

62890

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1238	2004-125 TS	LAKE	18	1
D-91-086-05				

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15. CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES - IL. RTE. 176 AT ST. MARY'S RD.
- 16-17. INTERCONNECT PLAN - ILL. RTE. 176 FROM ST. MARY'S RD. TO BRADLEY RD.
18. INTERCONNECT SCHEMATIC

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
FAU ROUTE 1238/ILL. ROUTE 176 (PARK AVE.)
FROM ST. MARY'S ROAD TO BRADLEY ROAD
SECTION 2004-125 TS
LAKE COUNTY
C-91-086-05



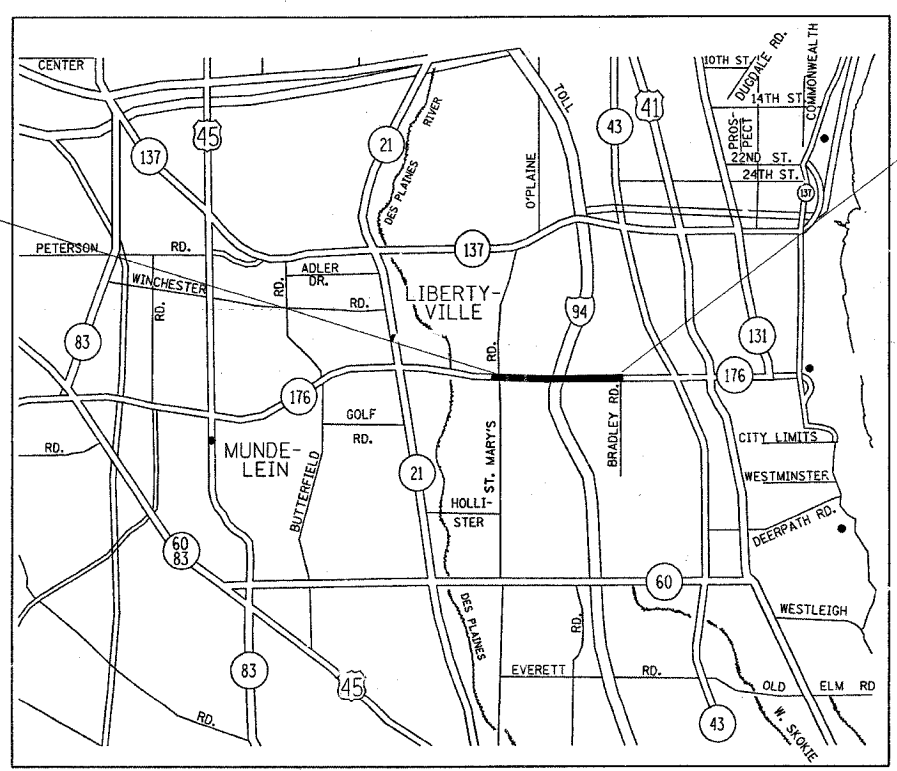
STANDARDS

701006-02	702001-05	880006	701801-03
701011-01	424001-03	701501-03	
701101-01	814001	701606-04	
701301-02	857001	701701-04	

IMPROVEMENT LOCATED IN THE VILLAGE OF LIBERTYVILLE, ILLINOIS

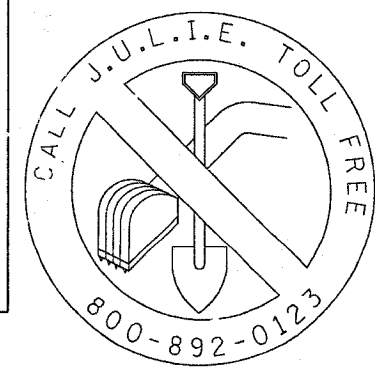
PROJECT BEGINS

PROJECT ENDS



LENGTH OF IMPROVEMENT = 1.2 MI
LIBERTYVILLE TOWNSHIP
LOCATION MAP

SCALE: PLAN 1" = 20'
INTERCONNECT 1" = 50'



48 - HOURS BEFORE DIGGING

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

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

May 13, 2005
Mike Hine
ENGINEER OF DESIGN AND ENVIRONMENT

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

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THE STATE OF ILLINOIS

BUREAU OF TRAFFIC: TERRY RAMMACHER / DARYLE DREW (847) 705-4420

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

PREPARED BY: Terry Rammacher 3/1/05
TRAFFIC ENGINEER DATE

CONTRACT NO. 62890

Rev. 5-26-05

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1238	2004-125 TS	LAKE	18	2
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT #62890				

SUMMARY OF QUANTITIES

PERCENTAGES								
LOCATION OF WORK				ILL. RTE. 176 AT ST. MARY'S RD.	ILL. RTE. 176 AT WEST OF I-94 RAMP	ILL. RTE. 176 AT EAST OF I-94 RAMP/LAMBS FARM ENTRANCE	ILL. RTE. 176 AT BRADLEY RD	INTERCONNECT ILL. RTE. 176 ST. MARY'S TO BRADLEY RD
SUMMARY OF QUANTITIES				CONSTRUCTION CODE TYPE				
CODE NUMBER	ITEM	UNIT	TOTAL QUANTITIES	Y031-1F	Y031-1F	Y031-1F	Y031-1F	Y031-1F
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4	-	-	-	-	-
67100100	MOBILIZATION	L SUM	1	-	-	-	-	-
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	0.2	0.2	0.2	0.2	0.2
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	0.2	0.2	0.2	0.2	0.2
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	0.2	0.2	0.2	0.2	0.2
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	0.2	0.2	0.2	0.2	0.2
81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	2380	-	-	-	-	2380
81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	120	-	-	-	-	120
81400200	HEAVY-DUTY HANDHOLE	EACH	4	-	-	-	-	4
81500200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	2380	-	-	-	-	2380
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	4	1	1	1	1	-
85700205	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET(SPECIAL)	EACH	3	-	1	1	1	-
86400100	TRANSCEIVER - FIBER OPTIC	EACH	3	-	1	1	1	-
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	490	-	-	-	490	-
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	215	-	115	35	65	-
87900200	DRILL EXISTING HANDHOLE	EACH	2	-	-	-	-	2
88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	16	-	4	6	6	-
88500100	INDUCTIVE LOOP DETECTOR	EACH	16	-	4	6	6	-
88800100	PEDESTRIAN PUSHBUTTON	EACH	4	-	-	2	2	-
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	250	-	125	45	80	-
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	3	-	1	1	1	-
X0322925	ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1C	FOOT	3230	-	-	-	-	3230
X8050015	SERVICE INSTALLATION, POLE MOUNT	EACH	3	-	1	1	1	-
X8710020	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	3230	-	-	-	-	3230
X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	215	-	115	35	65	-
X8800020	SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION MAST ARM MOUNTED	EACH	9	-	2	3	4	-
X8800035	SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION BRACKET MOUNTED	EACH	10	-	3	5	2	-
X8800038	SIGNAL HEAD, L.E.D., 1-FACE, 4-SECTION MAST ARM MOUNTED	EACH	2	-	-	2	-	-
X8800040	SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION BRACKET MOUNTED	EACH	2	-	-	1	1	-
X8800045	SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION MAST ARM MOUNTED	EACH	3	-	-	1	2	-
X8800010	SIGNAL HEAD, L.E.D., 1-FACE, 1-SECTION, MAST ARM MOUNTED	EACH	2	-	2	-	-	-
X8805280	SIGNAL HEAD, L.E.D., 2-FACE, 3-SECTION, 5-SECTION, BRACKET MOUNTED	EACH	1	-	-	-	1	-
X8810610	PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNTED	EACH	4	-	-	2	2	-
XX002856	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM	LSUM	1	.25	.25	.25	.25	-

URBAN
100% STATE

c:\projects\traffic\013200\1176\bradley.m32
2/7/2005

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
ILL. RTE. 176 (PARK AVE.)
ST. MARY'S TO BRADLEY RD.

Rev. 5-26-05

SCALE: NONE
DATE: 01-05-2005

DRAWN BY: SM
DESIGNED BY: SM
CHECKED BY: DAD