE ACHIEVED BY DITCHING, PUMPING OR ANY OTHER METHOD ACCEPTABLE TO THE ENGINEER AND THE CITY.
- A-8. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE FROM THE SITE ANY AND ALL MATERIALS AND DEBRIS WHICH RESULT FROM HIS CONSTRUCTION OPERATIONS AT NO ADDITIONAL EXPENSE TO THE OWNER.
- A-9. CONTRACTOR IS RESPONSIBLE FOR RETURNING ALL AREAS AFFECTED BY EQUIPMENT OR LABORERS TO EXISTING CONDITIONS. CONTRACTOR IS ALSO RESPONSIBLE FOR PROTECTING ALL NEW WORK UNTIL COMPLETION OF THIS CONTRACT.
- A-10. EXISTING UTILITIES: WHEN THE PLANS OR SPECIAL PROVISIONS INCLUDE INFORMATION PERTAINING TO THE LOCATION OF UNDERGROUND UTILITY FACILITIES, SUCH INFORMATION REPRESENTS ONLY THE OPINION OF THE ENGINEER AS TO THE LOCATION OF SUCH UTILITIES AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER AND OWNER ASSUME NO RESPONSIBILITY WHATSOEVER IN RESPECT TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN ON THE PLANS RELATIVE TO THE LOCATION OF UNDERGROUND UTILITY FACILITIES OR THE MANNER IN WHICH THEY ARE TO BE REMOVED OR ADJUSTED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES. HE SHALL ALSO OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES, J.U.I.E., DETAILED INFORMATION RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULES OF THE UTILITY COMPANIES FOR REMOVING OR ADJUSTING THEM.
- A-11. THE CITY OF WAUKEGAN SHOULD BE CONTACTED 48 HOURS PRIOR TO THE START OF ANY EXCAVATION. (847-625-6827)
- A-12. AGGREGATE SPECIFIED ON THESE PLANS SHALL BE CONSIDERED CRUSHED STONE MEETING THE GRADATION SPECIFIED. CRUSHED CONCRETE MAY NOT BE SUBSTITUTED FOR CRUSHED STONE, UNLESS APPROVED BY THE RESIDENT ENGINEER.
- A-13. EASEMENTS FOR THE EXISTING UTILITIES, BOTH PUBLIC AND PRIVATE, AND UTILITIES WITHIN PUBLIC RIGHTS-OF-WAY ARE SHOWN ON THE PLANS ACCORDING TO AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION IN THE FIELD OF THESE UTILITY LINES AND THEIR PROTECTION FROM DAMAGE DUE TO CONSTRUCTION OPERATIONS. IF EXISTING UTILITY LINES OF ANY NATURE ARE ENCOUNTERED WHICH CONFLICT IN LOCATION WITH NEW CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER SO THAT THE CONFLICT MAY BE RESOLVED.
- A-14. REMOVED PAVEMENT, SIDEWALK, CURB AND GUTTER, ETC. SHALL BE DISPOSED OF OFF-SITE AT LOCATIONS PROVIDED BY THE CONTRACTOR AT HIS EXPENSE.

- A-15. ALL PROPOSED SIDEWALK REMOVAL, COMBINATION CURB AND GUTTER REMOVAL, PCC SIDEWALK, 5" AND COMBINATION CONCRETE CURB AND GUTTER BE.12 OR BE.24 IDENTIFIED ON THE TEMPORARY TRAFFIC SIGNAL INSTALLATION OR THE TRAFFIC SIGNAL MODERNIZATION PLANS SHALL BE MARKED IN THE FIELD BY THE RESIDENT ENGINEER.

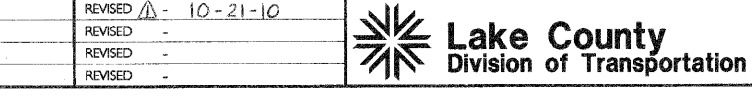
PAVING AND GRADING NOTES

- C-1. ALL PAVEMENT DIMENSIONS ARE TO THE EDGE OF PAVEMENT, UNLESS OTHERWISE INDICATED.
- C-2. PAVING WORK SHALL INCLUDE FINAL SUB-GRADE SHAPING AND PREPARATION, FORMING, PLACEMENT OF BASE COURSE MATERIALS, AND SUBSEQUENT BINDER AND/OR SURFACE COURSES, FINISHING AND CURING OF CONCRETE, FINAL CLEAN-UP AND ALL RELATED WORK.
- C-3. PAVEMENT DESIGN SHALL BE AS DETAILED. PRIOR TO THE PLACEMENT OF ANY STONE BASE ALL SUBGRADE SHALL BE COMPACTED WITH A SELF-PROPELLED SHEEPSFOOT COMPACTOR (CAT 815 OR LARGER) TO A MINIMUM DENSITY OF 95% MODIFIED PROCTOR. TESTING SHALL BE BY NUCLEAR DENSITY TEST AND PROOF ROLLING. THE CONTRACTOR SHALL PROOF ROLL THE SUBGRADE BEFORE PAVEMENT CONSTRUCTION PROCEEDS. THE PROOF ROLL MUST BE WITNESSED BY THE ENGINEER AND A REPRESENTATIVE OF THE VILLAGE. THE SUBGRADE WILL NOT BE APPROVED AND ACCEPTED WITHOUT PROOF ROLLING. THE PROOF ROLLING SHALL BE DONE BY A FULLY LOADED THREE-AXLE DUMP TRUCK TOGETHER WITH LOAD WEIGHING AT LEAST TWENTY-FIVE (25) TONS. IF THE SUBGRADE OR BASE HAS FAILURE OR PUMPING AS INDICATED BY PROOF ROLLING, THE AREA OF FAILURE OR PUMPING SHALL BE SCARIFIED AND RECOMPACTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. SUBSEQUENT PROOF ROLL WILL BE CONDUCTED UNTIL THE SUBGRADE IS FOUND TO BE ACCEPTABLE TO THE ENGINEER.
- C-4. ALL DISTURBED NON-PAVEMENT AREAS SHALL BE ROUGH GRADED. THE CONTRACTOR IS RESPONSIBLE FOR ALL EROSION PREVENTION AND REPAIR.
- C-5. PRIME COAT FOR THE SURFACE COURSE SHALL BE APPLIED TO THE BINDER AT A RATE OF 0.07 GAL/SY (SS-1) PRIME COAT FOR THE BINDER COURSE SHALL BE APPLIED TO THE SUBBASE AT A RATE OF 0.25 GAL/SY (P.E.P.).
- C-6. ALL CURB AND SIDEWALK SHALL BE REINFORCED WITH TWO #4 REBARS (THREE EQUALLY SPACED REBAR FOR SIDEWALK) WHENEVER THE CURB OR SIDEWALK CROSSES A UTILITY TRENCH. EXTEND THE REBAR TEN FEET BEYOND THE TRENCH ON BOTH SIDES.
- C-7. EXTRA CARE SHALL BE EXERCISED WHEN OPERATING EQUIPMENT AROUND TREES AND SHRUBS. INJURED BRANCHES OR ROOTS SHALL BE PRUNED IN A MANNER SATISFACTORY TO THE ENGINEER AND SHALL BE PAINTED WHERE THE CUT WAS MADE. ROOTS EXPOSED DURING EXCAVATING OPERATIONS SHALL BE NEATLY PRUNED AND COVERED WITH TOPSOIL. THIS WORK SHALL BE DONE AS SOON AS POSSIBLE AND SHALL BE CONSIDERED AS INCIDENTAL TO THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

REMOVAL AND DISPOSAL OF REGULATED

This work shall be according to Article 699 of the Standard Specifications and the following:
 Qualifications. The term environmental firm shall mean an environmental firm with at least five (5) documented leaking underground storage tank (LUST) cleanups or that is pre-qualified in hazardous waste by the Department. Documentation includes but not limited to verifying remediation and special waste operations for sites contaminated with gasoline, diesel, or waste oil in accordance with all Federal, State, or local regulatory requirements and shall be provided to the Engineer for approval. The environmental firm selected shall not be a former or current consultant or have any ties with any of the properties contained within and/or adjacent to this construction project.
 General. Implementation of this Special Provision will likely require the Contractor to subcontract for the execution of certain activities. It will be the Contractor's responsibility to assess the working conditions and adjust anticipated production rates accordingly.
 All contaminated materials shall be managed as non-special waste. This work shall include monitoring and testing, sampling, analytical testing, and management of a material contaminated by regulated substances.
 Any soil classified as a non-special waste shall be excavated and disposed of as directed by this project or the Engineer. Any excavation or cleanup beyond what is required by this project or the Engineer will be at additional cost to the Department. The preliminary site investigation (PSI) report, available through the District's Environmental Studies Unit, estimated the excavation quantity of non-special waste at the following location. The information available at the time of plan preparation determined the limits of the contamination and the quantities estimated were based on soil excavation for construction purposes only. The lateral distance is measured from centerline and the farthest distance is the offset distance or construction limit whichever is less. Any soil samples or analysis without the approval of the Engineer will be at no additional cost to the Department.
 A) The Environmental Firm shall continuously monitor for worker protection and the Contractor shall manage and dispose of all soils excavated within the following areas as classified below:
 1. Station 161+30 to Station 161+70 D to 80 feet LT (Pay Day Loans/Auto Title Loans, Site #2221-28, 2510 Grand Avenue) - non-special waste. Contaminants of concern sampling parameters: BETX.
 B) The Environmental Firm shall continuously monitor for worker protection and the Contractor shall manage any excavated soils within the construction limits of this project as fill. Although the soil concentrations exceed a residential property the 1 soil remediation objective for the ingestion exposure pathway, they can be utilized within the construction limits as fill because the roadway is not considered a residential property. All storm sewer excavated soils can be placed back into the excavated trench as backfill unless trench backfill is specified. If the soils cannot be utilized within the construction limits as fill then they must be managed off-site as a non-special waste. The following areas can be managed within the construction limits as fill.
 1. Station 226+55 to Station 226+80 D to 50 feet LT (Power King Fuel Depot, Site #2211-15, 840 Grand Avenue) - non-special waste. Contaminants of concern sampling parameters: Arsenic.
 2. Station 160+50 to Station 161+00 D to 80 feet RT (BP Amoco Gasoline Station, Site #2221-30, 2601 Grand Avenue) - non-special waste. Contaminants of concern sampling parameters: Lead.
 GHA #4136.800

FILE NAME =	USER NAME = GHA	DESIGNED - JRD	REVISED - 10-21-10
4136.800-TR2.dwg		DRAWN - ZCW	REVISED -
	PLOT SCALE = 1" = .0833'	CHECKED - DPB	REVISED -
	PLOT DATE = 3/10/10	DATE - 3/10/10	REVISED -



SUMMARY OF QUANTITIES AND GENERAL NOTES			
SCALE: NONE	SHEET NO. OF SHEETS	STA.	TO STA.

FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	08-00279-00-TL	LAKE	64	3
CONTRACT #:				63436

ILLINOIS FED. AID PROJECT