GENERAL NOTES

THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER AT LEAST 72 HOURS IN ADVANCE OF BEGINNING WORK AND SHALL COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE ENGINEER. SPECIAL ATTENTION IS CALLED TO ARTICLE 105.07 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS FOR TRAFFIC CONTROL AND PROTECTION. THE STORAGE EQUIPMENT AND/OR MATERIALS WITHIN THE RIGHT-OF-WAY SHALL REQUIRE PRIOR APPROVAL OF THE ENGINEER. THE CONTRACTOR SHALL NOTIFY THE CITY OF ELMHURST ENGINEERING AT (630) 530-3020 48 HOURS PRIOR TO ANY WORK IN ORDER TO OBTAIN MUNICIPAL UTILITY LOCATIONS. THE CONTRACTOR SHALL ALSO CONTACT THE CITY PUBLIC WORKS DEPARTMENT UTILITY DIVISION FOR ALL WATER MAIN SHUTOFFS (CITY OF ELMHURST 630) 530-3039. UNDER NO CONTACT THE CITY PUBLIC WORKS DEPARTMENT UTILITY DIVISION FOR ALL WATER MAIN SHUTOFFS (CITY OF ELMHURST 630) 530-3039. UNDER NO CONDITION SHALL THE CONTRACTOR OPERATE ANY VALVES OR HYDRANTS WITHIN THE PROJECT AREA. MUNICIPAL COORDINATION

THE LOCATION OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THE DEPARTMENT DOES NOT CUARANTEE THEIR ACCURACY, THE CONTRACTOR WILL BE REQUIRED TO ASCERTAIN THE EXACT LOCATIONS OF SUCH FACILITIES SO AS NOT TO DAMAGE THEM IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND ARTICLE 107.20 OF THE STANDARD SPECIFICATIONS. UTILITY FACILITIES MAY ADJUSTED OR RELOCATED, IF NECESSARY, PRIOR TO THE START OF CONSTRUCTION OPERATIONS. PUBLIC OR PRIVATE UTILITIES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE OR DESTRUCTION OF PUBLIC OR PRIVATE PROPERTY, AND SHALL RESTORE SUCH PROPERTY AT HIS OWN EXPENSE, COORDINATION OF UTILITY WORK INVOLVED IN THE CONSTRUCTION AREA WILL BE DISCUSSED AT A REPORT OF THE CONTRACTOR SHALL USE ALL RECESSARY PRECIDENT OF PROTECTIVE MEASURES REQUIRED TO MAINTAIN EXISTING UTILITIES, SEWERS, AND APPURIENANCES THAT MUST BE KEPT IN OPERATION. IN PARTICULAR, THE CONTRACTOR WILL TAKE ADEQUATE MEASURES TO PREVENT THE UNDERMINING OF UTILITIES AND SEWERS WHICH ARE STILL IN SERVICE.

THE CONTRACTOR WILL NOT REMOVE ANY UTILITY LINE, CONDUIT, OR VAULT WITHIN THE LIMITS OF THE PROJECT UNTIL AFTER RECEIVING WRITTEN PERMISSION FROM THE UTILITY COMPANY OR AGENCY INVOLVED AND PERMISSION FROM THE ENGINEER.

WHENEVER THE CONTRACTOR ENCOUNTERS FACILITIES AND APPURTENANCES WITHIN THE LIMITS OF THE IMPROVEMENTS DURING TRENCHING OPERATION. HE WILL BE REQUIRED TO HAND TRENCH IN THAT AREA IN ORDER NOT TO DAMAGE THE FACILITIES.

THE CONTRACTOR WILL BE REQUIRED TO DISPOSE OF ALL SIDEWALK, CURB AND GUTTER, PAVEMENT, AND ALL OTHER MATERIAL EXCAVATED OR REMOVED DUE TO CONSTRUCTION OPERATIONS AT HIS EXPENSE. ALL EXCESS EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE ON THE DAY IT IS EXCAVATED. NO PAYMENT WILL BE MADE FOR HAULING OR TRUCKING MATERIAL TO LOCATIONS OUTSIDE THE LIMITS OF THE IMPROVEMENT, PROVIDED BY THE CONTRACTOR.

DRAINAGE STRUCTURES

ONLY PRECAST ADJUSTMENT RINGS WILL BE ALLOWED IN THE ADJUSTMENT OR RECONSTRUCTION OF CATCH BASINS, MANHOLES, AND INLETS.

FRAMES AND GRATES

ALL FRAMES, GRATES, LIDS, AND BOXES REMOVED FROM EXISTING WATER SERVICE OR SEWER STRUCTURES WHICH ARE TO BE ABANDONED OR ADJUSTED WITH A NEW OR DIFFERENT FRAME AND LID SHALL BECOME THE PROPERTY OF THE MUNICIPALITY. ANY OF THESE ITEMS WHICH ARE DAMAGED OR BROKEN DURING HANDLING SHALL BE REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE. NO ADDITIONAL COMPENSATION SHALL BE REPLACED BY THE CONTRACTOR AT HIS OWN FRAMES, GRATES, LIDS, OR BOXES AND DELIVERING THEM TO THE MAINTENANCE FACILITY OF THE MUNICIPALITY. THE CONTRACTOR SHALL NOTIFY THE MUNICIPALITY 24 HOURS PRIOR TO DELIVERY. THE MUNICIPALITY MAY, AT THEIR DISCRETION, INSTEAD ELECT TO COLLECT THESE ITEMS FROM THE PROJECT SITE.

TYPE 1 FRAME CLOSED LID

ALL FRAMES WITH CLOSED LIDS TO BE FURNISHED AS PART OF THIS CONTRACT FOR CONSTRUCTION, ADJUSTMENT, OR RECONSTRUCTION OF ANY STORM SEWER MANHOLE, CATCH BASIN AND/OR INLET SHALL HAVE THE WORD "STORM" CAST IN THE LID. ALL VALVE VAULTS SHALL HAVE THE WORD "WATER" CAST IN THE LID AND ALL SANITARY MANHOLES SHALL HAVE THE WORD "SANITARY" CAST INTO THE LID.

FULL DEPTH SAW CUTS

THE COST OF ALL SAW CUTS REQUIRED FOR REMOVAL ITEMS (EXCEPT PATCHES) SHALL BE INCLUDED IN THE COST OF THE ITEM BEING REMOVED.

BOXED ITEMS ARE INCLUDED IN THE COST OF THE CONTRACT.

SUGGESTED CONSTRUCTION PROCEDURE AND MAINTENANCE OF TRAFFIC

1. CLOSE BOTH OUTSIDE LANES TO TRAFFIC, LEAVING ONE (1) LANE IN EACH DIRECTION,
2. GRIND BITUMINOUS SURFACE AND BINDER IN THE OUTSIDE LANES.
3. PERFORM REQUIRED CURB AND GUTTER REPLACEMENT, PATCHING, AND DRAINAGE
STRUCTURE ADJUSTMENTS IN THE OUTSIDE LANES.
4. PLACE BINDER COURSE IN THE OUTSIDE LANES.
5. REPLACE REQUIRED SIDEMALK.

1. CLOSE BOTH INSIDE LANES AND MEDIAN TO TRAFFIC, LEAVING ONE (I) LANE IN EACH DIRECTION. LEFT TURN ACCESS TO ALL ADJACENT PROPERTIES SHALL BE MAINTAINED, AND LEFT TURN LANES SHALL BE MAINTAINED AT THE SIGNALIZED INTERSECTIONS ACCORDING TO SHEET 19.

2. GRIND BITUMINOUS SURFACE AND BINDER IN THE INSIDE LANES AND MEDIAN.

3. PERFORM REQUIRED PATCHING AND DRAINAGE STRUCTURE ADJUSTMENTS IN THE INSIDE LANES AND MEDIAN.

4. PLACE BINDER COURSE IN THE INSIDE LANES AND MEDIAN.

STAGE 3

STAGE 2

1. PLACE SIGNAL DETECTOR LOOPS.
2. PLACE BITUMINOUS SURFACE COURSE.
3. PLACE PAYEMENT MARKINGS.
4. OPEN ROADWAY TO TRAFFIC.

STATE STANDARDS

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
PAVEMENT JOINTS
P.C.C. PAVEMENT ROUNDOUTS
PAVEMENT FABRIC
CURB RAMPS FOR SIDEWALK
CLASS B PATCHES
CATCH BASIN TYPE C
MANHOLE TYPE A
FRAME AND LIDS, TYPE 1
FRAME AND LIDS, TYPE 1
FRAME AND LIDS, TYPE 24
CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
LANE CLOSURE, 2-L, 2-W, SHORT TIME OPERATIONS
LANE CLOSURE, 2-L, 2-W, SHORT TIME OPERATIONS
LANE CLOSURE, 2-L, 2-W, MOVING OPERATIONS - DAY ONLY
URBAN LANE CLOSURE - MULTILANE 2-W, WITH BIDIRECTIONAL LEFT TURN LANE
URBAN LANE CLOSURE - MULTILANE INTERSECTION
TRAFFIC CONTROL DEVICES
TYPICAL PAVEMENT MARKINGS
DETECTOR LOOP INSTALLATIONS
TYPICAL LAYOUT FOR DETECTION LOOPS
TYPICAL LAYOUT FOR DETECTION LOOPS

TRAFFIC CONTROL AND PROTECTION NOTES:

STAGING PROCEDURES PRESENTED ARE THE SUGGESTED SEQUENCE OF OPERATIONS. THE CONTRACTOR MAY SUBMIT AN ALTERNATIVE STAGING PROPOSAL TO THE ENGINEER FOR HIS APPROVAL THE CONTRACTOR SHALL NOT BE ENTITLED TO ADDITIONAL COMPENSATION FOR ANY CHANGE IN STAGING.

THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF ONE 11' LANE IN EACH DIRECTION FOR TWO-WAY, TWO LANE TRAFFIC FLOW. INGRESS AND EGRESS TO DRIVEWAYS AND SIDE STREETS SHALL BE MAINTAINED AS SHOWN ON THE PLANS AND/OR AS DIRECTED BY THE ENGINEER. LEFT TURN LANES SHALL BE MAINTAINED AT THE SIGNALIZED INTERSECTIONS. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION.

CURB AND GUTTER REPLACEMENT PATCHING IN FRONT OF DRIVEWAYS SHALL BE STACED TO ALLOW ACCESS. A MINIMUM OF ONE (1) ENTRANCE SHALL BE MAINTAINED FOR ALL PROPERTIES.

THE CONTRACTOR SHALL MAINTAIN TRAFFIC IN ACCORDANCE WITH THE SPECIAL PROVISIONS, STATE STANDARDS, STANDARD SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER.

THE ENGINEER SHALL BE INFORMED 48 HOURS IN ADVANCE OF ANY CHANGE IN CONSTRUCTION STAGING.

THE CONTRACTOR SHALL BE REQUIRED TO REMOVE ALL EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH THE DESIGNATED TRAFFIC CONTROL PLAN. THIS WORK SHALL BE PAID FOR AS PAVEMENT MARKING REMOVAL OR WORK ZONE PAVEMENT MARKING REMOVAL.

THE FURNISHING, INSTALLING, AND RELOCATION OF ALL TRAFFIC SIGNS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION. ALL CONFLICTING TRAFFIC SIGNS SHALL BE COVERED AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION.

ALL UNBALLASTED TYPE I AND II BARRICADES SHALL HAVE TWO (2) SANDBAGS ON THE BOTTOM RAIL ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR (4) SANDBAGS PER BARRICADE

SCHEDULE OF CURB AND GUTTER REMOVAL AND REPLACEMENT

STATION	OFFSET	LENGTH (FT
16+17	RIGHT	46
18+96	RIGHT	6
22+93	RIGHT	30
27+40	RIGHT	12
28+87	RIGHT	6
31+43	LEFT	6
33+52	LEFT	13
36+98	LEFT	6
42+85	LEFT	21
43+90	LEFT	13
47+07	LEFT	12
48+97	RIGHT	15
56+51	LEFT	15
57+83	LEFT	9
TOTAL		210

SCHEDULE OF SIDEWALK REMOVAL AND REPLACEMENT

STATION	OFFSET	LENGTH (FT)	(FT)	(SQ FT
32+96	RIGHT	15	5	75
42+89	LEFT	10	5	46
44+06	RIGHT	8	5	26

AN ADDITIONAL 50 SF OF SIDEWALK REMOVAL AND PCC SIDEWALK 5" ARE INCLUDED FOR USE IN ADDITIONAL AREAS AS NECESSARY AND DETERMINED BY THE ENGINEER.

INDEX OF SHEETS

FAU	SECTION	COUNTY	SHEETS	SHEET NO.
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STA.		TO STA.		
FED. RO	AD DIST. NO. 7 ILLI	NOIS FED. AID	PROJECT	-

CONTRACT NO. 83798

TITLE SHEET INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES SUMMARY OF QUANTITIES TYPICAL SECTIONS

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TYPICAL SECTIONS
PLAN
PLAN
PAVEMENT MARKING
DETECTOR LOOP INSTALLATION
TS-05 TRAFFIC SIGNAL DETAILS
BD-24 CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
BD-32 BUIT JOINT DETAIL
TC-10 TRAFFIC CONTOUR DATE OF THE STATE OF THE S

SCHEDULE OF CLASS B PAVEMENT PATCHING

	STATION	OFFSET	LENGTH (FT)	WIDTH (FT)	TYPE II AREA (SQ YD)	TYPE III AREA (SQ YD)	TYPE IV AREA (SQ YD)
	15+68	RIGHT	69	11	1		84.3
	16+46	LEFT	21	12			28
	16+52	RIGHT	158	12			210.7
	17+45	RIGHT	22	12			29.3
	18+50	RIGHT	6	24	16		
	18+84	RIGHT	18	12			24
	18+95	RIGHT	6	12	8		
	19+70	LEFT	23	12			30.7
	19+80	RIGHT	6	24	16		
	19+80	LEFT	6	12	8		
••	20+40	LEFT	6	12	8		
	20+50	RIGHT	6	24	16		
	20+50	LEFT	6	12	8		
	20+50	LEFT	6	32	21.3		
	21+17	RIGHT	8	24	21.3		
	21+17	LEFT	8	12	10.7		
	22+00	RIGHT	8	24	21.3		
	TOTAL -	10" PATCH	IES		154.6	0.0	407.0

	STATION	OFFSET	LENGTH (FT)	WIDTH (FT)	TYPE II	TYPE III	TYPE IV
					AREA (SQ YD)	AREA (SQ YD)	AREA (SQ YD)
	22+96	RIGHT	6	12	8		
	22+99	LEFT	6	12	8		
••	23+60	LEFT	6	12	8		
	26+15	LEFT	27	12			36
	26+50	RIGHT	6	12	8		
	26+50	RIGHT	18	12			24
	27+40	RIGHT	12	12		16	
**	28+15	LEFT	6	12	8		
	29+67	LEFT	15	24			40
	31+42	LEFT	40	12			53.3
	32+40	LEFT	16	24			42.7
	32+96	LEFT	6	12	8		
	33+15	RIGHT	14	12		18.7	
	34+87	RIGHT		12			22.7
	34+96	LEFT		24	21.3		
••	36+45	LEFT	6	12	8		
	38+74	RIGHT	18	12			24
	46+63	LEFT	56	12			74.7
	50+97	LEFT	6	12	8		
	56+60	LEFT	6	24	16		
	57+83	LEFT	9	12	12		
	59+44	LEFT	6	24	16		
	61+47	LEFT	70	12			93.3
	62+09	LEFT	8	12	10.7		
	62+19	RIGHT	6	24	16		
	TOTAL -	8" PATCHE	S		156.0	34.7	410.7

NOTE: THE ABOVE TABLE REPRESENTS AN APPROXIMATION OF THE LOCATION OF THE PATCHES. THE EXACT LOCATION OF PATCHES WILL BE DETERMINED BY THE RIGHRER AFTER THE EXISTING BITUMINOUS SURFACE HAS BEEN REMOVED. THEREFORE, THE EXACT QUANTITIES OF PATCHING ARE SUBJECT TO CHANGE. • THE CONTRACTOR SHALL USE HIGH EARLY STRENGTH CONCRETE FOR THIS PATCH, THE COST WILL BE INCLUDED IN THE COST OF CLASS B PATCHES. •• THE EXACT LOCATION OF THESE PATCHES WILL BE DETERMINED BY THE LOCATION OF THE BURIED MANHOLES. A 1-LANE BY 6' PATCH SHALL BE PLACED AT THE LOCATION OF EACH MANHOLE.

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