

62739

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	2004-020 TS	COOK	13	1
F.H.W.A. REG.	ILLINOIS	PROJECT		

D-91-173-04



STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
**PLANS FOR PROPOSED  
 FEDERAL AID HIGHWAY**  
 DISTRICT 1  
 CONGESTION MITIGATION AIR QUALITY  
 FIBER OPTIC COMMUNICATIONS NETWORK  
 ILL. ROUTE 21 (MILWAUKEE AVENUE)  
 MAIN STREET TO OAKTON STREET

F.A.P. ROUTE 374  
 SECTION 2004-020 TS  
 COOK COUNTY  
 C-91-173-04

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 -CABLE PLAN  
 -PHASE DESIGNATION DIAGRAM  
 -EMERGENCY VEHICLE PREEMPTION SEQUENCE  
 -SCHEDULE OF QUANTITIES
- INTERCONNECT PLAN - SHEET 1 OF 2
- INTERCONNECT PLAN - SHEET 2 OF 2
- INTERCONNECT SCHEMATIC & SCHEDULE OF QUANTITIES

INFRASTRUCTURE ENGINEERING, INC.  
 29 S. LASALLE ST., SUITE 345  
 CHICAGO, IL 60603-1557  
 PHONE 312.425.9580  
 FAX 312.425.9583  
 www.infrastructure-eng.com

STANDARD DRAWINGS

<u>701006</u>	<u>701011</u>	<u>701101</u>	<u>701301</u>	<u>702001</u>
424001	720001	813001	<u>814001</u>	814006
877001	877006	877011	878001	
880001	<u>880006</u>	<u>886001</u>	<u>857001</u>	

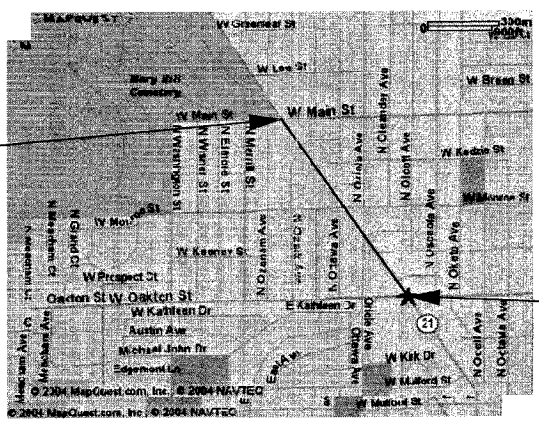
<u>701201</u>	701501	701606	701801	701321
<u>701421</u>	701601	<u>701701</u>	701316	701502

NOTE: STANDARD DRAWINGS REQUIRED(CIRCLED)

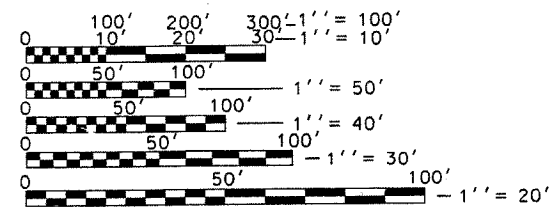
NILES TOWNSHIP  
 VILLAGE OF NILES

PROJECT BEGINS

PROJECT ENDS



LOCATION MAP



STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS

SUBMITTED March 4 2005  
Deane M. O'Keefe  
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 13, 2005  
Mike Hine  
 ENGINEER OF DESIGN AND ENVIRONMENT

May 13, 2005  
Victor Moder  
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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 OF THE STATE OF ILLINOIS**

CONTRACT NO. 62739  
 PREPARED BY Jerry Rammacher  
 TRAFFIC ENGINEER  
3/4/05  
 DATE

CALL J.U.L.I.E. 48 HRS. BEFORE DIGGING

Rev. 5-26-05

INFRASTRUCTURE ENGINEERING, INC.  
 29 S. LASALLE ST., SUITE 345  
 CHICAGO, IL 60603-1557  
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 FAX 312.425.9564  
 info@infrastructure-eng.com

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
374	2004-020 TS	COOK	13	2
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NUMBER: 62739

PERCENTAGES				CONSTRUCTION TYPE CODE		
SUMMARY OF QUANTITIES				Y031-1F	Y031-1F	Y031-1F
CODE#	ITEM	UNIT	TOTAL QUANTITIES	IL. RTE. 21 AT OAKTON STREET	IL. RTE. 21 AT MAIN STREET	INTERCONNECT IL. RTE. 21 (MILWAUKEE AVE.) FROM OAKTON STREET TO MAIN STREET
67100100	MOBILIZATION	L SUM	1			
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	0.33	0.33	0.34
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	0.33	0.33	0.34
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	0.33	0.33	0.34
81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	1363			1363
81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	1680			1680
81400100	HANDHOLE	EACH	5			5
X0322925	ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1C	FOOT	3254			3254
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	781		781	
X8710020	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	3260			3260
87900200	DRILL EXISTING HANDHOLE	EACH	4			4
88500100	INDUCTIVE LOOP DETECTOR	EACH	10		10	
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2	1	1	
85700205	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET(SPECIAL)	EACH	1		1	
86400100	TRANSCIEVER - FIBER OPTIC	EACH	1		1	
X8050015	SERVICE INSTALLATION, POLE MOUNT	EACH	1		1	
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		1	
XX002856	RE-OPTIMIZATION OF TRAFFIC SIGNAL SYSTEMS	L. SUM	1			1
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	35		35	
X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	35		35	

URBAN  
100% STATE

GENERAL NOTES:

- ALL CONSTRUCTION SHALL BE PERFORMED ACCORDING TO THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AS PROMULGATED BY ILLINOIS DEPARTMENT OF TRANSPORTATION, DISTRICT 1 TRAFFIC SIGNAL SPECIFICATIONS AND THE PROJECT SPECIAL PROVISIONS.
- THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF THE TRAFFIC SIGNAL SYSTEM. FOR LOCATION OF UTILITIES CALL J.U.L.I.E. TOLL-FREE: 1-800-892-0123.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 SUMMARY OF QUANTITIES,  
 GENERAL NOTES-  
 ILL. RTE. 21 (MILWAUKEE AVE.)  
 FROM MAIN STREET TO  
 OAKTON STREET

SCALE: N.T.S.  
 DATE 09-20-04

DRAWN BY N.B.  
 DESIGNED BY N.B.  
 CHECKED BY D.B./M.S.

Rev. 5-26-05