

3/22/2024

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	CAD FILE NAME		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO.	GRADES CHECKED		
	STRUCTURE NOTATIONS CHKD		

S:\Engineering\Projects\East Peoria\20220101 Comp St. & Riverside Dr Intersec Ph2 Design\400 CAD\403 Plans\SOQ.dwg

SUMMARY OF QUANTITIES				
SPECIALTY ITEM	PAY CODE	PAY ITEM	UNIT	TOTAL QUANTITY
*	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	72
*	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	68
	20200100	EARTH EXCAVATION	CU YD	980
	20400800	FURNISHED EXCAVATION	CU YD	700
	20800150	TRENCH BACKFILL	CU YD	19
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	896
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	910
	25000210	SEEDING, CLASS 2A	ACRE	0.75
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	54
	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	54
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	54
	25100115	MULCH, METHOD 2	ACRE	1.50
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	179
	28000400	PERIMETER EROSION BARRIER	FOOT	163



**MW**  
Midwest Engineering  
Associates, Inc.

140 E. Washington Street  
East Peoria, Illinois 61611  
309.689.8085

USER NAME = FURQUAN UL HAQ	DESIGNED - CSA	REVISED - 2/24/2025
PROJECT # = 20220101	DRAWN - FUH	REVISED -
PLOT SCALE = 1:2	CHECKED - RDC	REVISED -
PLOT DATE = 2/24/2025 1:25 PM	DATE - 3/21/2024	REVISED -

CITY OF EAST PEORIA

**SUMMARY OF QUANTITIES  
CAMP ST. AND RIVERSIDE DR.**

SCALE: N.T.S SHEET 1 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	19-00171-00-RP	TAZEWELL	113	4
FED. PROJECT NO.		CONTRACT NO. 89818		
ILLINOIS FED. AID PROJECT				

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SUMMARY OF QUANTITIES				
SPECIALTY ITEM	PAY CODE	PAY ITEM	UNIT	TOTAL QUANTITY
	28000500	INLET AND PIPE PROTECTION	EACH	2
	28000510	INLET FILTERS	EACH	16
	31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	1,030
	35101500	AGGREGATE BASE COURSE, TYPE B	CU YD	790
	35102200	AGGREGATE BASE COURSE, TYPE B 10"	SQ YD	896
	35300300	PORTLAND CEMENT CONCRETE BASE COURSE 8"	SQ YD	126
	40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	90
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	83
	40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	116
	42000301	PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED)	SQ YD	10,211
	42001300	PROTECTIVE COAT	SQ YD	11,558
	42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	50
	42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	8,495
	42400800	DETECTABLE WARNINGS	SQ FT	106

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CITY OF EAST PEORIA

SUMMARY OF QUANTITIES  
CAMP ST. AND RIVERSIDE DR.

SCALE: N.T.S SHEET 2 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	19-00171-00-RP	TAZEWELL	113	5
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ILLINOIS FED. AID PROJECT				

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SUMMARY OF QUANTITIES				
SPECIALTY ITEM	PAY CODE	PAY ITEM	UNIT	TOTAL QUANTITY
	44000100	PAVEMENT REMOVAL	SQ YD	9,430
	44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	1,028
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1,394
	44004250	PAVED SHOULDER REMOVAL	SQ YD	127
	48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	40
	52200800	SEGMENTAL CONCRETE BLOCK WALL	SQ FT	118
	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	3
	54248510	CONCRETE COLLAR	CU YD	1
	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	140
	55100500	STORM SEWER REMOVAL 12"	FOOT	79
*	56109210	WATER VALVES TO BE ADJUSTED	EACH	4
*	56400400	FIRE HYDRANTS TO BE RELOCATED	EACH	1
	60260100	INLETS TO BE ADJUSTED	EACH	3
	60500060	REMOVING INLETS	EACH	1

1



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CITY OF EAST PEORIA

SUMMARY OF QUANTITIES  
CAMP ST. AND RIVERSIDE DR.

SCALE: N.T.S SHEET 3 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	19-00171-00-RP	TAZEWELL	113	6
FED. PROJECT NO.		CONTRACT NO. 89818		
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SUMMARY OF QUANTITIES				
SPECIALTY ITEM	PAY CODE	PAY ITEM	UNIT	TOTAL QUANTITY
*	88200510	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	15
*	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
*	89502378	REBUILD EXISTING HANDHOLE TO HEAVY-DUTY HANDHOLE	EACH	1
*	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	2
	X4240420	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH, SPECIAL	SQ FT	491
	X4402020	CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	2,866
	X5010523	REMOVE CONCRETE END SECTION	EACH	3
	X6020082	INLETS, TYPE G-1	EACH	2
	X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	1
	X6061902	CONCRETE MEDIAN, TYPE SM (SPECIAL)	SQ FT	219
	X6640300	CHAIN LINK FENCE REMOVAL	FOOT	82
	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
*	X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
*	X8710304	FIBER OPTIC CABLE SPLICE LATERAL	EACH	1
*	X8710073	FIBER OPTIC SPLICE	L SUM	1

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IL Design Firm Reg. No.  
184-005896

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CITY OF EAST PEORIA

SUMMARY OF QUANTITIES  
CAMP ST. AND RIVERSIDE DR.

SCALE: N.T.S SHEET 8 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	19-00171-00-RP	TAZEWELL	113	11
FED. PROJECT NO.		CONTRACT NO. 89818		
ILLINOIS FED. AID PROJECT				

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EARTHWORK SCHEDULE			EARTH EXCAVATION			EMBANKMENT	BALANCE (- SHORTAGE / + WASTE) 1	FURNISHED EXCAVATION	TOPSOIL FURNISH AND PLACE, 4"	NON-SPECIAL WASTE DISPOSAL 4
			UNRESTRICTED SOILS	669.05(a)(2) SOILS 2	669.05(a)(3) SOILS 3					
LOCATION			CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	SQ YD	CU YD
CAMP ST.										
STA. 24+26	TO	STA. 28+00								
STA. 28+00	TO	STA. 33+00		156.0	203.0	179.0	135.3		354.0	71.0
STA. 33+00	TO	STA. 38+50			122.0		122.0		25.0	
STA 38+50	TO	STA. 44+38			3.0		3.0			
RIVERSIDE DR.										
STA. 10+55.24		STA. 15+00			317.0	546.0	-365.5	365.0	287.0	38.0
STA. 15+00	TO	STA. 18+60.51	50.0		129.0	409.0	-332.3	335.0	244.0	
SUBTOTAL			50.0	156.0	774.0	1,134.0	-437.5	700.0	910.0	109.0
TOTAL				980				700	910	110

- NOTES:
- EARTHWORK BALANCE WAS CALCULATED WITH A 25% SHRINKAGE FACTOR
  - SITE REUSE OR ELIGIBLE FOR CCDD DISPOSAL WITHIN MSA COUNTY.
  - SITE REUSE OR ELIGIBLE FOR CCDD DISPOSAL WITHIN MSA COUNTY, EXCLUDING CHICAGO.
  - 669.05(a)(5) SOILS - CANNOT BE SITE REUSE, DISPOSE OF AS NON-SPECIAL WASTE.

LANDSCAPING SCHEDULE			HORIZONTAL SURFACE AREA	SEEDING, CLASS 2A	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	MULCH, METHOD 2	EROSION CONTROL SCHEDULE	MULCH, METHOD 2	TEMPORARY EROSION CONTROL SEEDING	PERIMETER EROSION BARRIER	INLET AND PIPE PROTECTION	INLET FILTERS		
LOCATION			SQ FT	ACRE	POUND	POUND	POUND	ACRE	LOCATION	ACRE	POUND	FOOT	EACH	EACH		
CAMP ST.									CAMP ST.							
STA. 24+26	TO	STA. 28+00							STA. 24+26	TO	STA. 28+00					
STA. 28+00	TO	STA. 33+00	10,342.0	0.237	21.4	21.4	21.4	0.237	STA. 28+00	TO	STA. 33+00	0.237	71.23	123.0	2	4
STA. 33+00	TO	STA. 38+50	2,022.0	0.046	4.2	4.2	4.2	0.046	STA. 33+00	TO	STA. 38+50	0.046	13.93		9	
STA 38+50	TO	STA. 44+38							STA 38+50	TO	STA. 44+38				3	
RIVERSIDE DR.									RIVERSIDE DR.							
STA. 10+55.24		STA. 15+00	5,694.3	0.131	11.8	11.8	11.8	0.131	STA. 10+55.24		STA. 15+00	0.131	39.22	39.1		
STA. 15+00	TO	STA. 18+60.51	7,846.5	0.180	16.2	16.2	16.2	0.180	STA. 15+00	TO	STA. 18+60.51	0.180	54.04			
SUBTOTAL				0.595	53.5	53.5	53.5	0.595	SUBTOTAL			0.595	178.4	162.1	2	16
TOTAL				0.75	54	54	54	0.75	TOTAL			0.75	179	163	2	16

1. ADDITIONAL MULCH QUANTITIY LISTED IN EROSION CONTROL SCHEDULE.

1. ADDITIONAL MULCH QUANTITIY LISTED IN LANDSCAPING SCHEDULE.



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CITY OF EAST PEORIA

SCHEDULE OF QUANTITIES  
CAMP ST. AND RIVERSIDE DR.

SCALE: N.T.S SHEET 1 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	19-00171-00-RP	TAZEWELL	113	18
FED. PROJECT NO.		CONTRACT NO. 89818		
ILLINOIS FED. AID PROJECT				

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PAVEMENT SCHEDULE			GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SUBBASE GRANULAR MATERIAL, TYPE B 4"	AGGREGATE BASE COURSE, TYPE B	AGGREGATE BASE COURSE, TYPE B 10"	PORTLAND CEMENT CONCRETE BASE COURSE 8"	BITUMINOUS MATERIALS (PRIME COAT)	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED)	PROTECTIVE COAT	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	HOT-MIX ASPHALT SHOULDERS, 6"
LOCATION			SQ YD	SQ YD	CU YD	SQ YD	SQ YD	POUND	POUND	TON	SQ YD	SQ YD	SQ YD	SQ YD
CAMP ST.														
STA. 24+26	TO	STA. 28+00												
STA. 28+00	TO	STA. 33+00	466.0	4.4	337.6	466.0		90.0			4,572.0	4,572.0		40
STA. 33+00	TO	STA. 38+50	205.0		288.1	205.0					3,896.0	3,896.0		
STA. 38+50	TO	STA. 44+38	9.6		117.8	9.6					1,631.0	1,631.0		
RIVERSIDE DR.														
STA. 10+55.24		STA. 15+00	166.0		46.1	166.0	95.6		49.1	68.2	112.0	112.0		
STA. 15+00	TO	STA. 18+60.51	49.0	5.6		49.0	29.5		33.8	46.9		50.0	50.0	
SUBTOTAL			895.6	10.0	789.6	895.6	125.1	90.0	82.8	115.0	10,211.0	10,261.0	50.0	40.0
<b>TOTAL</b>			<b>896</b>	<b>10</b>	<b>790</b>	<b>896</b>	<b>126</b>	<b>90</b>	<b>83</b>	<b>116</b>	<b>10,211</b>	<b>10,261</b>	<b>50</b>	<b>40</b>

NOTES:

1. ADDITIONAL SUBBASE GRANULAR MATERIAL, TYPE A 4" QUANTITY LISTED IN SIDEWALK AND CURB, GUTTER & MEDIAN SCHEDULE.
2. ADDITIONAL PROTECTIVE COAT QUANTITY LISTED IN SIDEWALK AND CURB, GUTTER & MEDIAN SCHEDULE.

SIDEWALK SCHEDULE			SUBBASE GRANULAR MATERIAL, TYPE B 4"	PROTECTIVE COAT	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	DETECTABLE WARNINGS	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH, SPECIAL
LOCATION			SQ YD	SQ YD	SQ FT	SQ FT	SQ FT
CAMP ST.							
STA. 24+26	TO	STA. 28+00					
STA. 28+00	TO	STA. 33+00	373.5	373.5	2,976.5	82.0	384.8
STA. 33+00	TO	STA. 38+50	84.5	84.5	760.5		
STA. 38+50	TO	STA. 44+38					
RIVERSIDE DR.							
STA. 10+55.24		STA. 15+00	169.0	169.0	1,521.0		
STA. 15+00	TO	STA. 18+60.51	371.3	371.3	3,236.2	24.0	105.5
SUBTOTAL			998.3	998.3	8,494.2	106.0	490.3
<b>TOTAL</b>			<b>999</b>	<b>999</b>	<b>8,495</b>	<b>106</b>	<b>491</b>

NOTES:

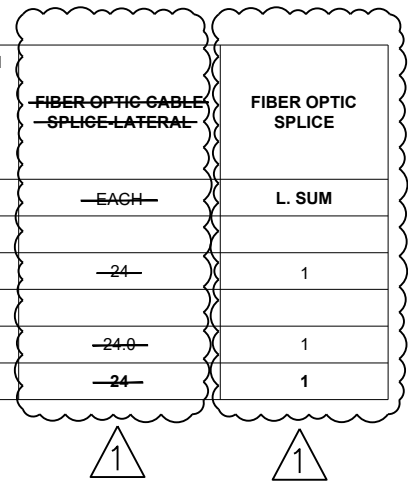
1. ADDITIONAL SUBBASE GRANULAR MATERIAL QUANTITY LISTED IN PAVEMENT AND CURB, GUTTER & MEDIAN SCHEDULE.
2. ADDITIONAL PROTECTIVE COAT QUANTITY LISTED IN PAVEMENT AND CURB, GUTTER & MEDIAN SCHEDULE.



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SIGNAL CABLE SCHEDULE	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 6	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14			ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FIBER OPTIC CABLE - SPLICE LATERAL	FIBER OPTIC SPLICE
		3C	5C	7C			
LOCATION	FOOT	FOOT	FOOT	FOOT	FOOT	EACH	L. SUM
CAMP ST. AND RIVERSIDE RD.	499.5	1,254.5	1,449.5	2,017.5	295.5	24	1
SUBTOTAL	499.5	1254.5	1449.5	2017.5	295.5	24.0	1
TOTAL	500	1,255	1,450	2,018	296	24	1



MAST ARM & PED PUSH BUTTON SCHEDULE	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 28 FT.	STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	ACCESSIBLE PEDESTRIAN SIGNALS	CONCRETE FOUNDATION, TYPE A
LOCATION	EACH	EACH	FOOT	EACH	FOOT
MAST ARMS B, C & D	1	1	23.5	1	
SIGNAL POLES F & G				2	7
PED POST E				1	
SUBTOTAL	1	1	23.5	4	7.0
TOTAL	1	1	24	4	7

SIGNAL HEADS SCHEDULE	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	TRAFFIC SIGNAL BACKPLATE, RETRO-REFLECTIVE
LOCATION	EACH	EACH	EACH	EACH	EACH	EACH	EACH
CAMP ST. AND RIVERSIDE DR.	5	1	2	7	2	1	15
SUBTOTAL	5	1	2	7	2	1	15
TOTAL	5	1	2	7	2	1	15

QUANTITIES NOT OTHERWISE SCHEDULED	SEGMENTAL CONCRETE BLOCK WALL	MOBILIZATION	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	CONSTRUCTION LAYOUT
LOCATION	SQ FT	L. SUM	L. SUM	L. SUM
CAMP ST. AND RIVERSIDE DR.	118.0	1	1	1
SUBTOTAL	118.0	1	1	1
TOTAL	118	1	1	1

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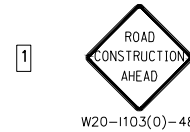
SCHEDULE OF QUANTITIES  
CAMP ST. AND RIVERSIDE DR.

SCALE: N.T.S SHEET 7 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	19-00171-00-RP	TAZEWELL	113	24
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**LEGEND**



W20-1103(0)-48



W20-5R(0)-48



R3-5-3036



W20-3(0)-48



M5-1(0)-2115



R3-1-2424 (RIGHT)  
R3-2-2424 (LEFT)



R5-1



ONLY



ONLY

HIGHWAY STANDARDS  
701427  
701601  
701701  
701801  
701901

**GENERAL NOTES (ALL STAGES)**

- TEMPORARY PAVEMENT (VARIABLE DEPTH) SHALL BE CONSTRUCTED WITH SLOPES OF 1:40 MAXIMUM.
- DRAINAGE TO EXISTING AND PROPOSED DRAINAGE STRUCTURES TO BE MAINTAINED AT ALL TIMES.
- LANE CLOSURE TAPER RATES MAY NEED TO BE ADJUSTED TO FIT FIELD CONDITIONS.
- ACCESS TO ENTRANCES AND LOCAL ROADS WITHIN THE PROJECT AREA SHALL BE MAINTAINED AT ALL TIMES UNLESS OTHERWISE NOTED.
- TRAVEL LANES MAY BE REDUCED TO 1, 10' MIN. WIDTH LANE IN EACH DIRECTION ON CAMP ST. AND RIVERSIDE DR. UNLESS OTHERWISE NOTED.
- DRUMS SHALL BE SPACED AT 25' (20' THROUGH TAPERS) UNLESS NOTED OTHERWISE.
- FOR INSTALLATION OF PERMANENT PAVEMENT MARKINGS, TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH HIGHWAY STANDARD 701427.
- ALL TEMPORARY PAVEMENT MARKINGS SHALL BE 4" UNLESS OTHERWISE NOTED. STOP BARS SHALL BE 24".
- FOR DESCRIPTION PURPOSES, A 'PLAN' NORTH HAS BEEN ADDED TO THE MOT PLANS SO THAT CAMP ST. IS CONSIDERED TO BE A NORTH-SOUTH ROADWAY AND CAN BE DESCRIBED AS SUCH. A TRUE NORTH ARROW WILL ALSO BE SHOWN FOR REFERENCE.

**PRE-STAGE 1 (NOT SHOWN)**

TRAFFIC

- TRAFFIC ON CAMP ST. MAY BE REDUCED TO ONE, 10' LANE IN EACH DIRECTION MAINTAINING ALL EXISTING EXCLUSIVE LEFT TURN LANES.
- THE CAMP ST. CROSSING ENTRANCE (LANES APPROACH CAMP ST.) MAY BE REDUCED TO ONE, 16' LANE, SHIFTED SOUTH. THIS WIDER LANE MAY BE REDUCED AS LONG AS TRUCKS EXITING CAN MANEUVER OUT OF THE ENTRANCE.
- RIVERSIDE DR. APPROACH TRAFFIC MAY BE REDUCED TO ONE LANE.
- RIVERFRONT DR. ACCESS TRAFFIC SHALL REMAIN AS EXISTING.

CONSTRUCTION

- INSTALL TRAFFIC CONTROL DEVICES PER APPLICABLE STANDARDS.
- CONSTRUCT TEMPORARY SIGNALS.
- REMOVE EXISTING MEDIANS AND CONSTRUCT TEMPORARY PAVEMENT AS SHOWN IN STAGE 1.
- CONSTRUCT LATERAL STORM SEWER ON RIVERSIDE DR., SHIFTING TRAFFIC LANES AS NEEDED.

**STAGE 1**

TRAFFIC

- TRAFFIC ON CAMP ST. SHALL BE REDUCED TO ONE LANE IN EACH DIRECTION WITH DEDICATED LEFT TURN LANES AS SHOWN.
- TRAFFIC ON RIVERSIDE DR. SHALL BE SHIFTED TO THE NORTH LANES AND SHALL PROVIDE ONE LANE IN EACH DIRECTION.
- THE CAMP ST. CROSSING ENTRANCE (LANES APPROACH CAMP ST.) MAY BE REDUCED TO ONE, 16' LANE, SHIFTED NORTH. THIS WIDER LANE MAY BE REDUCED AS LONG AS TRUCKS EXITING CAN MANEUVER OUT OF THE ENTRANCE.
- RIVERFRONT DR ACCESS SHALL REMAIN AS EXISTING.

CONSTRUCTION

- INSTALL TRAFFIC CONTROL DEVICES PER PLANS & APPLICABLE STANDARDS.
- CONSTRUCT NORTH LANE OF CAMP ST. AS SHOWN, THE RIGHT TURN LANE FOR RIVERSIDE DR. AND THE WIDENING ALONG RIVERSIDE DR. THIS WORK INCLUDES THE OUTSIDE CURB AND GUTTER, STORM SEWER, AND ALL COLLATERAL WORK.
- SIDEWALK AND DITCH TO BE CONSTRUCTED AFTER TREE REMOVAL. (SEE TYPICAL SECTION ON THIS SHEET)
- DITCH FLOW TO BE MAINTAINED AT ALL TIMES.

**STAGE 1 SUBSTAGES - RIVERSIDE DR.**

SUBSTAGE 1A

- ADJUST TRAFFIC CONTROL DEVICES AND TEMPORARY SIGNALS TO ACCOMMODATE THE FOLLOWING CHANGES IN TRAFFIC:
  - SHIFT RIGHT TURN TRAFFIC FROM CAMP ST. TO RIVERSIDE DR. ONTO THE NEW RIGHT TURN PAVEMENT
  - REDUCE THE RIVERSIDE DR. LANE WIDTHS AS SHOWN IN THE PLANS.
- CONSTRUCT SUB-STAGE 1A STORM SEWER, PAVEMENT AND TEMPORARY PAVEMENT FOR STAGE 1B AS SHOWN.

SUBSTAGE 1B

- ADJUST TRAFFIC CONTROL DEVICES AND TEMPORARY SIGNALS TO ACCOMMODATE THE FOLLOWING CHANGES IN TRAFFIC:
  - SHIFT LEFT TURN TRAFFIC FROM RIVERSIDE DR. TO CAMP ST. ONTO THE NEW PAVEMENT AS SHOWN.
- CONSTRUCT SUB-STAGE 1B PAVEMENT AS SHOWN.

SUBSTAGE 1C

- ADJUST TRAFFIC CONTROL DEVICES AND TEMPORARY SIGNALS TO ACCOMMODATE THE FOLLOWING CHANGES IN TRAFFIC:
  - SHIFT RIGHT TURN TRAFFIC FROM RIVERSIDE DR. TO CAMP ST. ONTO THE NEW PAVEMENT AS SHOWN.
- CONSTRUCT SUB-STAGE 1C PAVEMENT AS SHOWN.

**STAGE 1 SUBSTAGES - RIVERFRONT DR. ACCESS**

SUBSTAGE 1A

- ADJUST TRAFFIC CONTROL DEVICES AND TEMPORARY SIGNALS TO ACCOMMODATE THE FOLLOWING CHANGES IN TRAFFIC:
  - COMBINE AND SHIFT THE OFF-RAMP TRAFFIC ONTO THE NORTH LANES AS SHOWN.
- CONSTRUCT SUB-STAGE 1A PAVEMENT AS SHOWN.

SUBSTAGE 1B

- ADJUST TRAFFIC CONTROL DEVICES AND TEMPORARY SIGNALS TO ACCOMMODATE THE FOLLOWING CHANGES IN TRAFFIC:
  - SHIFT THE OFF-RAMP LEFT TURN TRAFFIC SOUTH AND PROHIBIT OFF-RAMP RIGHT TURNS AS SHOWN.
  - SHIFT ON RAMP TRAFFIC AS SHOWN AND PROHIBIT RIGHT TURNS FROM CAMP ST. TO THE ON-RAMP.
- CONSTRUCT SUB-STAGE 1B PAVEMENT AS SHOWN.

SUBSTAGE 1C

- ADJUST TRAFFIC CONTROL DEVICES AND TEMPORARY SIGNALS TO ACCOMMODATE THE FOLLOWING CHANGES IN TRAFFIC:
  - SHIFT CAMP ST. NORTHBOUND TRAFFIC TO THE NEW EAST LANE
  - SHIFT AND REDUCE CAMP ST. SOUTHBOUND TRAFFIC TO THE OUTER WEST LANE.
  - REDUCE ACCESS FOR RIVERFRONT DR. ACCESS TO RIGHT IN AND RIGHT OUT ONLY TRAFFIC.
- CONSTRUCT SUB-STAGE 1C PAVEMENT AS SHOWN.

**STAGE 2**

TRAFFIC

- SHIFT ALL NORTHBOUND TRAFFIC ONTO THE NEW PAVEMENT OF CAMP ST.
- SHIFT RIVERSIDE DR. WESTBOUND RIGHT TURN TRAFFIC TO THE NORTH LANE.
- SHIFT TRAFFIC EXITING THE CAMP ST. CROSSING ENTRANCE TO THE SOUTH.
- TRAFFIC AT RIVERFRONT DR. ACCESS SHALL REMAIN EXCEPT THAT ALL TURNING MOVEMENTS SHALL BE ALLOWED AND AN EXCLUSIVE SOUTHBOUND LEFT TURN LANE PROVIDED.

CONSTRUCTION

- ADJUST TRAFFIC CONTROL DEVICES AND TEMPORARY SIGNALS PER PLANS & APPLICABLE STANDARDS.
- CONSTRUCT INSIDE PAVEMENT OF CAMP ST. THIS WORK SHALL INCLUDE THE CONSTRUCTION OF THE PAVEMENT, MEDIAN CURB AND GUTTER, STORM SEWER, AND ALL COLLATERAL WORK.

**STAGE 2 SUBSTAGES - RIVERSIDE DR.**

SUBSTAGE 2A

- ADJUST TRAFFIC CONTROL DEVICES AND TEMPORARY SIGNALS TO ACCOMMODATE THE FOLLOWING CHANGES IN TRAFFIC:
  - SHIFT AND OR COMBINE LEFT TURN LANES AT THE INTERSECTION AS SHOWN.
- CONSTRUCT SUB-STAGE 2A PAVEMENT AS SHOWN.

SUBSTAGE 2B

- ADJUST TRAFFIC CONTROL DEVICES AND TEMPORARY SIGNALS TO ACCOMMODATE THE FOLLOWING CHANGES IN TRAFFIC:
  - SHIFT LEFT TURN LANES AT THE INTERSECTION AS SHOWN.
  - CAMP ST. CROSSING SHALL BE RESTRICTED TO ENTERING ONLY TRAFFIC TO ACCOMMODATE TRUCK TURNING MOVEMENTS.
- CONSTRUCT SUB-STAGE 2B PAVEMENT AS SHOWN.

**STAGE 2 SUBSTAGES - RIVERFRONT DR. ACCESS**

SUBSTAGES 2A & 2B

- ADJUST TRAFFIC CONTROL DEVICES AND TEMPORARY SIGNALS TO SHIFT TRAFFIC AS SHOWN FOR RIVERFRONT DR. ACCESS AND THE ADJACENT ENTRANCE.
- CONSTRUCT SUB-STAGE PAVEMENTS AS SHOWN.

**STAGE 3**

TRAFFIC

- SHIFT ALL TRAFFIC ONTO THE NEW CAMP ST. PAVEMENT.
- SHIFT RIVERSIDE DR. WESTBOUND TURN LANE TRAFFIC AS SHOWN.
- RESTRICT CAMP ST. CROSSING TRAFFIC TO ENTER ONLY VIA THE EXIT LANES.
- RIVERFRONT DR. TRAFFIC SHALL REMAIN

CONSTRUCTION

- ADJUST TRAFFIC CONTROL DEVICES AND TEMPORARY SIGNALS PER PLANS & APPLICABLE STANDARDS.
- CONSTRUCT THE OUTER WEST LANE OF CAMP ST. AND THE NORTHWEST QUADRANT OF THE CAMP ST. CROSSING ENTRANCE. THIS WORK SHALL INCLUDE PAVEMENT, SHOULDER, CURB AND GUTTER, STORM SEWER, SIDEWALK, AND ALL COLLATERAL WORK.

**STAGE 3 SUBSTAGES - RIVERSIDE DR.**

SUBSTAGE 3A

- ADJUST TRAFFIC CONTROL DEVICES AND TEMPORARY SIGNALS TO ACCOMMODATE THE FOLLOWING CHANGES IN TRAFFIC:
  - SHIFT SOUTHBOUND RIGHT TURN TRAFFIC ONTO THE NEWLY CONSTRUCTED STAGE 3 PAVEMENT OF CAMP ST. CROSSING ENTRANCE.
- CONSTRUCT SUB-STAGE 3A PAVEMENT AS SHOWN.

SUBSTAGE 3B

- ADJUST TRAFFIC CONTROL DEVICES AND TEMPORARY SIGNALS TO ACCOMMODATE THE FOLLOWING CHANGES IN TRAFFIC:
  - SHIFT NORTHBOUND LEFT TURN TRAFFIC ONTO THE NEWLY CONSTRUCTED STAGE 3 PAVEMENT OF CAMP ST. CROSSING ENTRANCE.
- CONSTRUCT SUB-STAGE 3B PAVEMENT AS SHOWN.

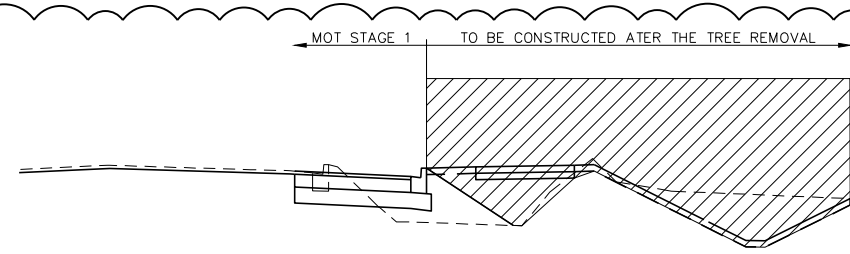
**STAGE 4 (NOT SHOWN)**

TRAFFIC

- SHIFT TRAFFIC AS NEEDED TO RESURFACE RIVERSIDE DR. AND TO COMPLETE ALL FINAL PAVEMENT MARKINGS.

CONSTRUCTION

- ADJUST TRAFFIC CONTROL DEVICES AND TEMPORARY SIGNALS PER PLANS & APPLICABLE STANDARDS.
- REMOVE TEMPORARY PAVEMENT, CONSTRUCT ISLANDS AND MEDIANS
- MILL AND OVERLAY RIVERSIDE DR.
- INSTALL FINAL PAVEMENT MARKINGS
- COMPLETE TRAFFIC SIGNALS
- COMPLETE LANDSCAPING



PLAN	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	BY
	PLANNING	
	STRUCTURE	
	NOTATION	
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PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	BY
	PLANNING	
	STRUCTURE	
	NOTATION	
	FILE NAME	

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184-005896

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**CITY OF EAST PEORIA**

**MAINTENANCE OF TRAFFIC  
LEGEND AND GENERAL NOTES**

SCALE: N.T.S SHEET 1 OF 11 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	19-00171-00-RP	TAZEWELL	113	27
FED. PROJECT NO.		CONTRACT NO. 89818		
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
NO.	PLOTTED	BY
	CHECKED	
	FILE NAME	

PROFILE	SURVEYED	DATE
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	FILE NAME	

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**TRAFFIC SIGNAL LEGEND**

	CONCRETE HANDHOLE		EX. CONCRETE HANDHOLE
	CONCRETE DOUBLE HANDHOLE		EX. CONCRETE DOUBLE HANDHOLE
	SIGNAL CONTROLLER		EX. SIGNAL CONTROLLER
	CLOSED CIRCUIT TV		EX. EMERGENCY VEHICLE PRIORITY SYSTEM
	VIDEO VEHICLE DETECTION SYSTEM		EX. SIGNAL POST AND FOUNDATION
	WOOD POLE (CLASS 4 OR BETTER) 46' MIN.		EX. COMBINATION MAST ARM ASSEMBLY AND POLE
	COMBINATION MAST ARM AND POLE		EX. SIGNAL HEAD WITH BACKPLATE
	SIGNAL HEAD WITH BACKPLATE		EX. SIGNAL HEAD
	SIGNAL HEAD		EX. PEDESTRIAN SIGNAL HEAD
	PEDESTRIAN SIGNAL HEAD		EX. SIGN
	EMERGENCY VEHICLE PRIORITY SYSTEM		EX. LUMINAIRE
	LUMINAIRE	DHH1	DOUBLE HANDHOLE #1
	SIGNAL HEAD WITH BACKPLATE 1 FACE, 3 SECTION	HH1	HANDHOLE #1
	SIGNAL HEAD WITH BACKPLATE (RETROREFLECTIVE) 1 FACE, 3 SECTION	B1	PEDESTRIAN PUSH BUTTON #1
	SIGNAL HEAD WITH BACKPLATE (RETROREFLECTIVE) 1 FACE, 4 SECTION	P1	PEDESTRIAN SIGNAL HEAD #1
	PEDESTRIAN SIGNAL HEAD	TS	TRAFFIC SIGNAL
	PEDESTRIAN PUSH-BUTTON		
	3 CONDUCTOR No. 14 CABLE		
	5 CONDUCTOR No. 14 CABLE		
	7 CONDUCTOR No. 14 CABLE		
	1 WIRE, 5 CONDUCTOR, No. 14 CABLE		
	ELECTRICAL CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6 - 3 EACH		
	ELECTRICAL CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, 1/C NO. 6 - 1 EACH		
	1 CAT 5 ETHERNET CABLE		
	1 WIRE, 3 PAIR, NO. 18 CABLE		

**TRAFFIC SIGNAL CONSTRUCTION NOTES**

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND PROTECT ALL UNDERGROUND FACILITIES / UTILITIES DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.39 OF THE STANDARD SPECIFICATIONS. CALL J.U.L.I.E. AT 1-800-892-0123. CONTACT NON-J.U.L.I.E. MEMBERS DIRECTLY. NON-MEMBERS OF J.U.L.I.E. ARE KNOWN TO INCLUDE IDOT AND CITY OF EAST PEORIA (LIGHTING, FIBER OPTIC AND SIGNALS). THE LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY TRAFFIC SIGNAL COMPONENTS.
- THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING, POTHOLING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THE COST OF THIS WORK SHALL BE INCLUDED IN THE CONDUIT PAY ITEMS.
- ALL TRAFFIC SIGNAL CABLES SHALL BE NO. 14 AWG SOLID COPPER UNLESS OTHERWISE SPECIFIED.
- CONDUIT MATERIAL SHALL BE PVC UNLESS OTHERWISE NOTED IN PLANS. COILABLE POLYETHYLENE DUCT MAY BE SUBSTITUTED FOR PVC CONDUIT OF EQUAL SIZE. CONDUIT ON POLES SHALL BE GALVANIZED STEEL.
- ALL TRAFFIC SIGNAL SECTIONS SHALL HAVE 12" SINGLE LED LENSES.
- THE RED SECTIONS OF THE SIGNAL HEADS SHARING THE SAME MAST ARM SHALL BE LEVEL WITH ONE ANOTHER AND MAINTAIN A 16.0 FEET MINIMUM CLEARANCE FROM THE HIGHEST POINT OF THE ROADWAY.
- THE PROPOSED MAST ARM MOUNTED TRAFFIC SIGNAL HEADS SHALL BE MOUNTED DIRECTLY OVER THE CENTER OF THEIR RESPECTIVE LANES.
- ALL TRAFFIC SIGNAL HEAD BRACKETS SHALL BE GALVANIZED STEEL. THE BACKPLATES SHALL BE YELLOW RETROREFLECTIVE.
- PROPOSED HANDHOLES SHALL BE CAST-IN-PLACE CONCRETE HANDHOLES. THE LEGEND ON THE COVER SHALL BE "TRAFFIC SIGNALS". THE HANDHOLE SHALL BE CONSTRUCTED SO THAT THE TOP OF THE FRAME WILL BE FLUSH WITH THE FINAL SURFACE.
- THE LOCATIONS FOR HANDHOLES, TRAFFIC SIGNAL POST FOUNDATIONS AND MAST ARM FOUNDATIONS ARE PROVIDED FOR REFERENCE ONLY. ENGINEER SHALL BE NOTIFIED FOR LOCATION VERIFICATION BEFORE INSTALLATION.
- ALL TRAFFIC SIGNAL MAST ARMS, POSTS, HANDHOLE LIDS, RINGS AND FRAMES, CONTROLLER CABINETS, EXPOSED METALLIC CONDUITS AND PHOTOCCELL RELAYS SHALL BE GROUNDED WITH 1/C #6 CABLE IN ACCORDANCE WITH IDOT AND NATIONAL ELECTRIC CODE REQUIREMENTS.
- THE LENGTH OF CONDUIT SHOWN IS PLAN VIEW LINEAL FEET. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 2 FT, MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
- ANY MAINTENANCE OF EXISTING ELECTRICAL FACILITIES OR TRAFFIC SIGNALS WILL BE CONSIDERED EXTRA WORK IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING CITY OF EAST PEORIA & IDOT LIGHTING, FIBER OPTIC AND TRAFFIC SIGNAL FACILITIES. SEE LOCATION OF NON-JULIE FACILITIES SPECIAL PROVISION FOR ADDITIONAL DETAILS.
- THE CONTRACTOR SHALL POTHOLE EXISTING UTILITIES THAT MAY BE IN CONFLICT WITH THE MAST ARM PRIOR TO ORDERING MAST ARMS.

**DISTRICT 4 ITS NOTES**

- EXISTING 12/12SM FIBER OPTIC RUNS FROM THE RIVER RD. CONTROLLER, THROUGH EXISTING TRAFFIC SIGNAL AND LIGHTING CONDUITS AND HANDHOLES CONNECTING THE RIVERSIDE DR AND IDOT RAMP CONTROLLERS. A 48SM FIBER RUNS THROUGH THE INTERSECTION PARTIALLY IN SEPARATE CONDUITS AND PARTIALLY IN THE EXISTING TRAFFIC SIGNAL CONDUITS. THE 48SM FIBER IS NOT CONNECTED TO THE CONTROLLER AND SHALL REMAIN IN PLACE.
- THE EXISTING 12/12SM FIBER OPTIC SHALL BE DISCONNECTED FROM THE CONTROLLER AND PULLED FROM HANDHOLES AND CONDUITS AS NEEDED TO COIL & STORE THE EXISTING FIBER IN THE NEAREST HANDHOLE OR COMMUNICATION VAULT TO REMAIN.
- THE EXISTING FIBERS SHALL BE TERMINATED IN THE CABINET ACCORDING TO THE ORIGINAL TERMINATORS.
- THE WORK TO DISCONNECT, PULL THE FIBER OPTIC CABLE AND CONNECT TO THE NEW CONTROLLER SHALL BE INCLUDED IN THE COST OF FIBER OPTIC SPLICE.
- SEE SPECIAL PROVISION FOR ADDITIONAL DETAILS.

**BILL OF MATERIALS**

NO.	ITEM DESCRIPTION	UNIT	QUANTITY
1	SIGN PANEL - TYPE 1	SQ.FT	44
2	SIGN PANEL - TYPE 2	SQ.FT	43
3	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	35
4	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	130
5	UNDERGROUND CONDUIT, PVC, 4" DIA.	FOOT	115
6	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1
7	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 6	FOOT	500
8	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION G	EACH	1
9	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,255
10	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,450
11	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2,018
12	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	296
13	TRAFFIC SIGNAL POST, GALVANIZED STEEL 15 FT.	EACH	2
14	PEDESTRIAN PUSH-BUTTON POST, GALVANIZED STEEL, TYPE II	EACH	1
15	STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1
16	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 28 FT.	EACH	1
17	CONCRETE FOUNDATION, TYPE A	FOOT	7
18	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	24
19	DRILL EXISTING HANDHOLE	EACH	2
20	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	5
21	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
22	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
23	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	7
24	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
25	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	1
26	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	15
27	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
28	REBUILD EXISTING HANDHOLE TO HEAVY-DUTY HANDHOLE	EACH	1
29	REMOVE EXISTING CONCRETE FOUNDATION	EACH	2
30	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
31	FIBER OPTIC CABLE SPLICE LATERAL	EACH	1
32	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
33	EMERGENCY VEHICLE PRIORITY SYSTEM	EACH	1
34	VIDEO VEHICLE DETECTION SYSTEM, 4 CAMERA	EACH	1
35	TEMPORARY TRAFFIC SIGNAL INSTALLATION (SPECIAL)	EACH	1



**ADDITIONAL TRAFFIC CONTROLLER AND CABINET NOTES**

- NO FIBER OPTIC TELEMETRY COMPONENTS ARE REQUIRED.
- THE CABINET SHALL BE EQUIPPED WITH A CABINET RISER THAT RAISES THE CABINET APPROXIMATELY TWELVE INCHES ABOVE THE CONCRETE FOUNDATION. THE RISER SHALL BOLT DIRECTLY TO THE EXISTING FOUNDATION ANCHOR BOLTS AND THE RISER SHALL BE ATTACHED TO THE CABINET USING GALVANIZED STEEL HARDWARE.
- THE RISER SHALL BE FABRICATED FROM 0.125-INCH (3 MM) SHEET ALUMINUM WITH FLANGES ON THE TOP AND BOTTOM TO PROVIDE RIGIDITY. THE RISER SHALL BE EQUIPPED WITH MOUNTING FLANGES AS REQUIRED TO CONNECT WITH THE CONTROLLER CABINET AND FOUNDATION ANCHOR BOLTS. THE OUTSIDE SURFACE OF THE RISER SHALL HAVE A SMOOTH, UNIFORM, NATURAL FINISH.
- THE COST OF THE ABOVE WORK SHALL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROLLER AND CABINET.

**TRAFFIC SIGNAL PLAN INDEX**

- TRAFFIC SIGNAL GENERAL NOTES AND LEGEND
- TRAFFIC SIGNAL REMOVAL PLAN
- TRAFFIC SIGNAL LAYOUT PLAN
- CABLE WIRING DETAILS
- MAST ARM DETAILS



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CITY OF EAST PEORIA

**TRAFFIC SIGNAL GENERAL NOTES AND LEGEND**

SCALE: N.T.S SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6713	19-00171-00-RP	TAZEWELL	113	65
FED. PROJECT NO.			CONTRACT NO. 89818	
ILLINOIS FED. AID PROJECT				

