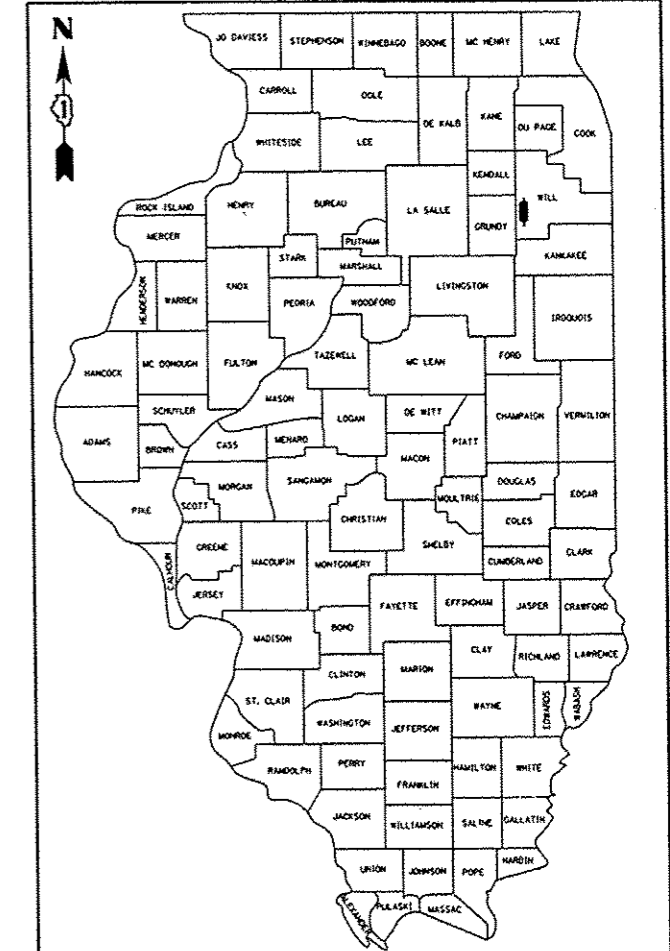


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	1
		ILLINOIS	CONTRACT NO. 60P51	

* 102 + 10 = 112

D-91-568-11



LOCATION OF SECTION INDICATED THIS: —

SA STRAND ASSOCIATES*
 1170 SOUTH HUBBOLD ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
 IDPRR NO. 184-001273

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED 9/24/13 2013
John F. Williams
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 9 2014
John D. Baranzoni, P.E.
 ENGINEER OF DESIGN AND ENVIRONMENT

May 9 2014
Omer Osman, P.E.
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

Rev 6-3-14

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

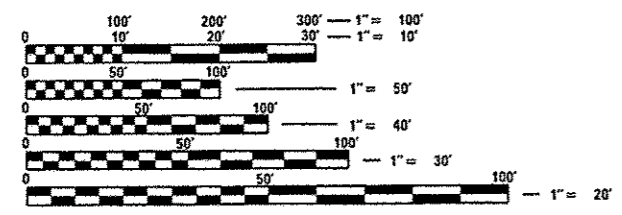
FAU 4301 (FAI 55-1-55 E. FRONTAGE RD.)
 SECTION 99-IAC-2
 I-55 AT ARSENAL ROAD INTERCHANGE
 NORTHBOUND FRONTAGE ROAD
 RECONSTRUCTION AND WIDENING
 PROJECT: *ACM-4301 (001)*
 WILL COUNTY
 C-91-568-11

SUBSURFACE UTILITY ENGINEERING (S.U.E.)
 UTILIZED ON THIS PROJECT

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT IS LOCATED IN UNINCORPORATED WILL COUNTY

DESIGN DESIGNATION:
 ADT 35,900(10) STRATEGIC REGIONAL ARTERIAL (SRA) 22.47 (JPCP-20)
 CLASS I TRUCK ROUTE
 DESIGN SPEED: 50 MPH

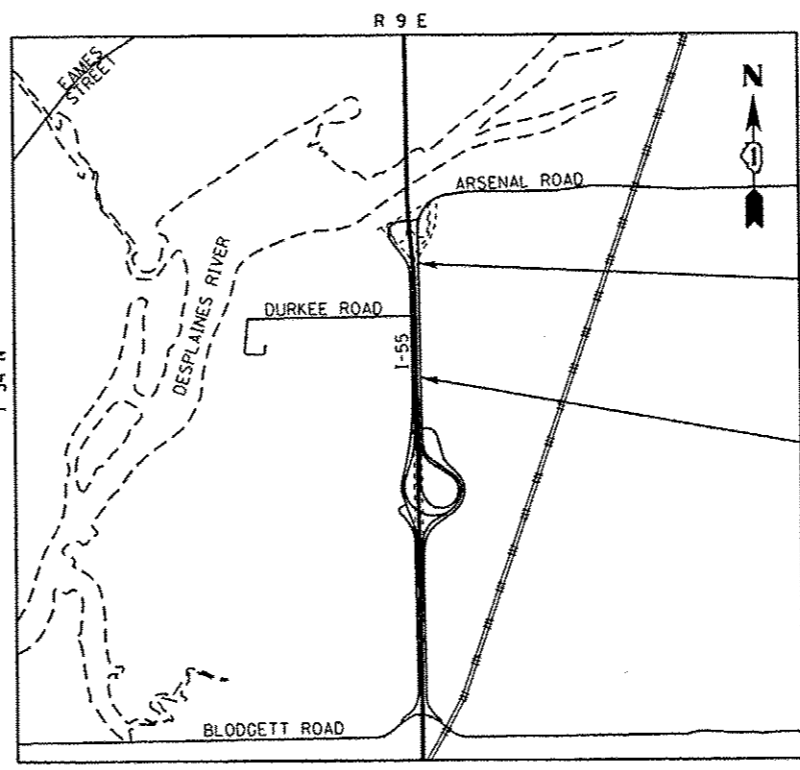


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
 1-800-892-0123
 OR 811

PROJECT MANAGER: HELEN PAZON, P.E. (IDOT) (847) 705-4523

CONTRACT NO. 60P51



LOCATION MAP
 SCALE= 1:2400

LENGTH OF PROJECT
 ARSENAL ROAD = 3,252.95 FT = 0.616 MI
 GROSS AND NET LENGTH = 3,252.95 FT = 0.616 MI

END IMPROVEMENT
 STA 952+75.00 @ ARSENAL RD

BEGIN IMPROVEMENT
 STA 920+22.05 @ ARSENAL ROAD

Marc A. Grigas
 PROFESSIONAL ENGINEER OF ILLINOIS
 9/19/13
 11/30/13
 MARC A. GRIGAS, P.E.

8/19/2013 10:16:37 AM S:\JUL16300-60P51\60P51\045\1\045\1\045\1-SU1-CORR001.dgn

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER
2	INDEX OF SHEETS & HIGHWAY STANDARDS
3	GENERAL NOTES AND COMMITMENTS
4-10	SUMMARY OF QUANTITIES
11-13	TYPICAL SECTIONS
14-15	SCHEDULE OF QUANTITIES
16-18	ALIGNMENTS, TIES, AND BENCHMARKS
19-21	EXISTING PLAN AND REMOVALS
22-24	PROPOSED ARSENAL ROADWAY PLAN
25-26	ARSENAL ROAD PROFILE
27	MOT GENERAL NOTES
28-29	MOT TYPICAL SECTIONS
30-33	MOT STAGE 1A
34	MOT STAGE 1B
35-36	MOT STAGE 2A
37	MOT STAGE 2B
38-40	TEMPORARY EROSION AND SEDIMENT CONTROL
41-43	DRAINAGE AND UTILITY PLAN
44-47	SUBSURFACE UTILITY ENGINEERING SHEETS
48-64	PLAT OF HIGHWAYS
65	PAVEMENT DETAILS
66-69	PAVEMENT MARKING PLAN
70-72	LANDSCAPING AND PERMANENT EROSION & SEDIMENT CONTROL
72a-72j	TRAFFIC SIGNAL SHEETS
73	GENERAL DETAILS
74-82	DISTRICT 1 DETAILS
83-102	CROSS SECTIONS


IDOT HIGHWAY STANDARDS:

000001-06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-07	PAVEMENT JOINTS
420101-04	24' (7.2m) JOINTED PCC PAVEMENT
420106-04	36' (10.8m) JOINTED PCC PAVEMENT
483001-04	PCC SHOULDER
601001-04	SUB-SURFACE DRAINS
601101-01	CONCRETE HEADWALL FOR PIPE DRAINS
701101-04	OFF-ROAD OPERATIONS, MULTILANE, LESS THAN 4.5 M (15') TO 600 MM (24") FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 4.5 M (15') AWAY
701421-05	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS = 45 MPH TO 55 MPH
701422-06	LANE CLOSURE, MULTILANE, FOR SPEEDS = 45 MPH TO 55 MPH
701423-07	LANE CLOSURE, MULTILANE + BARRIER, FOR SPEEDS = 45 MPH TO 55 MPH
701426-06	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≥ 45 MPH
701606-09	LANE CLOSURE, MULTILANE, 2W, WITH MOUNTABLE MEDIUM
701901-03	TRAFFIC CONTROL DEVICES
704001-07	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
729001-01	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)
780001-04	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

IDOT DISTRICT ONE STANDARD DETAILS:

BD-51	BENCHING DETAIL FOR EMBANKMENT WIDENING
BD-52	DETAIL OF PAVEMENT SEPARATION JOINT FOR JOINTED PCC
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS.
TC-11	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKER (SNOW-PLOW RESISTANT)
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-16	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC
TC-18	SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS
TC-22	ARTERIAL ROAD INFORMATION SIGN
TC-26	DRIVEWAY ENTRANCE SIGNING

FILE NAME: S:\JUL\ES22--S\99M\445\45\M\ec\p\c\000_Sheet_01(DIST1)-SHT-INDEX.dgn



1170 SOUTH HOLSOLT ROAD
JOLIET, ILLINOIS 60431
815/744-4200

USER NAME: Bjtjp	DESIGNED: MAG	REVISED: A 5/27/14
MODEL NAME: Default	DRAWN: JKP/DJW	REVISED:
PLOT SCALE: 100.0000' / in.	CHECKED: BMA	REVISED:
PLOT DATE: 5/27/2014	DATE: 12-5-12	REVISED:

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INDEX OF SHEETS & HIGHWAY STANDARDS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-1AC-2	WILL	102	2
CONTRACT NO. 60P51			ILLINOIS FED. AID PROJECT	

CONSTRUCTION CODE

ROADWAY 0003
80% FED.
20% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	URBAN
40600895	CONSTRUCTING TEST STRIP	EACH	1	1
42000501	PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	SQ YD	3,873	3,873
42300600	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 10 INCH	SQ YD	1,209	1,209
44000100	PAVEMENT REMOVAL	SQ YD	2,445	2,445
44000189	HOT-MIX ASPHALT SURFACE REMOVAL, 10"	SQ YD	114	114
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	2,306	2,306
48203037	HOT-MIX ASPHALT SHOULDERS, 10"	SQ YD	121	121
48300500	PORTLAND CEMENT CONCRETE SHOULDERS 10"	SQ YD	2,901	2,901
50105220	PIPE CULVERT REMOVAL	FOOT	379	379
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	2	2
54001002	BOX CULVERT END SECTIONS, CULVERT NO. 2	EACH	2	2
54001003	BOX CULVERT END SECTIONS, CULVERT NO. 3	EACH	2	2
54010302	PRECAST CONCRETE BOX CULVERTS 3' X 2'	FOOT	88	88
54010402	PRECAST CONCRETE BOX CULVERTS 4' X 2'	FOOT	152	152

+ SPECIALTY ITEM

Rev. 6-3-14

FILE NAME = S:\JOL_6388-6394\6346\645\Micro\AC\600 Sheets\0160P51.plt-500.dgn

SA STRAND ASSOCIATES
1110 SOUTH HURBOLT ROAD
JOLIET, ILLINOIS 60431
18157 744-8200

USER NAME = dennis	DESIGNED - MAG	REVISIONS -
MODEL NAME = Default	DRAWN - JKP/DJW	REVISIONS -
PLOT SCALE = 2.0000 1/16"	CHECKED - BMA	REVISIONS -
PLOT DATE = 3/31/2014	DATE - 12-5-12	REVISIONS -

STATE OF ILLINOIS	DEPARTMENT OF TRANSPORTATION
-------------------	------------------------------

SCALE: N/A	SHEET 3 OF 7 SHEETS	STA. TO STA.
------------	---------------------	--------------

SUMMARY OF QUANTITIES			
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS
SS	99-IAC-2	WILL	102
CONTRACT NO.			60P51

ILLINOIS FED. AID PROJECT	TOTAL SHEETS	SHEET NO.
	102	6

CONSTRUCTION CODE
ROADWAY 0003
80% FED.
20% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	URBAN
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	13	13
60107700	PIPE UNDERDRAINS 6"	FOOT	3,110	3,110
60108200	PIPE UNDERDRAINS 6" (SPECIAL)	FOOT	292	292
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	60	60
60618730	CONCRETE MEDIAN, TYPE M-2.06	SQ FT	120	120
60618740	CONCRETE MEDIAN, TYPE M-2.12	SQ FT	576	576
+ 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	500	500
+ 66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1	1
+ 66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2
67100100	MOBILIZATION	L SUM	1	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	27	27
70106800	CHANGEABLE MESSAGE SIGN	CAL MD	8	8
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1784	1784
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	15,103	15,103

+ SPECIALTY ITEM

A

Rev. 6-3-14

FILE NAME * S:\JDK\6388-6399\6345\645\Micros\CR00 Sheets\016P51.sht:500.dgn



USER NAME * dennis	DESIGNED - MAG	REVISED -
MODEL NAME * Default	DRAWN - JKP/DJW	REVISED -
PLOT SCALE * 2.0000 / 1"	CHECKED - BMA	REVISED -
PLOT DATE * 2/18/2014	DATE - 12-5-12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES	
SCALE: N/A	SHEET 4 OF 7 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-1AC-2	WILL	102	7
CONTRACT NO. 60P51			ILLINOIS FED. AID PROJECT	

CONSTRUCTION CODE

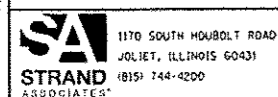
ROADWAY 0003
80% FED.
20% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	URBAN
70400100	TEMPORARY CONCRETE BARRIER	FOOT	962.5	962.5
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	102	102
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	5	5
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2
+ 72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	1	1
+ 73700200	REMOVE CONCRETE FOUNDATION - GROUND MOUNT	EACH	2	2
+ 78008200	POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	50 FT	416	416
+ 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	21,755	21,755
+ 78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	1336	1336
+ 78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	901	901
+ 78008270	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	FOOT	225	225
+ 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	381	381
+ 78100300	REPLACEMENT REFLECTOR	EACH	146	146
+ 78200530	BARRIER WALL MARKERS, TYPE C	EACH	82	82

+ SPECIALTY ITEM

Rev. 6-3-14

FILE NAME: S:\JUL13138-6394\6346\645\N\cros\CHDD_Sheets\016951.sht-500.dgn



1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME: dennisw
MODEL NAME: Default
PLOT SCALE: 2,0000 1" = 100'
PLOT DATE: 3/10/2014

DESIGNED - MAG
DRAWN - JKP/DJW
CHECKED - BMA
DATE - 12-5-12

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
SCALE: N/A SHEET 5 OF 7 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	8
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60P51	

CONSTRUCTION CODE
ROADWAY 0003
80% FED.
20% STATE

E. Frontage Rd. @
Exxon Motel
Contractors Gate
TRAFFIC SIGNALS
80% FED. / 20% STATE

E. Frontage Rd. @
Exxon Motel
Main Gate
TRAFFIC SIGNALS
80% FED. / 20% STATE

A

+ B5000200

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	URBAN
78300100	PAVEMENT MARKING REMOVAL	SO FT	6,536	6,536
+ B5000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1	1
X0326020	UTILITY PROTECTION PAD	SO YD	142	142
X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	16	16
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	4	4
X4060110	BITUMINOUS MATERIALS (PRIME COAT)	POUND	11,765	11,765
X6700410	ENGINEER'S FIELD OFFICE, TYPE A (SPECIAL)	CAL MD	4	4
X6700600	ENGINEER'S FIELD LABORATORY (SPECIAL)	CAL MD	4	4
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1
X7030025	WET REFLECTIVE TEMPORARY TAPE, TYPE III - LETTERS AND SYMBOLS	SO FT	546	546
X7030030	WET REFLECTIVE TEMPORARY TAPE TYPE III, 4 INCH	FOOT	35,964	35,964
X7030040	WET REFLECTIVE TEMPORARY TAPE TYPE III, 6 INCH	FOOT	1,414	1,414
X7030050	WET REFLECTIVE TEMPORARY TAPE TYPE III, 12 INCH	FOOT	1267	1267
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1

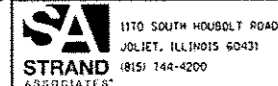
0021
URBAN

0021
URBAN

+ SPECIALTY ITEM

A Rev. 6-3-14

FILE NAME = S:\JULY08-ESPING\4545\micr\cadd\sheet\016P51-11-500.dgn



1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = dennis	DESIGNED - MAG	REVISED -
MODEL NAME = Default	DRAWN - JKP/DJW	REVISED -
PLOT SCALE = 2.0000 "/>		
PLOT DATE = 3/31/2014	CHECKED - BMA	REVISED -
	DATE - 12-5-12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
SCALE: N/A SHEET 6 OF 7 SHEETS STA. TO STA.

F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-1AC-2	WILL	102	9
CONTRACT NO. 60P51				
ILLINOIS FED. AID PROJECT				

CONSTRUCTION CODE
ROADWAY 0003
80% FED.
20% STATE

E. Frontage Rd. @
Exxon Motel
Contractors Gate
TRAFFIC SIGNALS
80% FED./20% STATE
0021
URBAN

E. Frontage Rd. @
Exxon Motel
Main Gate
TRAFFIC SIGNALS
80% FED./20% STATE
0021
URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	URBAN
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	152	152
Z0062456	TEMPORARY PAVEMENT	SQ YD	277	277
Z0073345	SLEEPER SLAB	FOOT	124	124
+ Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	2	
∅ Z0076600	TRAINEES	HOUR	500	500
∅ Z0076604	TRAINEES-TRAINING PROGRAM GRADUATE	HOUR	500	500

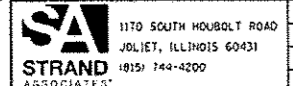
1

1

∅ + SPECIALTY ITEM
0042

Rev. 6-3-14

FILE NAME: S:\JDL\6398--8399\5246\BMS\Access\CAD Sheets\118951-11-500.dgn



1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME: dennisw
MODEL NAME: Default
PLOT SCALE: 2.0000 1" = 100'
PLOT DATE: 2/10/2014

DESIGNED - MAG
DRAWN - JKP/DJW
CHECKED - BMA
DATE - 12-5-12

REVISIONS
REVISOR
REVISION

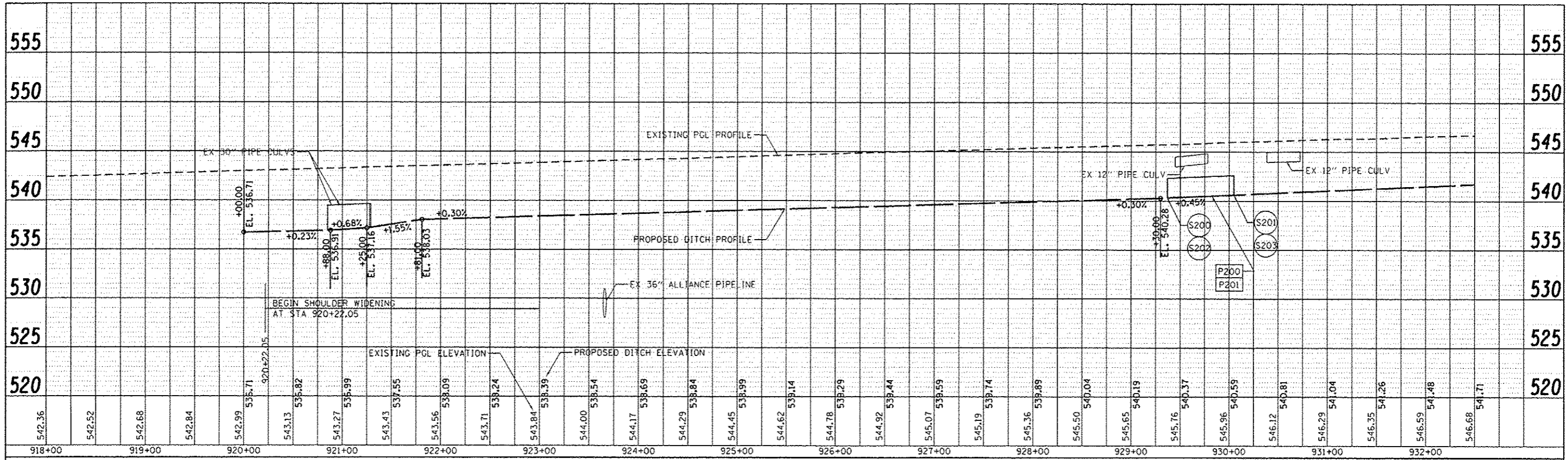
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

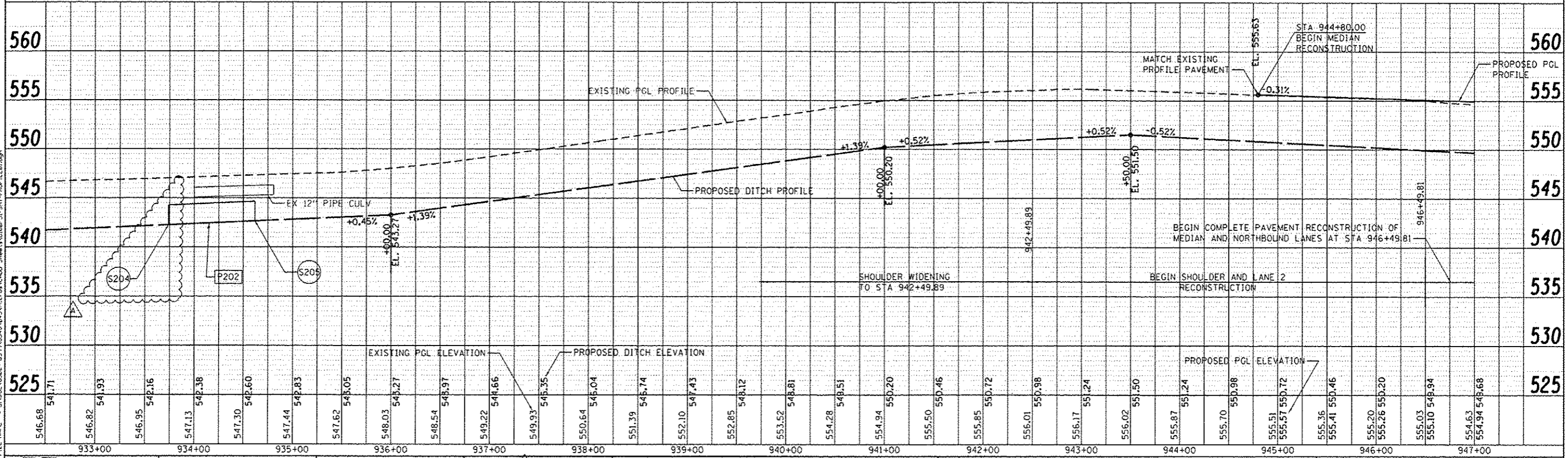
SCALE: N/A SHEET 7 OF 7 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	10
CONTRACT NO.				60P51
ILLINOIS FED. AID PROJECT				

PLAN	DATE
PROJECT NO.	BY
PLotted	
ALIGNED	
CHECKED	
NO. _____	
FILE NAME	



PROFILE	DATE
PROJECT NO.	BY
PLotted	
ELEVATIONS	
CHECKED	
NO. _____	
FILE NAME	



1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
STRAND ASSOCIATES
1815-744-4200

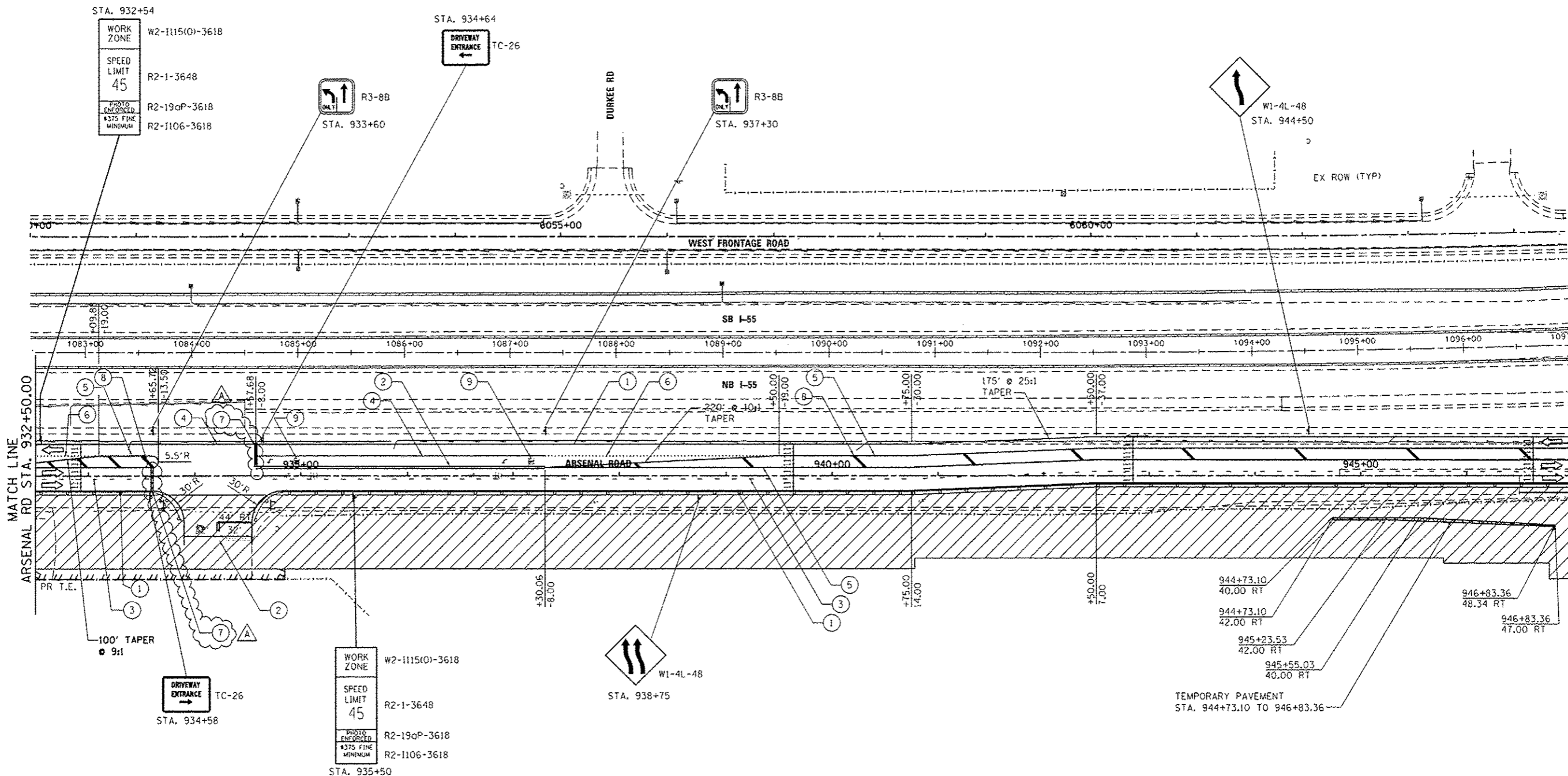
USER NAME	gllip	DESIGNED	MAG	REVISED	5/27/14
MODEL NAME	Default	DRAWN	JKP/DJW	REVISED	
PLOT SCALE	100.0000' / in.	CHECKED	BMA	REVISED	
PLOT DATE	5/27/2014	DATE	12-5-12	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

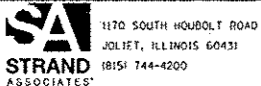
ARSENAL ROAD PROFILE

SCALE: 1"=50'H / 1"=5' V SHEET 1 OF 2 SHEETS STA. 918+00.00 TO STA. 947+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	25
CONTRACT NO. 60P51			ILLINOIS FED. AID PROJECT	



FILE NAME : S:\JUL 6302--6391\6316\645\Micro\CA00 Sheets\0188951-SM1-3\TODING-1A-3.dgn



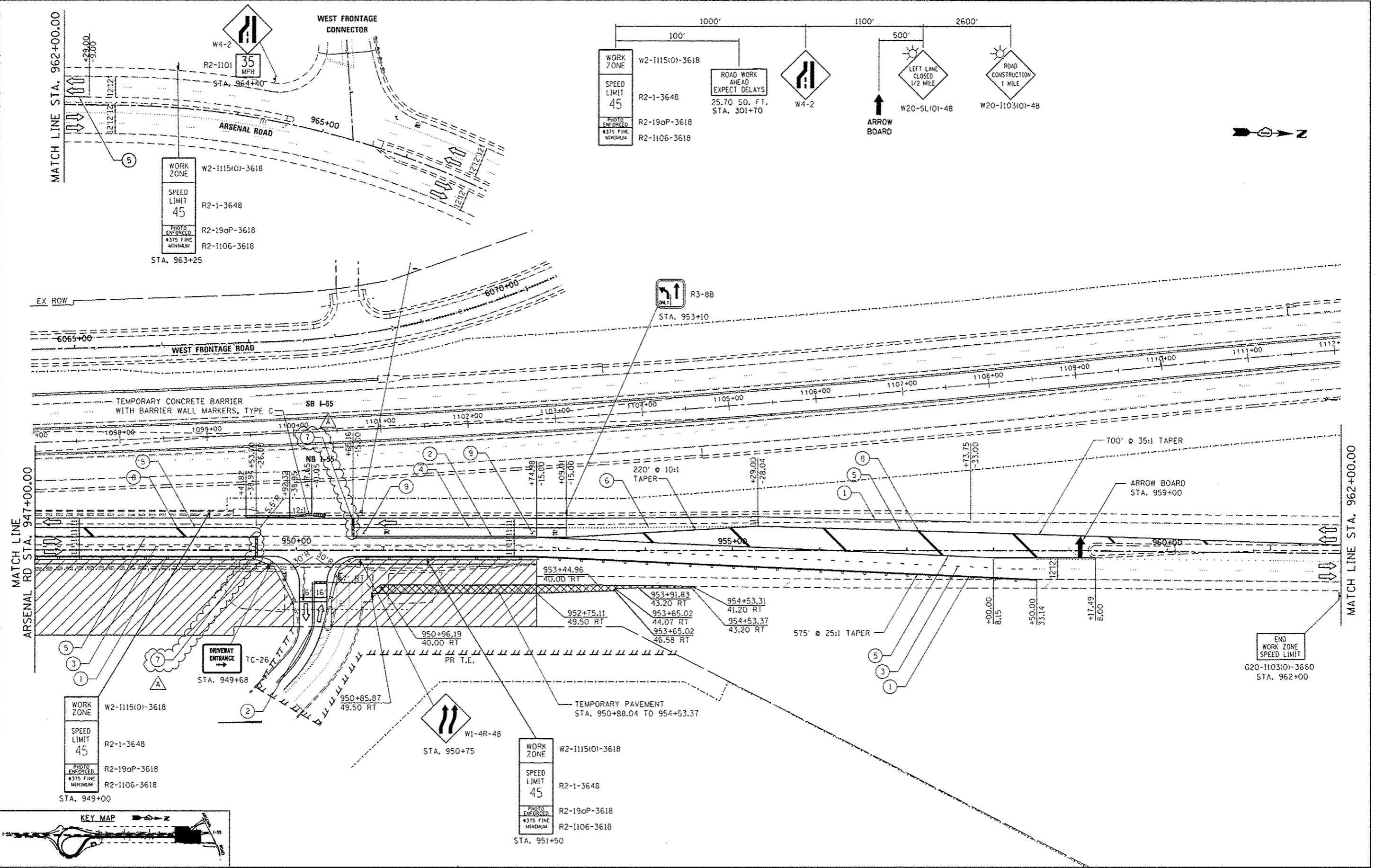
USER NAME : B11JP	DESIGNED - MAG	REVISED - A 5/27/14
MODEL NAME : Default	DRAWN - JKP/DJW	REVISED -
PLOT SCALE : 1/80.0000' / in.	CHECKED - BMA	REVISED -
PLOT DATE : 5/27/2014	DATE - 12-5-12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

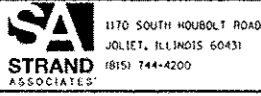
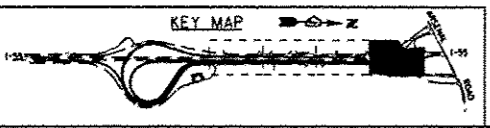
MAINTENANCE OF TRAFFIC STAGE 1A		
SCALE: 1"=50'	SHEET 3 OF 4 SHEETS	STA. 932+50.00 TO STA. 947+00.00

F.A.J. RTE. 55	SECTION 99-IAC-2	COUNTY WILL	TOTAL SHEETS 102	SHEET NO. 32
CONTRACT NO. 60P51				
ILLINOIS FED. AID PROJECT				





FILE NAME = S:\J00_6300-6399\6346\945\micr\ca\c00 Sheets\0168P51-SHT-STAGING-1A-4.dgn



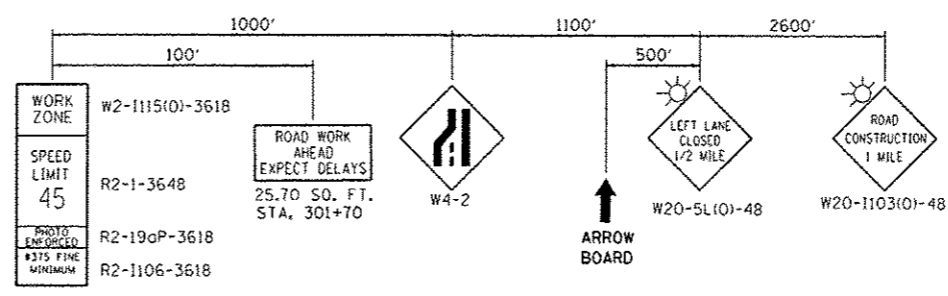
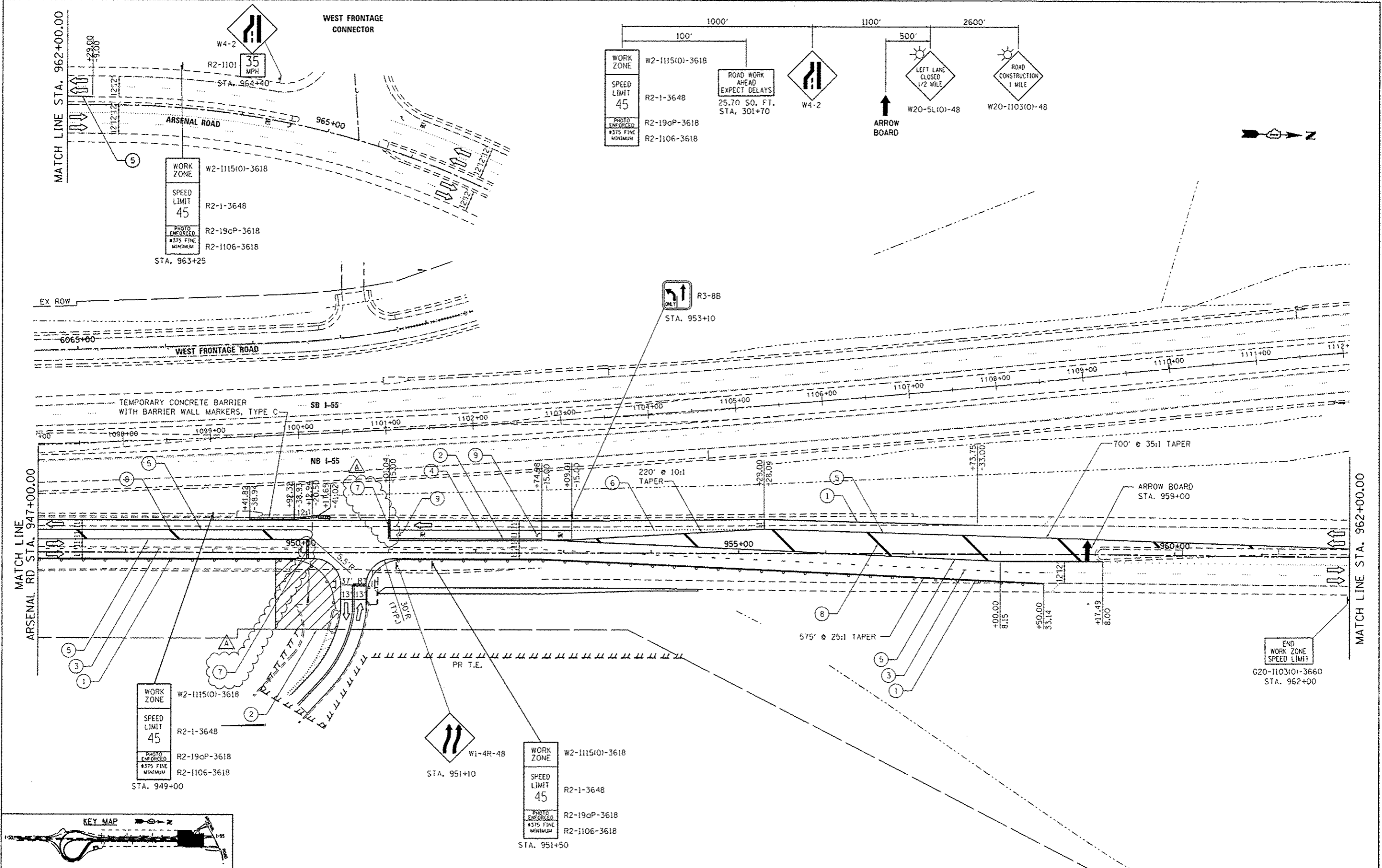
USER NAME = BJJIP	DESIGNED - MAC	REVISED - 5/27/14
MODEL NAME = Default	DRAWN - JRP/DJW	REVISED -
PLOT SCALE = 100.0000 / 1 in.	CHECKED - BMA	REVISED -
PLOT DATE = 5/27/2014	DATE - 12-5-12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
STAGE 1A**

SCALE: 1"=50' SHEET 4 OF 4 SHEETS STA. 947+00.00 TO STA. 962+00.00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
65	99-IAC-2	WILL	102	33
CONTRACT NO. 60P51				
ILLINOIS FED. AID PROJECT				



WORK ZONE
W2-1115(0)-3618
SPEED LIMIT 45
R2-1-3648
PHOTO ENFORCED
#375 FINE MINIMUM
R2-190P-3618
R2-1106-3618
STA. 963+25

WORK ZONE
W2-1115(0)-3618
SPEED LIMIT 45
R2-1-3648
PHOTO ENFORCED
#375 FINE MINIMUM
R2-190P-3618
R2-1106-3618
STA. 949+00

WORK ZONE
W2-1115(0)-3618
SPEED LIMIT 45
R2-1-3648
PHOTO ENFORCED
#375 FINE MINIMUM
R2-190P-3618
R2-1106-3618
STA. 951+50

END WORK ZONE
SPEED LIMIT
G20-1103(0)-3660
STA. 962+00



STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

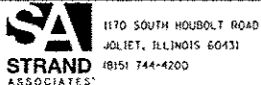
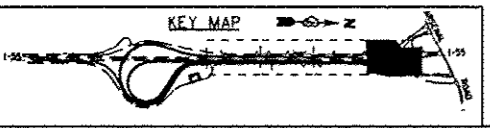
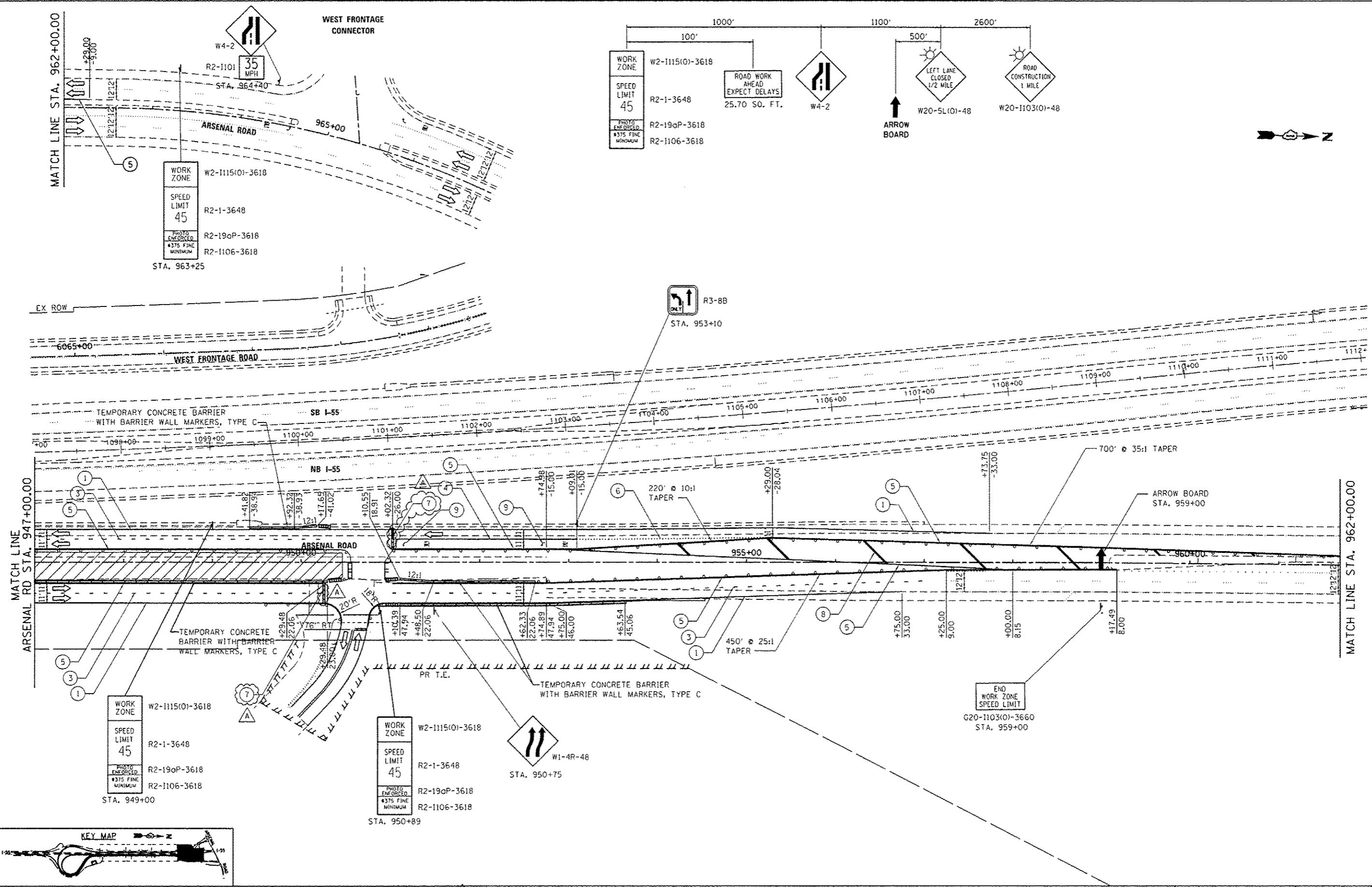
USER NAME = B11P	DESIGNED - MAG	REVISED - A 5/27/14
MODEL NAME = Default	DRAWN - JKP/DJW	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - BMA	REVISED -
PLOT DATE = 5/27/2014	DATE - 12-5-12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
STAGE 1B**
SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. 947+00.00 TO STA. 962+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	34
CONTRACT NO. 60P51			ILLINOIS FED. AID PROJECT	

FILE NAME = S:\JUL13\2014\6399\634\6345\Highway\CADD\Sheets\1016895\SH1-STA97-962-2A.dwg



USER NAME = BJJIP	DESIGNED - MAG	REVISED - A 5/27/14
MODEL NAME = Default	DRAWN - JKP/DJW	REVISED -
PLOT SCALE = 100.0000 / in.	CHECKED - BMA	REVISED -
PLOT DATE = 5/27/2014	DATE - 12-5-12	REVISED -

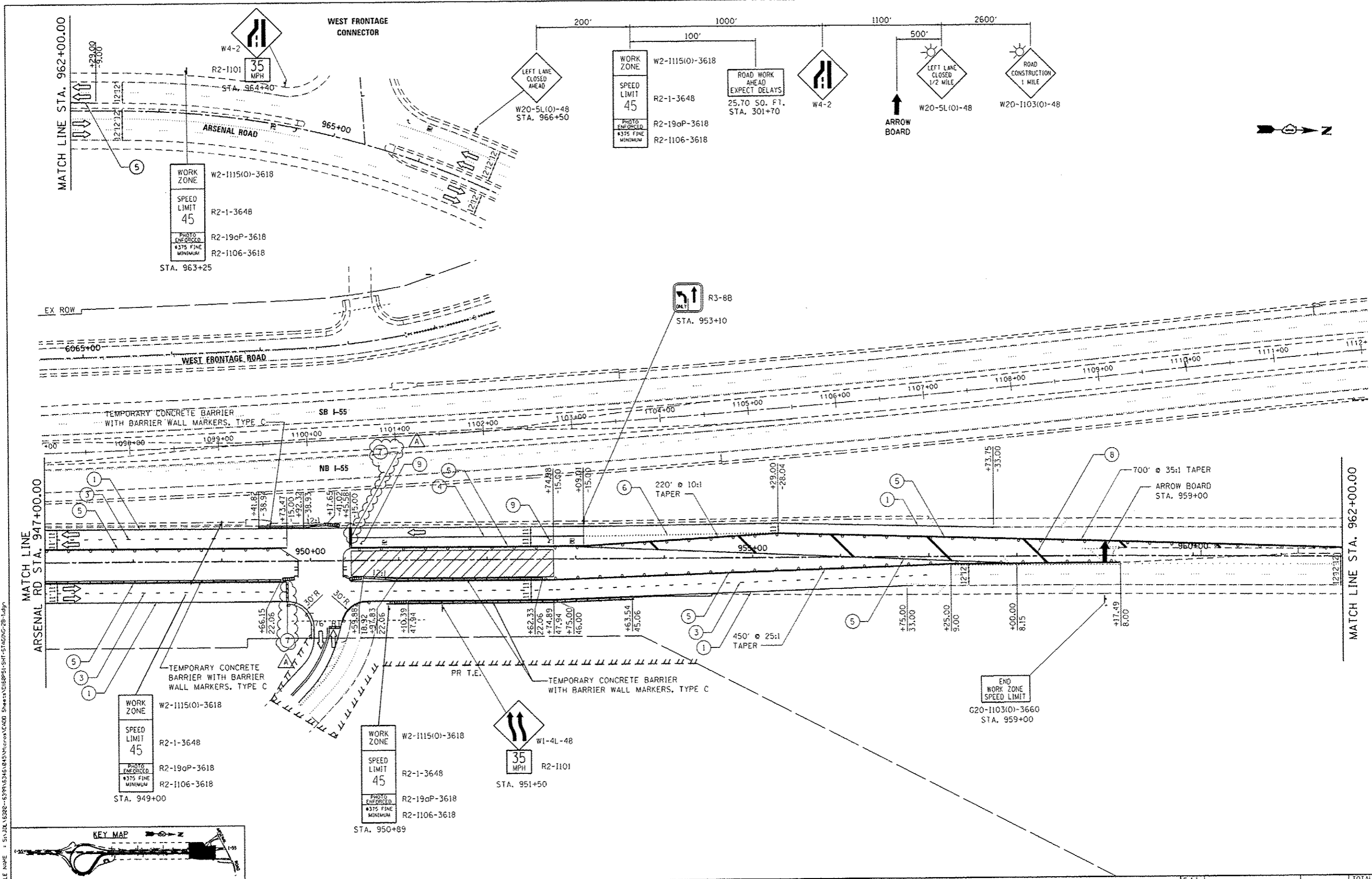
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
STAGE 2A**

SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. 947+00.00 TO STA. 962+00.00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	36
CONTRACT NO. 60P51				
ILLINOIS FED. AID PROJECT				

FILE NAME = S:\JULI\2200-65PRNG245\REV\Drawings\60400_Sheet\1105861-SHT-STAGING-2B-1.dwg



STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = B31P	DESIGNED - MAG	REVISED - A 5/27/14
MODEL NAME = Default	DRAWN - JKP/DJW	REVISED -
PLOT SCALE = 100.0000 1" = 100'	CHECKED - BMA	REVISED -
PLOT DATE = 5/27/2014	DATE - 12-5-12	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**









**MAINTENANCE OF TRAFFIC
 STAGE 2B**

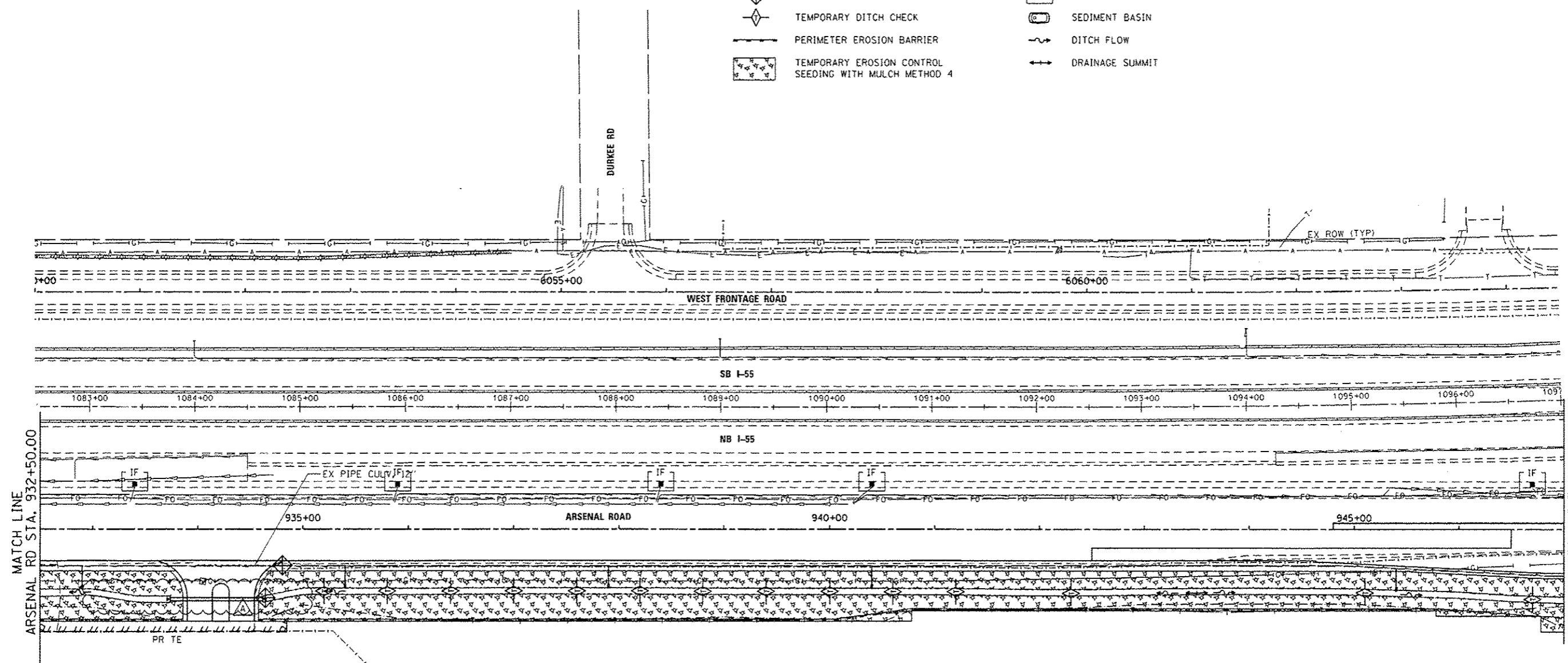
SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. 947+00.00 TO STA. 962+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-1AC-2	WILL	102	37
CONTRACT NO. 60P51			ILLINOIS FED. AID PROJECT	

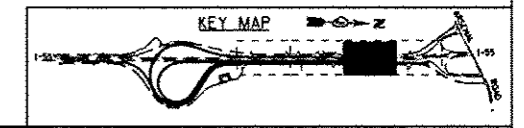


EROSION CONTROL LEGEND

-  INLET AND PIPE PROTECTION
-  TEMPORARY DITCH CHECK
-  PERIMETER EROSION BARRIER
-  TEMPORARY EROSION CONTROL SEEDING WITH MULCH METHOD 4
-  INLET FILTER
-  SEDIMENT BASIN
-  DITCH FLOW
-  DRAINAGE SUMMIT



FILE NAME : S:\JDA\15202-6399\6345\Micro\CADD Sheets\016(PS)-SH-EP0302.dgn



SA STRAND ASSOCIATES
 1170 SOUTH HOBDLY ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME : B11P	DESIGNED - MAG	REVISED -
MODEL NAME : Default	DRAWN - JKP/DJW	REVISED -
PLOT SCALE : 100.0000' / in.	CHECKED - BMA	REVISED -
PLOT DATE : 5/27/2014	DATE - 12-5-12	REVISED -

DESIGNED - MAG	REVISED -
DRAWN - JKP/DJW	REVISED -
CHECKED - BMA	REVISED -
DATE - 12-5-12	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TEMPORARY SEDIMENT & EROSION CONTROL

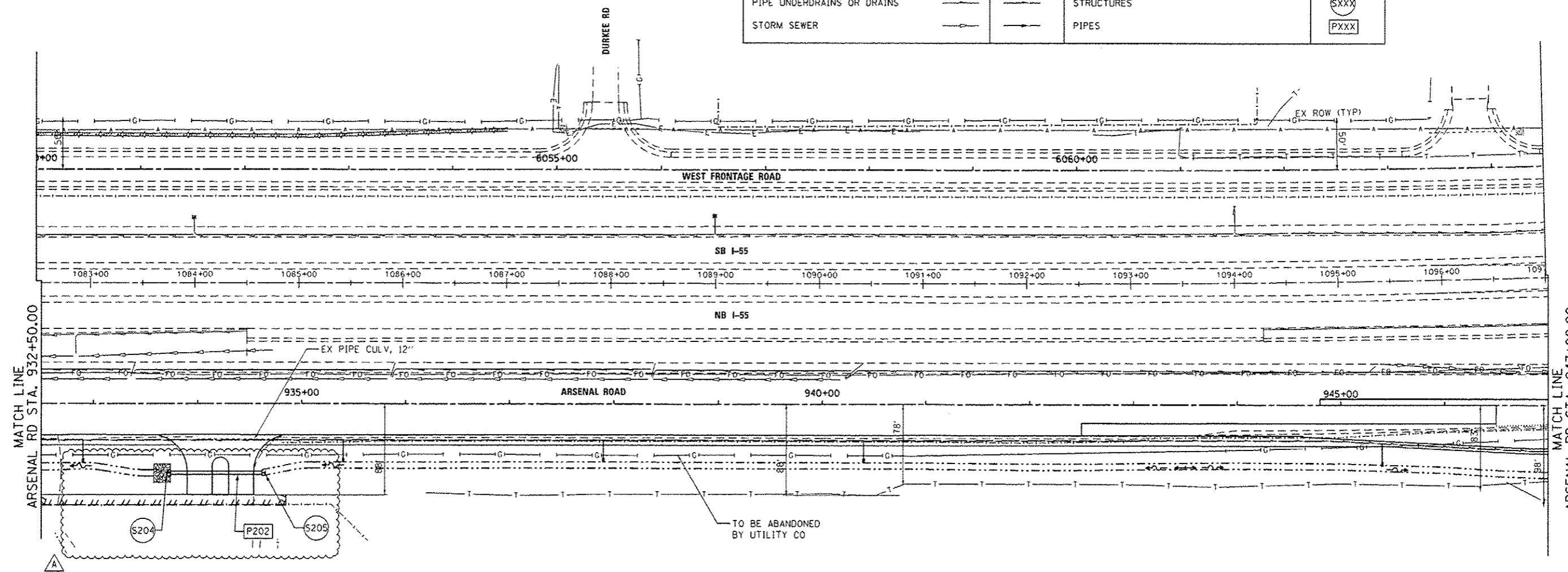
SCALE: 1"=50' SHEET 2 OF 3 SHEETS STA. 932+50.00 TO STA. 947+00.00

F.A.J. RTE. 55	SECTION 99-IAC-2	COUNTY WILL	TOTAL SHEETS 102	SHEET NO. 39
CONTRACT NO. 60P51			ILLINOIS FED. AID PROJECT	



LEGEND

BOUNDARY LINES/SYMBOLS	EXISTING	PROPOSED	BOUNDARY LINES/SYMBOLS	EXISTING	PROPOSED
DITCH & SWALE BOTTOM	---	---	CATCH BASIN	○	●
ROADWAY DITCH FLOW	~	~	INLET	—	—
SUMMIT		~	MANHOLE	○	○
DIRECTION OF SWALE FLOW	→	→	PIPE CULVERT END SECTION	○	○
PIPE OR BOX CULVERT	----	----	CONCRETE HEADWALL FOR PIPE DRAINS		→
PIPE UNDERDRAINS OR DRAINS	---	---	STRUCTURES	(SXXX)	(SXXX)
STORM SEWER	---	---	PIPES	(PXXX)	(PXXX)



NOTE:
1. UNDERDRAIN OFFSET FOR CLARITY, SEE TYPICAL SECTIONS FOR UNDERDRAIN LOCATION.

END SECTION NUMBER	STATION	OFFSET (FT)	TYPE OF STRUCTURE	INVERT ELEVATION
S-204	933+73.88	67.00	PRECAST BOX CULVERT ES, CULV. NO. 3	542.26
S-205	934+61.88	67.00	PRECAST BOX CULVERT ES, CULV. NO. 3	542.66

PIPE NO.	FROM	TO	LENGTH (FT)	SIZE (FT)	PIPE TYPE	SLOPE %	TBF (CY)	DOWNSTREAM INVERT	UPSTREAM INVERT
P-202	S-204	S-205	88	3'X2'	PRECAST CONCRETE BOX CULVERTS	0.45	8	542.30	542.66



FILE NAME: S:\JDA\6308-6399\5345\845\Kcross\CADD\Sheets\1818051-SHT-DRAIN02.dgn

	USER NAME: B11P	DESIGNED: MAG	REVISED: A 5/27/14
	MODEL NAME: Default	DRAWN: JKP/DJW	REVISED: -
	PLOT SCALE: 100.0000' / 1" = 100'	CHECKED: BMA	REVISED: -
	PLOT DATE: 5/27/2014	DATE: 12-5-12	REVISED: -

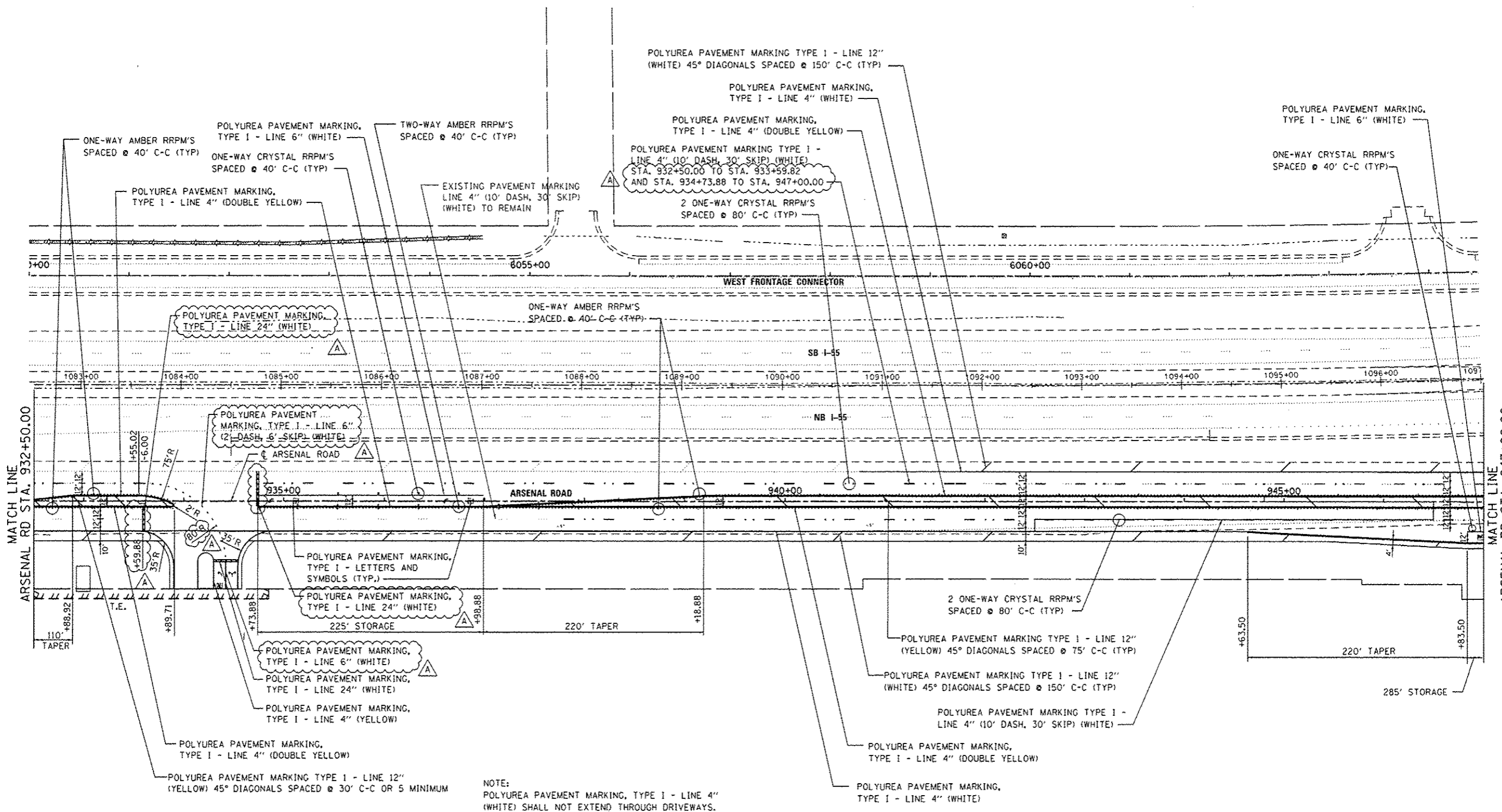
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ARSENAL ROAD DRAINAGE AND UTILITY PLAN

SCALE: 1"=50' SHEET 2 OF 3 SHEETS STA. 932+50.00 TO STA. 947+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	42

CONTRACT NO. 60P51
ILLINOIS FED. AID PROJECT



NOTE:
 POLYUREA PAVEMENT MARKING, TYPE I - LINE 4" (WHITE) SHALL NOT EXTEND THROUGH DRIVEWAYS.



FILE NAME: S:\JDA\16302-6299\6316\45\Micro\CA00 Sheets\0168P51-SH1-PRK3.dgn

SA STRAND ASSOCIATES
 1170 SOUTH HOBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME: B411P	DESIGNED: MAG	REVISED: A 5/27/14
MODEL NAME: Default	DRAWN: JKP/DJW	REVISED: -
PLOT SCALE: 1/8"=1'-0"	CHECKED: BMA	REVISED: -
PLOT DATE: 5/27/2014	DATE: 12-5-12	REVISED: -




**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

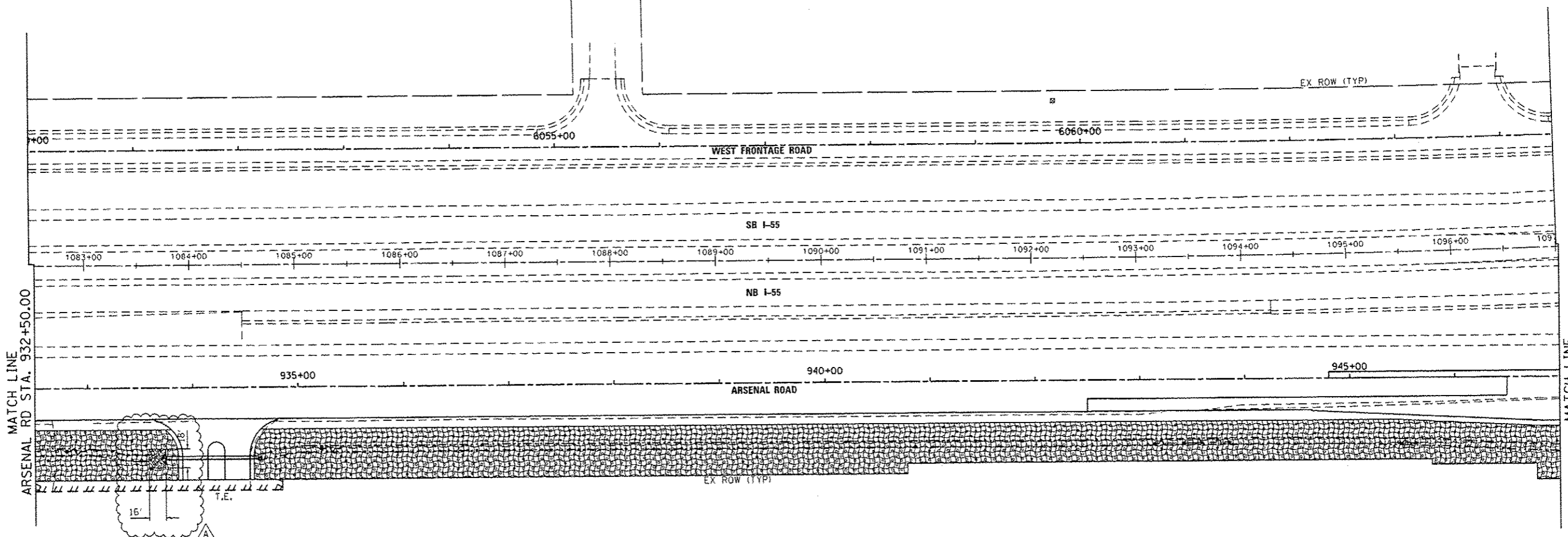
PAVEMENT MARKING PLAN
 SCALE: 1"=50' SHEET 3 OF 4 SHEETS STA. 932+50.00 TO STA. 947+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	68
CONTRACT NO. 60P51				
ILLINOIS FED. AID PROJECT				



LANDSCAPING LEGEND


-  SEEDING CLASS 2A
4" TOPSOIL
-  EROSION CONTROL BLANKET
-  STONE RIPRAP, CLASS A3 OR A4



FILE NAME : S:\JUL162014\63394\6346\05\Microstation\Drawn\1016051-Strand-1016051.dgn



STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

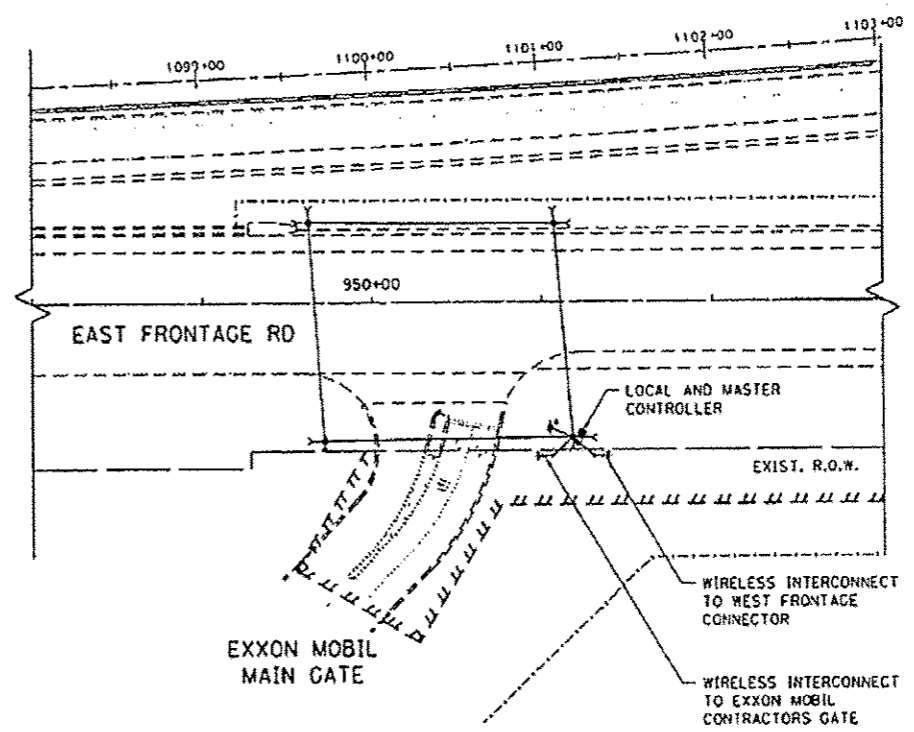
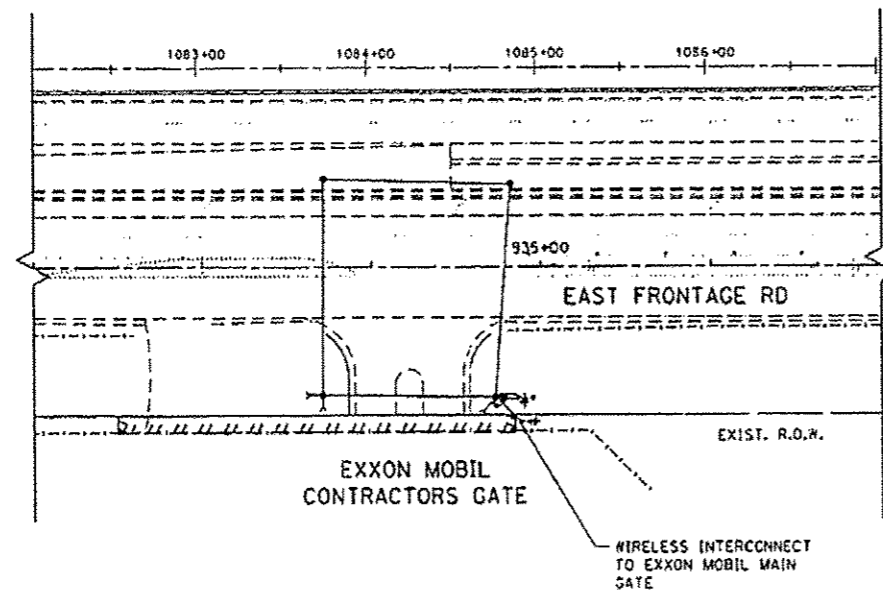
USER NAME : BJJIP	DESIGNED - MAG	REVISED -  5/27/14
MODEL NAME : Default	DRAWN - JKP/DJW	REVISED -
PLOT SCALE : 100.0000' / in.	CHECKED - BMA	REVISED -
PLOT DATE : 5/27/2014	DATE - 12-5-12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING AND PERMANENT SEDIMENT &
EROSION CONTROL SHEET**

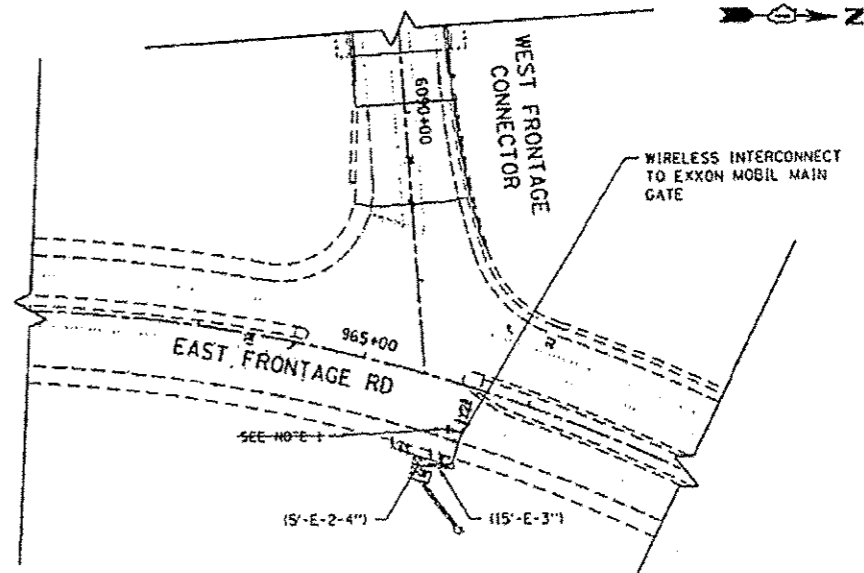
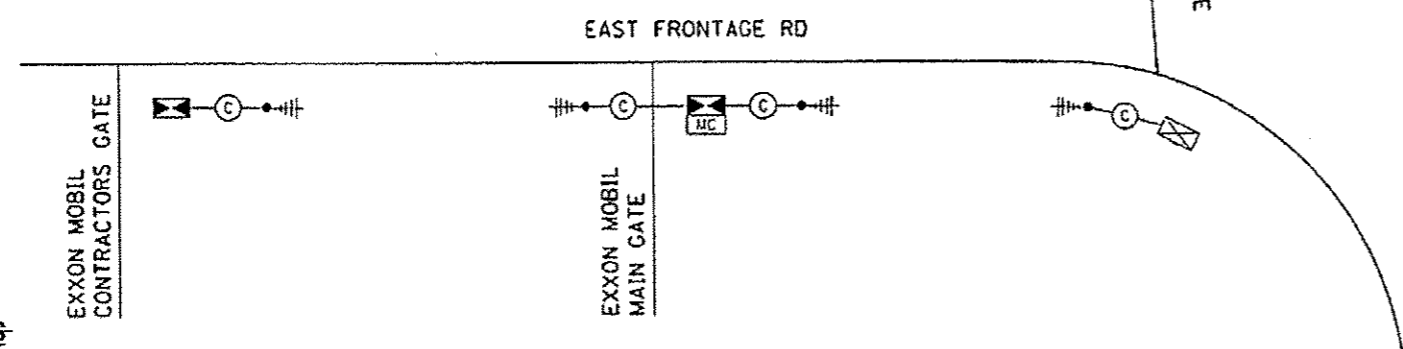
SCALE: 1"=50' SHEET 2 OF 3 SHEETS STA. 932+50.00 TO STA. 947+00.00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	71
CONTRACT NO. 60P51			ILLINOIS FED. AID PROJECT	



~~TEMPORARY INTERCONNECT SCHEDULE OF QUANTITIES~~

ITEM DESCRIPTION	UNITS	TOTAL QTY.
TEMPORARY WIRELESS INTERCONNECT (COMPLETE)	EACH	1
OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1



NOTES

CONTRACTOR SHALL INSTALL THE WIRELESS INTERCONNECT ANTENNA AND RADIO AT THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF EAST FRONTAGE ROAD AND WEST FRONTAGE CONNECTOR. ANTENNA SHALL BE INSTALLED ON THE WEST ARM NEAREST TO THE CONTROLLER. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE WIRELESS INTERCONNECT (COMPLETE) PAY ITEM.

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

A ADDED SHEET 5-27-14

FILE NAME S:\JUL\6388-6399\6346\845\Micro\1400	USER NAME B\JIP	DESIGNED - LP	REVISED - LP 12/04/2012	WILL COUNTY DEPARTMENT OF HIGHWAYS	TEMPORARY INTERCONNECT PLAN AND SCHEMATIC EAST FRONTAGE RD (EXXON MOBIL CONTRACTORS GATE TO WEST FRONTAGE CONNECTOR)	F.A.I. RTE. 55	SECTION 99-IAC-2	COUNTY WILL	TOTAL SHEETS 102	SHEET NO. 721
MODEL NAME	Sheets\0128007-sh1-ts.dgn	DRAWN - LP	REVISED - JW 09/20/2013	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY INTERCONNECT PLAN AND SCHEMATIC EAST FRONTAGE RD (EXXON MOBIL CONTRACTORS GATE TO WEST FRONTAGE CONNECTOR)					
	PLOT SCALE = 40.0000' / in.	CHECKED - IP	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.					CONTRACT NO. 60P51
	PLOT DATE = 05/27/2014	DATE - 05/21/2014	REVISED -							ILLINOIS FED. AID PROJECT

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	EAST FRONTAGE RD AT EXXON MOBIL CONTRACTORS GATE	EAST FRONTAGE RD AT EXXON MOBIL MAIN GATE
				TRAFFIC SIGNALS	TRAFFIC SIGNALS
				0021 URBAN	0021 URBAN
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2	1	1
Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	2	1	1

SUPPLEMENTAL CONSTRUCTION NOTES FOR CONTRACT 60P51

1. THESE TRAFFIC SIGNAL PLANS HAVE BEEN PREPARED "FOR INFORMATION ONLY" FOR CONTRACT 60P51 AND SHALL BE ONLY USED AS A GENERAL GUIDANCE IN PROVIDING SAFE AND EFFICIENT TRAFFIC SIGNAL STAGING OPERATIONS DURING THE CONSTRUCTION OF THE PROPOSED ROADWAY WORK.
2. TRAFFIC SIGNAL CONTRACTOR SHALL COORDINATE ALL THE WORK WITH THE ROADWAY CONTRACTOR TO ENSURE THE CORRECT STAGING OF THE SPAN WIRE TRAFFIC SIGNALS IS MAINTAINED.
3. TRAFFIC SIGNAL CONTRACTOR SHALL RELOCATE EXISTING SIGNAL HEADS TO ANY LOCATION ON THE SPAN WIRE IN ORDER TO MATCH ROADWAY STAGING OR AS DIRECTED BY THE ENGINEER. THE SPAN WIRE TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEADS RELOCATIONS. THIS WORK SHALL BE INCLUDED IN THE MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION PAY ITEM, AND THE PRICE SHALL INCLUDE ALL COSTS FOR MODIFICATIONS REQUIRED FOR TRAFFIC STAGING AS WELL AS ANY CHANGES TO THE SIGNAL PHASING. EACH INTERSECTION WILL BE PAID FOR SEPARATELY.
4. ALL THE TRAFFIC SIGNAL EQUIPMENT DISPLAYED IN THESE PLANS SHOULD BE CONSIDERED AS EXISTING AND SHOULD BE ALREADY INSTALLED AND OPERATIONAL IN THE FIELD. NO OTHER EQUIPMENT SHOULD BE NECESSARY UNDER THIS CONTRACT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

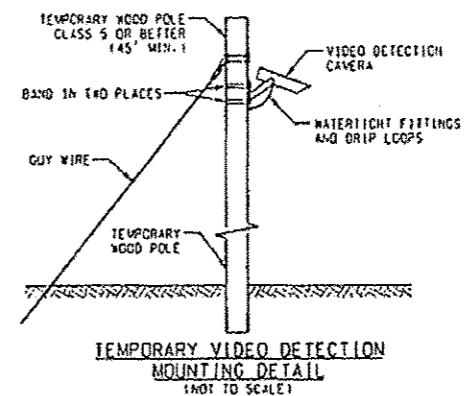
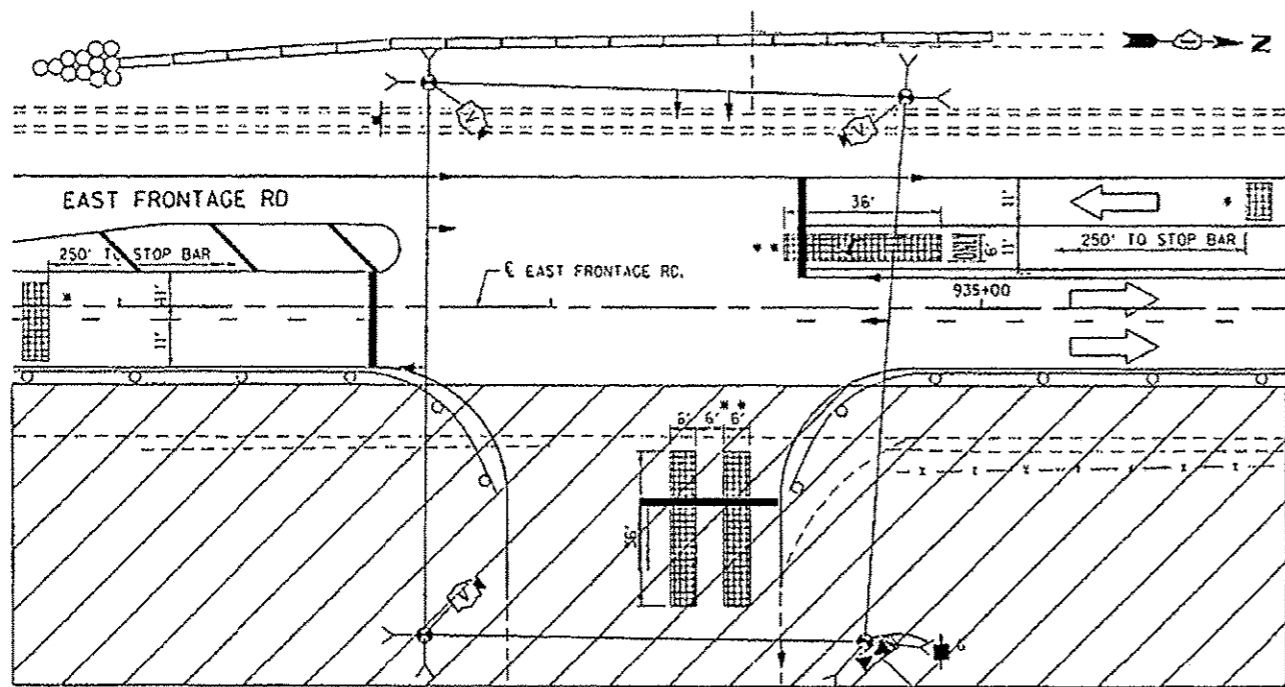
PERMANENT PAVEMENT MARKINGS SHALL BE CONSTRUCTED ACCORDING TO THE PAVEMENT MARKING PLANS ON SHEETS 66 TO 69 IN CONTRACT 60P51. AT NO TIME DOES THE CONTRACTOR HAVE THE AUTHORIZATION TO INSTALL PAVEMENT MARKINGS OUTSIDE OF THE RIGHT-OF-WAY AND TEMPORARY EASEMENTS.

DENOTES WORK INCLUDED IN THE COST OF OTHER ITEMS.

ADDED SHEET 5-27-14

TS*1

FILE NAME :	USER NAME : BillP	DESIGNED - LP	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES AND CONSTRUCTION NOTES EAST FRONTAGE RD AT EXXON MOBIL ENTRANCES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
S:\JUL\6300-0399\6345\045\Micro\CA00	Sheet\0129807-ahh\ts.dgn	DRAWN - LP	REVISED -			55	99-IAC-2	WILL	102	720	
Default	PLOT SCALE : 40.0000 ' / in.	CHECKED - JP	REVISED -			CONTRACT NO. 60P51					
	PLOT DATE : 5/27/2014	DATE - 05/21/2014	REVISED -			ILLINOIS FED. AID PROJECT					
					SCALE:	SHEET 1 OF 10 SHEETS		STA.	TO STA.		



CONSTRUCTION NOTES

* FAR-OUT DETECTION SHALL BE PROVIDED AT APPROX. 250' FROM THE STOP BAR OR AS DIRECTED BY THE ENGINEER.

** CLOSE UP VIDEO DETECTION ZONES SHALL BE PROGRAMMED IN THE FIELD BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. ZONE DIMENSIONS SHALL BE 36' BY 6', CENTERED ON LANES, OR AS DIRECTED BY THE ENGINEER.

THE TRAFFIC SIGNALS CONTRACTOR SHALL COORDINATE WITH THE ROADWAY CONTRACTOR TO ENSURE THE CORRECT STAGING OF THE TEMPORARY TRAFFIC SIGNALS.

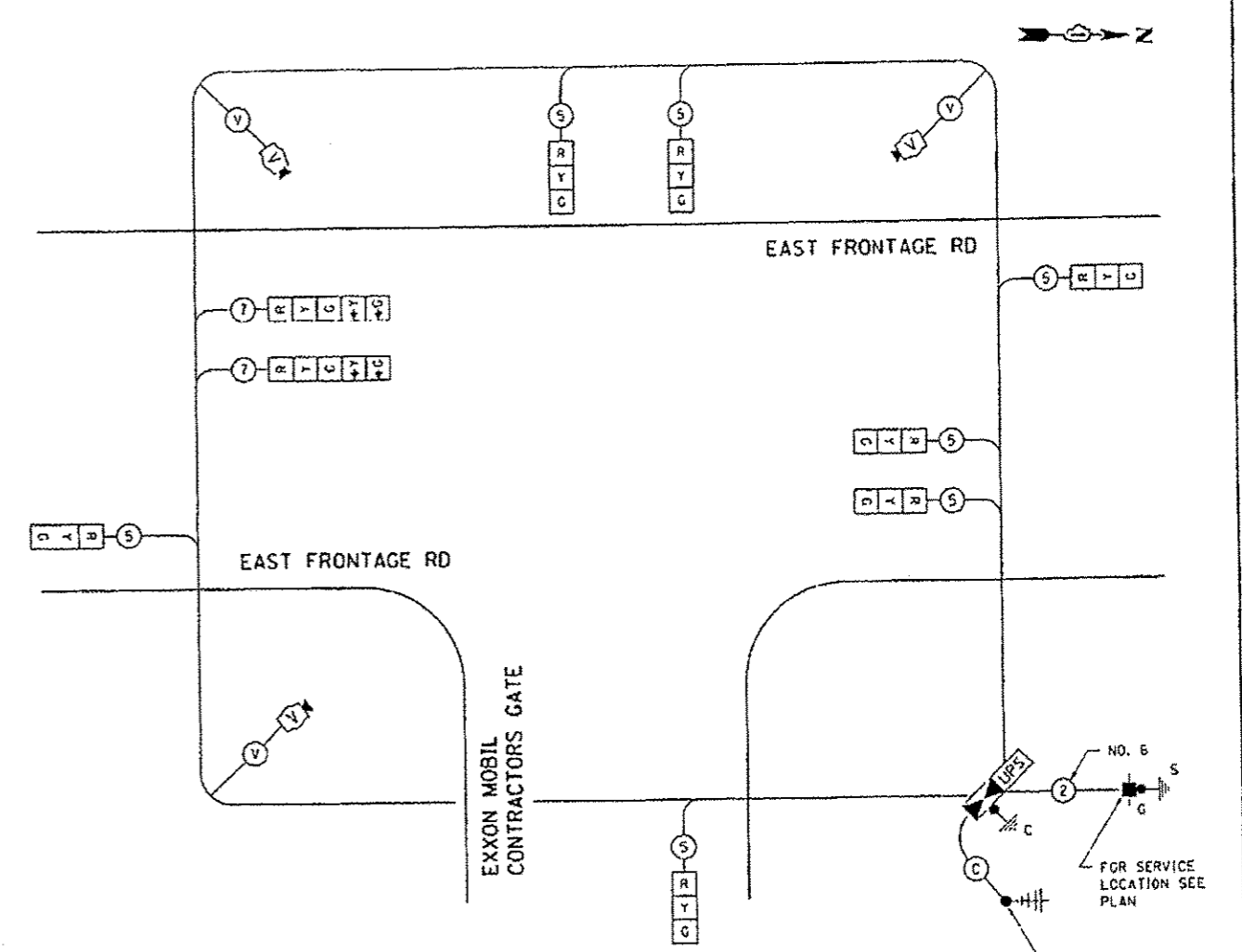
WOOD POLE LOCATIONS ARE AS SHOWN ON SHEET 4-TS*4

EXXON MOBIL
CONTRACTORS GATE
STAGE 1A CONTRACT# 60P51

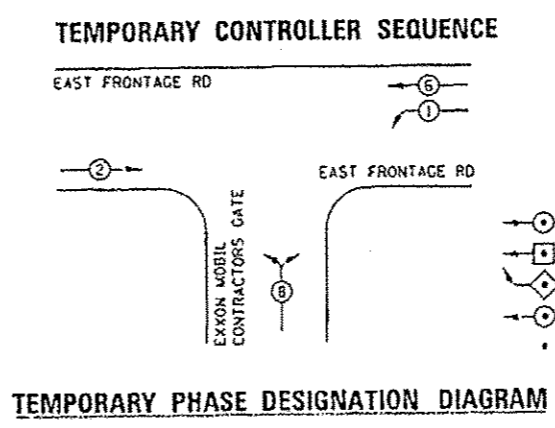
WIRELESS INTERCONNECT
TO EXXON MOBIL MAIN
GATE

A ADDED SHEET 5-27-14

FILE NAME #111111	USER NAME BUIP	DESIGNED - LP	REVISED - LP 12/04/2012	WILL COUNTY DEPARTMENT OF HIGHWAYS	TEMPORARY SPAN WIRE TRAFFIC SIGNAL INSTALLATION STAGE 1A (CONTRACT# 60P51) EAST FRONTAGE RD AT EXXON MOBIL CONTRACTORS GATE	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DESIGNED - LP	DRAWN - LP	CHECKED - PB / SN	REVISED - JM 09/20/2013			55	99-IAC-2	WILL	102	72b
DATE - 11/16/2012	REVISED - JM 10/02/2013	DATE - 05/21/2014	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY SPAN WIRE TRAFFIC SIGNAL INSTALLATION STAGE 1A EAST FRONTAGE RD AT EXXON MOBIL CONTRACTORS GATE	ILLINOIS FED. AID PROJECT		CONTRACT NO. 60P51		
SCALE: 1 SHEET OF 10 SHEETS	STA. TO STA.	SCALE: 1 SHEET OF 10 SHEETS	STA. TO STA.	SCALE: 1 SHEET OF 10 SHEETS		STA. TO STA.		CONTRACT NO. 60P51		



TEMPORARY SPAN WIRE CABLE PLAN
~~STAGE 4, 4D (CONTRACT# 60F12)~~
STAGE 1A (CONTRACT# 60P51)



TEMPORARY CONTROLLER SEQUENCE

LEGEND

- D DUAL ENTRY PHASE
- S SINGLE ENTRY PHASE
- OL OVERLAP
- P PEDESTRIAN PHASE
- NUMBER REFERS TO ASSOCIATED PHASE

A ADDED SHEET 5-27-14

NOTE:
 THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

FILE NAME: P15-014	USER NAME: BLIP	DESIGNED: LP	REVISED: LP 12/04/2012
		DRAWN: LP	REVISED: JW 07/20/2013
	PLOT SCALE: ANGLE	CHECKED: PB / SW	REVISED: JW 10/02/2013
	PLOT DATE: 5/27/2014	DATE: 11/16/2012	REVISED:

WILL COUNTY
DEPARTMENT OF HIGHWAYS

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM
 STAGE 1A (CONTRACT# 60P51)
 EAST FRONTAGE RD AT EXXON MOBIL CONTRACTORS GATE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SS	99-IAC-2	WILL	102	72c
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60P51	

FILE NAME: S:\JOL\6380-6399\6345\045\Microsoft	USER NAME: BLIP	DESIGNED: LP	REVISED:
	Sheet\DI28807-ent.dgn	DRAWN: LP	REVISED:
	PLOT SCALE: 48.0000 1/4 in.	CHECKED: IP	REVISED:
	PLOT DATE: 5/27/2014	DATE: 05/21/2014	REVISED:

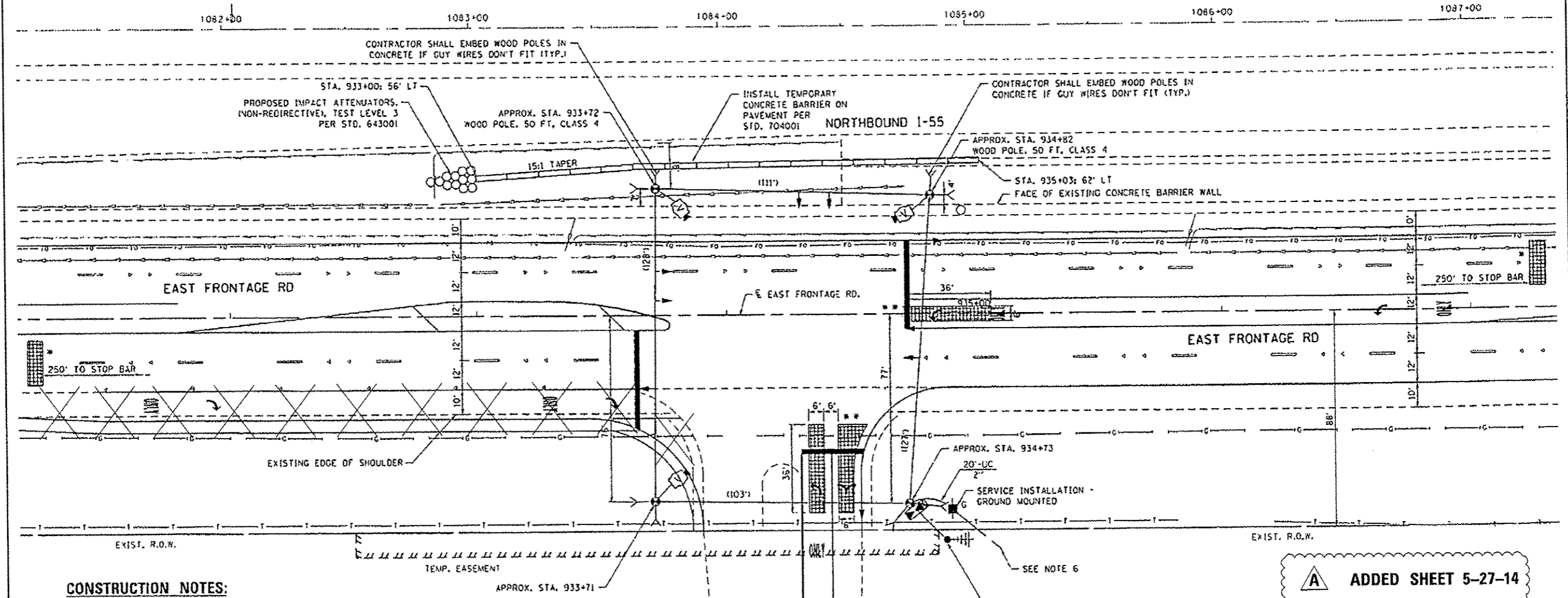
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM
 STAGE 1A
 EAST FRONTAGE RD AT EXXON MOBIL CONTRACTORS GATE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SS	99-IAC-2	WILL	102	72c
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60P51	



WILL COUNTY
 THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE
 OF THE IMPACT ATTENUATORS AND TEMPORARY CONCRETE BARRIER
 AS LONG AS THE WOOD POLES ARE IN PLACE.



CONSTRUCTION NOTES:

1. PROPOSED UNDERGROUND ELECTRIC SERVICE LINE INSTALLATION PROVIDED BY EXXONMOBIL.
2. VIDEO DETECTION ZONES SHALL BE PROGRAMMED IN THE FIELD BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. ZONE DIMENSIONS SHALL BE 36' BY 6', CENTERED ON LANES, OR AS DIRECTED BY THE ENGINEER.
3. THE CONTRACTOR SHALL PROVIDE (2) TWO TEMPORARY CHANGEABLE MESSAGE SIGNS, 500 FEET IN ADVANCE OF EACH PROPOSED SIGNAL ALONG THE EAST FRONTAGE RD TWO WEEKS PRIOR TO SIGNAL TURN ON.
4. THE TEMPORARY TRAFFIC SIGNAL HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. APPROX. (50) FIFTY FT OF EXTRA CABLE HAS BEEN PROVIDED FOR EACH SIGNAL HEAD IN ORDER TO RELOCATE THE HEAD TO ANY POSITION ON THE SPAN WIRE AS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING OR AS DIRECTED BY THE ENGINEER.
5. GUY WIRES OR CONCRETE AS REQUIRED FOR STABILIZING THE WOOD POLES SHALL BE PROVIDED AND THE COST INCLUDED IN THE ASSOCIATED WOOD POLE PAY ITEM.
6. ELECTRICITY WILL BE PROVIDED FROM A SOURCE WITHIN THE EXXONMOBIL SITE.

7. ALL TRAFFIC SIGNAL EQUIPMENT, IMPACT ATTENUATOR, AND TEMPORARY CONCRETE BARRIER SHOWN IN THIS SHEET HAS PREVIOUSLY BEEN INSTALLED. CONTRACT 60P51 DOES NOT INCLUDE ANY WORK ASSOCIATED WITH THE ATTENUATOR AND TEMPORARY CONCRETE BARRIER ON INTERSTATE 55.
- * FAR-OUT DETECTION SHALL BE PROVIDED AT APPROX. 250' FROM THE STOP BAR OR AS DIRECTED BY THE ENGINEER.
- ** CLOSE UP VIDEO DETECTION ZONES SHALL BE PROGRAMMED IN THE FIELD BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. ZONE DIMENSIONS SHALL BE 36' BY 6', CENTERED ON LANES, OR AS DIRECTED BY THE ENGINEER.

THE TRAFFIC SIGNALS CONTRACTOR SHALL COORDINATE WITH THE ROADWAY CONTRACTOR TO ENSURE THE CORRECT STAGING OF THE TEMPORARY TRAFFIC SIGNALS.

A ADDED SHEET 5-27-14

NOTE:
 THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

FILE NAME	USER NAME	DESIGNED	REVISED
MPLEL	B11P	LP	LP 12/04/2012
		DRAWN	REVISED
		LP	LP 01/28/2013
		CHECKED	REVISED
		PB / SW	JM 09/20/2013
		DATE	REVISED
		11/16/2012	JM 12/17/2013

**WILL COUNTY
 DEPARTMENT OF HIGHWAYS**

**TEMPORARY SPAN WIRE TRAFFIC SIGNAL INSTALLATION
 EAST FRONTAGE RD AT EXXON MOBIL CONTRACTORS GATE**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-1AC-2	WILL	102	72d
CONTRACT NO.				60P51
ILLINOIS FED. AID PROJECT				

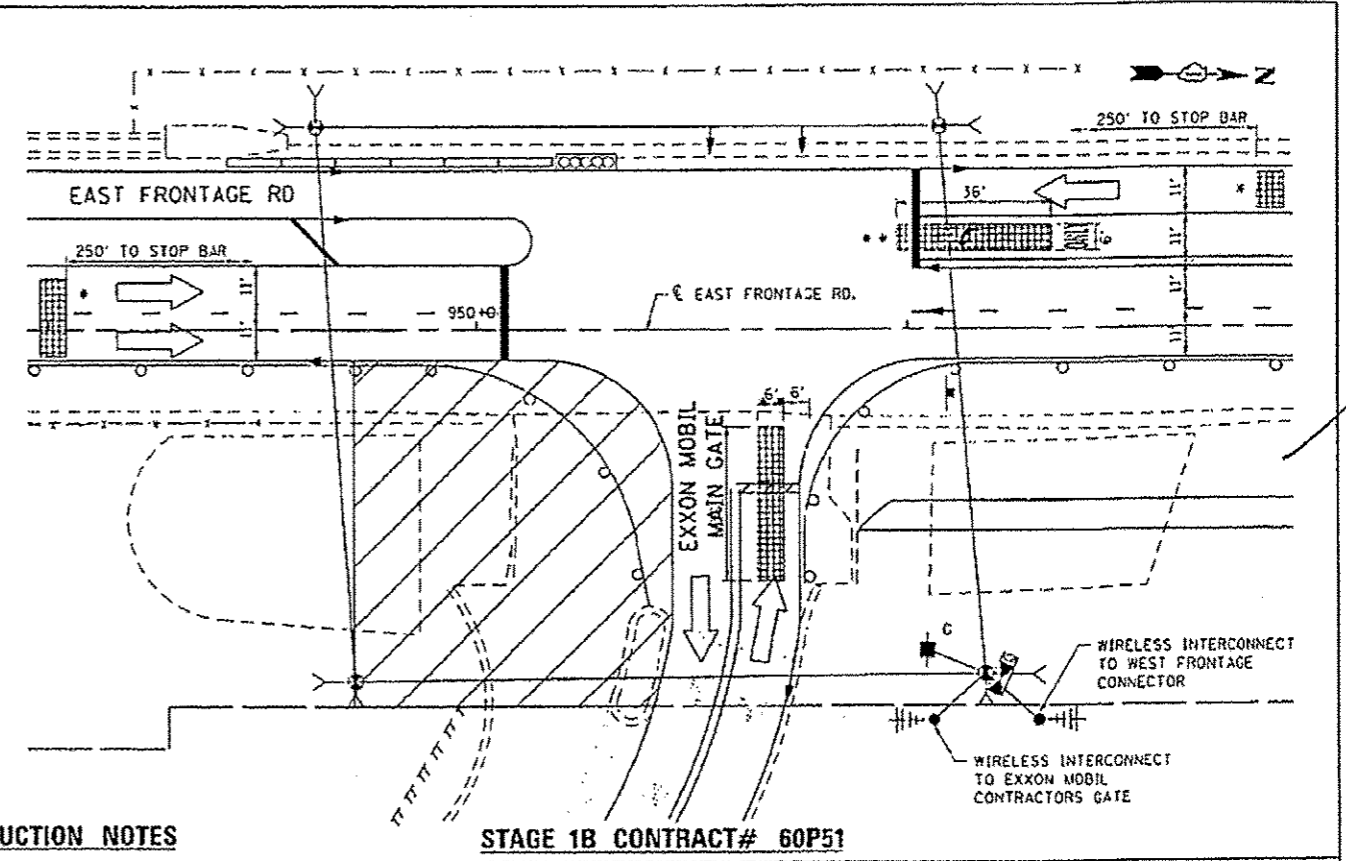
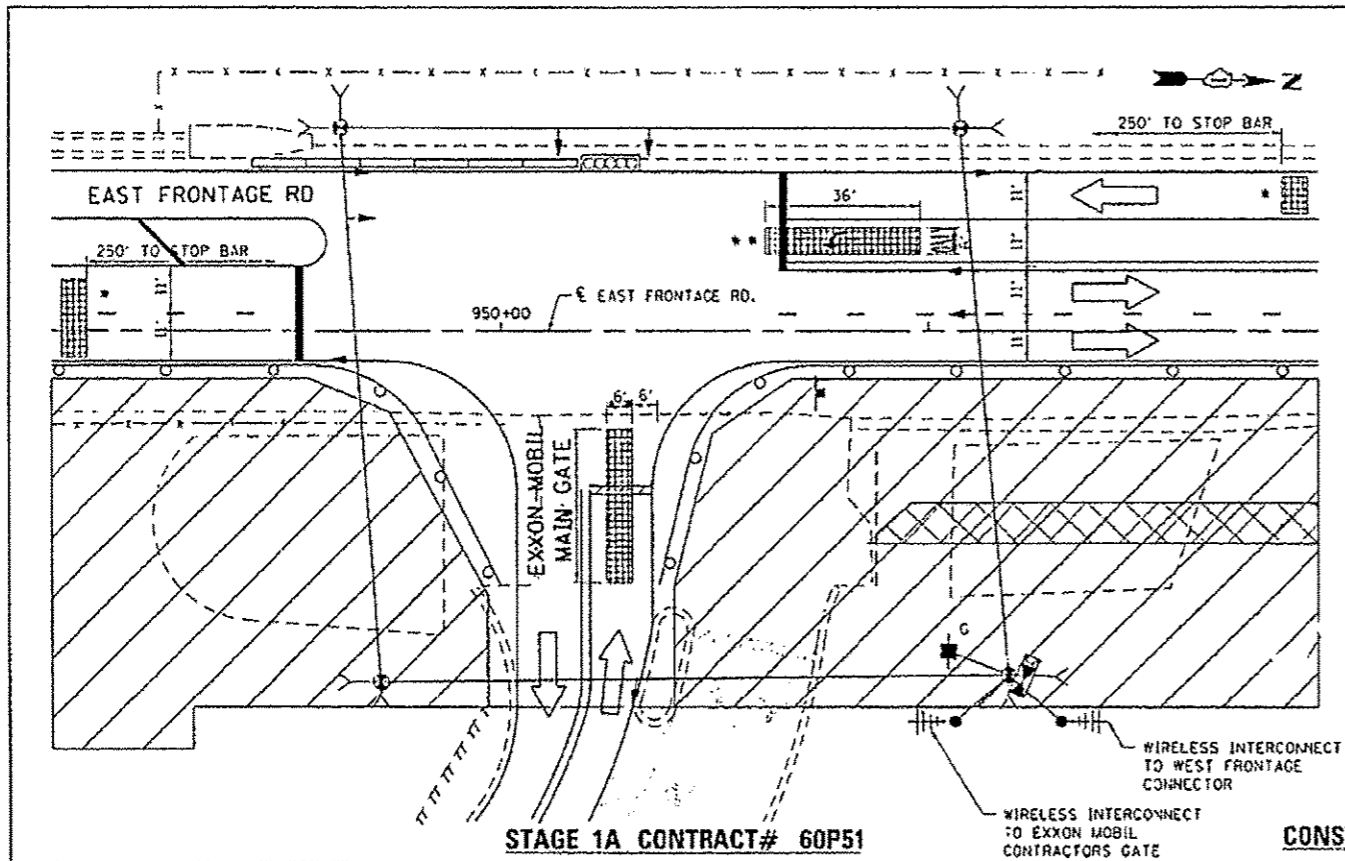
FILE NAME	USER NAME	DESIGNED	REVISED
S:\JUL16200--639\F34045\Microsoft	B11P	LP	LP 12/04/2012
		DRAWN	REVISED
		LP	LP 01/28/2013
		CHECKED	REVISED
		IP	JM 09/20/2013
		DATE	REVISED
		05/21/2014	JM 12/17/2013

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY SPAN WIRE TRAFFIC SIGNAL INSTALLATION
 EAST FRONTAGE RD AT EXXON MOBIL CONTRACTORS GATE**

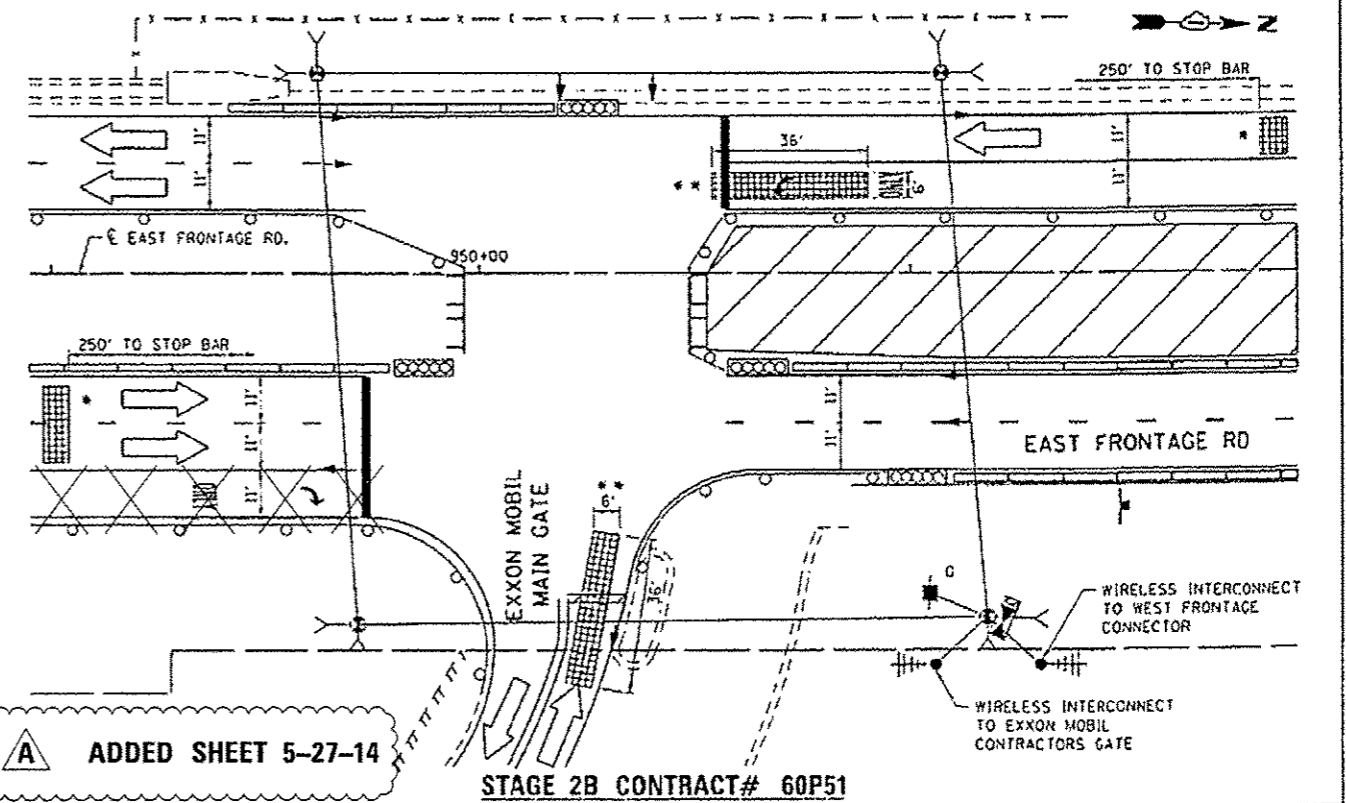
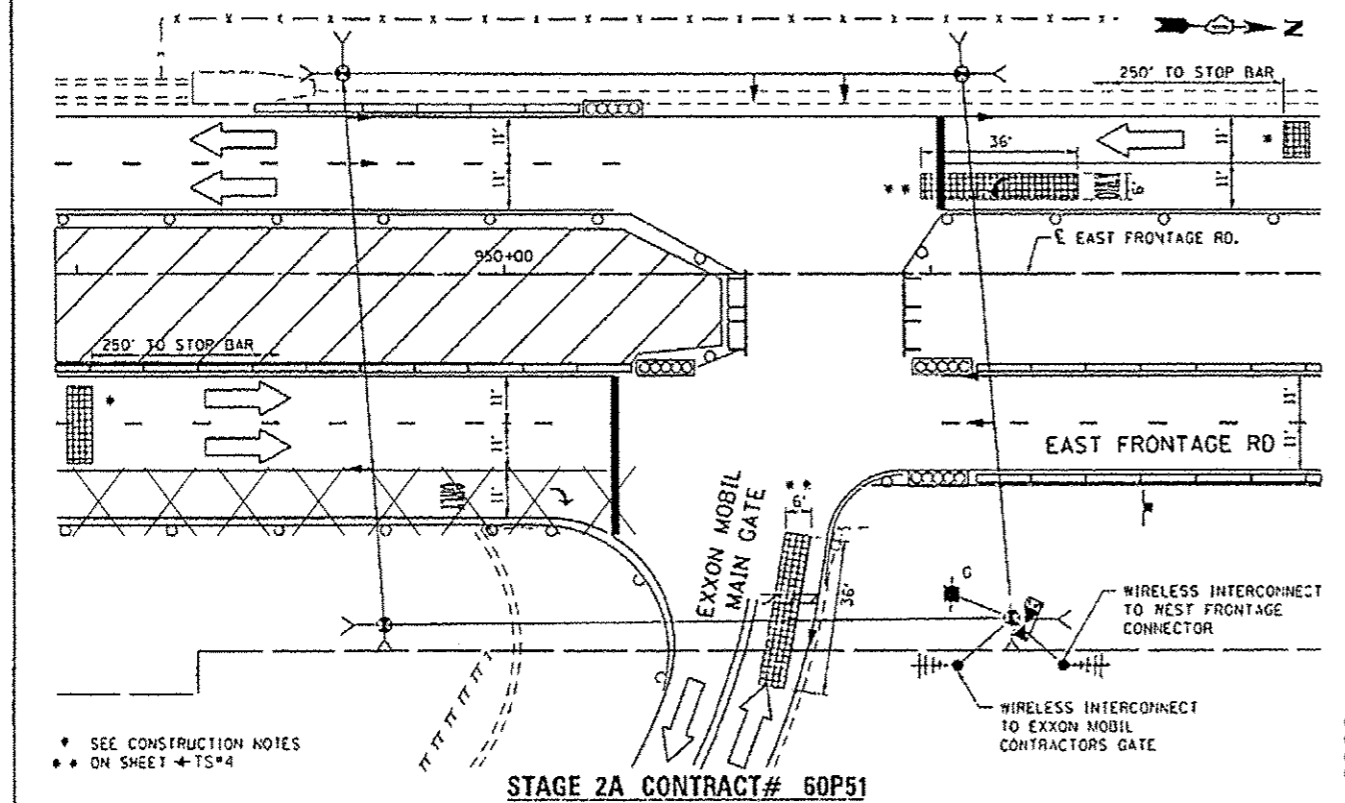
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-1AC-2	WILL	102	72d
CONTRACT NO.				60P51
ILLINOIS FED. AID PROJECT				

TS=4



CONSTRUCTION NOTES

* FAR-OUT DETECTION SHALL BE PROVIDED AT APPROX. 250' FROM THE STOP BAR OR AS DIRECTED BY THE ENGINEER.



A ADDED SHEET 5-27-14

FILE NAME	USER NAME = B126K4	DESIGNED - LP	REVISED - LP 12/04/2012
FILE #		DRAWN - LP	REVISED - JU 09/20/2013
MODEL NAME	PLOT SCALE = 1/8"=1'-0"	CHECKED - PB / SW	REVISED - JU 10/02/2013
	PLOT DATE = 02/16/14	DATE - 11/16/2012	REVISED -

**WILL COUNTY
DEPARTMENT OF HIGHWAYS**

**TEMPORARY SPAN WIRE TRAFFIC SIGNAL INSTALLATION
STAGE 1A, 1B, 2A AND 2B (CONTRACT# 60P51)
EAST FRONTAGE RD AT EXXON MOBIL MAIN GATE**

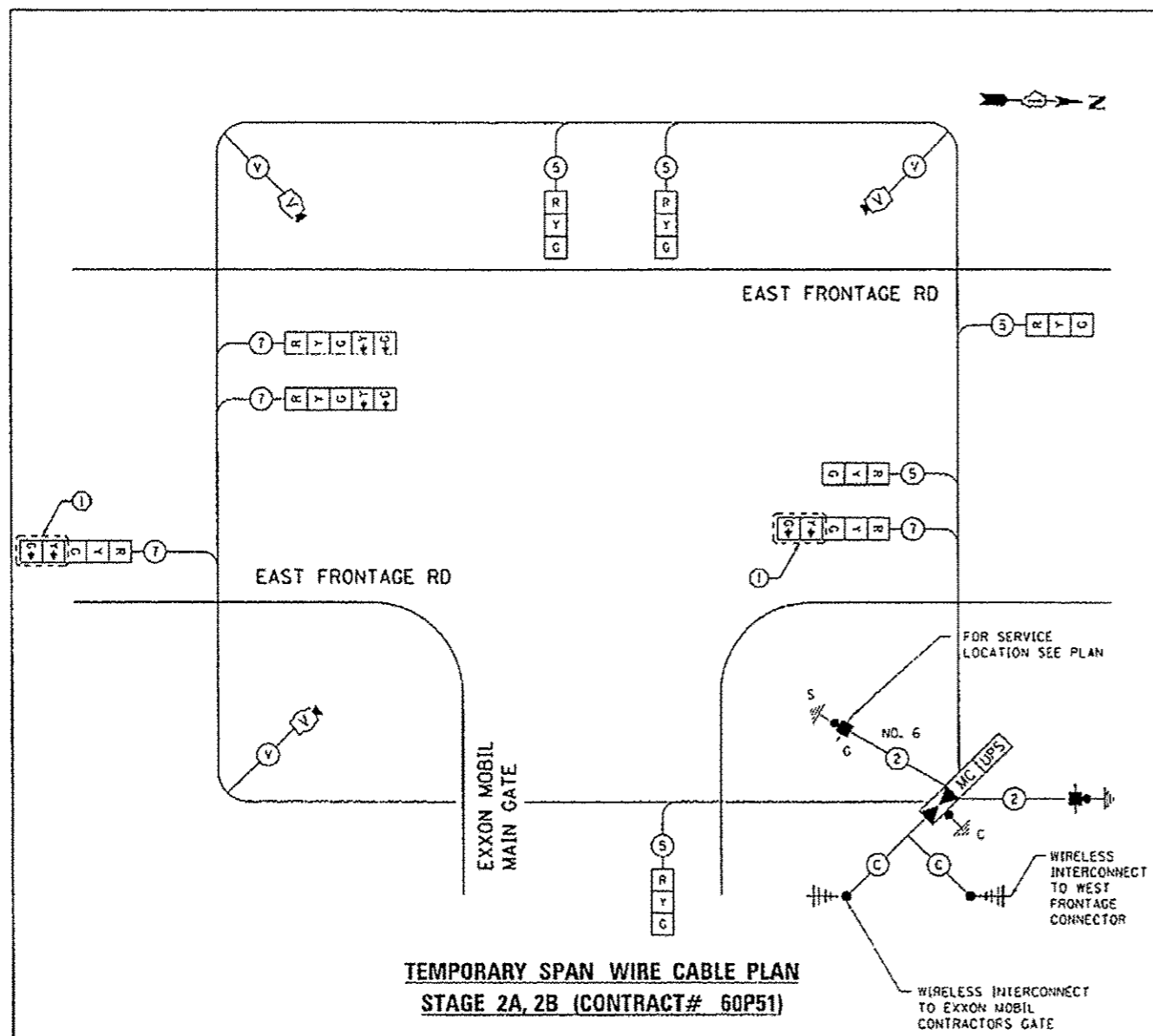
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	721
CONTRACT NO. 60P51				
ILLINOIS FED. AID PROJECT				

FILE NAME	USER NAME = B12IP	DESIGNED - LP	REVISED -
S:\JDL\6300-0399\6340\45\micr\605\CA00	Sheets\0120007-sh1-ts.dgn	DRAWN - LP	REVISED -
Default	PLOT SCALE = 1/8"=1'-0"	CHECKED - IP	REVISED -
	PLOT DATE = 5/27/2014	DATE - 05/21/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

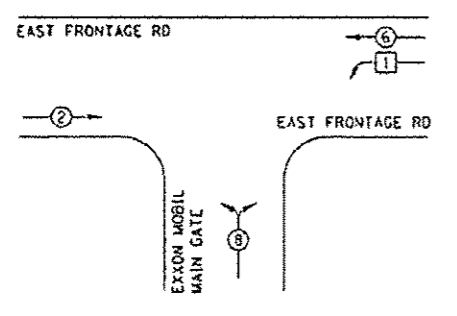
**TEMPORARY SPAN WIRE TRAFFIC SIGNAL INSTALLATION
STAGE 1A, 1B, 2A AND 2B
EAST FRONTAGE RD AT EXXON MOBIL MAIN GATE**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	721
CONTRACT NO. 60P51				
ILLINOIS FED. AID PROJECT				



TEMPORARY SPAN WIRE CABLE PLAN
STAGE 2A, 2B (CONTRACT# 60P51)

TEMPORARY CONTROLLER SEQUENCE

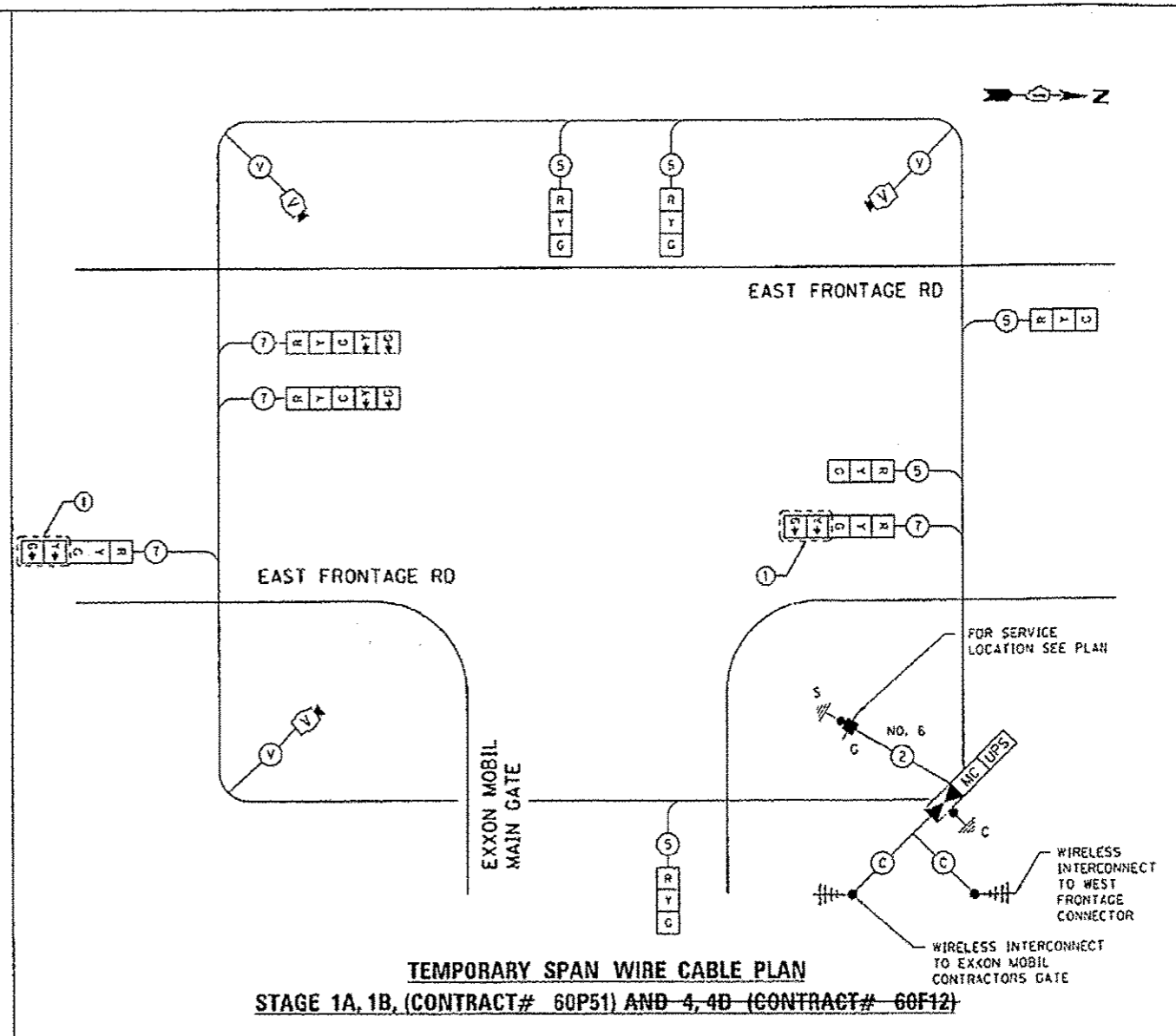


TEMPORARY PHASE DESIGNATION DIAGRAM

- LEGEND**
- DUAL ENTRY PHASE
 - SINGLE ENTRY PHASE
 - ◇ OVERLAP
 - PEDESTRAIN PHASE
 - NUMBER REFERS TO ASSOCIATED PHASE

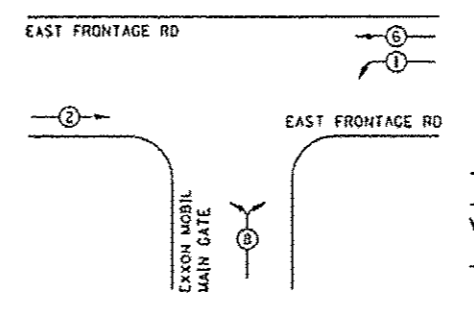
CONSTRUCTION NOTES

- ① CONTRACTOR SHALL BAG AND DISCONNECT RIGHT TURN OVERLAP SIGNAL INDICATION UNTIL THE CONSTRUCTION IS OVER AND FINAL STAGE IS IN OPERATION.



TEMPORARY SPAN WIRE CABLE PLAN
STAGE 1A, 1B, (CONTRACT# 60P51) AND 4A, 4B (CONTRACT# 60F12)

TEMPORARY CONTROLLER SEQUENCE



TEMPORARY PHASE DESIGNATION DIAGRAM

- LEGEND**
- DUAL ENTRY PHASE
 - SINGLE ENTRY PHASE
 - ◇ OVERLAP
 - PEDESTRAIN PHASE
 - NUMBER REFERS TO ASSOCIATED PHASE

CONSTRUCTION NOTES

- ① CONTRACTOR SHALL BAG AND DISCONNECT RIGHT TURN OVERLAP SIGNAL INDICATION.

A **ADDED SHEET 5-27-14**

NOTE: THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE 'EAGLE' TO MATCH THE EXISTING ADJACENT SYSTEM.

FILE NAME: 1711614	USER NAME: BJJIP	DESIGNED - LP	REVISED - LP 12/04/2012
		DRAWN - LP	REVISED - JW 09/20/2013
		CHECKED - PB / SW	REVISED - JW 10/02/2013
		DATE - 11/16/2012	REVISED -

WILL COUNTY
DEPARTMENT OF HIGHWAYS

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM			
STAGE 4A, 4B (CONTRACT# 60F12) AND 1A, 1B, 2A, 2B (CONTRACT# 60P51)			
EAST FRONTAGE RD AT EXXON MOBIL MAIN GATE			
SCALE: 1"=50'	SHEET 07	SHEETS 12	STA. TO STA.

F.A.I. RTEL.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	72g
CONTRACT NO.				60P51

TS#7

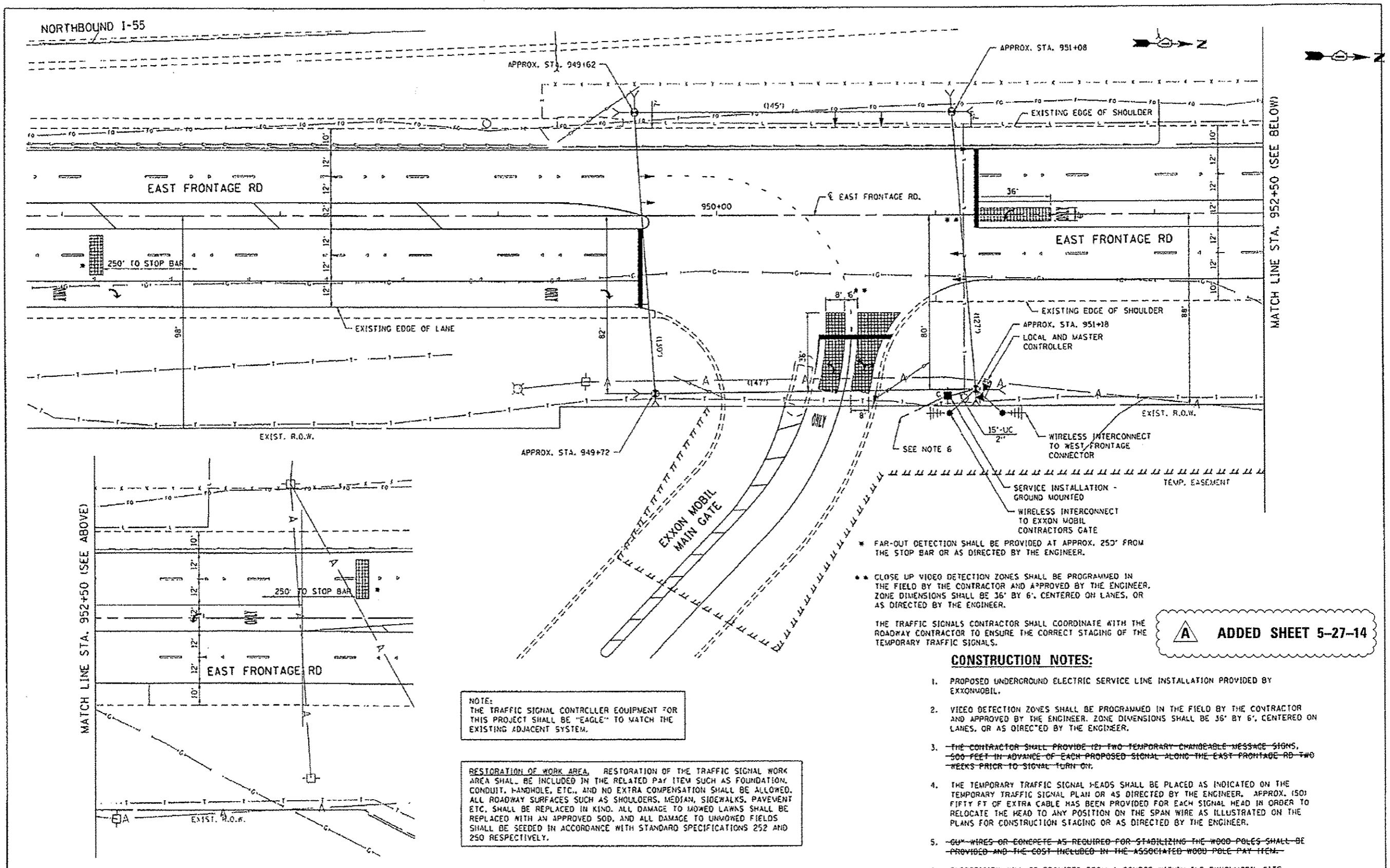
FILE NAME: S:\JDL\6300--0399\6346\045\Micro\CA00	USER NAME: BJJIP	DESIGNED - LP	REVISED -
		DRAWN - LP	REVISED -
		CHECKED - IP	REVISED -
		DATE - 05/21/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM			
STAGE 1A, 1B, 2A AND 2B			
EAST FRONTAGE RD AT EXXON MOBIL MAIN GATE			
SCALE:	SHEET 07	SHEETS 12	STA. TO STA.

F.A.I. RTEL.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	72g
CONTRACT NO.				60P51

[ILLINOIS] FED. AID PROJECT



- * FAR-OUT DETECTION SHALL BE PROVIDED AT APPROX. 250' FROM THE STOP BAR OR AS DIRECTED BY THE ENGINEER.
 - ** CLOSE UP VIDEO DETECTION ZONES SHALL BE PROGRAMMED IN THE FIELD BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. ZONE DIMENSIONS SHALL BE 36' BY 6', CENTERED ON LANES, OR AS DIRECTED BY THE ENGINEER.
- THE TRAFFIC SIGNALS CONTRACTOR SHALL COORDINATE WITH THE ROADWAY CONTRACTOR TO ENSURE THE CORRECT STAGING OF THE TEMPORARY TRAFFIC SIGNALS.

A ADDED SHEET 5-27-14

CONSTRUCTION NOTES:

1. PROPOSED UNDERGROUND ELECTRIC SERVICE LINE INSTALLATION PROVIDED BY EXXONMOBIL.
2. VIDEO DETECTION ZONES SHALL BE PROGRAMMED IN THE FIELD BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. ZONE DIMENSIONS SHALL BE 36' BY 6', CENTERED ON LANES, OR AS DIRECTED BY THE ENGINEER.
3. THE CONTRACTOR SHALL PROVIDE (2) TWO TEMPORARY CHANGEABLE MESSAGE SIGNS, 500 FEET IN ADVANCE OF EACH PROPOSED SIGNAL ALONG THE EAST FRONTAGE RD TWO WEEKS PRIOR TO SIGNAL TURN ON.
4. THE TEMPORARY TRAFFIC SIGNAL HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. APPROX. 150' FIFTY FT OF EXTRA CABLE HAS BEEN PROVIDED FOR EACH SIGNAL HEAD IN ORDER TO RELOCATE THE HEAD TO ANY POSITION ON THE SPAN WIRE AS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING OR AS DIRECTED BY THE ENGINEER.
5. GU WIRES OR CONCRETE AS REQUIRED FOR STABILIZING THE WOOD POLES SHALL BE PROVIDED AND THE COST INCLUDED IN THE ASSOCIATED WOOD POLE PAY ITEM.
6. ELECTRICITY WILL BE PROVIDED FROM A SOURCE WITHIN THE EXXONMOBIL SITE.

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

FILE NAME: 11/16/2012	USER NAME: RL2102	DESIGNED - LP	REVISED - LP 12/04/2012
11/16/2012		DRAWN - LP	REVISED - LP 01/28/2013
		CHECKED - PB / SN	REVISED - JW 09/20/2013
		DATE - 11/16/2012	REVISED - JW 10/02/2013

**WILL COUNTY
DEPARTMENT OF HIGHWAYS**

TEMPORARY SPAN WIRE TRAFFIC SIGNAL INSTALLATION EAST FRONTAGE RD AT EXXON MOBIL MAIN GATE		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE:	SHEET OF SHEETS	STA. TO STA.	55	99-1AC-2	WILL	102 72n
CONTRACT NO.						ILLINOIS FED. AID PROJECT

FILE NAME: 05/27/2014	USER NAME: B111P	DESIGNED - LP	REVISED -
05/27/2014		DRAWN - LP	REVISED -
		CHECKED - JP	REVISED -
		DATE - 05/27/2014	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TEMPORARY SPAN WIRE TRAFFIC SIGNAL INSTALLATION EAST FRONTAGE RD AT EXXON MOBIL MAIN GATE		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE:	SHEET OF SHEETS	STA. TO STA.	55	99-1AC-2	WILL	102 72n
CONTRACT NO. 60P51						ILLINOIS FED. AID PROJECT

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
CHANGEABLE MESSAGE SIGN	CAL NO	1
SIGN PANEL - TYPE 2	50 FT	39.5
SERVICE INSTALLATION - GROUND MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	15
SPAN WIRE	FOOT	549
TETHER WIRE	FOOT	549
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	39
ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 5C	FOOT	946
ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 TC	FOOT	1,034
CONCRETE FOUNDATION, TYPE A	FOOT	4
TEMPORARY VIDEO DETECTION	EACH	1
WOOD POLE, 45 FT, CLASS 5	EACH	4
FULL-ACTUATED CONTROLLER AND TYPE V CABINET, SPECIAL	EACH	1
MASTER CONTROLLER (SPECIAL)	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, SPAN WIRE MOUNTED	EACH	5
SIGNAL HEAD, LED, 1-FACE 5-SECTION, SPAN WIRE MOUNTED	EACH	4
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

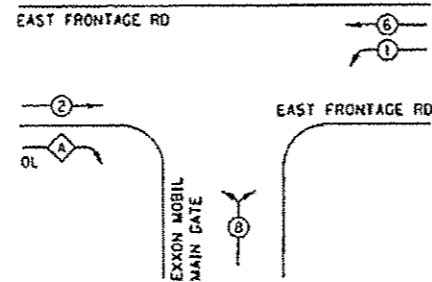
CONSTRUCTION NOTES

- ① CONTRACTOR SHALL BAG AND DISCONNECT RIGHT TURN OVERLAP SIGNAL INDICATION UNTIL CONSTRUCTION OF CONTRACT 60P51 IS COMPLETE AND THE FINAL LANE CONFIGURATIONS ARE OPERATIONAL.

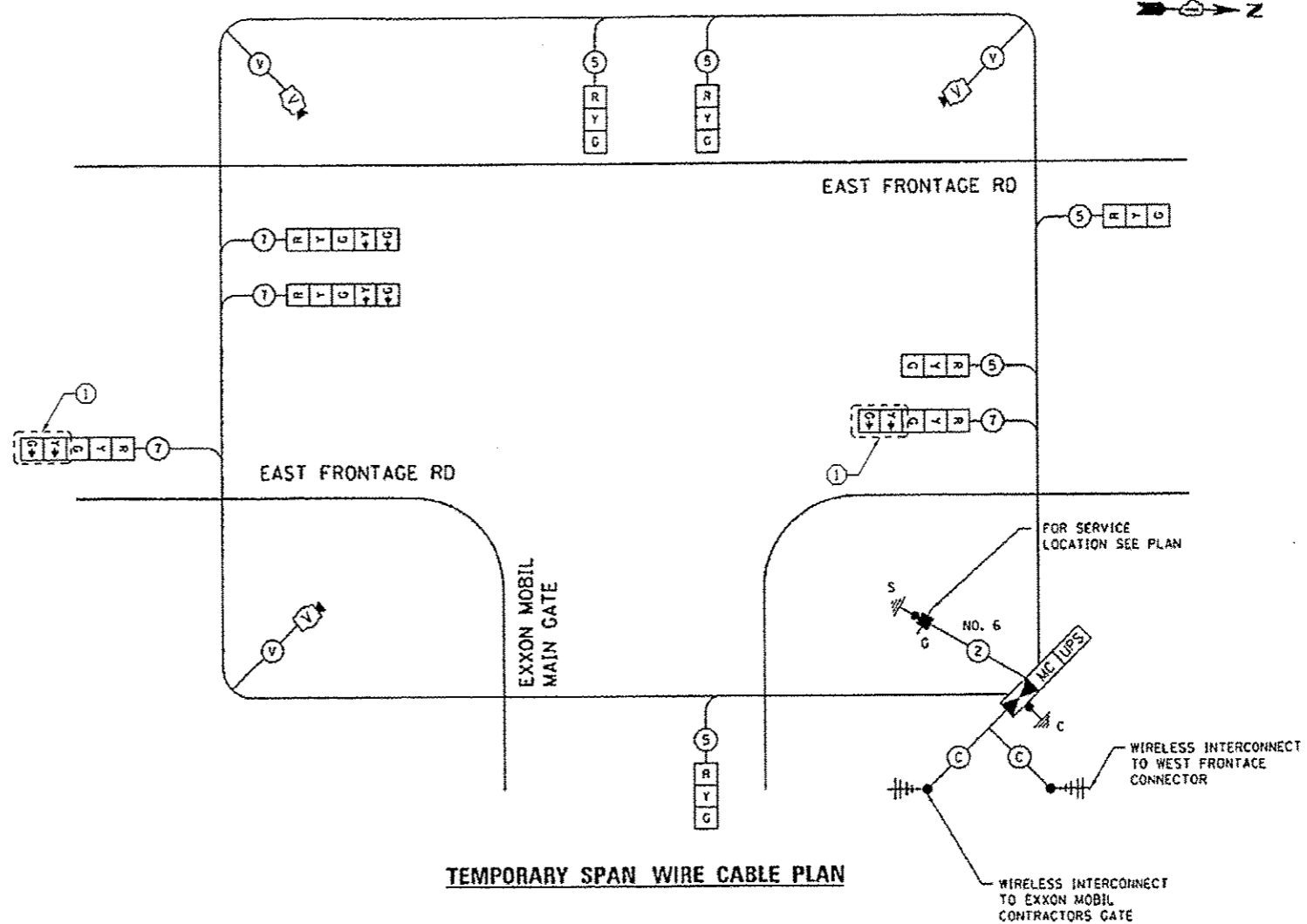
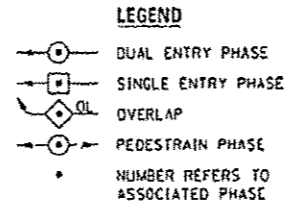
I.O.O.Y. TEMPORARY TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE	
TYPE	NO. OF LAMPS	WATTAGE (INCAND.)	LED	% OPERATION	
SIGNAL (RED)	9		17	0.50	76.50
(YELLOW)	9		25	0.25	56.25
(GREEN)	9		15	0.25	33.75
ARROW	8		12	0.10	9.60
PED. SIGNAL	-		25	1.00	-
CONTROLLER	1		100	1.00	100.00
ILLUM. SIGN	-		25	0.05	-
VIDEO SYSTEM	1		150	1.00	150.00
UPS	1		25	1.00	25.00
FLASHER				0.50	
ENERGY COSTS TO:				TOTAL =	451.10

WILL COUNTY DEPARTMENT OF HIGHWAYS
16841 LARAMAY ROAD
JOLIET, IL 60433
ENERGY SUPPLY CONTACT: MS. BETTY DRULO
PHONE: (815) 724-5052
COMPANY: COVED

TEMPORARY CONTROLLER SEQUENCE



TEMPORARY PHASE DESIGNATION DIAGRAM



TEMPORARY SPAN WIRE CABLE PLAN

A ADDED SHEET 5-27-14

NOTE: THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

FILE NAME	USER NAME	DESIGNED	REVISED
FILE CL	PLT SCALE	CHECKED	REVISED
PHODLNAME	PLOT DATE	DATE	REVISED

WILL COUNTY DEPARTMENT OF HIGHWAYS

SCHEDULE OF QUANTITIES, TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM EAST FRONTAGE RD AT EXXON MOBIL MAIN GATE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		WILL	18	10

FILE NAME	USER NAME	DESIGNED	REVISED
Default	PLT SCALE	CHECKED	REVISED
	PLOT DATE	DATE	REVISED

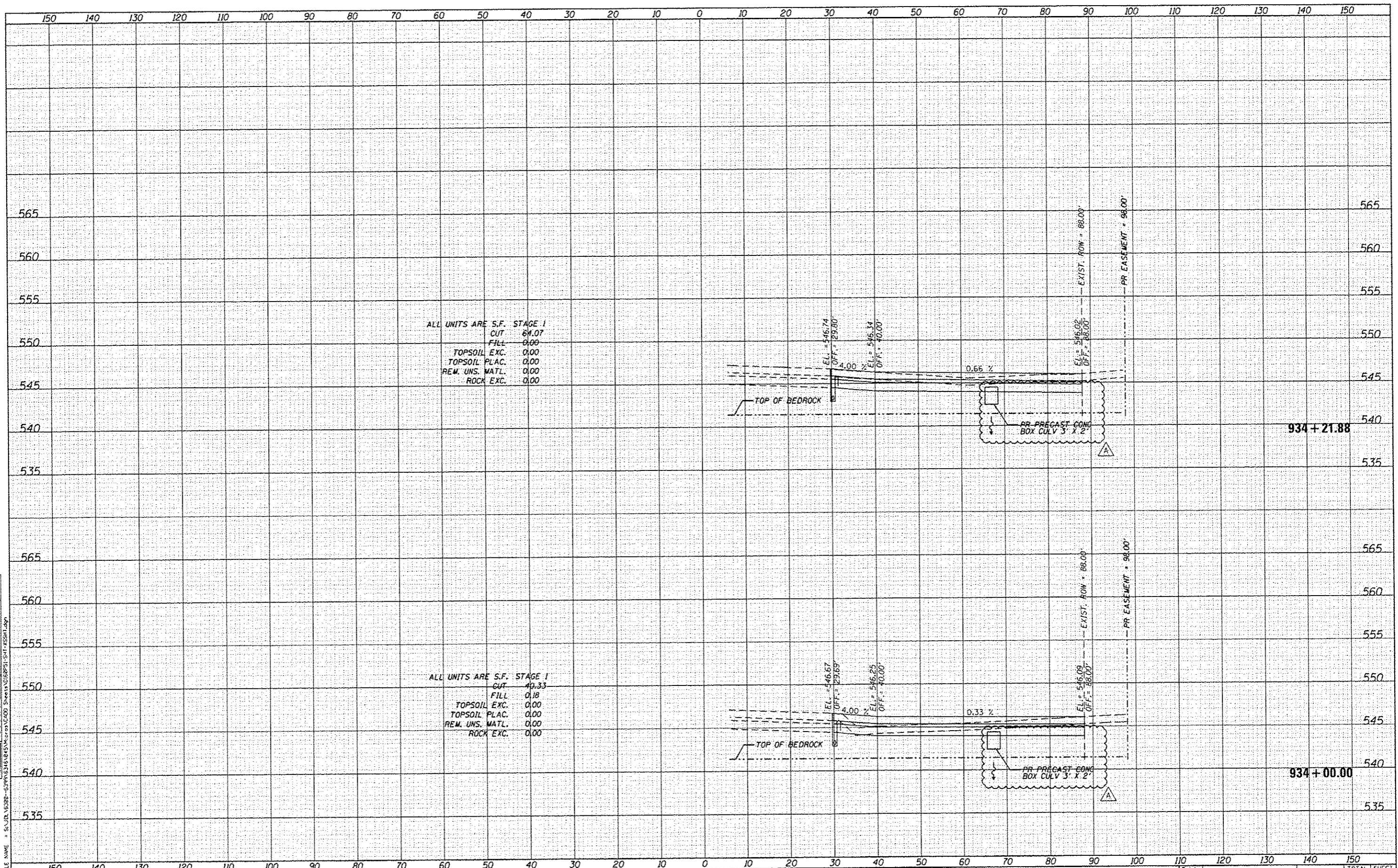
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM EAST FRONTAGE RD AT EXXON MOBIL MAIN GATE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-IAC-2	WILL	102	72

DATE	
BY	
FINAL SURVEY	
PROFITED	
TEMPLATE	
NOTE BOOK	
AREAS	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
PROFITED	
TEMPLATE	
NOTE BOOK	
AREAS	
AREAS CHECKED	



STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = BJJIP	DESIGNED - MAG	REVISED - A 5/27/14
MODEL NAME = Default	DRAWN - JKP/DJW	REVISED -
PLOT SCALE = 20.0000' / 1"	CHECKED - BMA	REVISED -
PLOT DATE = 5/27/2014	DATE - 12-5-12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARSENAL ROAD CROSS SECTIONS
SCALE: 1" = 10' H 1" = 5' V SHEET 9 OF 20 SHEETS STA. 934+00.00 TO STA. 934+21.88

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	99-1AC-2	WILL	102	91
CONTRACT NO. 60P51			ILLINOIS FED. AID PROJECT	