

URBAN SUMMARY OF QUANTITIES

PAY CODE	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	TRAFFIC SIGNALS										WATER MAIN AND SANITARY SEWER			
				ROADWAY			SHARED-USE PATH	LIGHTING	US 14 & LUCAS ROAD	US 14 & RIDGEFIELD ROAD SOUTH	US 14 & IL 176	US 14 & WOODSTOCK STREET	US 14 & CRYSTAL LAKE AVE	EMERGENCY VEHICLE PROTECTION ILLUMINATED STREET NAME SIGNS	INTERCONNECT	100% STATE	100% CRYSTAL LAKE
				100% STATE	MCHENRY COUNTY COLLEGE 100%	80% STATE 20% MCHENRY COUNTY	100% STATE	MCHENRY COUNTY COLLEGE 100%	93.3% STATE 6.7% MCHENRY COUNTY	100% STATE	90% STATE 5% MCHENRY COUNTY 5% CRYSTAL LAKE	90% STATE 10% CRYSTAL LAKE	100% CRYSTAL LAKE	100% STATE	100% STATE	100% CRYSTAL LAKE	
				0003	0003	0028	0021	0021	0021	0021	0021	0021	0021	0021	0043	0043	
				07A0L	07R0L	07G0L	07A0L,01	07R0L,01	07B0L,01	07A0L,02	07C0L,01	07C0L,01	07P0L,01	07A0L,02	07A0L,01	07P0L,01	
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	3,194	3,087	107												
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	4,102	4,032	70												
20101000	TEMPORARY FENCE	FOOT	229	229													
20200100	EARTH EXCAVATION	CU YD	80,527	78,327	1,913	287											
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	25,379	25,379													
20700220	POROUS GRANULAR EMBANKMENT	CU YD	14,830	14,830													
20800150	TRENCH BACKFILL	CU YD	8,300	5,383													2,917
* 21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	6,594	6,273	189	132											
* 21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	3,176	3,176													
* 21101625	TOPSOIL FURNISH AND PLACE, 6"	SO YD	34,011	33,136	88	787											
* 21101685	TOPSOIL FURNISH AND PLACE, 24"	SO YD	9,033	8,822	211												
21301072	EXPLORATION TRENCH 72" DEPTH	FOOT	350	350													
21400100	GRADING AND SHAPING DITCHES	FOOT	270	270													
* 25000210	SEEDING, CLASS 2A	ACRE	15.00	14.70	0.30												
* 25000312	SEEDING, CLASS 4A	ACRE	2.69	2.69													

* SPECIALTY ITEM

FILE NAME : S:\1606\CA00 Sheets\0162517-44-500.dgn	USER NAME : USERNAME	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A. RTE. 305	SECTION 27R-3	COUNTY MCHENRY	TOTAL SHEETS 431	SHEET NO. 4
PLOT SCALE : 100.0000' / 1" =	CHECKED -	REVISED -	SCALE: NONE		SHEET NO. 4 OF 431 SHEETS	STA.	TO STA.	CONTRACT NO. 62517				
PLOT DATE : 6/17/2014	DATE -	REVISED -	ILLINOIS FED. AID PROJECT									
			Rev. 7-18-14									

URBAN SUMMARY OF QUANTITIES

PAY CODE	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	TRAFFIC SIGNALS											WATER MAIN AND SANITARY SEWER	
				ROADWAY		SHARED-USE PATH	LIGHTING	US 14 & LUCAS ROAD	US 14 & RIDGEFIELD ROAD SOUTH	US 14 & IL 176	US 14 & WOODSTOCK STREET	US 14 & CRYSTAL LAKE AVE	EMERGENCY VEHICLE PROTECTION ILLUMINATED STREET NAME SIGNS	INTERCONNECT	100% STATE	100% CRYSTAL LAKE
				100% STATE	MCHENRY COUNTY COLLEGE 100%	80% STATE 20% MCCD	100% STATE	MCHENRY COUNTY COLLEGE 100%	93.3% STATE 6.7% MCHENRY COUNTY	100% STATE	90% STATE 5% Crystal Lake 5% McHenry Co.	90% STATE 10% CRYSTAL LAKE	100% CRYSTAL LAKE	100% STATE	100% STATE	100% CRYSTAL LAKE
				0003	0003	0028	0021	0021	0021				0021	0021	0043	0043
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	1,763	1,727	36											
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	1,763	1,727	36											
* 25100115	MULCH, METHOD 2	ACRE	8.90	8.90												
* 25100630	EROSION CONTROL BLANKET	SO YD	85,813	85,813												
* 25200110	SODDING, SALT TOLERANT	SO YD	8,555	8,555												
28000200	EARTH EXCAVATION FOR EROSION CONTROL	CU YD	191	191												
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	2,660	2,660												
28000305	TEMPORARY DITCH CHECKS	FOOT	1,848	1,848												
28000400	PERIMETER EROSION BARRIER	FOOT	14,018	14,018												
28000500	INLET AND PIPE PROTECTION	EACH	22	22												
28000510	INLET FILTERS	EACH	238	238												
28001000	AGGREGATE (EROSION CONTROL)	TON	7	7												
28100105	STONE RIPRAP, CLASS A3	SO YD	131	131												
28200200	FILTER FABRIC	SO YD	131	131												
* 30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SO YD	117,174	115,140	2,034											

* SPECIALTY ITEM

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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 5 OF 431 SHEETS STA. TO STA.

Rev. 7-18-14

F.A. RTE. 305	SECTION 27R-3	COUNTY MCHENRY	TOTAL SHEETS 431	SHEET NO. 5
CONTRACT NO. 62517				
[ILLINOIS] FED. AID PROJECT				

URBAN SUMMARY OF QUANTITIES

PAY CODE	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	TRAFFIC SIGNALS											WATER MAIN AND SANITARY SEWER	
				ROADWAY		SHARED-USE PATH	LIGHTING	US 14 & LUCAS ROAD	US 14 & RIDGEFIELD ROAD SOUTH	US 14 & IL 176	US 14 & WOODSTOCK STREET	US 14 & CRYSTAL LAKE AVE	EMERGENCY VEHICLE PROTECTION/ILLUMINATED STREET NAME SIGNS	INTERCONNECT	100% STATE	100% CRYSTAL LAKE
				100% STATE	MCHENRY COUNTY COLLEGE 100%	80% STATE 20% MCCD	100% STATE	MCHENRY COUNTY COLLEGE 100%	93.3% STATE 6.7% MCHENRY COUNTY	100% STATE	90% STATE 10% CRYSTAL LAKE	90% STATE 10% CRYSTAL LAKE	100% CRYSTAL LAKE	100% STATE	100% STATE	100% CRYSTAL LAKE
				0003	0003	0028	0021	0021	0021	0021	0021	0021	0021	0021	0043	0043
31200502	STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2"	SO YD	91,266	90,799	467											
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SO YD	266	266												
35102200	AGGREGATE BASE COURSE, TYPE B 10"	SO YD	2,833		2,833											
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SO YD	683	683												
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SO YD	1,443	1,443												
35600713	HOT-MIX ASPHALT BASE COURSE WIDENING, 9 1/4"	SO YD	4,946	4,946												
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	4	4												
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	794	771	23											
40600895	CONSTRUCTING TEST STRIP	EACH	1	1												
40600990	TEMPORARY RAMP	SO YD	373	373												
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	269		269											
40603090	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	623	623												
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	442	281	161											
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	208	163	45											
40603595	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	TON	1,539	1,539												

* SPECIALTY ITEM

Rev. 7-18-14

REV.

FILE NAME = S:\1606\CA00 Sheets\0162517-ah1-500.dgn	USER NAME = USERNAME	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLDT SCALE = 100.0000 1" = 100'	DRAWN -	REVISED -	305			27R-3	MCHENRY	431	6	
PLDT DATE = 6/17/2014	CHECKED -	REVISED -	SCALE: NONE SHEET NO. 6 OF 431 SHEETS STA. TO STA.			CONTRACT NO. 62517				
	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							

SUMMARY OF QUANTITIES

PAY CODE	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	URBAN		SHARED-USE PATH	LIGHTING	TRAFFIC SIGNALS					EMERGENCY VEHICLE PROTECTION/ILLUMINATED STREET NAME SIGNS	INTERCONNECT	WATER MAIN AND SANITARY SEWER			
				ROADWAY				US 14 & LUCAS ROAD	US 14 & RIDGEFIELD ROAD SOUTH	US 14 & IL 176	US 14 & WOODSTOCK STREET	US 14 & CRYSTAL LAKE AVE			100% STATE	100% STATE	100% STATE	100% STATE
				100% STATE	MCHENRY COUNTY COLLEGE 100%			MCHENRY COUNTY COLLEGE 100%	93.3% STATE 6.7% MCHENRY COUNTY	100% STATE	90% STATE 5% Crystal Lake 5% McHenry Co	90% STATE 10% CRYSTAL LAKE			100% CRYSTAL LAKE	100% STATE	100% STATE	100% STATE
				0003	0003	0028		0021		0021		0021		0021		0043	0043	
40701861	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9"	SD YD	4,330	2,895	1,435													
42000416	PORTLAND CEMENT CONCRETE PAVEMENT 9 3/4" (JOINTED)	SD YD	84,159	83,770	389													
42001300	PROTECTIVE COAT	SD YD	113,466	112,993	473													
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SD YD	1,275	1,275														
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SD FT	21,025	21,025														
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SD FT	764	764														
42400800	DETECTABLE WARNINGS	SD FT	412	278		134												
44000100	PAVEMENT REMOVAL	SD YD	87,861	86,501	1,360													
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SD YD	2,044	1,512	532													
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SD YD	11,350	11,350														
44000200	DRIVEWAY PAVEMENT REMOVAL	SD YD	5,658	5,567	91													
44000300	CURB REMOVAL	FOOT	1,940	1,790	150													
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	11,773	11,773														
44000600	SIDEWALK REMOVAL	SD FT	17,304	17,304														
44003100	MEDIAN REMOVAL	SD FT	2,032	2,032														

Rev. 7-18-14

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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 7 OF 431 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	27R-3	MCHENRY	431	7
CONTRACT NO. 62517			ILLINOIS FED. AID PROJECT	

URBAN SUMMARY OF QUANTITIES

PAY CODE	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	TRAFFIC SIGNALS											WATER MAIN AND SANITARY SEWER		
				ROADWAY		SHARED-USE PATH	LIGHTING	US 14 & LUCAS ROAD	US 14 & RIDGEFIELD ROAD SOUTH	US 14 & IL 176	US 14 & WOODSTOCK STREET	US 14 & CRYSTAL LAKE AVE	EMERGENCY VEHICLE PROTECTION/ILLUMINATED STREET NAME SIGNS	INTERCONNECT	100% STATE	100% CRYSTAL LAKE	
				100% STATE	MCHENRY COUNTY COLLEGE 100%	80% STATE 20% MCCD	100% STATE	MCHENRY COUNTY COLLEGE 100%	93.3% STATE 6.7% MCHENRY COUNTY	100% STATE	90% STATE 5% CRYSTAL LAKE 5% MCHENRY CO.	90% STATE 10% CRYSTAL LAKE	100% CRYSTAL LAKE	100% STATE	100% STATE	100% CRYSTAL LAKE	
				0003	0003	0028	0021	0021	0021	0021	0021	0021	0021	0021	0043	0043	
50105220	PIPE CULVERT REMOVAL	FOOT	1,576	1,576													
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	4	4													
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	14	14													
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1	1													
54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	1	1													
54214713	PRECAST REINFORCED CONCRETE FLARED END SECTIONS - ELLIPTICAL, EQUIVALENT ROUND-SIZE 18"	EACH	7	7													
54214719	PRECAST REINFORCED CONCRETE FLARED END SECTIONS - ELLIPTICAL, EQUIVALENT ROUND-SIZE 24"	EACH	5	5													
54214722	PRECAST REINFORCED CONCRETE FLARED END SECTIONS - ELLIPTICAL, EQUIVALENT ROUND-SIZE 27"	EACH	4	4													
54214725	PRECAST REINFORCED CONCRETE FLARED END SECTIONS - ELLIPTICAL, EQUIVALENT ROUND-SIZE 30"	EACH	2	2													
54214731	PRECAST REINFORCED CONCRETE FLARED END SECTIONS - ELLIPTICAL, EQUIVALENT ROUND-SIZE 36"	EACH	1	1													
54215547	METAL END SECTIONS 12"	EACH	1	1													
5421A012	PIPE CULVERTS, CLASS A, TYPE 1 12" (TEMPORARY)	FOOT	24	24													
5421A024	PIPE CULVERTS, CLASS A, TYPE 1 24" (TEMPORARY)	FOOT	53	53													
5421D012	PIPE CULVERTS, CLASS D, TYPE 1 12" (TEMPORARY)	FOOT	27	27													
5421D015	PIPE CULVERTS, CLASS D, TYPE 1 15" (TEMPORARY)	FOOT	146	146													

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Rev. 7-18-14

FILE NAME : S:\1506\CA00 Sheets\0162517-ehi-500.dgn	USER NAME : .\USERNAME.	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A. RTE. 305	SECTION 27R-3	COUNTY MCHENRY	TOTAL SHEETS 431	SHEET NO. 9		
PLOT SCALE * 100.0000' / 1" =	CHECKED -	REVISED -	SCALE: NONE			SHEET NO. 9 OF 431 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT				
PLOT DATE * 8/17/2014	DATE -	REVISED -										

URBAN SUMMARY OF QUANTITIES

PAY CODE	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	TRAFFIC SIGNALS											WATER MAIN AND SANITARY SEWER	
				ROADWAY		SHARED-USE PATH	LIGHTING	US 14 & LUCAS ROAD	US 14 & RIDGEFIELD ROAD SOUTH	US 14 & IL 176	US 14 & WOODSTOCK STREET	US 14 & CRYSTAL LAKE AVE	EMERGENCY VEHICLE PROTECTION/ILLUMINATED STREET NAME SIGNS	INTERCONNECT	100% STATE	100% CRYSTAL LAKE
				100% STATE	MCHENRY COUNTY COLLEGE 100%	80% STATE 20% MCHENRY COUNTY COLLEGE	100% STATE	MCHENRY COUNTY COLLEGE 100%	93.3% STATE 6.7% MCHENRY COUNTY	100% STATE	90% STATE 10% CRYSTAL LAKE	90% STATE 10% CRYSTAL LAKE	100% CRYSTAL LAKE	100% STATE	100% STATE	100% CRYSTAL LAKE
				0003	0003	0028	0021	0021	0021	0021	0021	0021	0021	0021	0043	0043
5421D018	PIPE CULVERTS, CLASS D, TYPE 1 18" (TEMPORARY)	FOOT	205	205												
542A0217	PIPE CULVERTS, CLASS A, TYPE 1 12"	FOOT	42	42												
542A0220	PIPE CULVERTS, CLASS A, TYPE 1 15"	FOOT	195	195												
542A5479	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24"	FOOT	99	99												
542A5482	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 27"	FOOT	256	256												
542A5485	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 30"	FOOT	110	110												
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	2,082	2,082												
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	436	436												
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	608	608												
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	200	200												
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	7,560	7,560												
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	1,773	1,773												
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	2,278	2,278												
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	2,430	2,430												
550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	1,797	1,797												

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Rev. 7-18-14

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PLOT SCALE = 100.0000 1" = 100'	CHECKED -	REVISED -	SCALE: NONE			SHEET NO. 10 OF 431 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT			
PLOT DATE = 6/17/2014	DATE -	REVISED -									

URBAN
SUMMARY OF QUANTITIES

PAY CODE	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	TRAFFIC SIGNALS											WATER MAIN AND SANITARY SEWER	
				ROADWAY		SHARED-USE PATH	LIGHTING	US 14 & LUCAS ROAD	US 14 & RIDGEFIELD ROAD SOUTH	US 14 & IL 176	US 14 & WOODSTOCK STREET	US 14 & CRYSTAL LAKE AVE	EMERGENCY VEHICLE PROTECTION/ILLUMINATED STREET NAME SIGNS	INTERCONNECT	100% STATE	100% CRYSTAL LAKE
				100% STATE	MCHENRY COUNTY COLLEGE 100%	80% STATE 20% MCHENRY COUNTY	100% STATE	MCHENRY COUNTY COLLEGE 100%	93.3% STATE 6.7% MCHENRY COUNTY	100% STATE	90% STATE 10% CRYSTAL LAKE	90% STATE 10% CRYSTAL LAKE	100% CRYSTAL LAKE	100% STATE	100% STATE	100% CRYSTAL LAKE
				0003	0003	0028	0021	0021	0021	0021	0021	0021	0021	0021	0043	0043
550A0480	STORM SEWERS, CLASS A, TYPE 2 48"	FOOT	546	546												
550A4000	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 18"	FOOT	396	396												
550A4100	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24"	FOOT	127	127												
550A4500	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 36"	FOOT	353	353												
550A4800	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 18"	FOOT	1,116	1,116												
550A4900	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 24"	FOOT	1,639	1,639												
550A5000	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 27"	FOOT	33	33												
550A5100	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 30"	FOOT	719	719												
55100400	STORM SEWER REMOVAL 10"	FOOT	254	254												
55100500	STORM SEWER REMOVAL 12"	FOOT	1,030	1,030												
55100700	STORM SEWER REMOVAL 15"	FOOT	499	499												
55100900	STORM SEWER REMOVAL 18"	FOOT	506	506												
56100005	DUCTILE IRON WATER MAIN TEE, 6" X 6"	EACH	1													1
56100015	DUCTILE IRON WATER MAIN TEE, 8" X 6"	EACH	1													1
56100050	DUCTILE IRON WATER MAIN TEE, 12" X 6"	EACH	11													11

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Rev. 7-18-14

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				100% STATE	MCHENRY COUNTY COLLEGE 100%	80% STATE 20% MCHENRY COUNTY COLLEGE	100% STATE	US 14 & LUCAS ROAD	US 14 & RIDGEFIELD ROAD SOUTH	US 14 & IL 176	US 14 & WOODSTOCK STREET	US 14 & CRYSTAL LAKE AVE	EMERGENCY VEHICLE PROTECTION/ILLUMINATED STREET NAME SIGNS	INTERCONNECT	100% STATE	100% CRYSTAL LAKE	
				0003	0003	0028	0021	0021	0021	0021	0021	0021	0021	0021	0021	0043	0043
* 87700240	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1										1				
* 87700260	STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1										1				
* 87700270	STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	2					1				1					
* 87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	2							1		1					
* 87700300	STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	2					1		1							
* 87700330	STEEL MAST ARM ASSEMBLY AND POLE, 56 FT.	EACH	1					1									
* 87700408	STEEL MAST ARM ASSEMBLY AND POLE, 64 FT.	EACH	1							1							
* 87700418	STEEL MAST ARM ASSEMBLY AND POLE, 68 FT.	EACH	1					1									
* 87702940	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.	EACH	1								1						
* 87702960	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.	EACH	1								1						
* 87702970	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT.	EACH	1								1						
* 87702985	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 52 FT.	EACH	1								1						
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	68						12	16	16	12	12				
* 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	20						4	4	4	4	4				
* 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	206						28	28	54	48	48				

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PLOT SCALE = 100.0000' / 1" =	DRAWN -	REVISED -														
PLOT DATE = 6/17/2014	CHECKED -	REVISED -														
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Rev. 7-18-14

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PAY CODE	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	TRAFFIC SIGNALS											WATER MAIN AND SANITARY SEWER		
				ROADWAY		SHARED-USE PATH	LIGHTING	US 14 & LUCAS ROAD	US 14 & RIDGEFIELD ROAD SOUTH	US 14 & IL 176	US 14 & WOODSTOCK STREET	US 14 & CRYSTAL LAKE AVE	EMERGENCY VEHICLE PROTECTION/ILLUMINATED STREET NAME SIGNS	INTERCONNECT	100% STATE	100% CRYSTAL LAKE	
				100% STATE	MCHENRY COUNTY COLLEGE 100%	80% STATE 20% MCCD	100% STATE	MCHENRY COUNTY COLLEGE 100%	93.3% STATE 6.7% MCHENRY COUNTY	100% STATE	90% STATE <i>51. McHenry Co</i>	90% STATE CRYSTAL LAKE	100% CRYSTAL LAKE	100% STATE	100% STATE	100% CRYSTAL LAKE	
0003	0003	0028	0021	0021	0021	0021	0021	0021	0021	0021	0021	0043	0043				
87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	67					46	21								
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	38					7	7	8	8	8					
88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6						2		2	2					
88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	8					4			2	2					
88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	11					4	1	2	2	2					
88030210	SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3						1	2							
88030240	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	3						1	2							
88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	14					2			6	6					
88102747	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2								1	1					
88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	49					11	8	10	10	10					
88500100	INDUCTIVE LOOP DETECTOR	EACH	47					11	6	16	6	8					
88600100	DETECTOR LOOP, TYPE I	FOOT	1,204								612	592					
88600700	PREFORMED DETECTOR LOOP	FOOT	1,976					694	513	769							
88700200	LIGHT DETECTOR	EACH	13										13				
88700300	LIGHT DETECTOR AMPLIFIER	EACH	5										5				

* SPECIALTY ITEM

Rev. 7-18-14

URBAN SUMMARY OF QUANTITIES

PAY CODE	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	TRAFFIC SIGNALS											WATER MAIN AND SANITARY SEWER	
				ROADWAY		SHARED-USE PATH	LIGHTING	US 14 & LUCAS ROAD	US 14 & RIDGEFIELD ROAD SOUTH	US 14 & IL 176	US 14 & WOODSTOCK STREET	US 14 & CRYSTAL LAKE AVE	EMERGENCY VEHICLE PROTECTION/ILLUMINATED STREET NAME SIGNS	INTERCONNECT	100% STATE	100% CRYSTAL LAKE
				100% STATE	MCHENRY COUNTY COLLEGE 100%	80% STATE 20% M.C.C.D.	100% STATE	MCHENRY COUNTY COLLEGE 100%	93.3% STATE 6.7% MCHENRY COUNTY	100% STATE	90% STATE 10% CRYSTAL LAKE	90% STATE 10% CRYSTAL LAKE	100% CRYSTAL LAKE	100% STATE	100% STATE	100% CRYSTAL LAKE
				0003	0003	0028	0021	0021	0021	0021	0021	0021	0021	0021	0043	0043
X0326712	ABANDON AND FILL EXISTING SANITARY SEWER	EACH	2													2
X0326713	SANITARY SEWER CONNECTION	EACH	2												1	1
X0327024	FIRE HYDRANTS TO BE REMOVED & SALVAGED	EACH	8													8
X0327094	VALVE BOX 6"	EACH	2													2
X0327353	STORMWATER TREATMENT SYSTEM LOCATION NO. 1	L SUM	1	1												
X0327354	STORMWATER TREATMENT SYSTEM LOCATION NO. 2	L SUM	1	1												
X0327392	WOOD POLE, 60 FT, CLASS 4	EACH	1				1									
X0327698	LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	19		4								15			
X0840000	SANITARY SEWER REMOVAL 8"	FOOT	174													174
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	19	19												
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	28	28												
X4023000	TEMPORARY ACCESS (ROAD)	EACH	5	5												
X4024100	TEMPORARY ACCESS (WINTERIZE)	SQ YD	3,294	3,294												
X4060110	BITUMINOUS MATERIALS (PRIME COAT)	POUND	259,660	254,010	5,650											
X5610012	CAP EXISTING WATER MAIN	EACH	2													2

* SPECIALTY ITEM

REV. 7-18-14

URBAN SUMMARY OF QUANTITIES

PAY CODE	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	TRAFFIC SIGNALS											WATER MAIN AND SANITARY SEWER		
				ROADWAY		SHARED-USE PATH	LIGHTING	US 14 & LUCAS ROAD	US 14 & RIDGEFIELD ROAD SOUTH	US 14 & IL 176	US 14 & WOODSTOCK STREET	US 14 & CRYSTAL LAKE AVE	EMERGENCY VEHICLE PROTECTION/ILLUMINATED STREET NAME SIGNS	INTERCONNECT	100% STATE	100% CRYSTAL LAKE	
				100% STATE	MCHENRY COUNTY COLLEGE 100%	80% STATE 20% MCHENRY COUNTY	100% STATE	MCHENRY COUNTY COLLEGE 100%	93.3% STATE 6.7% MCHENRY COUNTY	100% STATE	90% STATE 10% CRYSTAL LAKE	90% STATE 10% CRYSTAL LAKE	100% CRYSTAL LAKE	100% STATE	100% STATE	100% CRYSTAL LAKE	
				0003	0003	0028	0021	0021	0021	0021	0021	0021	0021	0021	0021	0043	0043
X5610646	PLUG WATER MAIN 6"	EACH	1														1
X5610649	PLUG WATER MAIN 12"	EACH	1														1
X5610651	ABANDON EXISTING WATER MAIN, FILL WITH CLSM	FOOT	2,434														2,434
X5610706	WATER MAIN REMOVAL, 6"	FOOT	45														45
X5610708	WATER MAIN REMOVAL, 8"	FOOT	140														140
X5610710	WATER MAIN REMOVAL, 10"	FOOT	5														5
X5610716	WATER MAIN REMOVAL, 16"	FOOT	20														20
X5610748	WATER MAIN LINE STOP 8"	EACH	2														2
X5610750	WATER MAIN LINE STOP 10"	EACH	1														1
X5610756	WATER MAIN LINE STOP 16"	EACH	1														1
X5620030	WATER SERVICE CONNECTION 1"	EACH	11														11
X5620096	WATER SERVICE LINE 1", (BORED)	EACH	81														81
X5630706	CONNECTION TO EXISTING WATER MAIN 6"	EACH	3														3
X5630708	CONNECTION TO EXISTING WATER MAIN 8"	EACH	3														3
X5630710	CONNECTION TO EXISTING WATER MAIN 10"	EACH	2														2

* SPECIALTY ITEM

FILE NAME : S:\1606\CA00 Sheets\0162517-ah-500.dgn	USER NAME : USERNAME	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A. RTE. 305	SECTION 27R-3	COUNTY MCHENRY	TOTAL SHEETS 431	SHEET NO. 110
PLOT SCALE = 100.0000' / 1" =	CHECKED -	REVISED -	REVISED -		SCALE: NONE	SHEET NO. 110 OF 431 SHEETS	STA.	TO STA.	CONTRACT NO. 62517				
PLOT DATE = 6/17/2014	DATE -	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT								

Rev. 7-18-14

SUMMARY OF QUANTITIES

URBAN

PAY CODE	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY		SHARED-USE PATH	LIGHTING	TRAFFIC SIGNALS						WATER MAIN AND SANITARY SEWER				
				100% STATE	MCHENRY COUNTY COLLEGE 100%			80% STATE 20% MCCO	100% STATE	US 14 & LUCAS ROAD	US 14 & RIDGEFIELD ROAD SOUTH	US 14 & IL 176	US 14 & WOODSTOCK STREET	US 14 & CRYSTAL LAKE AVE	EMERGENCY VEHICLE PROTECTION ILLUMINATED STREET NAME SIGNS	INTERCONNECT	100% STATE	100% CRYSTAL LAKE
				0003	0003			0028	0021	0021	0021	0021	0021	0021	0021	0021	0043	0043
X5630716	CONNECTION TO EXISTING WATER MAIN 16"	EACH	1														1	
X6020096	MANHOLES, TYPE A, 6'-DIAMETER, WITH 2 TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	EACH	4	4														
X6022240	MANHOLES, TYPE A, 4'-DIAMETER, WITH SPECIAL FRAME, CLOSED LID	EACH	2	2														
X6022810	MANHOLES, SANITARY, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4													3	1	
X6022940	MANHOLES, TYPE A, 5'-DIAMETER, WITH SPECIAL FRAME, CLOSED LID	EACH	1	1														
X6024095	MANHOLES, TYPE A, 6'-DIAMETER, WITH SPECIAL FRAME, CLOSED LID	EACH	1	1														
X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	10														10	
X6026051	SANITARY MANHOLES TO BE RECONSTRUCTED	EACH	3														3	
X6026054	SANITARY MANHOLES TO BE REMOVED	EACH	1													1		
X6026055	SANITARY MANHOLE, SPECIAL	EACH	3													1	2	
X6026632	VALVE BOXES TO BE REMOVED	EACH	5														5	
X6061100	CONCRETE MEDIAN, TYPE SB (SPECIAL)	SO FT	13,961	13,961														
X6700410	ENGINEER'S FIELD OFFICE, TYPE A (SPECIAL)	CAL MQ	27	27														
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1														
X7030025	WET REFLECTIVE TEMPORARY TAPE, TYPE III - LETTERS AND SYMBOLS	SO FT	2,106	2,106														

* SPECIALTY ITEM

Rev. 7-18-14

FILE NAME : S:\1606\CA00 Sheets\0162517-hlt-500.dgn	USER NAME : .USERNAME.	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A. R.T.E. 305	SECTION 27R-3	COUNTY MCHENRY	TOTAL SHEETS 431	SHEET NO. 11P		
PLOT SCALE : 100.0000 1" = 100'	CHECKED -	REVISED -	SCALE: NONE			SHEET NO. 11P OF 431 SHEETS	STA.	TO STA.	CONTRACT NO. 62517			
PLOT DATE : 6/17/2014	DATE -	REVISED -	[ILLINOIS] FED. AID PROJECT									

SUMMARY OF QUANTITIES

URBAN

PAY CODE	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	TRAFFIC SIGNALS													
				ROADWAY			SHARED-USE PATH	LIGHTING	US 14 & LUCAS ROAD	US 14 & RIDGEFIELD ROAD SOUTH	US 14 & IL 176	US 14 & WOODSTOCK STREET	US 14 & CRYSTAL LAKE AVE	EMERGENCY VEHICLE PROTECTION ILLUMINATED STREET NAME SIGNS	INTERCONNECT	WATER MAIN AND SANITARY SEWER	
				100% STATE	MCHENRY COUNTY COLLEGE 100%	80% STATE 20% MCHENRY COUNTY			100% STATE	MCHENRY COUNTY COLLEGE 100%	93.3% STATE 6.7% MCHENRY COUNTY	100% STATE	90% STATE 10% CRYSTAL LAKE			80% STATE 20% CRYSTAL LAKE	100% CRYSTAL LAKE
0003	0003	0028	0021	0021	0021	0021	0021	0021	0021	0021	0021	0021	0043	0043			
X7030030	WET REFLECTIVE TEMPORARY TAPE TYPE III, 4 INCH	FOOT	157,339	157,339													
X7030040	WET REFLECTIVE TEMPORARY TAPE TYPE III, 6 INCH	FOOT	5,784	5,784													
X7030050	WET REFLECTIVE TEMPORARY TAPE TYPE III, 12 INCH	FOOT	1,690	1,690													
X7030055	WET REFLECTIVE TEMPORARY TAPE TYPE III, 24 INCH	FOOT	1,429	1,429													
* X8210453	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT, 240 VOLT, <i>INSTALL ONLY</i>	EACH	23														
* X8570226	FULL-ACTUATED CONTROLLER AND CABINET, TYPE IV, SPECIAL	EACH	3							1	1			1			
* X8570231	FULL-ACTUATED CONTROLLER AND CABINET, TYPE V, SPECIAL	EACH	1									1					
* X8600105	MASTER CONTROLLER (SPECIAL)	EACH	1									1					
* X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	5							1	1	1	1	1			
* X8730250	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	3,117												3,117		
* X8950075	REMOVE EXISTING LIGHTING CONTROLLER AND SALVAGE	EACH	1														
* X8950077	REMOVE AND RELOCATE EXISTING LIGHTING CONTROLLER	EACH	1														
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1													
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	129	129													
* Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	22														

* SPECIALTY ITEM

Rev. 7-18-14

URBAN SUMMARY OF QUANTITIES

PAY CODE	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	TRAFFIC SIGNALS													WATER MAIN AND SANITARY SEWER		
				ROADWAY		SHARED-USE PATH	LIGHTING	US 14 & LUCAS ROAD	US 14 & RIDGEFIELD ROAD SOUTH	US 14 & IL 176	US 14 & WOODSTOCK STREET	US 14 & CRYSTAL LAKE AVE	EMERGENCY VEHICLE PROTECTION/ILLUMINATED STREET NAME SIGNS	INTERCONNECT	100% STATE	100% CRYSTAL LAKE			
				100% STATE	MCHERRY COUNTY COLLEGE 100%	80% STATE 20% MCO	100% STATE	MCHERRY COUNTY COLLEGE 100%	93.3% STATE 6.7% MCHERRY COUNTY	100% STATE	90% STATE <i>St. Crystal Lake</i> <i>St. McHenry</i>	90% STATE CRYSTAL LAKE	100% CRYSTAL LAKE	100% STATE	100% STATE	100% CRYSTAL LAKE			
0003	0003	0028	0021	0021	0021	0021	0021	0021	0021	0021	0021	0043	0043						
* Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1																
Z0033056	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1																
Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	358	358															
Z0056610	STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH	FOOT	38	38															
Z0056612	STORM SEWER (WATER MAIN REQUIREMENTS) 18 INCH	FOOT	152	152															
Z0056616	STORM SEWER (WATER MAIN REQUIREMENTS) 24 INCH	FOOT	93	93															
Z0056620	STORM SEWER (WATER MAIN REQUIREMENTS) 30 INCH	FOOT	44	44															
Z0056900	SANITARY SEWER 8"	FOOT	400														168	232	
Z0057200	SANITARY SEWER 15"	FOOT	79														79		
Z0062456	TEMPORARY PAVEMENT	SO YD	23,812	23,812															
Z0065740	SLOTTED DRAIN 12" WITH VARIABLE SLOT	FOOT	47	47															
Z0067900	STEEL CASINGS 24"	FOOT	108																108
Z0073345	SLEEPER SLAB	FOOT	671	671															
Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	5						1	1	1	1	1						
φ Z0076604	TRAINEE'S- TRAINING PROGRAM GRADUATE	HOUR	1500	1500															
48101618	AGGREGATE SHOULDERS, TYPE B 9 3/4"	SO YD	162	162															
48101610	AGGREGATE SHOULDERS, TYPE B 9"	SO YD	1,551	1,169	382														

* SPECIALTY ITEM φ 0042

Rev. 7-18-14

URBAN SUMMARY OF QUANTITIES

PAY CODE	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	TRAFFIC SIGNALS											WATER MAIN AND SANITARY SEWER		
				ROADWAY		SHARED-USE PATH	LIGHTING	US 14 & LUCAS ROAD	US 14 & RIDGEFIELD ROAD SOUTH	US 14 & IL 176	US 14 & WOODSTOCK STREET	US 14 & CRYSTAL LAKE AVE	EMERGENCY VEHICLE PROTECTION/ILLUMINATED STREET NAME SIGNS	INTERCONNECT	100% STATE	100% CRYSTAL LAKE	
				100% STATE	MCHENRY COUNTY COLLEGE 100%	80% STATE 20% MCHENRY COUNTY	100% STATE	MCHENRY COUNTY COLLEGE 100%	93.3% STATE 6.7% MCHENRY COUNTY	100% STATE	90% STATE <i>St. Crystal Lake MCHENRY COUNTY</i>	90% STATE CRYSTAL LAKE	100% CRYSTAL LAKE	100% STATE	100% STATE	100% CRYSTAL LAKE	
0003	0003	0028	0021	0021	0021	0021	0021	0021	0021	0021	0021	0043	0043				
35600703	HOT-MIX ASPHALT BASE COURSE WIDENING, 6 3/4"	SO YD	418	418													
X0300558	SANITARY SEWER REMOVAL AND REPLACEMENT 8"	FOOT	10														10
X0401850	SANITARY SEWER REMOVAL, 15"	FOOT	84														84
X0327765	STORMWATER TREATMENT SYSTEM LOCATION NO. 3	L SUM	1	1													

* SPECIALTY ITEM

Rev. 7-18-14

SUMMARY OF QUANTITIES

URBAN

PAY CODE	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	TRAFFIC SIGNALS										WATER MAIN AND SANITARY SEWER			
				ROADWAY		SHARED-USE PATH	LIGHTING	US 14 & LUCAS ROAD	US 14 & RIDGEFIELD ROAD SOUTH	US 14 & IL 176	US 14 & WOODSTOCK STREET	US 14 & CRYSTAL LAKE AVE	EMERGENCY VEHICLE PROTECTION/ILLUMINATED STREET NAME SIGNS	INTERCONNECT	100% STATE	100% CRYSTAL LAKE	
				100% STATE	MCHENRY COUNTY COLLEGE 100%	80% STATE 20% MCHENRY COUNTY	100% STATE	MCHENRY COUNTY COLLEGE 100%	93.3% STATE 6.7% MCHENRY COUNTY	100% STATE	90% STATE 10% CRYSTAL LAKE	90% STATE 10% CRYSTAL LAKE	100% CRYSTAL LAKE	100% STATE	100% STATE	100% CRYSTAL LAKE	
				0003	0003	0028	0021	0021	0021	0021	0021	0021	0021	0021	0043	0043	
56100055	DUCTILE IRON WATER MAIN TEE, 12" X 8"	EACH	2														2
56100060	DUCTILE IRON WATER MAIN TEE, 12" X 10"	EACH	2														2
56100065	DUCTILE IRON WATER MAIN TEE, 12" X 12"	EACH	1														1
56101160	DUCTILE IRON WATER MAIN REDUCER, 12" X 8"	EACH	1														1
56101166	DUCTILE IRON WATER MAIN REDUCER, 16" X 12"	EACH	1														1
56103000	DUCTILE IRON WATER MAIN 6"	FOOT	203														203
56103100	DUCTILE IRON WATER MAIN 8"	FOOT	137														137
56103200	DUCTILE IRON WATER MAIN 10"	FOOT	126														126
56103300	DUCTILE IRON WATER MAIN 12"	FOOT	2,955														2,955
56104400	WATER VALVES 1"	EACH	1														1
56104900	WATER VALVES 6"	EACH	3														3
56105000	WATER VALVES 8"	EACH	3														3
56105100	WATER VALVES 10"	EACH	1														1
56105200	WATER VALVES 12"	EACH	7														7
56106500	ADJUSTING WATER MAIN 10"	FOOT	25														25

* SPECIALTY ITEM

Rev. 7-18-14

FILE NAME : S:\1606\CADD Sheets\0162517-sht-500.dgn	USER NAME : USERNAME	DESIGNED -	REVISIONS -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISIONS -	305			27R-3	MCHENRY	431	11A	
PLOT DATE = 6/17/2014	DATE -	REVISIONS -	CONTRACT NO. 62517			ILLINOIS FED. AID PROJECT				
SCALE: NONE		SHEET NO. 11A OF 431 SHEETS				STA.	TO STA.			

URBAN SUMMARY OF QUANTITIES

PAY CODE	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	TRAFFIC SIGNALS											WATER MAIN AND SANITARY SEWER		
				ROADWAY		SHARED-USE PATH	LIGHTING	US 14 & LUCAS ROAD	US 14 & RIDGEFIELD ROAD SOUTH	US 14 & IL 176	US 14 & WOODSTOCK STREET	US 14 & CRYSTAL LAKE AVE	EMERGENCY VEHICLE PROTECTION/ILLUMINATED STREET NAME SIGNS	INTERCONNECT	100% STATE	100% CRYSTAL LAKE	
				100% STATE	MCHENRY COUNTY COLLEGE 100%	80% STATE 20% MCCD	100% STATE	MCHENRY COUNTY COLLEGE 100%	93.3% STATE 6.7% MCHENRY COUNTY	100% STATE	90% STATE <i>5% Crystal Lake 5% McHenry Co.</i>	80% STATE 20% CRYSTAL LAKE	100% CRYSTAL LAKE	100% STATE	100% STATE	100% CRYSTAL LAKE	
				0003	0003	0028	0021	0021	0021	0021	0021	0021	0021	0021	0043	0043	
56109420	DUCTILE IRON WATER MAIN FITTINGS 8" 45.00 DEGREE BEND	EACH	2														2
56109422	DUCTILE IRON WATER MAIN FITTINGS 10" 45.00 DEGREE BEND	EACH	4														4
56109424	DUCTILE IRON WATER MAIN FITTINGS 12" 45.00 DEGREE BEND	EACH	15														15
56109432	DUCTILE IRON WATER MAIN FITTINGS 6" 90.00 DEGREE BEND	EACH	1														1
56200300	WATER SERVICE LINE 1"	FOOT	170														170
56201400	CORPORATION STOPS 1"	EACH	1														1
56300100	ADJUSTING SANITARY SEWERS, 8-INCH DIAMETER OR LESS	FOOT	105														105
56400100	FIRE HYDRANTS TO BE MOVED	EACH	2														2
56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	11														11
60107600	PIPE UNDERDRAINS 4"	FOOT	2,666	2,666													
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	167	167													
60201330	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE	EACH	1	1													
60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	60	60													
60205040	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	8	8													
60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	7	7													

* SPECIALTY ITEM

Rev. 7-18-14

FILE NAME : S:\1606\CA00 Sheets\0162517-sht-500.dgn	USER NAME : .\USERNAME	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A. RTE. 305	SECTION 27R-3	COUNTY MCHENRY	TOTAL SHEETS 431	SHEET NO. 118	
PLOT SCALE * 100.0000 1" = 100'	CHECKED -	REVISED -	SCALE: NONE			SHEET NO. 118 OF 431 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT			
PLOT DATE * 6/17/2014	DATE -	REVISED -	CONTRACT NO. 62517								

URBAN SUMMARY OF QUANTITIES

PAY CODE	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	TRAFFIC SIGNALS											WATER MAIN AND SANITARY SEWER		
				ROADWAY		SHARED-USE PATH	LIGHTING	US 14 & LUCAS ROAD	US 14 & RIDGEFIELD ROAD SOUTH	US 14 & IL 176	US 14 & WOODSTOCK STREET	US 14 & CRYSTAL LAKE AVE.	EMERGENCY VEHICLE PROTECTION/ILLUMINATED STREET NAME SIGNS	INTERCONNECT	100% STATE	100% CRYSTAL LAKE	
				100% STATE	MCHENRY COUNTY COLLEGE 100%	80% STATE 20% MCHENRY COUNTY	100% STATE	MCHENRY COUNTY COLLEGE 100%	93.3% STATE 6.7% MCHENRY COUNTY	100% STATE	90% STATE 10% CRYSTAL LAKE	90% STATE 10% CRYSTAL LAKE	100% CRYSTAL LAKE	100% STATE	100% STATE	100% CRYSTAL LAKE	
				0003	0003	0028	0021	0021	0021	0021	0021	0021	0021	0021	0021	0043	0043
60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	EACH	49	49													
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	55	55													
60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	1	1													
60219540	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	1	1													
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	63	63													
60222240	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	4	4													
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	6	6													
60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2													
60224449	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	1	1													
60224469	MANHOLES, TYPE A, 9'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1													
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	10	10													
60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	1	1													
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	66	66													
60240301	INLETS, TYPE B, TYPE 8 GRATE	EACH	1	1													
60240310	INLETS, TYPE B, TYPE 11 FRAME AND GRATE	EACH	3	3													

Rev. 7-18-14

* SPECIALTY ITEM

FILE NAME : S:\1606\CADD Sheets\0162517-11C-500.dgn	USER NAME : JUSERNAME	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A. RTE. 305	SECTION 27R-3	COUNTY MCHENRY	TOTAL SHEETS 431	SHEET NO. 11C	CONTRACT NO. 62517
PLOT SCALE : 100.0000' / 1"	CHECKED -	REVISED -	SCALE: NONE		SHEET NO. 11C OF 431 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT					
PLOT DATE : 6/17/2014	DATE -	REVISED -											

URBAN SUMMARY OF QUANTITIES

PAY CODE	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	TRAFFIC SIGNALS											WATER MAIN AND SANITARY SEWER		
				ROADWAY			SHARED-USE PATH	LIGHTING	US 14 & LUCAS ROAD	US 14 & RIDGEFIELD ROAD SOUTH	US 14 & IL 176	US 14 & WOODSTOCK STREET	US 14 & CRYSTAL LAKE AVE	EMERGENCY VEHICLE PROTECTION/ILLUMINATED STREET NAME SIGNS	INTERCONNECT	100% STATE	100% CRYSTAL LAKE
				100% STATE	MCHENRY COUNTY COLLEGE 100%	80% STATE 20% MCO	100% STATE	MCHENRY COUNTY COLLEGE 100%	93.3% STATE 6.7% MCHENRY COUNTY	100% STATE	90% STATE 10% CRYSTAL LAKE	100% CRYSTAL LAKE	100% STATE	100% STATE	100% STATE	100% CRYSTAL LAKE	
				0003	0003	0028		0021	0021	0021	0021	0021	0021	0021	0021	0043	0043
60240328	INLETS, TYPE B, TYPE 24 FRAME AND GRATE	EACH	24	24													
60248700	VALVE VAULTS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1														1
60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3														3
60249010	VALVE VAULTS, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	8														8
60250200	CATCH BASINS TO BE ADJUSTED	EACH	2	2													
60255500	MANHOLES TO BE ADJUSTED	EACH	16	16													
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	7														7
60500040	REMOVING MANHOLES	EACH	15	15													
60500050	REMOVING CATCH BASINS	EACH	56	56													
60500060	REMOVING INLETS	EACH	4	4													
60500080	REMOVING CATCH BASINS TO MAINTAIN FLOW	EACH	3	3													
60500090	REMOVING INLETS TO MAINTAIN FLOW	EACH	1	1													
60500405	FILLING VALVE VAULTS	EACH	4														4
60600605	CONCRETE CURB, TYPE B	FOOT	1,611	1,440	127	44											
60603800	COMBINATION CONCRETE CURB AND CUTTER, TYPE B-6.12	FOOT	2,603	2,133	470												

* SPECIALTY ITEM

Rev. 7-18-14

FILE NAME = 5:\1506\10400 Sheets\162517-111-500.dgn	USER NAME = USERNAME	DESIGNED -	REVISIONS -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 100.0000' / 1" =	DRAWN -	REVISIONS -	305					27R-3	MCHENRY	431	110	
PLOT DATE = 6/17/2014	CHECKED -	REVISIONS -	SCALE: NONE SHEET NO. 110 OF 431 SHEETS STA. TO STA.				CONTRACT NO. 62517					
	DATE -	REVISIONS -	ILLINOIS FED. AID PROJECT									

SUMMARY OF QUANTITIES

URBAN

PAY CODE	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	TRAFFIC SIGNALS											WATER MAIN AND SANITARY SEWER	
				ROADWAY		SHARED-USE PATH	LIGHTING	US 14 & LUCAS ROAD	US 14 & RIDGEFIELD ROAD SOUTH	US 14 & IL 176	US 14 & WOODSTOCK STREET	US 14 & CRYSTAL LAKE AVE	EMERGENCY VEHICLE PROTECTION/ILLUMINATED STREET NAME SIGNS	INTERCONNECT	100% STATE	100% CRYSTAL LAKE
				100% STATE	MCHENRY COUNTY COLLEGE 100%	80% STATE 20% MCCC	100% STATE	MCHENRY COUNTY COLLEGE 100%	93.3% STATE 6.7% MCHENRY COUNTY	100% STATE	90% STATE <i>51 Crystal Lake</i> <i>61 McHenry Co.</i>	90% STATE	100% CRYSTAL LAKE	100% STATE	100% STATE	100% CRYSTAL LAKE
				0003	0003	0028	0021	0021	0021	0021	0021	0021	0021	0043	0043	
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	44,791	44,771	20											
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	29,727	29,727												
61100500	EXPLORATION TRENCH 52" DEPTH	FOOT	796	796												
61101020	STORM SEWERS PROTECTED, CLASS A, 18"	FOOT	496	496												
61133300	FIELD TILE JUNCTION VAULTS, 4' DIA.	EACH	7	7												
61140600	STORM SEWERS (SPECIAL), 18"	FOOT	550	550												
63200310	GUARDRAIL REMOVAL	FOOT	48	48												
66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	1,240	1,240												
66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1	1												
66900530	SOIL DISPOSAL ANALYSIS	EACH	3	3												
67100100	MOBILIZATION	L SUM	1	1												
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	730	730												
70106800	CHANGEABLE MESSAGE SIGN	CAL MC	48	48												
70300100	SHORT TERM PAVEMENT MARKING	FOOT	2,310	2,310												
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	41,088	41,088												

Rev. 7-18-14

* SPECIALTY ITEM

FILE NAME : S:\1606\C000 Sheets\0162517-ht-500.dgn	USER NAME : .USERNAME	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES		F.A. RATE: 305	SECTION 27R-3	COUNTY MCHENRY	TOTAL SHEETS 431	SHEET NO. 11E	CONTRACT NO. 62517	
PLOT SCALE * 100.0000 / 1"	CHECKED -	REVISED -	SCALE: NONE		SHEET NO. 11E OF 431 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT					
PLOT DATE * 6/17/2014	DATE -	REVISED -											

URBAN SUMMARY OF QUANTITIES

PAY CODE	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	TRAFFIC SIGNALS												WATER MAIN AND SANITARY SEWER	
				ROADWAY		SHARED-USE PATH	LIGHTING	US 14 & LUCAS ROAD	US 14 & RIDGEFIELD ROAD SOUTH	US 14 & IL 176	US 14 & WOODSTOCK STREET	US 14 & CRYSTAL LAKE AVE	EMERGENCY VEHICLE PROTECTION ILLUMINATED STREET NAME SIGNS	INTERCONNECT	100% STATE	100% CRYSTAL LAKE	
				100% STATE	MCHENRY COUNTY COLLEGE 100%	80% STATE 20% MCHENRY COUNTY	100% STATE	MCHENRY COUNTY COLLEGE 100%	93.3% STATE 6.7% MCHENRY COUNTY	100% STATE	90% STATE 10% CRYSTAL LAKE	90% STATE 10% CRYSTAL LAKE	100% CRYSTAL LAKE	100% STATE	100% STATE	100% CRYSTAL LAKE	
				0003	0003	0028	0021	0021	0021	0021	0021	0021	0021	0021	0043	0043	
* 72000100	SIGN PANEL - TYPE 1	SQ FT	1,120	987		73				30	30						
* 72000200	SIGN PANEL - TYPE 2	SQ FT	89	89													
* 72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	90	90													
* 72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	24	24													
* 72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	4	4													
* 72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	11	11													
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	2,145	2,018		127											
* 73000100	WOOD SIGN SUPPORT	FOOT	91	91													
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	411	338	73												
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	11,358	10,084	1,274												
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2,820	2,820													
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	444	324	120												
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	303	303													
* 78005100	EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	46			46											
* 78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	1,748			1,748											

* SPECIALTY ITEM

Rev. 7-18-14

URBAN SUMMARY OF QUANTITIES

PAY CODE	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY			SHARED-USE PATH	LIGHTING	TRAFFIC SIGNALS					WATER MAIN AND SANITARY SEWER				
				100% STATE	MCHENRY COUNTY COLLEGE 100%	80% STATE 20% M.C.C.D.			100% STATE	US 14 & LUCAS ROAD	US 14 & RIDGEFIELD ROAD SOUTH	US 14 & IL 176	US 14 & WOODSTOCK STREET	US 14 & CRYSTAL LAKE AVE	EMERGENCY VEHICLE PROTECTION/ILLUMINATED STREET NAME SIGNS	INTERCONNECT	100% STATE	100% CRYSTAL LAKE
				0003	0003	0028			0021	MCHENRY COUNTY COLLEGE 100%	93.3% STATE 6.7% MCHENRY COUNTY	100% STATE	90% STATE 10% CRYSTAL LAKE <i>54. Crystal Lake 54. McHenry</i>	90% STATE 10% CRYSTAL LAKE	100% CRYSTAL LAKE	100% STATE	0043	0043
78005180	EPOXY PAVEMENT MARKING - LINE 24"	FOOT	20				20											
78008200	POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	SO FT	1,368	1,368														
78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	13,765	13,765														
78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	8,800	8,680	120													
78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	2,020	2,020														
78008270	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	FOOT	539	539														
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	985	985														
78300100	PAVEMENT MARKING REMOVAL	SO FT	11,411	11,411														
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1				1											
80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1				1											
80500020	SERVICE INSTALLATION - POLE MOUNTED	EACH	5					1	1	1	1	1						
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	14,737					1020	648	1,660	610	834			9,965			
81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	489					20	375	45	16	33						
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	1,048				672	24	115	140	47	50						
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	2,239					478	254	680	452	375						

* SPECIALTY ITEM

Rev 7-18-14

SUMMARY OF QUANTITIES

URBAN

PAY CODE	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY		SHARED-USE PATH	LIGHTING	TRAFFIC SIGNALS					EMERGENCY VEHICLE PROTECTION ILLUMINATED STREET NAME SIGNS	INTERCONNECT	WATER MAIN AND SANITARY SEWER	
				100% STATE	MCHENRY COUNTY COLLEGE 100%			80% STATE 20% MCCC	100% STATE	US 14 & LUCAS ROAD	US 14 & RIDGEFIELD ROAD SOUTH	US 14 & IL 176			US 14 & WOODSTOCK STREET	US 14 & CRYSTAL LAKE AVE
				0003	0003	0028	0021	0021	0021	0021	0021	0021	0021	0021	0021	0043
81400100	HANDHOLE	EACH	39						5	4	7	4	4		15	
81400200	HEAVY-DUTY HANDHOLE	EACH	16						4	3	4	2	3			
81400300	DOUBLE HANDHOLE	EACH	9						2	1	2	2	2			
81603090	UNIT DUCT, 600V, 3-1C NO.4, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	4,500				4,500									
81702400	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 2	FOOT	80				80									
81800300	AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE	FOOT	4,700				4,700									
82102310	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 310 WATT	EACH	22				22									
82500360	LIGHTING CONTROLLER, BASE MOUNTED, 480VOLT, 100AMP	EACH	1				1									
83050810	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 15 FT. MAST ARM	EACH	18				18									
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	180				180									
83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	18				18									
84100110	REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	19				19									
84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	16				16									
84200804	REMOVAL OF POLE FOUNDATION	EACH	16				16									
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1													
86400100	TRANSCEIVER - FIBER OPTIC	EACH	5						1	1	1	1	1			

* SPECIALTY ITEM

Rev. 7-18-14

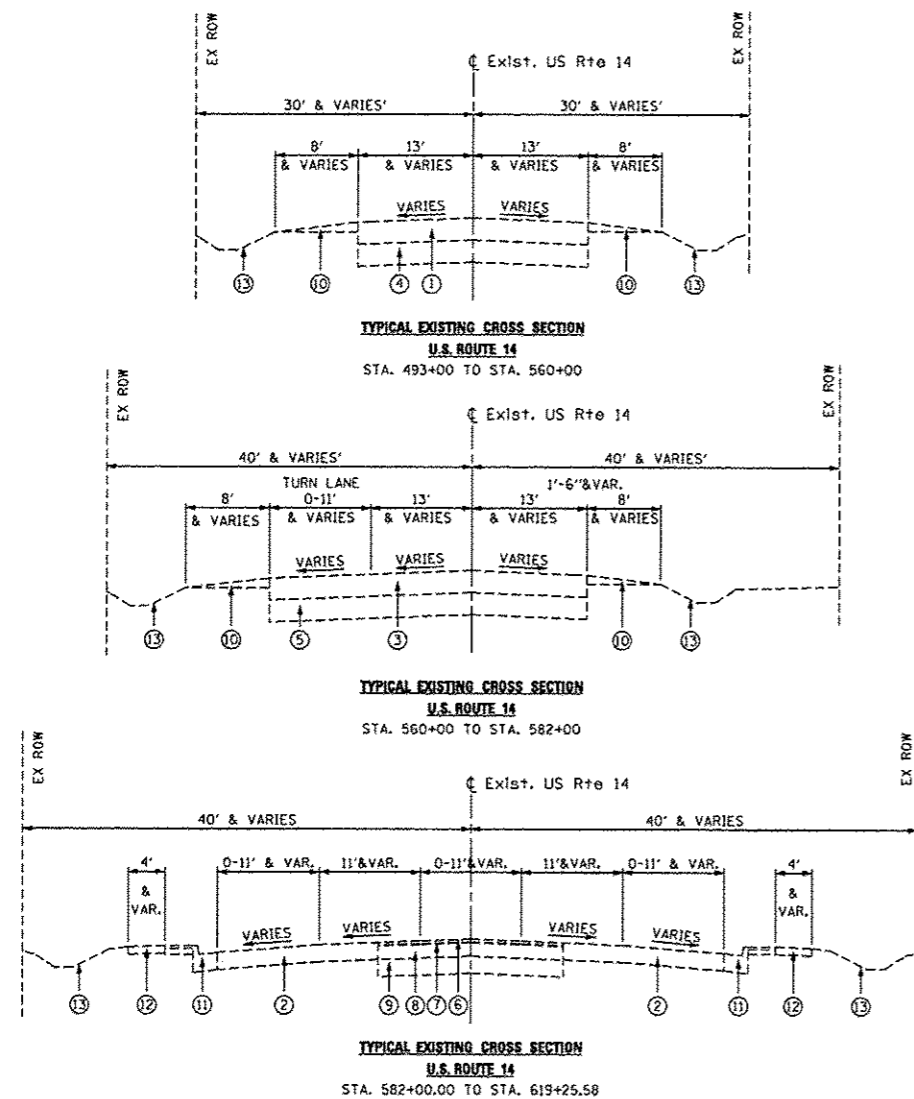
SUMMARY OF QUANTITIES

URBAN

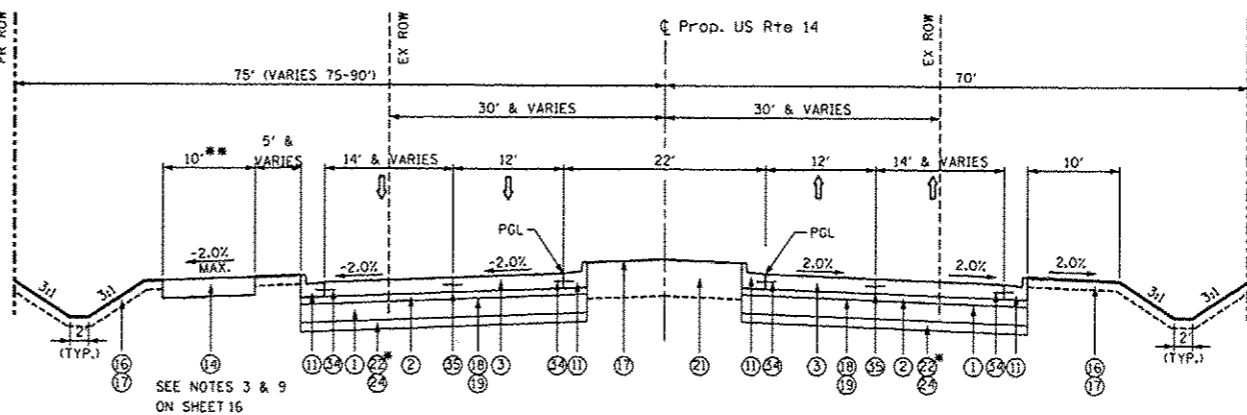
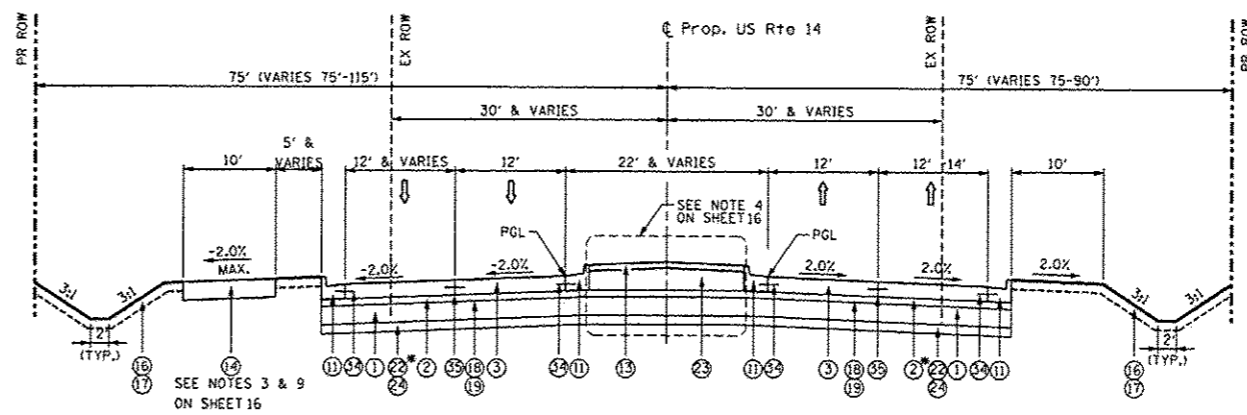
PAY CODE	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	TRAFFIC SIGNALS											WATER MAIN AND SANITARY SEWER		
				ROADWAY			SHARED-USE PATH	LIGHTING	US 14 & LUCAS ROAD	US 14 & RIDGEFIELD ROAD SOUTH	US 14 & IL 176	US 14 & WOODSTOCK STREET	US 14 & CRYSTAL LAKE AVE	EMERGENCY VEHICLE PROTECTION/ILLUMINATED STREET NAME SIGNS	INTERCONNECT	100% STATE	100% CRYSTAL LAKE
				100% STATE	MCHENRY COUNTY COLLEGE 100%	80% STATE 20% MCCD			100% STATE	MCHENRY COUNTY COLLEGE 100%	93.3% STATE 6.7% MCHENRY COUNTY	100% STATE	90% STATE 10% CRYSTAL LAKE <i>5% McHenry Co.</i>				
0003	0003	0028	0021	0021	0021	0021	0021	0021	0021	0021	0021	0021	0043	0043			
* X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F 3M24F	FOOT	14,157														
* 87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	14,157														
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2,719						195			1,356	1,168				
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	7,571						628			1,412	1,218	4,313			
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	10,334						1331	2,718	2,609	1,852	1,824				
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	5,622						1536	249	2,318	816	703				
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	12,513						2817	1,295	4,963	1,353	2,085				
* 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	380						72	134	39	44	91				
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	3,474						630	746	924	573	601				
* 87502480	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	6								2	2	1	1			
* 87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	10						3	1	2	2	2				
* 87502520	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1							1							
* 87601100	PEDESTRIAN PUSH-BUTTON POST, GALVANIZED STEEL, TYPE I	EACH	2									1	1				
* 87700220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	2									2					
* 87700230	STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	2										2				

* SPECIALTY ITEM

Rev. 7-18-14

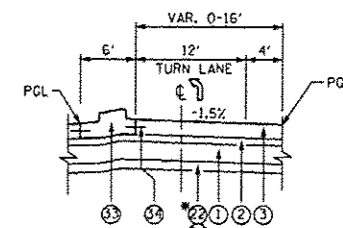


- EXISTING LEGEND**
- 1 EXISTING HMA PAVEMENT (VARIES 12"-18")
 - 2 EXISTING HMA PAVEMENT (VARIES 12"-16")
 - 3 EXISTING HMA PAVEMENT (VARIES 9"-12")
 - 4 EXISTING AGGREGATE SUBGRADE (VARIES 6"-18")
 - 5 EXISTING PCC PAVEMENT (VARIES 6"-8")
 - 6 EXISTING HMA SURFACE COURSE, 1 1/4"
 - 7 EXISTING HMA BINDER, 3/4"
 - 8 EXISTING HMA SURFACE, 5"
 - 9 EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 9"
 - 10 EXISTING AGGREGATE SHOULDER, 6"
 - 11 EXISTING COMBINATION CURB AND GUTTER, TYPE B-6.24
 - 12 EXISTING CONCRETE SIDEWALK
 - 13 EXISTING TOPSOIL, 6"

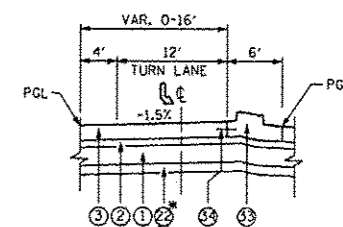


- PROPOSED LEGEND**
- 1 AGGREGATE SUBGRADE IMPROVEMENT 12"
 - 2 STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2"
 - 3 PORTLAND CEMENT CONCRETE PAVEMENT 9 3/4" (JOINTED)
 - 4 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
 - 5 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"
 - 6 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9"
 - 7 HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
 - 8 HOT-MIX ASPHALT SHOULDERS, 9"
 - 9 AGGREGATE SHOULDERS, TYPE B 9"
 - 10 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
 - 11 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - 12 HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
 - 13 CONCRETE MEDIAN SURFACE, 4 INCH
 - 14 M.C.C.D. BIKETRAIL (SEE NOTE 3 ON SHEET 16)
 - 15 PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
 - 16 PROPOSED TOPSOIL, 6" (SEE NOTE 6 ON SHEET 16)
 - 17 SEEDING, CLASS 2A
 - 18 BITUMINOUS MATERIALS (PRIME COAT)
 - 19 AGGREGATE (PRIME COAT)
 - 20 NOT USED
 - 21 TOPSOIL FURNISH AND PLACE, 24"
 - 22 POROUS GRANULAR EMBANKMENT
 - 23 COURSE AGGREGATE FILL
 - 24 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
 - 25 ADDITIONAL 1 FOOT PAVEMENT RECONSTRUCTION
 - 26 SODDING, SALT TOLERANT
 - 27 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
 - 28 HOT-MIX ASPHALT BASE COURSE WIDENING, 4 1/2"
 - 29 HOT-MIX ASPHALT BASE COURSE WIDENING, 9 1/4"
 - 30 PORTLAND CEMENT CONCRETE SHOULDERS 9 3/4"
 - 31 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (2 1/4")
 - 32 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 2 1/4"
 - 33 CONCRETE MEDIAN, TYPE SB (SPECIAL)
 - 34 NO. 6 EPOXY COATED TIE BARS 24" LONG AT 24" CTS
 - 35 LONGITUDINAL SAWED JOINT, WITH NO. 6 EPOXY COATED TIE BARS 30" LONG AT 30" CTS

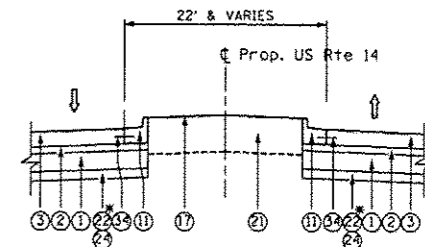
- DETAIL - TEMPORARY PAVEMENT**
(USED ON: US RTE 14, LUCAS RD, RIDGEFIELD RD SOUTH, LENNY DR, AND IL 176)
- 1 EXISTING PAVEMENT
 - 2 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (2")
 - 3 TEMPORARY PAVEMENT (HMA BINDER IL-19mm) (8 1/4")
 - 4 SUB-BASE GRANULAR MATERIAL, TYPE A 4"
- * USE 12" THICKNESS AT LOCATIONS OF UNSUITABLE SOILS (SEE SHEET 18 FOR SUBGRADE TREATMENT RECOMMENDATIONS SCHEDULE)
- ** MATCH EXISTING PAVEMENT SLOPE



* SEE PGES LIMITS ON SHEET 18



* SEE PGES LIMITS ON SHEET 18



* SEE PGES LIMITS ON SHEET 18

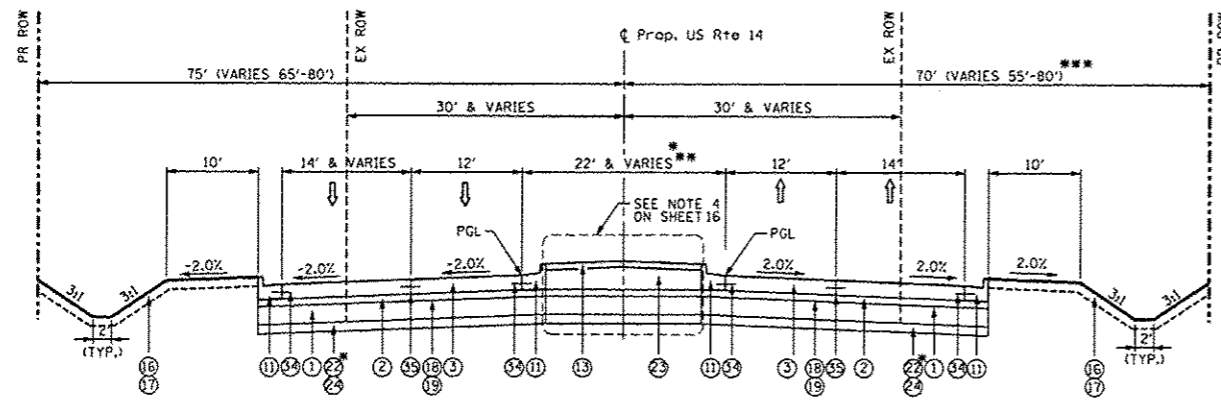
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	PLOT SCALE = 28,000 1/ IN.	CHECKED - MGZ	REVISED -
	PLOT DATE = 7/14/2014	DATE - 10/15/2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
U.S. ROUTE 14**

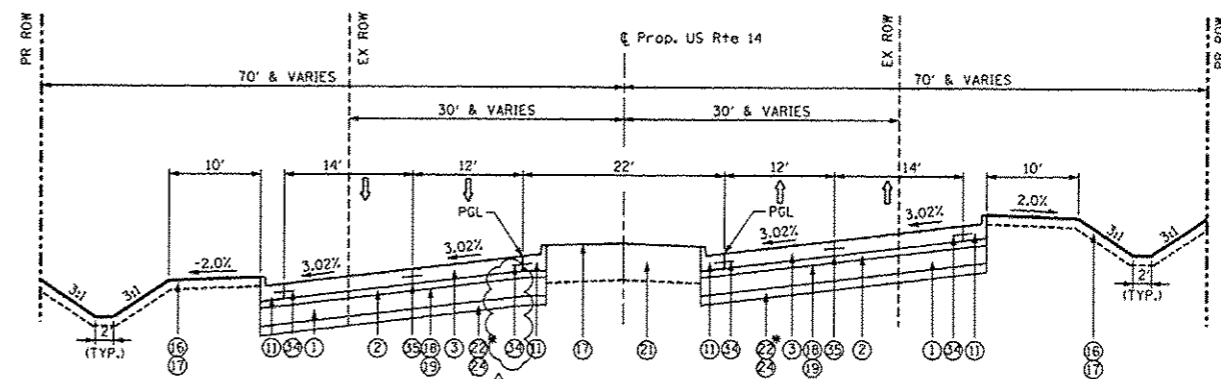
SCALE: NONE SHEET NO. 12 OF 431 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	27R-3	MCHENRY	431	12
			CONTRACT NO. 62517	
ILLINOIS FED. AID PROJECT				

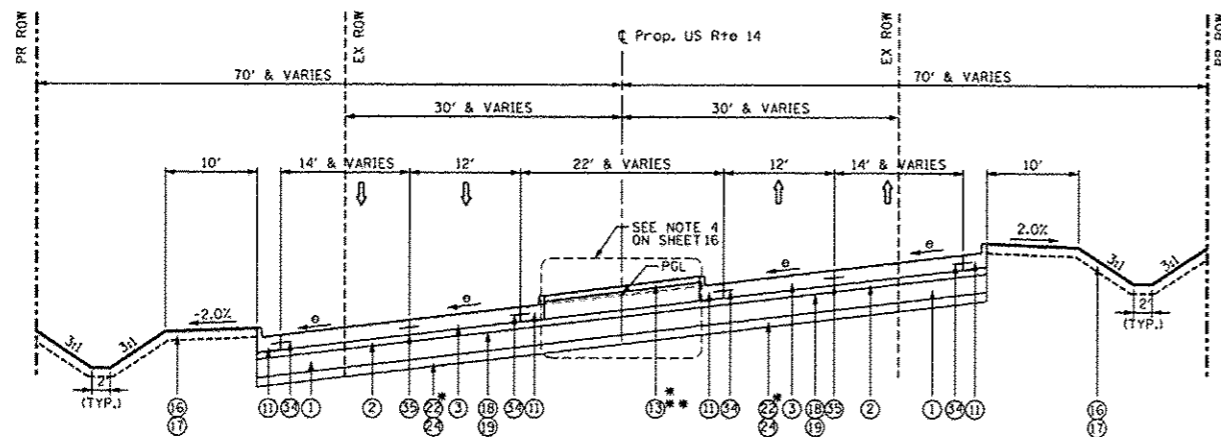


**TYPICAL PROPOSED CROSS SECTION
U.S. ROUTE 14**
STA. 512+14.37 TO STA. 517+63.93
STA. 535+77.04 TO STA. 552+35.81
STA. 562+64.41 TO STA. 564+31.33
STA. 580+32.78 TO STA. 599+00.00

* SEE PGES LIMITS ON SHEET 18
** MEDIANS WIDENS TO 30' WIDE AT IL 176 INTERSECTION.
*** DOES NOT INCLUDE EXISTING R.O.W. AND STORMWATER DETENTION LOCATIONS.

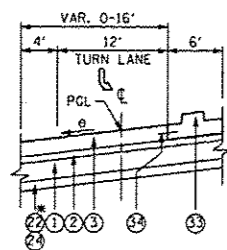


**TYPICAL PROPOSED CROSS SECTION
U.S. ROUTE 14**
STA. 552+35.81 TO STA. 562+64.41
* SEE PGES LIMITS ON SHEET 18

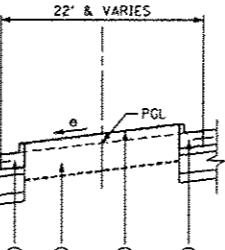
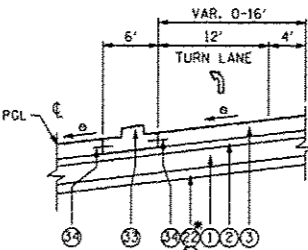


**TYPICAL PROPOSED CROSS SECTION
U.S. ROUTE 14**
STA. 517+63.93 TO STA. 535+77.04
STA. 564+31.33 TO STA. 580+32.78

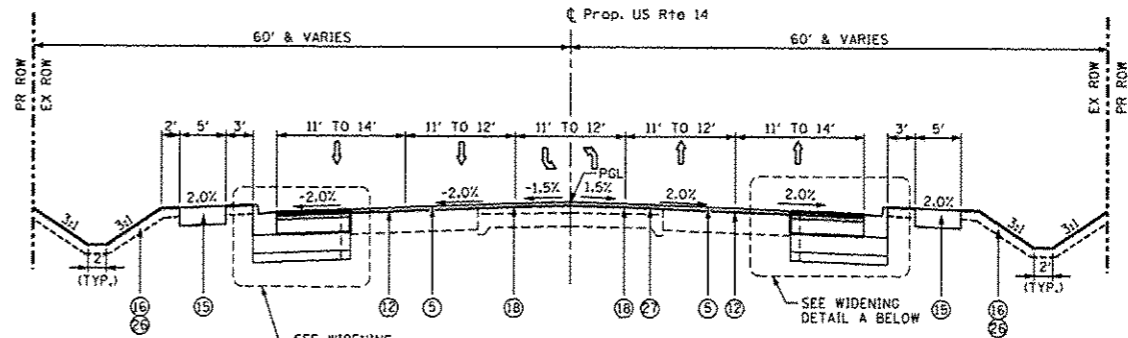
* SEE PGES LIMITS ON SHEET 18
** CONCRETE MEDIAN IS BEING SHOWN. SEE LANDSCAPED/CONCRETE MEDIAN LIMITS (ABOVE) AND LANDSCAPED MEDIAN DETAIL (BELOW) ON THIS SHEET.



MEDIAN TURNLANE DETAILS
* SEE PGES LIMITS ON SHEET 18



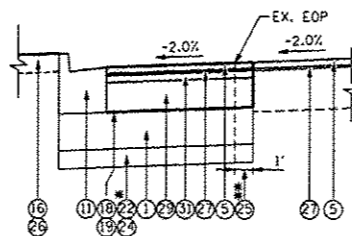
LANDSCAPED MEDIAN DETAIL



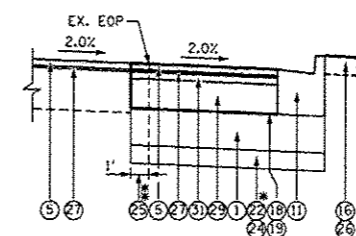
**TYPICAL PROPOSED CROSS SECTION
U.S. ROUTE 14**
STA. 599+00.00 TO STA. 619+25.58

PROPOSED LEGEND

- 1 AGGREGATE SUBGRADE IMPROVEMENT 12"
- 2 STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2"
- 3 PORTLAND CEMENT CONCRETE PAVEMENT 9 3/4" (JOINTED)
- 4 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- 5 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"
- 6 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9"
- 7 HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- 8 HOT-MIX ASPHALT SHOULDERS, 9"
- 9 AGGREGATE SHOULDERS, TYPE B 9"
- 10 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- 11 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- 12 HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- 13 CONCRETE MEDIAN SURFACE, 4 INCH
- 14 M.C.C.D. BIKE TRAIL (SEE NOTE 3 ON SHEET 16)
- 15 PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- 16 PROPOSED TOPSOIL, 6" (SEE NOTE 6 ON SHEET 16)
- 17 SEEDING, CLASS 2A
- 18 BITUMINOUS MATERIALS (PRIME COAT)
- 19 AGGREGATE (PRIME COAT)
- 20 NOT USED
- 21 TOPSOIL FURNISH AND PLACE, 24"
- 22 POROUS GRANULAR EMBANKMENT
- 23 COURSE AGGREGATE FILL
- 24 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
- 25 ADDITIONAL 1 FOOT PAVEMENT RECONSTRUCTION
- 26 SODDING, SALT TOLERANT
- 27 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, NS0 - 3/4"
- 28 HOT-MIX ASPHALT BASE COURSE WIDENING, 4 1/2"
- 29 HOT-MIX ASPHALT BASE COURSE WIDENING, 9 1/4"
- 30 PORTLAND CEMENT CONCRETE SHOULDERS 9 3/4"
- 31 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, NS0 (2 1/4")
- 32 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 2 1/4"
- 33 CONCRETE MEDIAN, TYPE SB (SPECIAL)
- 34 NO. 6 EPOXY COATED TIE BARS 24" LONG AT 24" CTS
- 35 LONGITUDINAL SAWED JOINT, WITH NO. 6 TIE BARS 30" LONG AT 30" CTS



WIDENING DETAIL B
* SEE PGES LIMITS ON SHEET 18
** SEE NOTE 2 ON SHEET 16.



WIDENING DETAIL A
* SEE PGES LIMITS ON SHEET 18
** SEE NOTE 2 ON SHEET 16.

NOTES:

1. UNLESS OTHERWISE NOTED, USE U.S. ROUTE 14 PAVEMENT FOR SIDEROADS.
2. 1' WIDE EXISTING PAVEMENT RECONSTRUCTION IN ADDITION TO THE EXISTING CURB AND GUTTER REMOVAL.

FILE NAME * S:\1626\CADD Sheets\0162517-whi-typical	USER NAME * USERNAME Addendum - VB1.dgn	DESIGNED - JPW	REVISED - 7/14/2014 HWL
PLOT SCALE * 20,000' / IN.	CHECKED - MGZ	DRAWN - JPW	REVISED -
PLOT DATE * 7/14/2014	DATE - 10/15/2013		REVISED -

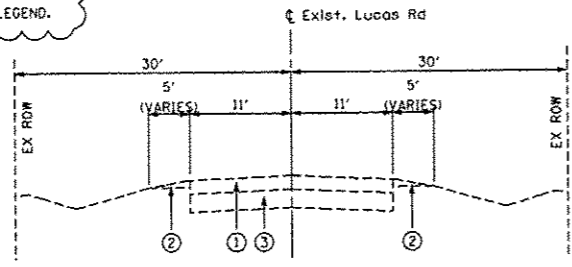
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
U.S. ROUTE 14**

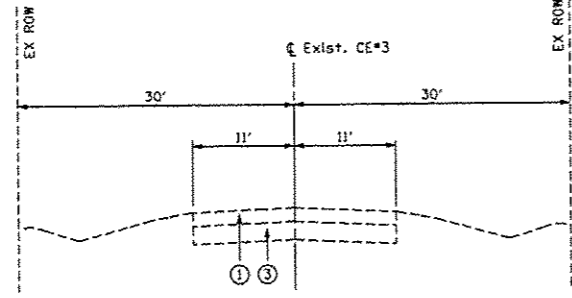
SCALE: NONE SHEET NO. 13 OF 431 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	27R-3	MCHENRY	431	13
			CONTRACT NO. 62517	
(ILLINOIS) FED. AID PROJECT				

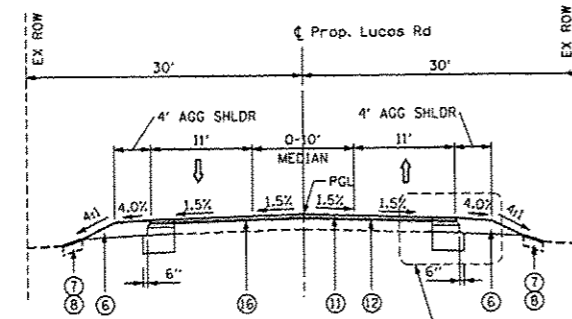
REVISIONS TO CC&G TYPE, PGE LIMIT CALLOUTS, PAVEMENT JOINTS, NOTES AND PROPOSED LEGEND.



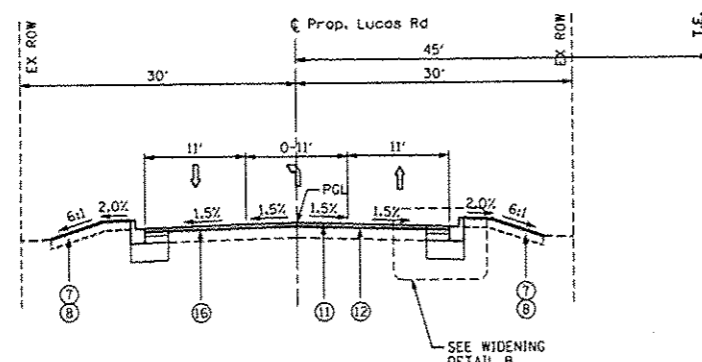
**TYPICAL EXISTING CROSS SECTION
LUCAS ROAD**
STA. 4+00.49 TO STA. 9+07.00



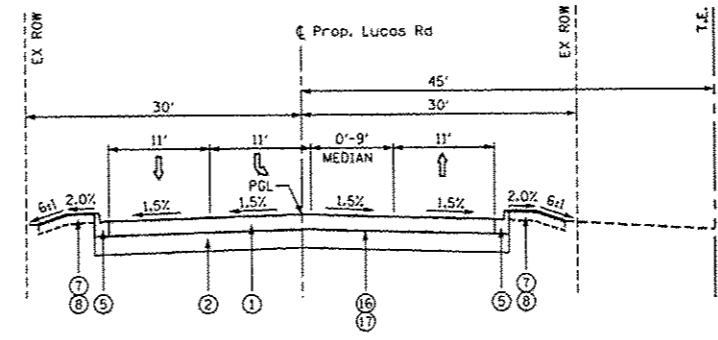
**TYPICAL EXISTING CROSS SECTION
COLLEGE ENTRANCE #3 (TARTON DR)**
STA. 10+92.20 TO STA. 13+70.73



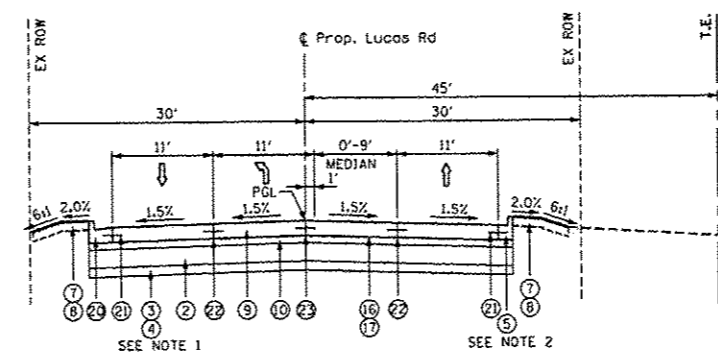
**TYPICAL PROPOSED CROSS SECTION
LUCAS ROAD**
STA. 3+27.60 TO STA. 6+00.00



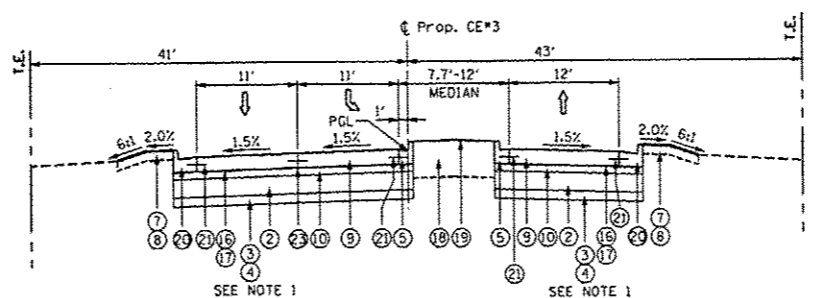
**TYPICAL PROPOSED CROSS SECTION
LUCAS ROAD**
STA. 6+00.00 TO STA. 6+50.00



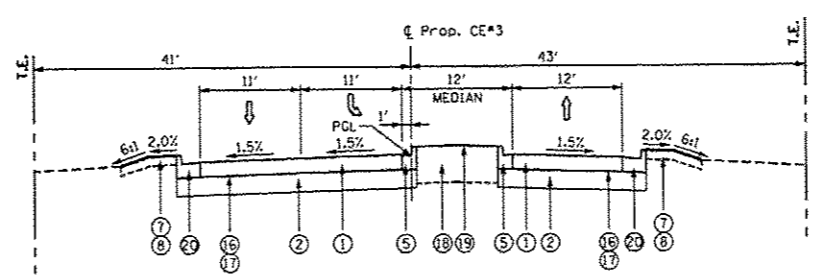
**TYPICAL PROPOSED CROSS SECTION
LUCAS ROAD**
STA. 6+50.00 TO STA. 8+38.10



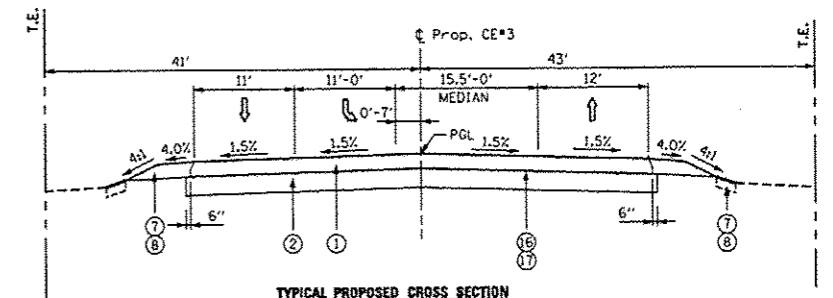
**TYPICAL PROPOSED CROSS SECTION
LUCAS ROAD / COLLEGE ENTRANCE #3 (TARTON DR)**
STA. 8+38.10 TO STA. 10+67.00



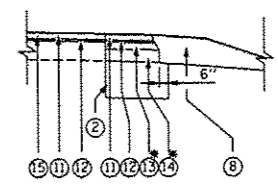
**TYPICAL PROPOSED CROSS SECTION
COLLEGE ENTRANCE #3 (TARTON DR)**
STA. 10+67.00 TO STA. 12+01.30



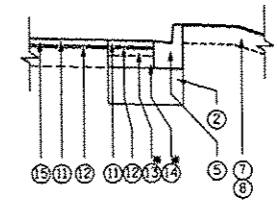
**TYPICAL PROPOSED CROSS SECTION
COLLEGE ENTRANCE #3 (TARTON DR)**
STA. 12+01.30 TO STA. 13+01.00



**TYPICAL PROPOSED CROSS SECTION
COLLEGE ENTRANCE #3 (TARTON DR)**
STA. 13+01.00 TO STA. 15+76.30



WIDENING DETAIL A
* SEE NOTE 8 ON SHEET 16



WIDENING DETAIL B
* SEE NOTE 8 ON SHEET 16

- NOTES:**
- PGE WITHIN US RTE 14 MAINLINE PAVEMENT
 - CC&G B-6.12 TRANSITIONS TO CC&G B-6.24 AT STA. 9+16.46

EXISTING LEGEND

- EXISTING HMA PAVEMENT, (COLLEGE ENTRANCE #3 - 5', LUCAS RD - 9')
- EXISTING AGGREGATE SHOULDER, 6"
- EXISTING AGGREGATE SUBGRADE, 12"

PROPOSED LEGEND

- HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9"
- AGGREGATE SUBGRADE IMPROVEMENT 12"
- POROUS GRANULAR EMBANKMENT
- REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
- COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- AGGREGATE SHOULDERS, TYPE B 9"
- PROPOSED TOPSOIL, 6" (SEE NOTE 6 ON SHEET 16)
- SEEDING, CLASS 2A
- PORTLAND CEMENT CONCRETE PAVEMENT 9 3/4" (JOINTED)
- STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2"
- HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 2 1/4"
- HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 2 1/4"
- HOT-MIX ASPHALT BASE COURSE WIDENING, 4 1/2"
- HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- BITUMINOUS MATERIALS (PRIME COAT)
- AGGREGATE (PRIME COAT)
- TOPSOIL FURNISH AND PLACE, 24"
- SEEDING, CLASS 2A
- COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- NO. 6 EPOXY COATED TIE BARS 24" LONG @ 24" CTS
- LONGITUDINAL CONSTRUCTION JOINT, WITH NO. 6 EPOXY COATED TIE BARS 30" LONG AT 24" CTS
- LONGITUDINAL SAWED JOINT, WITH NO. 6 EPOXY COATED TIE BARS 30" LONG AT 30" CTS

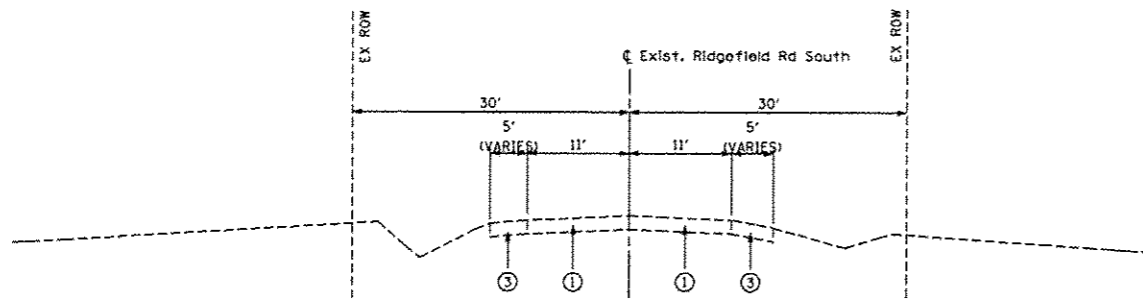
FILE NAME * S:\1686\CADD Sheets\0162517-ht-typical	USER NAME - USERNAME Addendum - V8i.dgn	DESIGNED - JPW	REVISED - 7/14/2014 HWL
	PLOT SCALE = 28.800' / IN.	DRAWN - JPW	REVISED -
	PLOT DATE = 7/14/2014	CHECKED - MCZ	REVISED -
		DATE - 10/15/2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

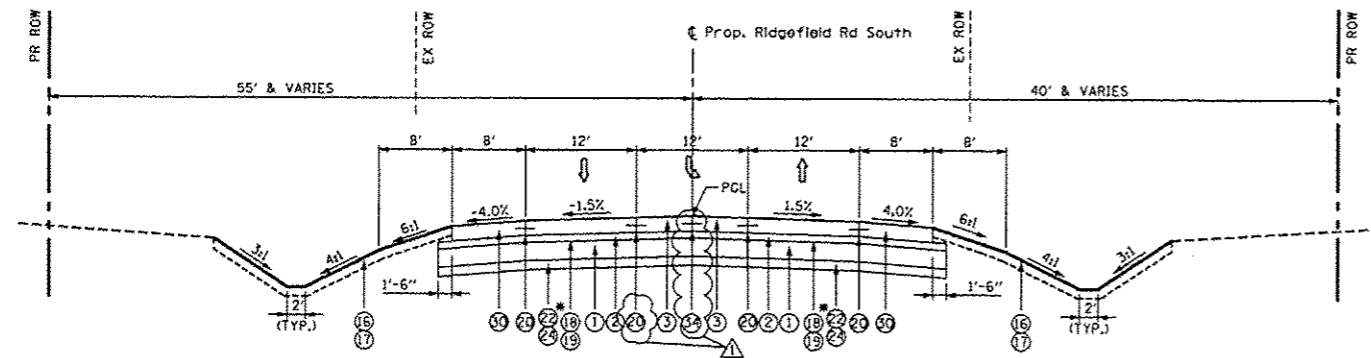
**TYPICAL SECTIONS
LUCAS RD & COLLEGE ENTRANCE #3 (TARTON DR)**

SCALE: SHEET NO. 14 OF 431 SHEETS STA. TO STA.

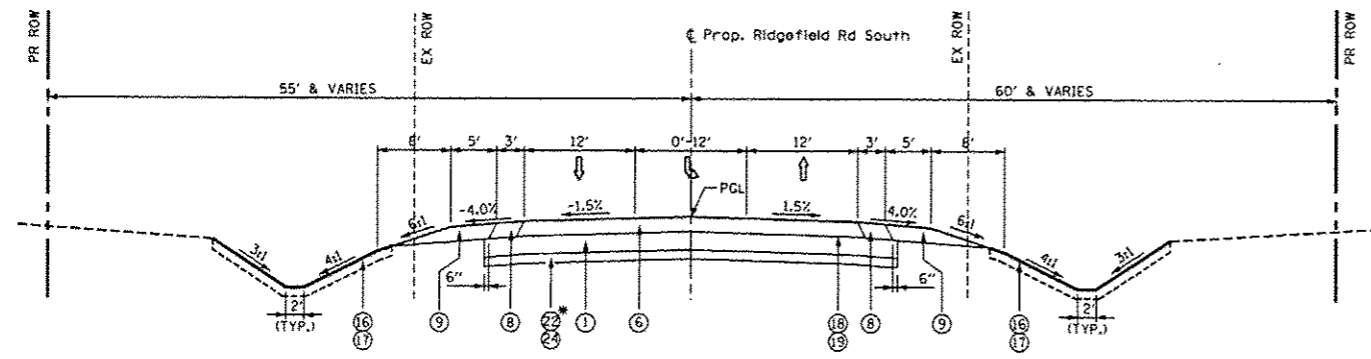
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	27R-3	MCHENRY	431	14
			CONTRACT NO. 62517	
ILLINOIS FED. AID PROJECT				



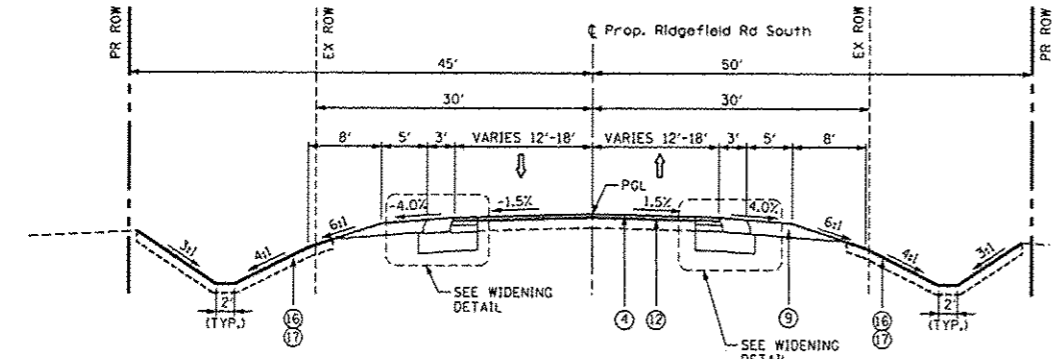
**TYPICAL EXISTING CROSS SECTION
RIDGEFIELD ROAD SOUTH**
STA. 900+00 TO STA. 907+07.80



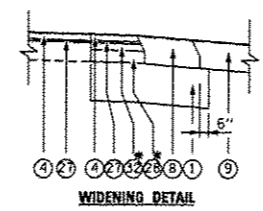
**TYPICAL PROPOSED CROSS SECTION
RIDGEFIELD ROAD SOUTH**
STA. 900+00 TO STA. 901+77.55
* SEE PGES LIMITS ON SHEET 18



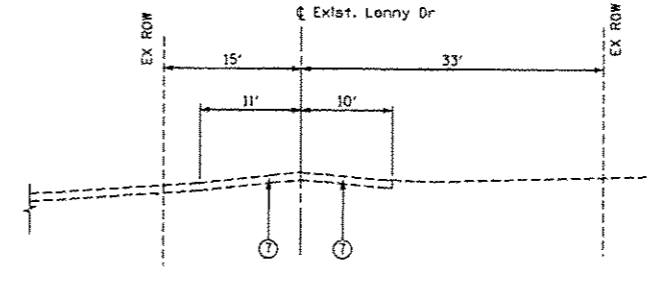
**TYPICAL PROPOSED CROSS SECTION
RIDGEFIELD ROAD SOUTH**
STA. 901+77.55 TO STA. 904+25.00
* SEE PGES LIMITS ON SHEET 18



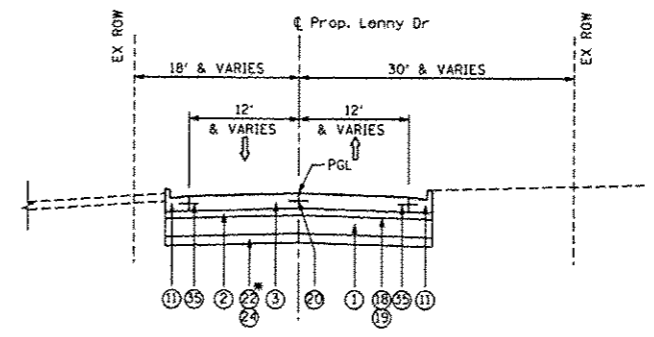
**TYPICAL PROPOSED CROSS SECTION
RIDGEFIELD ROAD SOUTH**
STA. 904+25 TO STA. 907+07.80



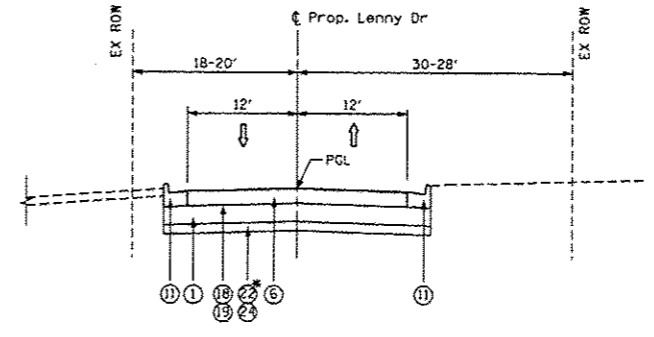
WIDENING DETAIL
* SEE NOTE 8 ON SHEET 16.



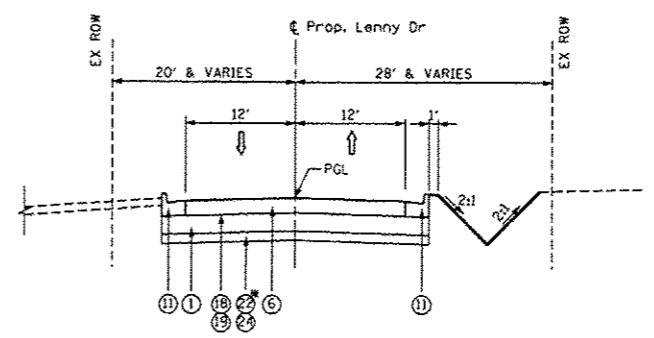
**TYPICAL EXISTING CROSS SECTION
LENNY DRIVE**
STA. 0+00 TO STA. 4+18.12



**TYPICAL PROPOSED CROSS SECTION
LENNY DRIVE**
STA. 0+00 TO STA. 1+27.35
* SEE PGES LIMITS ON SHEET 18



**TYPICAL PROPOSED CROSS SECTION
LENNY DRIVE**
STA. 1+27.35 TO STA. 2+45.27
* SEE PGES LIMITS ON SHEET 18



**TYPICAL PROPOSED CROSS SECTION
LENNY DRIVE**
STA. 2+45.27 TO STA. 4+18.12
* SEE PGES LIMITS ON SHEET 18

EXISTING LEGEND

- ① EXISTING HMA PAVEMENT, 9"
- ② EXISTING PORTLAND CEMENT CONCRETE, 4.75" - 6.75"
- ③ EXISTING AGGREGATE SHOULDER
- ④ EXISTING COMBINATION CURB AND GUTTER, TYPE B-6.12
- ⑤ EXISTING COMBINATION CURB AND GUTTER, TYPE B-6.24
- ⑥ EXISTING PORTLAND CEMENT CONCRETE SIDEWALK
- ⑦ EXISTING HMA PAVEMENT 5"

PROPOSED LEGEND

- ① AGGREGATE SUBGRADE IMPROVEMENT 12"
- ② STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2"
- ③ PORTLAND CEMENT CONCRETE PAVEMENT 9 3/4" (JOINTED)
- ④ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- ⑤ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"
- ⑥ HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9"
- ⑦ HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- ⑧ HOT-MIX ASPHALT SHOULDERS, 9"
- ⑨ AGGREGATE SHOULDERS, TYPE B 9"
- ⑩ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- ⑪ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑫ HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- ⑬ CONCRETE MEDIAN SURFACE, 4 INCH
- ⑭ M.C.C.D. BIKETRAIL (SEE NOTE 3 ON SHEET 16)
- ⑮ PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- ⑯ PROPOSED TOPSOIL, 6" (SEE NOTE 6 ON SHEET 16)
- ⑰ SEEDING, CLASS 2A
- ⑱ BITUMINOUS MATERIALS (PRIME COAT)
- ⑲ AGGREGATE (PRIME COAT)
- ⑳ LONGITUDINAL CONSTRUCTION JOINT, WITH NO. 6 EPOXY COATED TIE BARS 30" LONG AT 24" CTS
- ㉑ TOPSOIL FURNISH AND PLACE, 2"
- ㉒ POROUS GRANULAR EMBANKMENT
- ㉓ COURSE AGGREGATE FILL
- ㉔ REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
- ㉕ ADDITIONAL 1 FOOT PAVEMENT RECONSTRUCTION
- ㉖ SODDING, SALT TOLERANT
- ㉗ POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 3/4"
- ㉘ HOT-MIX ASPHALT BASE COURSE WIDENING, 4 1/2"
- ㉙ HOT-MIX ASPHALT BASE COURSE WIDENING, 9 3/4"
- ㉚ PORTLAND CEMENT CONCRETE SHOULDERS 9 3/4"
- ㉛ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (2 1/4")
- ㉜ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 2 1/4"
- ㉝ CONCRETE MEDIAN, TYPE SB (SPECIAL)
- ㉞ LONGITUDINAL SAWED JOINT, WITH NO. 6 EPOXY COATED TIE BARS 30" LONG AT 30" CTS
- ㉟ NO. 6 EPOXY COATED TIE BARS 24" LONG @ 24" CTS

FILE NAME = S:\1606\CADD Sheets\VD162517-ht-typical	USER NAME = JUSERNAME	DESIGNED - JPW	REVISED - 7/14/2014 HWL
Addendum - V8Ldgn	DRAWN - JPW	CHECKED - MGZ	REVISED -
PLOT SCALE = 20,000 / 1"	DATE - 10/15/2013		
PLOT DATE = 7/14/2014			

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS		F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
RIDGEFIELD ROAD SOUTH & LENNY DRIVE		305	27R-3	MCHENRY	431	15
SCALE:	SHEET NO. 15 OF 431 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 62517		

CONTRACTOR SHALL MILL BEFORE PATCHING

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE		AIR VOIDS @ 1400
PAVEMENT RESURFACING (US 14)		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL 9.5 mm) (1 3/4")		4% @ 90 Gyr.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 (3/4")		3.5% @ 50 Gyr.
PAVEMENT WIDENING (US 14)		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL 9.5 mm) (1 3/4")		4% @ 90 Gyr.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 (3/4")		3.5% @ 50 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (2 1/4")		4% @ 90 Gyr.
HOT-MIX ASPHALT BASE COURSE WIDENING, 9/4" (HMA BINDER IL-19, N90)		4% @ 90 Gyr.
FULL-DEPTH PAVEMENT RECONSTRUCTION (LUCAS RD, COLLEGE ENTR 3) - SEE NOTE 7		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm) (1 1/2")		4% @ 70 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (7/2")		4% @ 70 Gyr.
PAVEMENT RESURFACING (LUCAS RD, COLLEGE ENTRANCE 1)		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm) (1 1/2")		4% @ 70 Gyr.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 (3/4")		3.5% @ 50 Gyr.
PAVEMENT WIDENING (LUCAS RD, COLLEGE ENTRANCE 3) - SEE NOTE 8		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm) (1 1/2")		4% @ 70 Gyr.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 (3/4")		3.5% @ 50 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (2 1/4")		4% @ 70 Gyr.
HOT-MIX ASPHALT BASE COURSE WIDENING, 4 1/2" (HMA BINDER IL-19)		4% @ 70 Gyr.
FULL-DEPTH PAVEMENT RECONSTRUCTION (RIDGEFIELD ROAD SOUTH) - SEE NOTE 7		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm) (1 1/2")		4% @ 70 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (7/2")		4% @ 70 Gyr.
SHOULDER RECONSTRUCTION (RIDGEFIELD ROAD SOUTH)		
HOT-MIX ASPHALT SHOULDERS, 9" (HMA BINDER IL-19)		4% @ 50 Gyr.
PAVEMENT RESURFACING (RIDGEFIELD ROAD SOUTH)		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm) (1 1/2")		4% @ 70 Gyr.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 (3/4")		3.5% @ 50 Gyr.
PAVEMENT WIDENING (RIDGEFIELD ROAD SOUTH) - SEE NOTE 8		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm) (1 1/2")		4% @ 70 Gyr.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 (3/4")		3.5% @ 50 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (2 1/4")		4% @ 70 Gyr.
HOT-MIX ASPHALT BASE COURSE WIDENING, 4 1/2" (HMA BINDER IL-19)		4% @ 70 Gyr.
FULL-DEPTH PAVEMENT RECONSTRUCTION (LENNY DR) - SEE NOTE 7		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm) (1 1/2")		4% @ 70 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (7/2")		4% @ 70 Gyr.
STABILIZED SUBBASE (US 14, RIDGEFIELD ROAD SOUTH, IL 176, LENNY DRIVE)		
STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2" (HMA BINDER IL-19 mm)		3% @ 50 Gyr.
DRIVEWAYS (PRIVATE /COMMERCIAL)		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; 2" (IL 9.5 mm)		4% @ 50 Gyr.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19; PE -6", CE -8")		4% @ 50 Gyr.
DRIVEWAYS (FIELD ENTRANCE)		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50; 2" (IL 9.5 mm)		4% @ 50 Gyr.
TEMPORARY PAVEMENT		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 2" (IL 9.5 mm)		4% @ 50 Gyr.
TEMPORARY PAVEMENT (HMA BINDER IL-19mm) (8 1/4")		4% @ 50 Gyr.
PAVEMENT PATCHING		
CLASS "D" PATCHES (HMA BINDER IL-19 mm) (6", 9", 13", 15", 16", 17")		4% @ 70 Gyr.
MULTI-USE TRAIL		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm) (1 1/2")		4% @ 50 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 (2 1/2")		4% @ 50 Gyr.

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 132 LBS/SO YO/IN. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

NOTES:

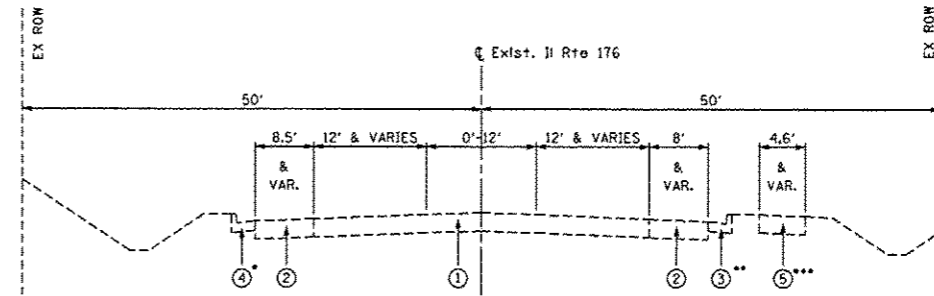
- UNLESS OTHERWISE NOTED, USE U.S. ROUTE 14 PAVEMENT FOR SIDEROADS.
- POROUS GRANULAR EMBANKMENT SUBGRADE (PGES) HAS BEEN PROVIDED FOR USE AT LOCATIONS OF UNSUITABLE SOILS AS SHOWN IN SCHEDULE OF QUANTITIES.
- BIKETRAIL STRUCTURE; AGGREGATE BASE COURSE, TYPE B 10" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 2 1/2"; HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm) 1 1/2".
- CONCRETE MEDIAN IS BEING SHOWN. SEE LANDSCAPING PLANS FOR LANDSCAPED / CONCRETE MEDIAN LIMITS. SEE LANDSCAPED MEDIAN DETAIL ON SHEETS 12 AND 13.
- PCC TEMPORARY PAVEMENT SHALL CONSIST OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF ART. 1020 OF THE STANDARD SPECIFICATIONS, TYPICALLY 10".
- PROPOSED TOPSOIL, 6" WILL CONSIST OF EXISTING TOPSOIL AND PAID FOR AS 'TOPSOIL EXCAVATION AND PLACEMENT' FOR THE AMOUNT OF SUITABLE TOPSOIL AVAILABLE. ALL ADDITIONAL TOPSOIL NEEDED WILL BE PAID FOR AS 'TOPSOIL FURNISH AND PLACE, 6" '.
- LUCAS RD, COLLEGE ENTR 3, RIDGEFIELD ROAD SOUTH AND LENNY DR FULL-DEPTH PAVEMENT RECONSTRUCTION WILL BE PAID FOR AS "HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9 INCH".
- "HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 2 1/4 INCH" AND "HOT-MIX ASPHALT BASE COURSE WIDENING, 4 1/2" (HMA BINDER IL-19)" WILL BE PAID FOR AS "HOT-MIX ASPHALT BASE COURSE WIDENING, 6 3/4" (HMA BINDER IL-19)".
- MULTI-USE PATH SHALL BE COMPLIANT WITH THE AMERICAN WITH DISABILITIES ACT (ADA). FOR MULTI-USE PATH THE MAXIMUM RUNNING SLOPE IS 5% AND THE MAXIMUM CROSS SLOPES IS 2%.

EXISTING LEGEND

- EXISTING HMA PAVEMENT, VARIES 12"-13"
- EXISTING HMA SHOULDER
- EXISTING COMBINATION CURB AND GUTTER, TYPE B-6.12
- EXISTING COMBINATION CURB AND GUTTER, TYPE B-6.24
- EXISTING PORTLAND CEMENT CONCRETE SIDEWALK

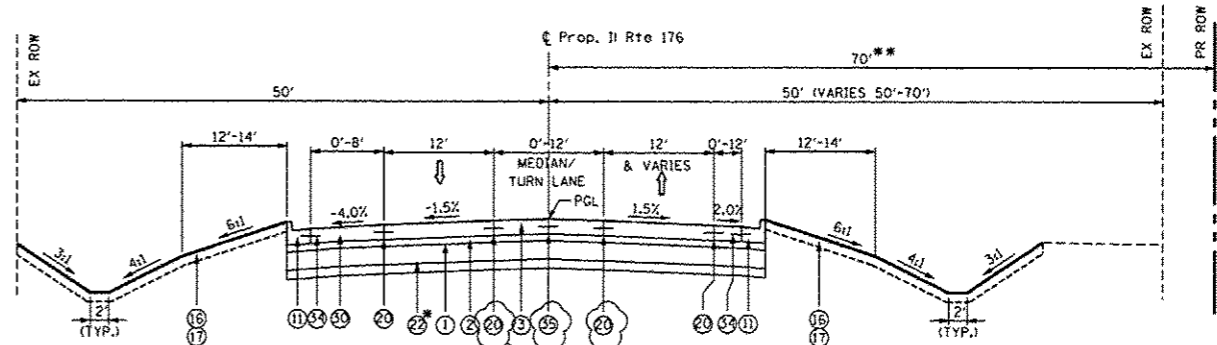
PROPOSED LEGEND

- AGGREGATE SUBGRADE IMPROVEMENT 12"
- STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2"
- PORTLAND CEMENT CONCRETE PAVEMENT 9 3/4" (JOINTED)
- HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"
- HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9"
- HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- HOT-MIX ASPHALT SHOULDERS, 9"
- AGGREGATE SHOULDERS, TYPE B 9 3/4"
- COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- CONCRETE MEDIAN SURFACE, 4 INCH
- M.C.G.D. BIKETRAIL (SEE NOTE 3 ON SHEET 16)
- PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- PROPOSED TOPSOIL, 6" (SEE NOTE 6 ON SHEET 16)
- SEEDING, CLASS 2A
- BITUMINOUS MATERIALS (PRIME COAT)
- AGGREGATE (PRIME COAT)
- LONGITUDINAL CONSTRUCTION JOINT, WITH NO. 6 EPOXY COATED TIE BARS 30" LONG AT 24" CTS
- TOPSOIL FURNISH AND PLACE, 24"
- POROUS GRANULAR EMBANKMENT
- COURSE AGGREGATE FILL
- REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
- ADDITIONAL 1 FOOT PAVEMENT RECONSTRUCTION
- SODDING, SALT TOLERANT
- POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
- HOT-MIX ASPHALT BASE COURSE WIDENING, 4 1/2"
- HOT-MIX ASPHALT BASE COURSE WIDENING, 9 1/4"
- PORTLAND CEMENT CONCRETE SHOULDERS 9 3/4"
- HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (2 1/4")
- HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 2 1/4"
- CONCRETE MEDIAN, TYPE SB (SPECIAL)
- NO. 6 EPOXY COATED TIE BARS 24" LONG @ 24" CTS
- LONGITUDINAL SAWED JOINT, WITH NO. 6 EPOXY COATED TIE BARS 30" LONG AT 30" CTS



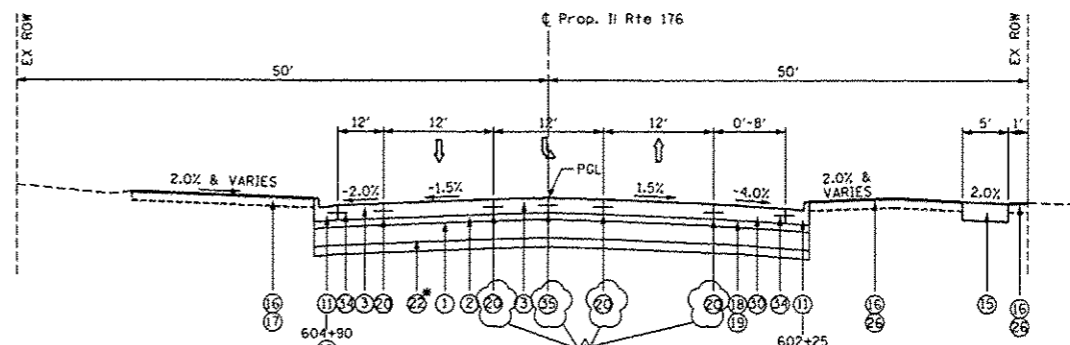
TYPICAL EXISTING CROSS SECTION IL ROUTE 176
STA. 590+23.80 TO STA. 608+50.50

* CC&G, TYPE B-6.12 STA. 601+58.00 TO STA. 607+13.00
** STA. 596+62.00 TO STA. 604+70.83
*** STA. 601+30.00 TO STA. 608+50.50

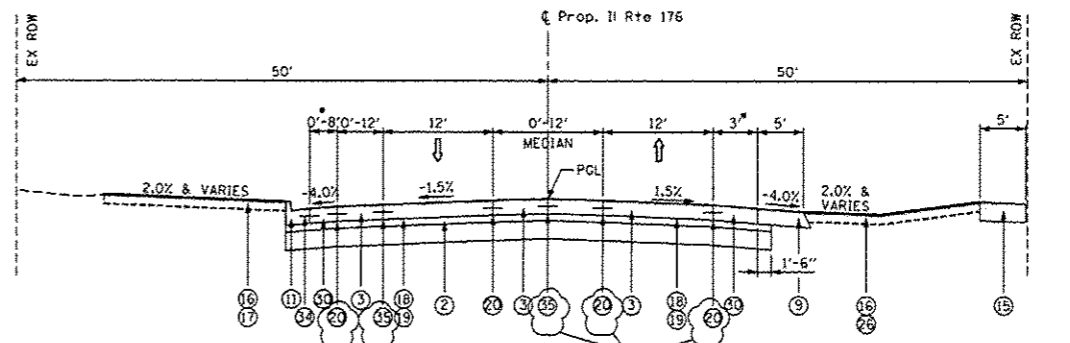


TYPICAL PROPOSED CROSS SECTION IL ROUTE 176
STA. 590+23.80 TO STA. 599+00.00

* SEE PGES LIMITS ON SHEET 18
** STA. 596+50 TO STA. 598+21.72



TYPICAL PROPOSED CROSS SECTION IL ROUTE 176
STA. 601+00.00 TO STA. 604+65.52
* SEE PGES LIMITS ON SHEET 18

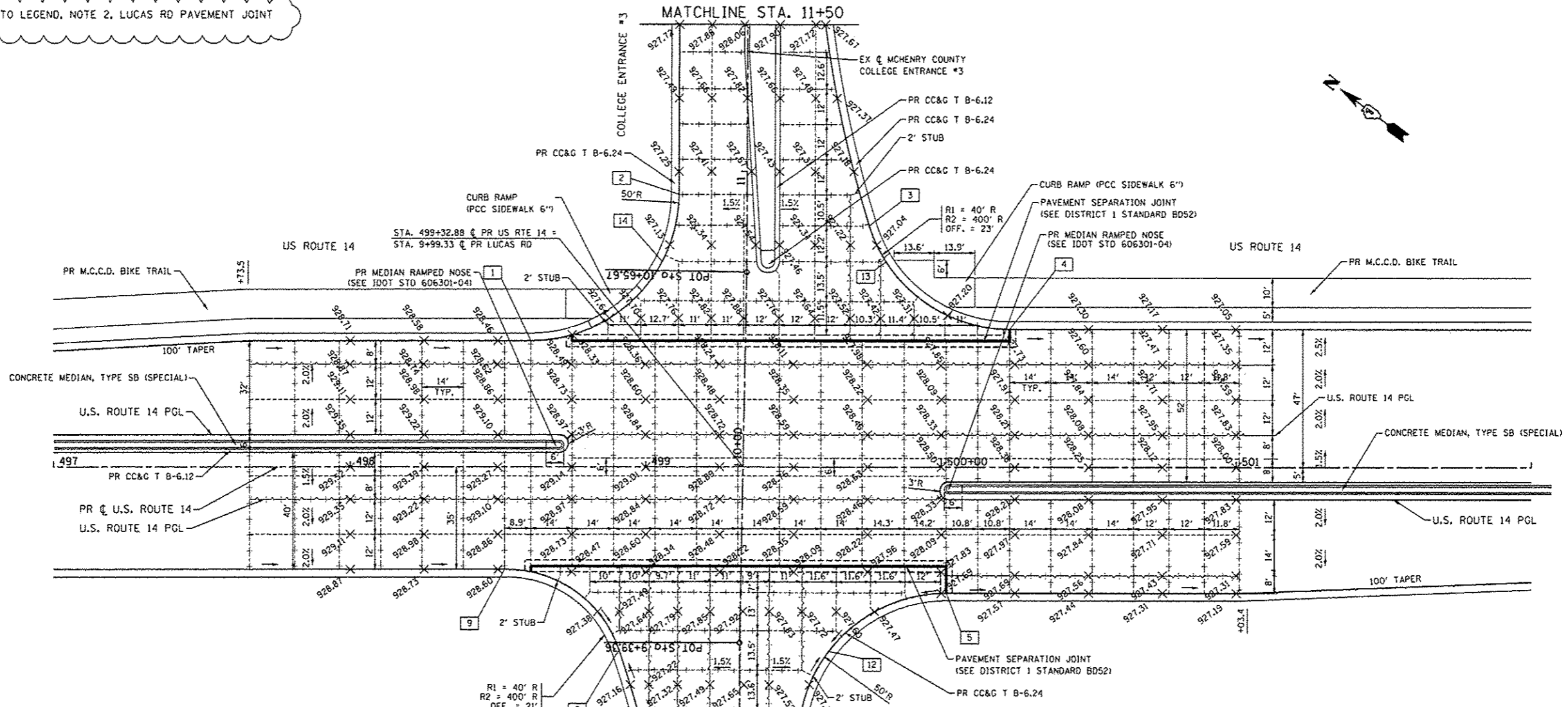


TYPICAL PROPOSED CROSS SECTION IL ROUTE 176
STA. 604+65.52 TO STA. 608+50.50

* MEET EXISTING AGGREGATE SHOULDER STA. 607+05.50 RT AND 607+94 LT

FILE NAME * S:\1686\CADD Sheets\0162517-ht-typical	USER NAME * Addendum - V01.dgn	DESIGNED - JPW	REVISED - 7/14/2014 HWL	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS IL ROUTE 176		F.A. RTE. 305	SECTION 27R-3	COUNTY MCHENRY	TOTAL SHEETS 431	SHEET NO. 16	
PLOT SCALE = 20.000' / IN.	CHECKED - MG2	REVISED -	REVISED -		SCALE:	SHEET NO. 16 OF 431 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 62517			
PLOT DATE = 7/14/2014	DATE = 10/15/2013	REVISED -	REVISED -									

REVISIONS TO LEGEND, NOTE 2, LUCAS RD PAVEMENT JOINT TYPES.



EDGE OF PAVEMENT ELEVATIONS

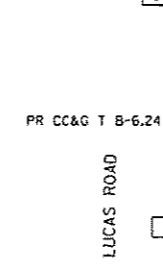
ALIGNMENT	STATION	OFFSET TO EOP (F)	EOP ELEV	REMARK
1	LUCAS RD	498+66.12	43.00 LT	928.37 PT
2	LUCAS RD	499+16.12	92.91 LT	927.16 PC
3	LUCAS RD	499+72.72	74.39 LT	927.00 PCC
4	ROUTE 14	500+10.68	47 LT	927.50 PC
5	ROUTE 14	500+01.38	43 RT	927.69 PT
6	LUCAS RD	9+36.46	21 RT	927.70 PC
7	LUCAS RD	8+38.08	21 LT	927.97 PT
8	LUCAS RD	9+36.36	40.74 LT	926.90 PCC/LOW
9	ROUTE 14	498+52.31	35 RT	928.59 PC
10	LUCAS RD	12+01.30	23 RT	928.27 PT
11	LUCAS RD	8+12.51	21 LT	928.21 PC
12	LUCAS RD	9+36.55	30.03 RT	927.27 LOW
13	COL. ENTR #3	10+10.12	47.08 RT	927.00 LOW
14	COL. ENTR #3	10+68.80	28.60 LT	927.10 LOW

LEGEND

- LONGITUDINAL SAWED JOINT
- +--+ TRANSVERSE CONTRACTION JOINT
- ~~~~~ LONGITUDINAL CONSTRUCTION JOINT

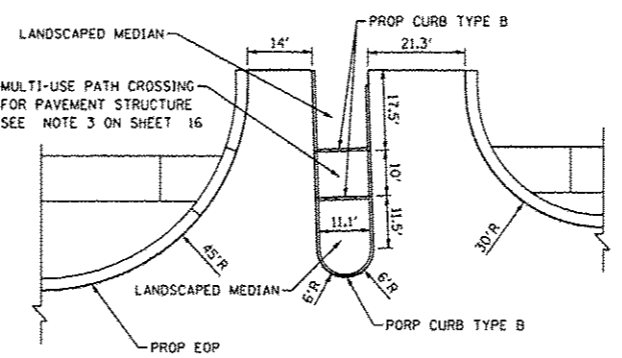
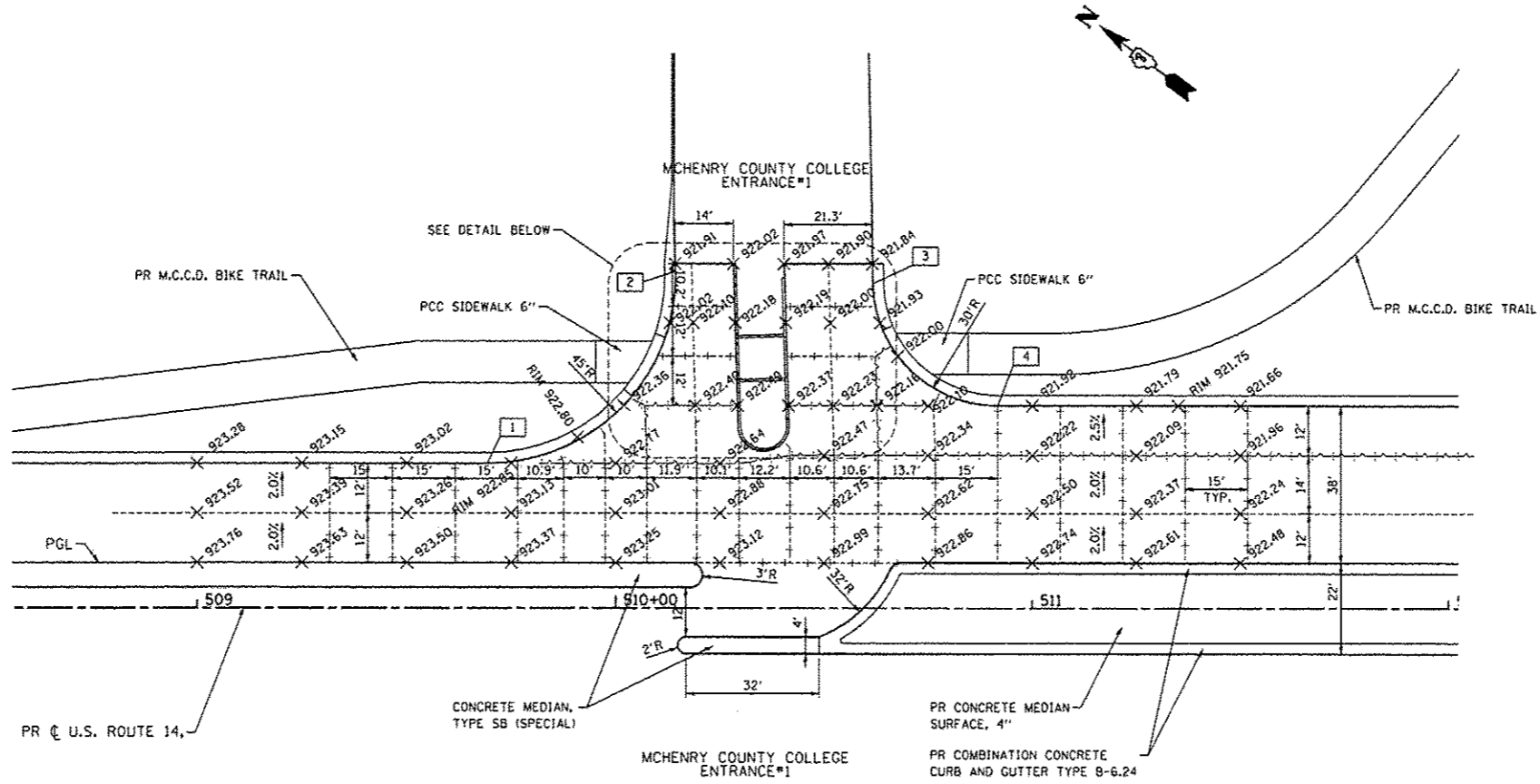
NOTES:

1. ADDITIONAL JOINTS MAY BE REQUIRED IN THE FIELD, AS DIRECTED BY THE ENGINEER. EXACT LOCATIONS TO BE VERIFIED IN THE FIELD, AND APPROVED BY THE ENGINEER.
2. SEE HIGHWAY STD 420101-04, 420106-04, 420111-03, 483001-04 AND DISTRICT 1 DETAIL B052 FOR ADDITIONAL PAVEMENT JOINT DETAILS.
3. LONGITUDINAL CONSTRUCTION JOINTS WITH TIE BARS SHALL BE PLACED BETWEEN PCC PAVEMENT AND PCC SHOULDERS. NOT SHOWN FOR CLARITY.
4. FOR DETAIL ON CURB RAMP, SEE IDOT STD 424006-01.
5. FOR DETAIL ON MEDIAN RAMPED NOSE, SEE IDOT STD 606301-04.



EDGE OF PAVEMENT ELEVATIONS

ALIGNMENT	STATION	OFFSET TO EOP	EOP ELEV	REMARK
1	ROUTE 14	509+69.31	35.00 FT LT	922.85 PT
2	ROUTE 14	510+14.29	81.33 FT LT	921.54 PC
3	ROUTE 14	510+61.77	78.41 FT LT	921.00 PC
4	ROUTE 14	510+91.76	49.00 FT LT	921.96 PT



LEGEND

- LONGITUDINAL SAWED JOINT
- +++++ TRANSVERSE CONTRACTION JOINT
- LONGITUDINAL CONSTRUCTION JOINT

- NOTES:**
1. ADDITIONAL JOINTS MAY BE REQUIRED IN THE FIELD, AS DIRECTED BY THE ENGINEER. EXACT LOCATIONS TO BE VERIFIED IN THE FIELD AND APPROVED BY THE ENGINEER.
 2. SEE HIGHWAY STD 420101-04, 420106-04, 420111-03, 483001-04 AND DISTRICT 1 DETAIL BD52 FOR ADDITIONAL PAVEMENT JOINT DETAILS.
 3. LONGITUDINAL CONSTRUCTION JOINTS WITH THE BARS SHALL BE PLACED BETWEEN PCC PAVEMENT AND PCC SHOULDERS. NOT SHOWN FOR CLARITY.
 4. FOR DETAIL ON CURB RAMP, SEE IDOT STD 424006-01.
 5. FOR DETAIL ON MEDIAN RAMPED NOSE, SEE IDOT STD 606301-04.

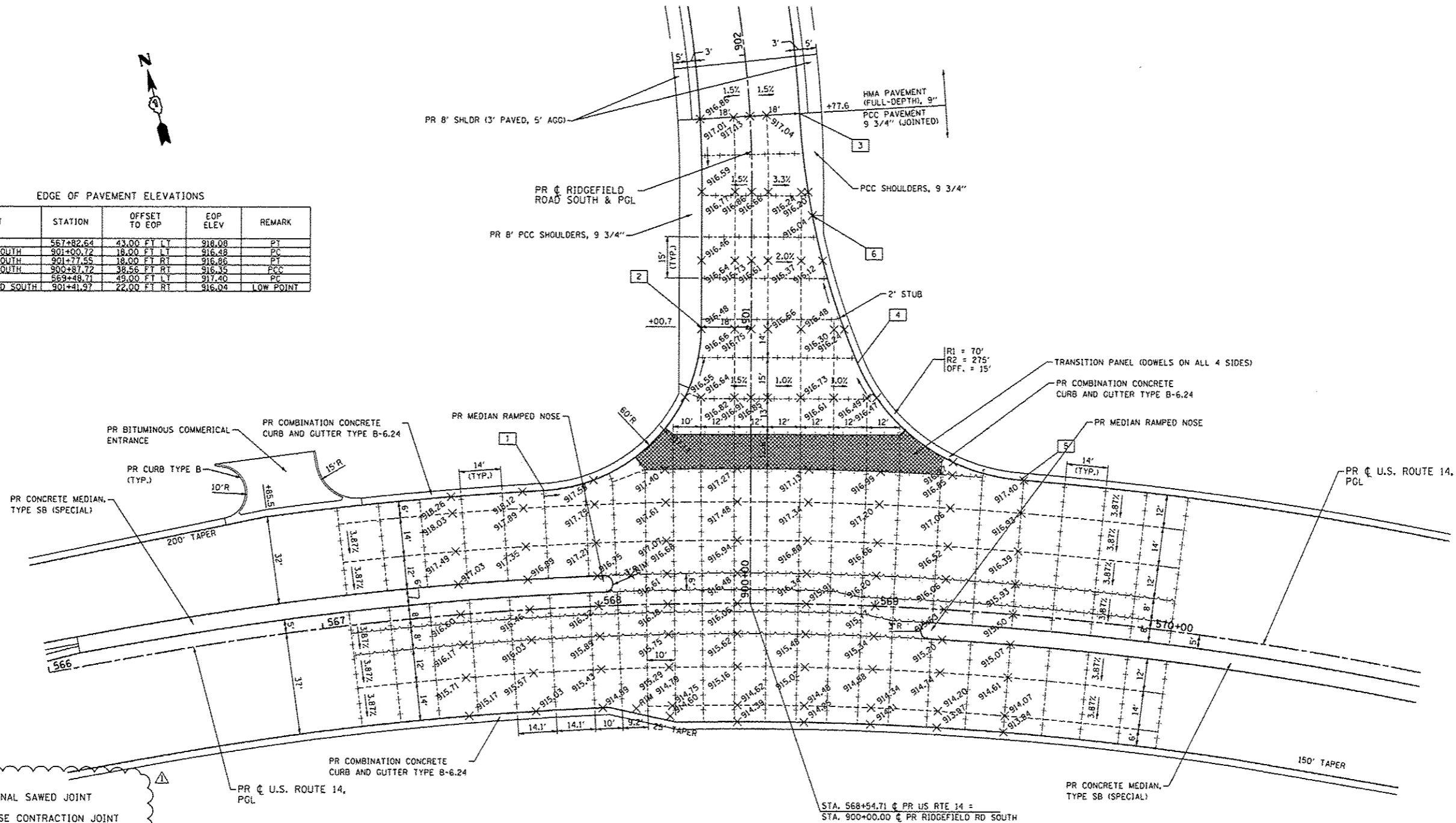


FILE NAME * S:\1606\CADD Sheets\0162517-shr-intersec	USER NAME * USERNAME Addendum.dgn	DESIGNED - MM DRAWN - MM	REVISED - Δ 7/14/2014 HHL REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		INTERSECTION JOINTING DETAILS MCHENRY COUNTY COLLEGE ENTRANCE #1 & U.S. ROUTE 14		F.A.P. RTE. 305	SECTION 2TR-3	COUNTY MCHENRY	TOTAL SHEETS 431	SHEET NO. 211
PLOT SCALE = 40,0000 / IN. PLOT DATE = 7/14/2014								SCALE: 1"=20'		SHEET NO. 211 OF 431 SHEETS		STA. TO STA.



EDGE OF PAVEMENT ELEVATIONS

ALIGNMENT	STATION	OFFSET TO EOP	EOP ELEV	REMARK
1 ROUTE 14	567+82.64	43.00 FT LT	918.08	PT
2 RIDGEFIELD SOUTH	901+00.72	18.00 FT LT	916.48	PT
3 RIDGEFIELD SOUTH	901+77.55	18.00 FT RT	916.86	PT
4 RIDGEFIELD SOUTH	900+87.72	38.56 FT RT	916.35	PCC
5 ROUTE 14	569+49.71	49.00 FT LT	917.40	PC
6 RIDGEFIELD RD SOUTH	901+41.97	22.00 FT RT	916.04	LOW POINT



LEGEND

-----	LONGITUDINAL SAWED JOINT
-+--+	TRANSVERSE CONTRACTION JOINT
-+--+	LONGITUDINAL CONSTRUCTION JOINT

- NOTES:**
- ADDITIONAL JOINTS MAY BE REQUIRED IN THE FIELD, AS DIRECTED BY THE ENGINEER. EXACT LOCATIONS TO BE VERIFIED IN THE FIELD AND APPROVED BY THE ENGINEER.
 - SEE HIGHWAY STD 420101-04, 420106-04, 420111-03, 483001-04 AND DISTRICT 1 DETAIL BD52 FOR ADDITIONAL PAVEMENT JOINT DETAILS.
 - LONGITUDINAL CONSTRUCTION JOINTS WITH TIE BARS SHALL BE PLACED BETWEEN PCC PAVEMENT AND PCC SHOULDERS. NOT SHOWN FOR CLARITY.
 - FOR DETAIL ON CURB RAMP, SEE IDOT STD 424006-01.
 - FOR DETAIL ON MEDIAN RAMPED NOSE, SEE IDOT STD 606301-04.

FILE NAME = S:\1685\CADD Sheets\0162517-shr-intersec	USER NAME = .USERNAME Addendum.dgn	DESIGNED - JPW	REVISED - 7/14/2014 HNL
	PLOT SCALE = 40.0000" / IN.	DRAWN - JPW	REVISED -
	PLOT DATE = 7/14/2014	CHECKED - MGZ	REVISED -
		DATE - 10/15/2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

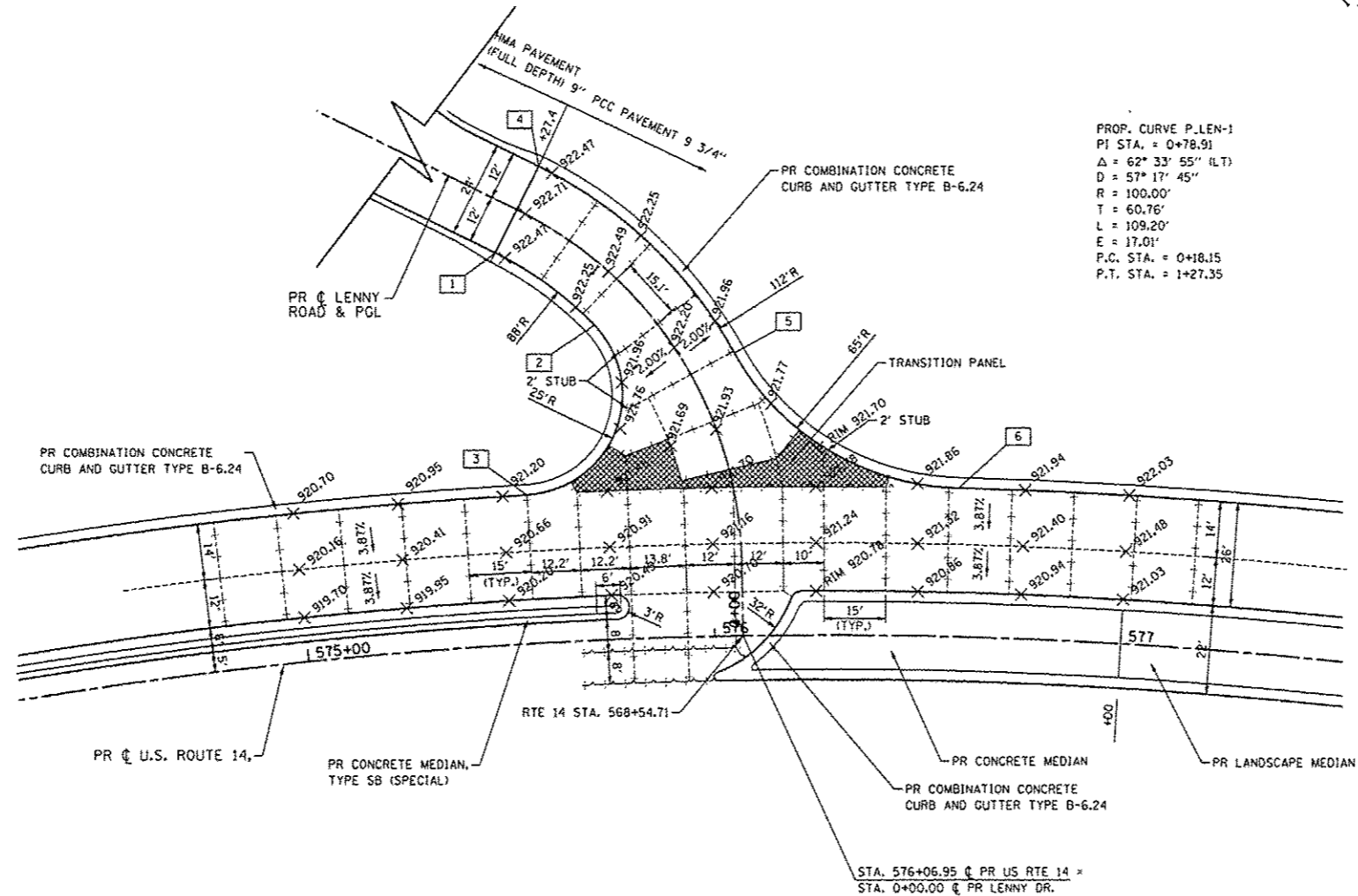
**INTERSECTION JOINTING DETAILS
RIDGEFIELD ROAD SOUTH & U.S. ROUTE 14**

SCALE: 1"=20' SHEET NO. 212 OF 431 SHEETS STA. TO STA.

F.A.P. RTE. 305	SECTION 27R-3	COUNTY MCHENRY	TOTAL SHEETS 431	SHEET NO. 212
CONTRACT NO. 62517			[ILLINOIS] FED. AID PROJECT	

EDGE OF PAVEMENT ELEVATIONS

ALIGNMENT	STATION	OFFSET TO EOP	EOP ELEV	REMARK
1 LENNY DRIVE	1+27.35	12.00 FT LT	922.49	PT
2 LENNY DRIVE	0+92.70	12.00 FT LT	922.04	PC
3 ROUTE 14	575+59.80	37.00 FT LT	921.26	PT
4 LENNY DRIVE	0+66.73	12.00 FT RT	922.49	PT
5 LENNY DRIVE	1+27.85	12.00 FT RT	921.85	PC
6 ROUTE 14	576+59.16	37.00 FT LT	921.87	PT

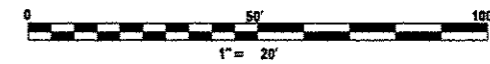


PROP. CURVE P.LEN-1
 PI STA. = 0+78.91
 Δ = 62° 33' 55" (LT)
 D = 57° 17' 45"
 R = 100.00'
 T = 60.76'
 L = 109.20'
 E = 17.01'
 P.C. STA. = 0+18.15
 P.T. STA. = 1+27.35

LEGEND

-----	LONGITUDINAL SAWED JOINT
+++++	TRANSVERSE CONTRACTION JOINT
-----	LONGITUDINAL CONSTRUCTION JOINT

- NOTES:**
- ADDITIONAL JOINTS MAY BE REQUIRED IN THE FIELD, AS DIRECTED BY THE ENGINEER. EXACT LOCATIONS TO BE VERIFIED IN THE FIELD AND APPROVED BY THE ENGINEER.
 - SEE HIGHWAY STD 420101-04, 420106-04, 420111-03, 483001-04 AND DISTRICT 1 DETAIL BDS2 FOR ADDITIONAL PAVEMENT JOINT DETAILS.
 - LONGITUDINAL CONSTRUCTION JOINTS WITH THE BARS SHALL BE PLACED BETWEEN PCC PAVEMENT AND PCC SHOULDERS. NOT SHOWN FOR CLARITY.
 - FOR DETAIL ON CURB RAMP, SEE IDOT STD 424006-01.
 - FOR DETAIL ON MEDIAN RAMPED NOSE, SEE IDOT STD 606301-04.

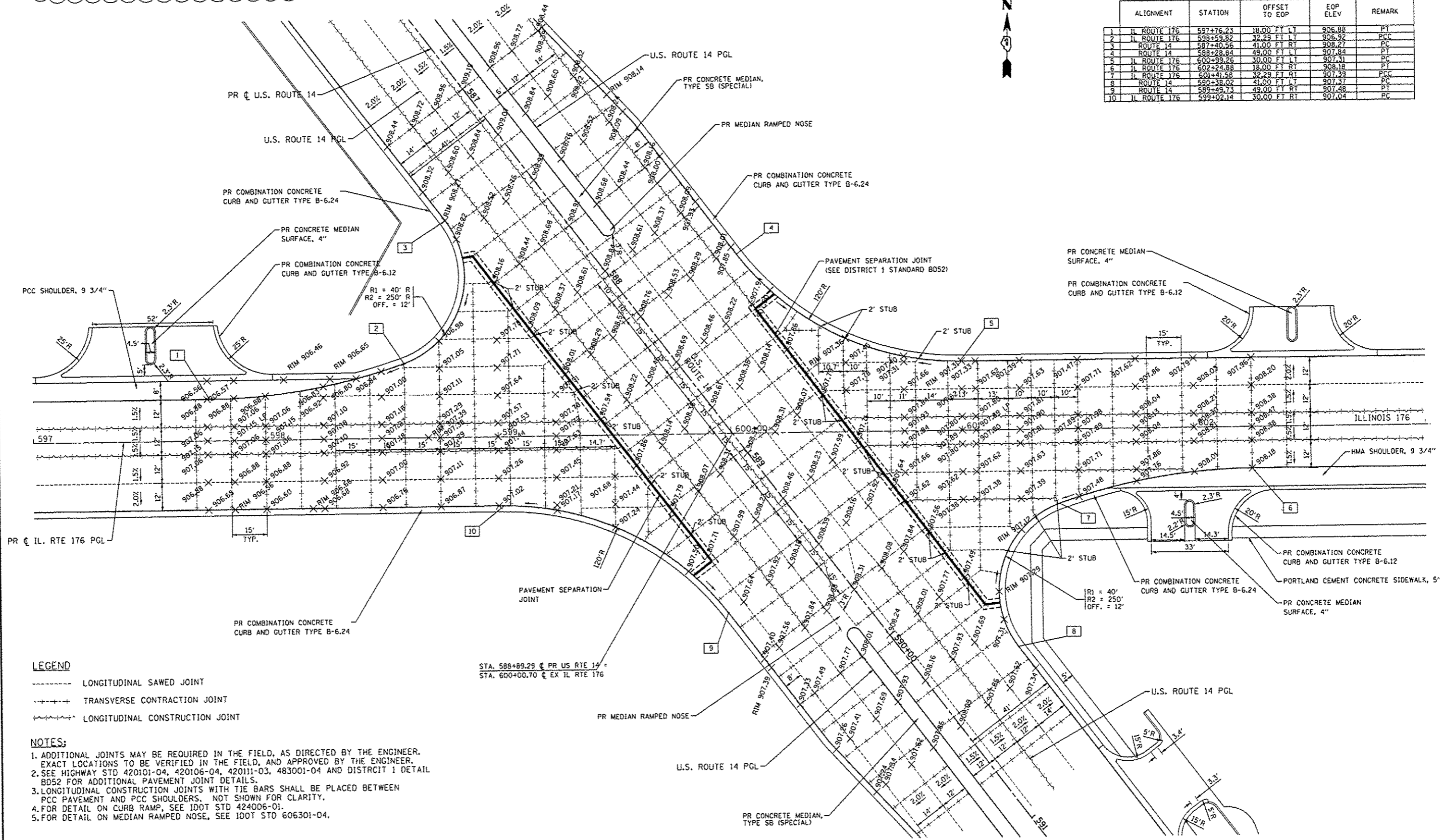


FILE NAME * S:\1686\CA00 Sheets\0162517-shr-intersec	USER NAME * USERNAME Addendum.dgn	DESIGNED - JPW DRAWN - JPW	REVISED - 7/14/2014 HNL REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERSECTION JOINTING DETAILS LENNY ROAD & U.S. ROUTE 14	F.A.P. RTE. 305	SECTION 27R-3	COUNTY MCHEMRY	TOTAL SHEETS 431	SHEET NO. 213		
PLOT SCALE * 48,0000' / IN. PLOT DATE * 7/14/2014						SCALE: 1"=20'	SHEET NO. 213 OF 431 SHEETS	STA.	TO STA.	CONTRACT NO. 62517		
DATE - 10/15/2013 REVISED -						ILLINOIS FED. AID PROJECT						

REVISIONS TO LEGEND, NOTE 2, IL 176 / US 14 PAVEMENT JOINT TYPES.

EDGE OF PAVEMENT ELEVATIONS

ALIGNMENT	STATION	OFFSET TO EOP	EOP ELEV	REMARK
1 IL ROUTE 176	597+76.23	18.00 FT LT	906.88	PT
2 IL ROUTE 176	598+59.82	42.25 FT RT	906.92	PCC
3 ROUTE 14	587+40.56	41.00 FT RT	908.27	PC
4 ROUTE 14	588+28.84	49.00 FT LT	907.84	PT
5 IL ROUTE 176	600+39.26	30.00 FT LT	907.31	PC
6 IL ROUTE 176	602+24.88	18.00 FT RT	908.18	PT
7 IL ROUTE 176	601+41.58	32.29 FT RT	907.39	PCC
8 ROUTE 14	590+38.02	41.00 FT LT	907.37	PC
9 ROUTE 14	589+49.73	49.00 FT RT	907.48	PT
10 IL ROUTE 176	599+02.14	30.00 FT RT	907.04	PC

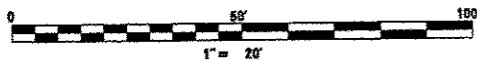


LEGEND

- LONGITUDINAL SAWED JOINT
- +++++ TRANSVERSE CONTRACTION JOINT
- LONGITUDINAL CONSTRUCTION JOINT

NOTES:

1. ADDITIONAL JOINTS MAY BE REQUIRED IN THE FIELD, AS DIRECTED BY THE ENGINEER. EXACT LOCATIONS TO BE VERIFIED IN THE FIELD, AND APPROVED BY THE ENGINEER.
2. SEE HIGHWAY STD 420101-04, 420106-04, 420111-03, 483001-04 AND DISTRICT 1 DETAIL B052 FOR ADDITIONAL PAVEMENT JOINT DETAILS.
3. LONGITUDINAL CONSTRUCTION JOINTS WITH TIE BARS SHALL BE PLACED BETWEEN PCC PAVEMENT AND PCC SHOULDERS. NOT SHOWN FOR CLARITY.
4. FOR DETAIL ON CURB RAMP, SEE 100T STD 424006-01.
5. FOR DETAIL ON MEDIAN RAMPED NOSE, SEE 100T STD 606301-04.



FILE NAME * S:\1606\CADD Sheets\0162917-ah-intersec	USER NAME * USERNAME - Addendum.dgn	DESIGNED - JPW	REVISOR - 7/14/2014 HWL	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERSECTION JOINTING DETAILS IL 176 & U.S. ROUTE 14		F.A.P. RTE. 305	SECTION 27R-3	COUNTY MCHEMRY	TOTAL SHEETS 431	SHEET NO. 215	
PLOT SCALE * 48,8800 / IN.	CHECKED - MGZ	REVISOR -	REVISOR -		SCALE: 1"=20'	SHEET NO. 215 OF 431 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			
PLOT DATE * 7/14/2014	DATE - 10/15/2013	REVISOR -	REVISOR -									

SCHEDULE OF QUANTITIES

ITEM	UNIT	QTY
LED INTERNALLY ILLUMINATED STREET NAME SIGN	EA	4
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FT	1020
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FT	20
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FT	24
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FT	478
HANDHOLE	EA	5
HEAVY-DUTY HANDHOLE	EA	4
DOUBLE HANDHOLE	EA	2
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EA	1
TRANSCIVER - FIBER OPTIC	EA	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FT	195
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FT	1578
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FT	1331
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FT	1536
ELECTRIC CABLE IN CONDUIT, LEAD-IN NO. 14 1 PAIR	FT	2817
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2/C	FT	72
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EA	3
STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EA	1
STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EA	1
STEEL MAST ARM ASSEMBLY AND POLE, 56 FT.	EA	1
STEEL MAST ARM ASSEMBLY AND POLE, 68 FT.	EA	1
CONCRETE FOUNDATION, TYPE A	FT	12
CONCRETE FOUNDATION, TYPE C	FT	4
CONCRETE FOUNDATION, TYPE E 36 INCH DIAMETER	FT	28
CONCRETE FOUNDATION, TYPE E 42 INCH DIAMETER	FT	46
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EA	7
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EA	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EA	4
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EA	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EA	11
INDUCTIVE LOOP DETECTOR	EA	11
LIGHT DETECTOR	EA	2
LIGHT DETECTOR AMPLIFIER	EA	1
PEDESTRIAN PUSH-BUTTON	EA	2
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EA	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EA	1
REMOVE EXISTING HANDHOLE	EA	6
REMOVE EXISTING CONCRETE FOUNDATION	EA	7
PERFORMED DETECTOR LOOP	FT	694
TEMPORARY TRAFFIC SIGNAL TIMING	EA	1
SERVICE INSTALLATION - POLE MOUNTED	EA	1
UNINTERRUPTIBLE POWER SUPPLY SPECIAL	EA	1
ELECTRIC CABLE IN CONDUIT, EQUIPMENT-GROUNDING CONDUCTOR, NO. 6 1C	FT	630
ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED	FT	448

* DENOTES 100% LOCAL AGENCY COST
 ** DENOTES ITEMS ASSOCIATED WITH THE TRAFFIC SIGNAL AT US RTE 14 AND COLLEGE ENTRANCE NO. 1 (TO BE REMOVED BY THIS CONTRACT)

I.D.O.T.
 TRAFFIC SIGNAL INSTALLATION
 ELECTRICAL SERVICE REQUIREMENTS

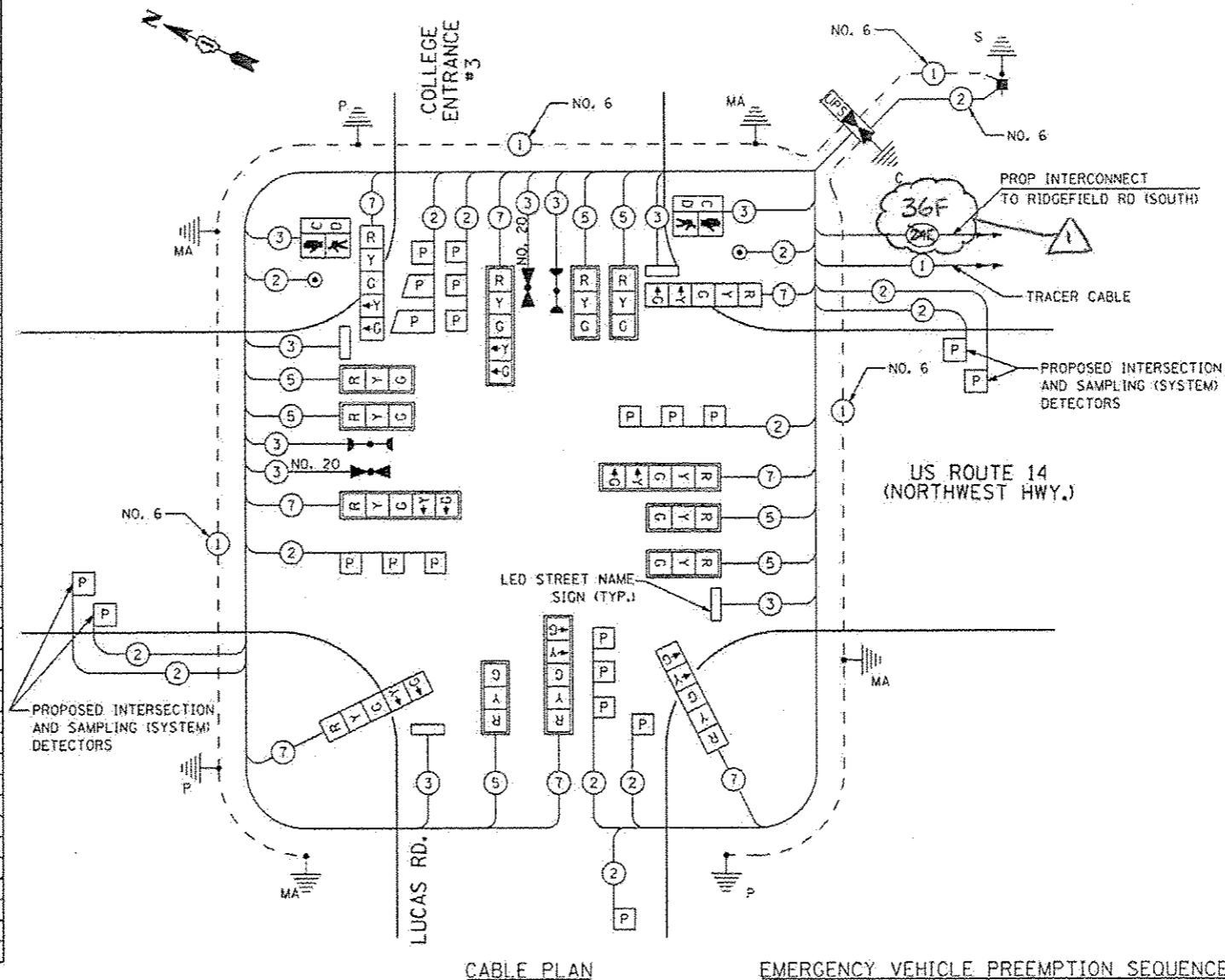
TYPE	NO. OF LAMPS	WATTAGE INCAND.	WATTAGE LED	% OPERATIONS	TOTAL WATTAGE
SIGNAL (RED)	15	135	17	0.50	127.50
(YELLOW)	15	135	25	0.25	93.75
(GREEN)	15	135	15	0.25	56.25
ARROW	16	135	12	0.10	19.2
PED. SIGNAL	2	90	25	1.00	50.00
CONTROLLER	1	100	100	1.00	100.00
FLASHER			25	0.50	
LED SIGN	1		90	0.50	45.00
LED SIGN (6'x)	3		120	0.50	180.00

ENERGY COSTS TO: TOTAL = 671.7

CITY OF CRYSTAL LAKE

100 WEST WOODSTOCK ST
 CRYSTAL LAKE, ILLINOIS 60014

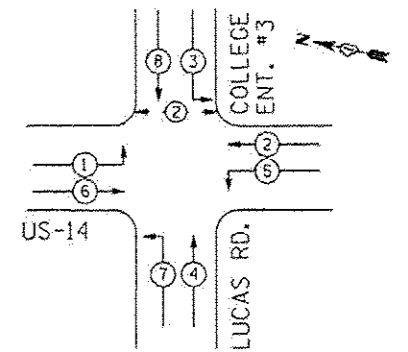
ENERGY SUPPLY CONTACT: MIKE WIDHALL
 PHONE: (815) 263-5624
 COMPANY: COMED



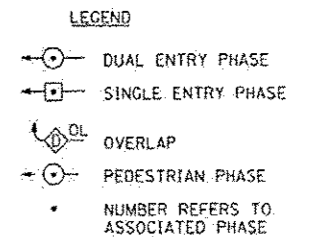
CABLE PLAN

EMERGENCY VEHICLE PREEMPTION SEQUENCE

CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM



NOTE: THE EMERGENCY PREEMPTION EQUIPMENT FOR THIS PROJECT SHALL BE "OPTICOM" BRAND TO MATCH THE EXISTING CITY SYSTEM.

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

THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.

RESTORATION OF WORK AREA: RESTORATION OF THE TRAFFIC WORK AREA SHALL BE INCLUDED IN THE COST OF THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH, AND BACKFILL ETC. AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, 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.

PROPOSED EMERGENCY VEHICLE PREEMPTORS	
EMERGENCY VEHICLE PREEMPTOR	3 4
MOVEMENT	↔ ↑↓

EJM ENGINEERING, INC.
 411 South Wells Street Suite 1000
 Chicago, Illinois 60607

FILE NAME: ...10182517-SHT-TSD1A.dgn	USER NAME: wmanion	DESIGNED: GR	REVISED: GR
		DRAWN: GR	REVISED: GR
		CHECKED: RS	REVISED: RS
		DATE: 10/15/2013	REVISED: RS

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

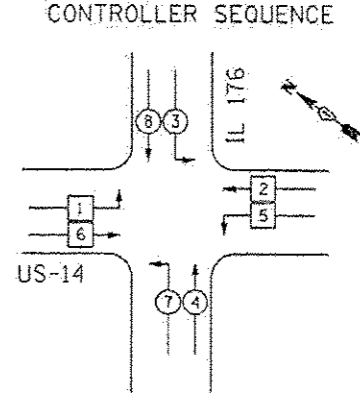
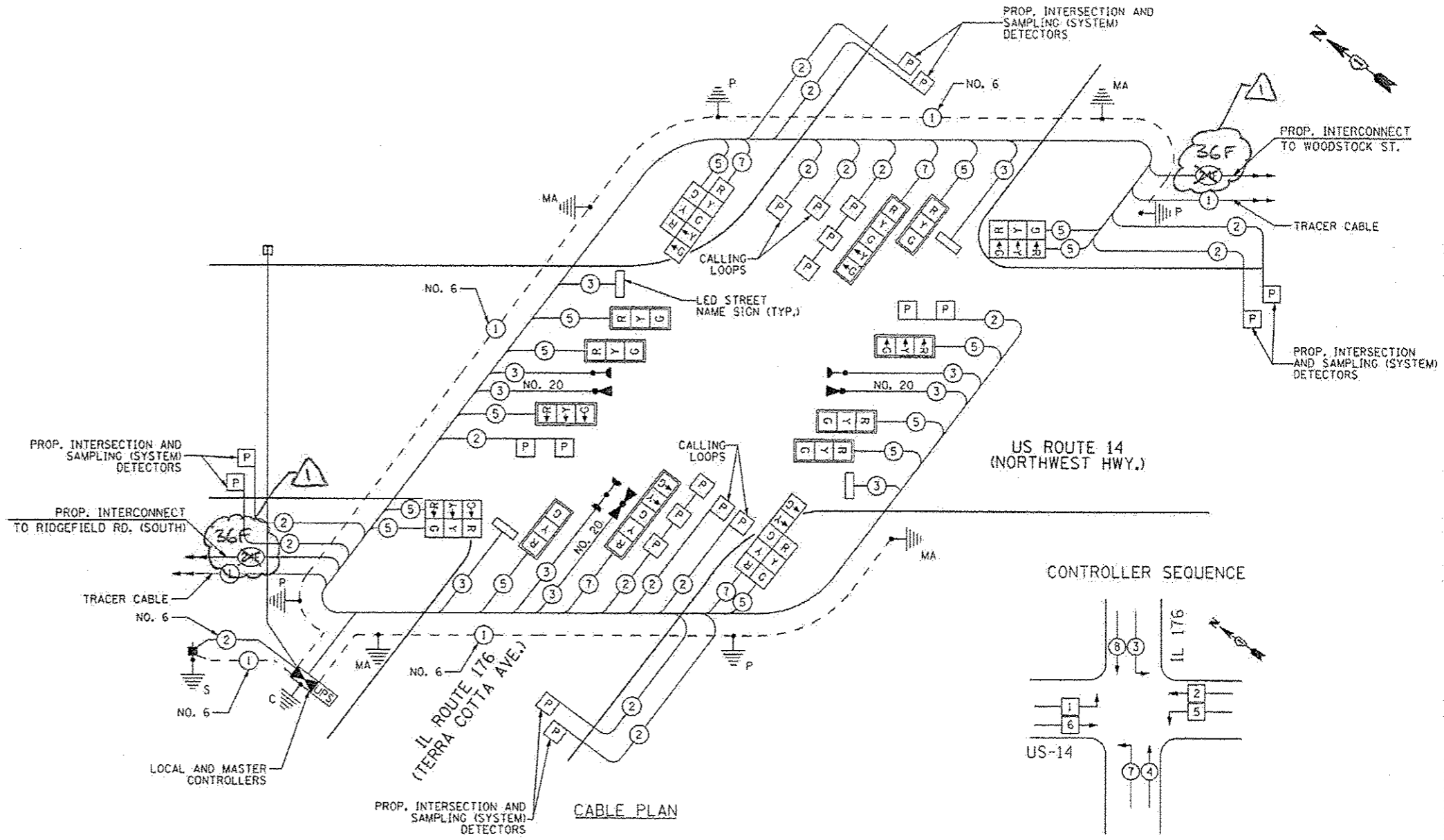
SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM,
 AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
 US RTE. 14 AND COLLEGE ENTRANCE NO. 3

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

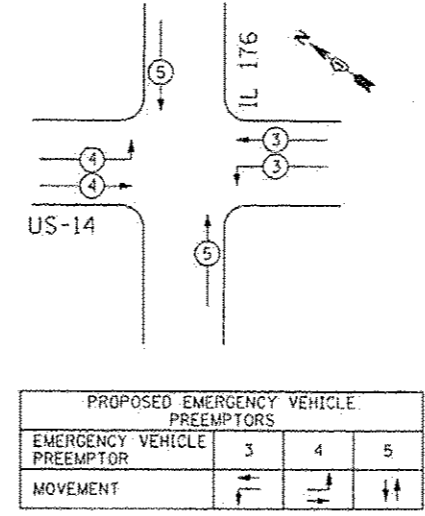
F.A.P. RTE. 305	SECTION 21R-3	COUNTY MCHENRY	TOTAL SHEETS 431	SHEET NO. 291
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62517	

SCHEDULE OF QUANTITIES

ITEM	UNIT	QTY
LED INTERNALLY ILLUMINATED STREET NAME SIGN	EA	4
SIGN PANEL - TYPE 1	SF	30
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FT	1660
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FT	45
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FT	140
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FT	680
HANDHOLE	EA	7
HEAVY-DUTY HANDHOLE	EA	4
DOUBLE HANDHOLE	EA	2
FULL-ACTUATED CONTROLLER AND TYPE V CABINET, SPECIAL	EA	1
TRANSCEIVER - FIBER OPTIC	EA	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FT	752
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FT	2609
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FT	2318
ELECTRIC CABLE IN CONDUIT, LEAD-IN NO. 14 1 PAIR	FT	4963
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2/C	FT	39
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EA	2
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EA	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 42 FT.	EA	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 46 FT.	EA	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 48 FT.	EA	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 52 FT.	EA	1
CONCRETE FOUNDATION, TYPE A	FT	26
CONCRETE FOUNDATION, TYPE C	FT	4
CONCRETE FOUNDATION, TYPE E 36 INCH DIAMETER	FT	54
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EA	8
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EA	2
SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EA	2
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 3-5 SECTION, BRACKET MOUNTED	EA	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINIUM	EA	10
INDUCTIVE LOOP DETECTOR	EA	16
LIGHT DETECTOR	EA	3
LIGHT DETECTOR AMPLIFIER	EA	1
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EA	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EA	1
REMOVE EXISTING HANDHOLE	EA	10
REMOVE EXISTING CONCRETE FOUNDATION	EA	6
PREFORMED DETECTOR LOOP	FT	769
TEMPORARY TRAFFIC SIGNAL TIMING	EA	1
SERVICE INSTALLATION - POLE MOUNTED	EA	1
MASTER CONTROLLER (SPECIAL)	EA	1
UNINTERRUPTIBLE POWER SUPPLY SPECIAL	EA	1
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FT	924
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 20 3/C, TWISTED, SHIELDED	FT	752
100% LOCAL AGENCY COST		



EMERGENCY VEHICLE PREEMPTION SEQUENCE



I.D.O.T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	WATTAGE (INCAND.)	WATTAGE (LED)	% OPERATIONS	TOTAL WATTAGE
SIGNAL (RED)	18	135	17	0.50	153.00
(YELLOW)	18	135	25	0.25	112.50
(GREEN)	18	135	15	0.25	67.50
ARROW	8	135	12	0.10	9.6
PED. SIGNAL	--	90	25	1.00	---
CONTROLLER	1	100	100	1.00	100.00
FLASHER	--	--	25	0.50	---
LED SIGN (6'+)	4	--	120	0.50	240.00

ENERGY COSTS TO: TOTAL = 682.6

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 1
SCHAUMBURG, ILLINOIS 60196

ENERGY SUPPLY: CONTACT: MIKE WIDHÄLM
PHONE: (815) 263-5624
COMPANY: COMED

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

NOTE:
THE EMERGENCY PREEMPTION EQUIPMENT FOR THIS PROJECT SHALL BE "OPTICOM" BRAND TO MATCH THE EXISTING CITY SYSTEM.

THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.

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

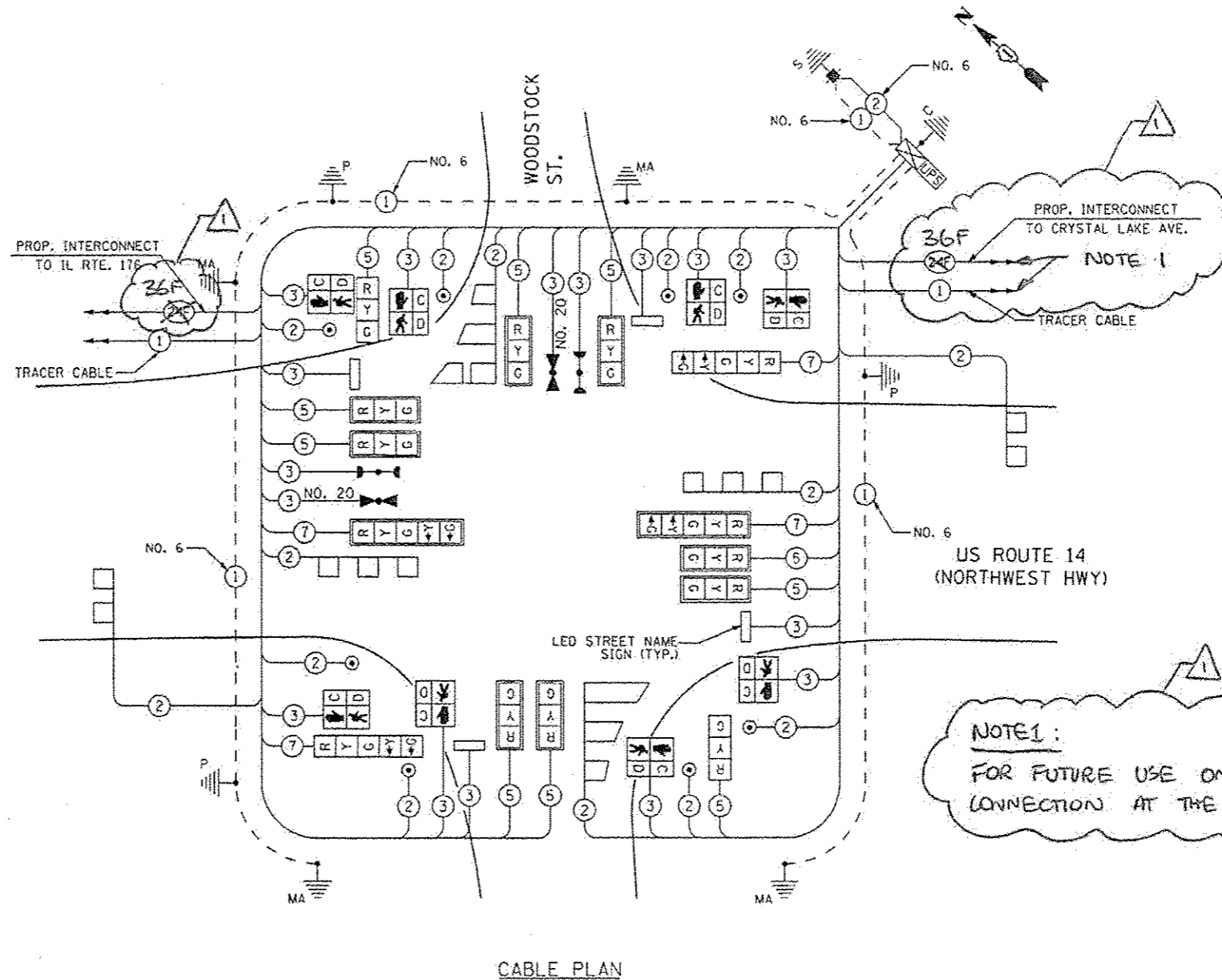
EJM ENGINEERING, INC.
411 South Wells Street Suite 1000
Chicago, Illinois 60607

FILE NAME: ...10162517-SHT-TS038.dgn	USER NAME: rjason	DESIGNED: GR	REVISED: LP / 10/14
		DRAWN: GR	REVISED:
		CHECKED: RS	REVISED:
		DATE: 10/15/2013	REVISED:

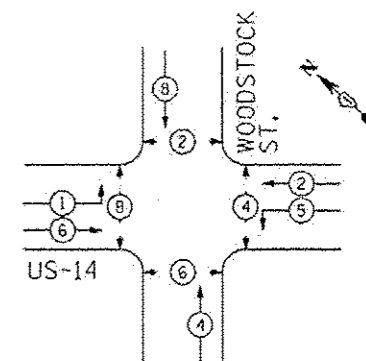
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE US RTE. 14 AND IL RTE. 176		F.A.P. RTE. 305	SECTION 27R-3	COUNTY MCHENRY	TOTAL SHEETS 431	SHEET NO. 303
SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.		CONTRACT NO. 62517		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT								

SCHEDULE OF QUANTITIES

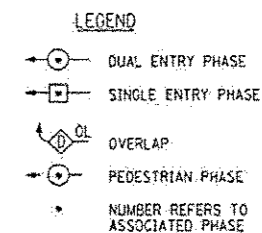
ITEM	UNIT	QTY
LED INTERNALLY ILLUMINATED STREET NAME SIGN	EA	4
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FT	610
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FT	16
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FT	47
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FT	452
HANDHOLE	EA	4
HEAVY-DUTY HANDHOLE	EA	2
DOUBLE HANDHOLE	EA	2
RELOCATE EXISTING TRAFFIC SIGNAL CONTROLLER AND CABINET, COMPLETE	EA	1
TRANSCIVER - FIBER OPTIC	EA	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FT	1356
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FT	2165
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FT	1852
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FT	816
ELECTRIC CABLE IN CONDUIT, LEAD-IN NO. 14 1 PAIR	FT	1353
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2/C	FT	44
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EA	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EA	2
PEDESTRIAN PUSH-BUTTON POST, GALVANIZED STEEL, TYPE I	EA	1
STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EA	2
STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EA	1
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EA	1
CONCRETE FOUNDATION, TYPE A	FT	12
CONCRETE FOUNDATION, TYPE C	FT	4
CONCRETE FOUNDATION, TYPE E 36 INCH DIAMETER	FT	48
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EA	8
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EA	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EA	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EA	2
PEDESTRIAN SIGNAL HEAD, 1-FACE, LED, BRACKET MOUNTED WITH COUNTDOWN TIMER	EA	6
PEDESTRIAN SIGNAL HEAD, 2-FACE, LED, BRACKET MOUNTED WITH COUNTDOWN TIMER	EA	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINIUM	EA	30
INDUCTIVE LOOP DETECTOR	EA	6
LIGHT DETECTOR	EA	2
LIGHT DETECTOR AMPLIFIER	EA	1
PEDESTRIAN PUSH-BUTTON	EA	8
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EA	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EA	1
REMOVE EXISTING HANDHOLE	EA	7
REMOVE EXISTING CONCRETE FOUNDATION	EA	30
DETECTOR LOOP, TYPE I	FT	632
TEMPORARY TRAFFIC SIGNAL TIMING	EA	1
SERVICE INSTALLATION - POLE MOUNTED	EA	1
UNINTERRUPTIBLE POWER SUPPLY SPECIAL	EA	1
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FT	573
ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED	FT	353
100% LOCAL AGENCY COST		



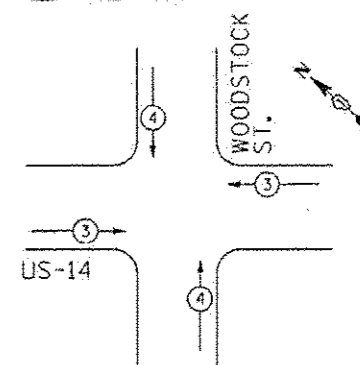
CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM



NOTE 1:
FOR FUTURE USE ONLY. NO CONNECTION AT THE CONTROLLER.



EMERGENCY VEHICLE PREEMPTION SEQUENCE

PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←→	↑↓

I.D.O.T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	14	135	17	0.50	119
(YELLOW)	14	135	25	0.25	87.5
(GREEN)	14	135	15	0.25	52.5
ARROW	8	135	12	0.10	9.6
PED. SIGNAL	8	90	25	1.00	200.00
CONTROLLER	1	100	100	1.00	100.00
FLASHER			25	0.50	
LED SIGN	2		90	0.50	90.00
LED SIGN (6'+)	2		120	0.50	120.00

ENERGY COSTS TO: TOTAL = 778.6

CITY OF CRYSTAL LAKE

100 WEST WOODSTOCK ST
CRYSTAL LAKE, ILLINOIS 60014

ENERGY SUPPLY: CONTACT: MIKE WIDHALL
PHONE: (815) 263-5624
COMPANY: COMED

NOTE:
THE EMERGENCY PREEMPTION EQUIPMENT FOR THIS PROJECT SHALL BE "OPTICOM" BRAND TO MATCH THE EXISTING CITY SYSTEM.

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

THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.

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

EJM ENGINEERING, INC.
411 South Wells Street Suite 1000
Chicago, Illinois 60607

FILE NAME: ...ND162017-SHT-TS04A.dgn	USER NAME: r.watson	DESIGNED: JW	REVISED: LP 11/10/14
		DRAWN: JW	REVISED:
		CHECKED: RS	REVISED:
		DATE: 10/15/2013	REVISED:

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

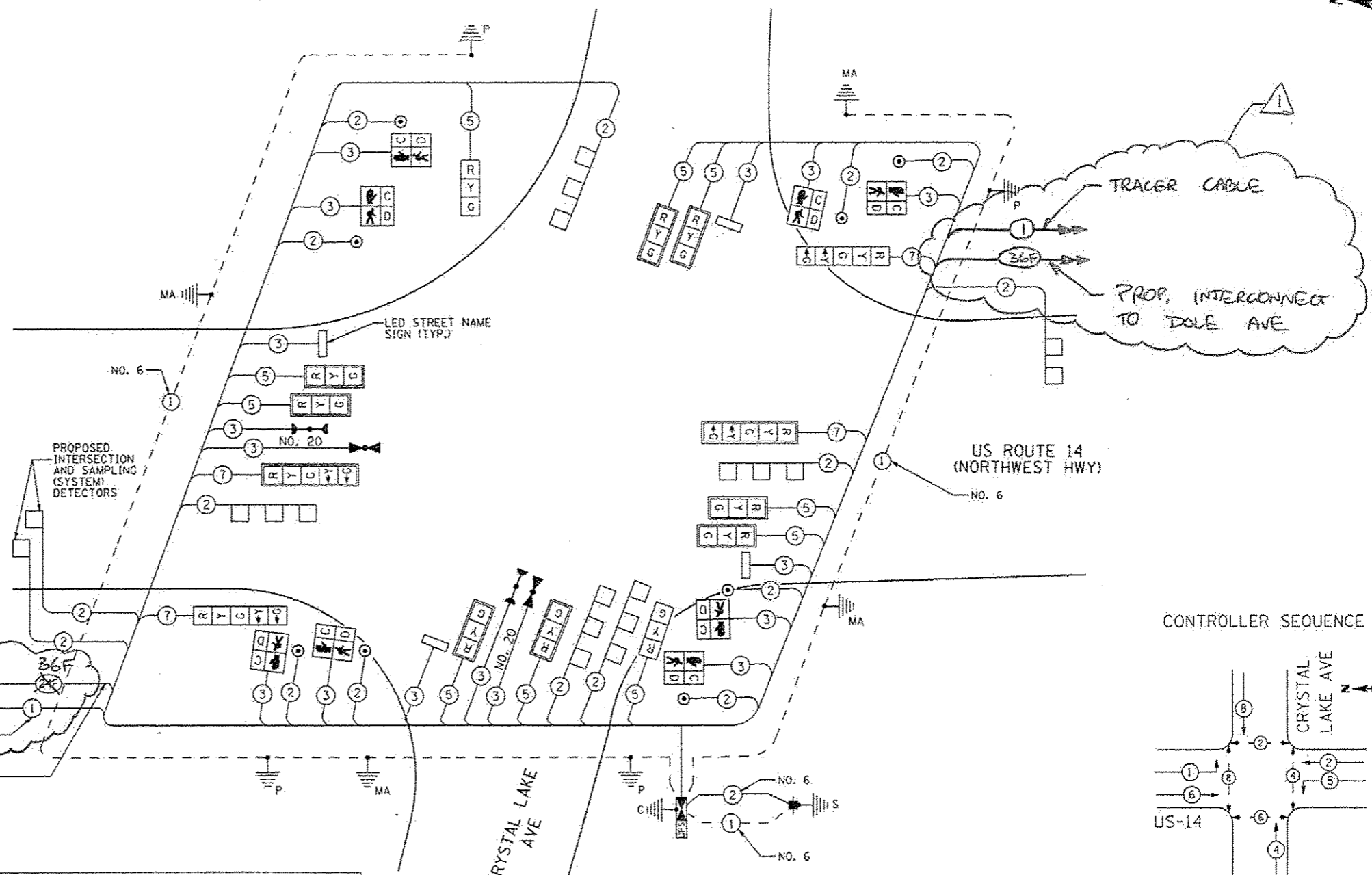
SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM,
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
US RTE. 14 AND WOODSTOCK ST.

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE. 305	SECTION 27R-3	COUNTY MCHEENRY	TOTAL SHEETS 431	SHEET NO. 308
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62517	

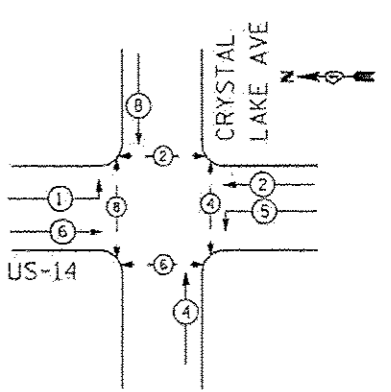
SCHEDULE OF QUANTITIES

ITEM	UNIT	QTY
LED INTERNALLY ILLUMINATED STREET NAME SIGN	EA	4
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FT	834
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FT	33
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FT	50
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FT	375
HANDHOLE	EA	4
HEAVY-DUTY HANDHOLE	EA	3
DOUBLE HANDHOLE	EA	2
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EA	1
TRANSCIVER - FIBER OPTIC	EA	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FT	3168
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FT	2017
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FT	1824
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FT	203
ELECTRIC CABLE IN CONDUIT, LEAD-IN NO. 14 1 PAIR	FT	2085
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2/C	FT	91
TRAFFIC SIGNAL POST, GALVANIZED STEEL 34 FT.	EA	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 36 FT.	EA	2
PEDESTRIAN PUSH-BUTTON POST, GALVANIZED STEEL, TYPE I	EA	1
STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EA	2
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EA	1
STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EA	1
CONCRETE FOUNDATION, TYPE A	FT	12
CONCRETE FOUNDATION, TYPE C	FT	4
CONCRETE FOUNDATION, TYPE E 36 INCH DIAMETER	FT	48
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EA	8
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EA	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EA	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EA	2
PEDESTRIAN SIGNAL HEAD, 1-FACE, LED, BRACKET MOUNTED WITH COUNTDOWN TIMER	EA	5
PEDESTRIAN SIGNAL HEAD, 2-FACE, LED, BRACKET MOUNTED WITH COUNTDOWN TIMER	EA	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINIUM	EA	10
INDUCTIVE LOOP DETECTOR	EA	8
LIGHT DETECTOR	EA	2
LIGHT DETECTOR AMPLIFIER	EA	1
DETECTOR LOOP, TYPE 1	FT	392
PEDESTRIAN PUSH-BUTTON	EA	8
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EA	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EA	1
REMOVE EXISTING HANDHOLE	EA	8
REMOVE EXISTING CONCRETE FOUNDATION	EA	6
TEMPORARY TRAFFIC SIGNAL TIMING	EA	1
SERVICE INSTALLATION - POLE MOUNTED	EA	1
UNINTERRUPTIBLE POWER SUPPLY SPECIAL	EA	1
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FT	601
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 20 3/C, TWISTED, SHIELDED	FT	472
100% LOCAL AGENCY COST		

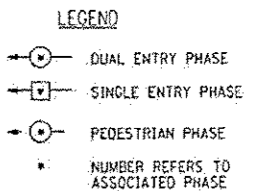


NOTE 1:
FOR FUTURE USE ONLY, NO CONNECTION AT THE CONTROLLER

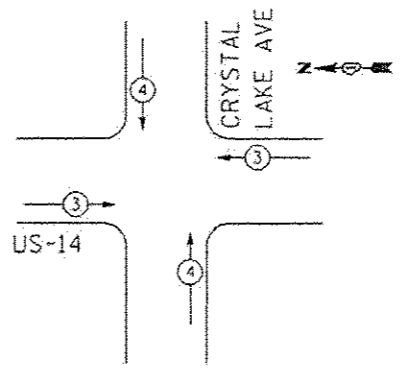
CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM



EMERGENCY VEHICLE PREEMPTION SEQUENCE



CABLE PLAN

PROPOSED EMERGENCY VEHICLE PREEMPTORS	
EMERGENCY VEHICLE PREEMPTOR	3 4
MOVEMENT	↔ ↕

NOTE:
THE EMERGENCY PREEMPTION EQUIPMENT FOR THIS PROJECT SHALL BE "OPTICOM" BRAND TO MATCH THE EXISTING CITY SYSTEM.

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

THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.

RESTORATION OF WORK AREA: RESTORATION OF THE TRAFFIC WORK AREA SHALL BE INCLUDED IN THE COST OF THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH, AND BACKFILL ETC. AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, 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.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. OF LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	14	135	17	0.50	119
(YELLOW)	14	135	25	0.25	87.5
(GREEN)	14	135	35	0.25	52.5
ARROW	8	135	12	0.10	9.6
PED. SIGNAL	8	90	25	1.00	200
CONTROLLER	1	100	100	1.00	100
LED SIGN	2	90	0.50		90
LED SIGN (6")	2	120	0.50		120

ENERGY COSTS TO: TOTAL = 778.6
CITY OF CRYSTAL LAKE
100 WEST WOODSTOCK ST
CRYSTAL LAKE, IL 60014
ENERGY SUPPLY: CONTACT: MIKE WIDHALM
PHONE: (815) 263-5624
COMPANY: COMED

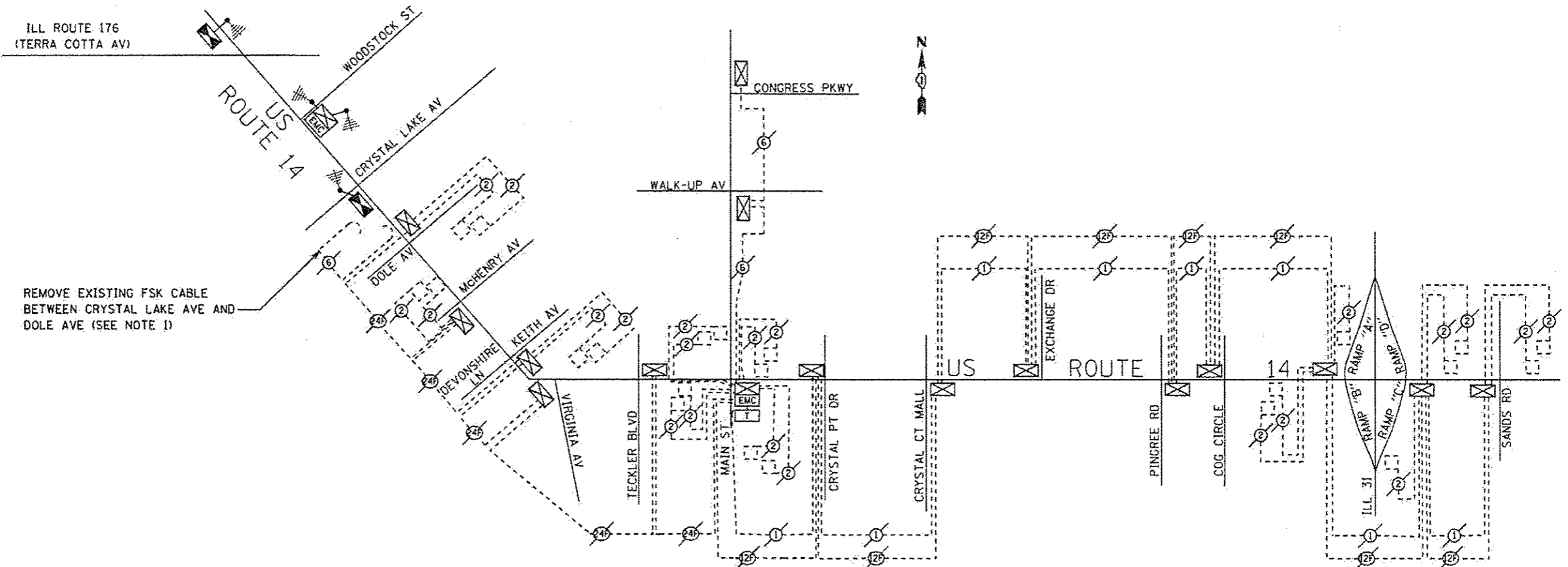
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		CHECKED: RS	REVISED:
		DATE: 10/15/2013	REVISED:

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
US RTE. 14 AND CRYSTAL LAKE AVE.

F.A.P. RTE. 305	SECTION 2TR-3	COUNTY MCHEENRY	TOTAL SHEETS 431	SHEET NO. 312
SCALE: NONE			CONTRACT NO. 62517	

EJM ENGINEERING, INC.
411 South Wells Street Suite 1000
Chicago, Illinois 60607



TEMPORARY TRAFFIC SIGNAL SYSTEM INTERCONNECT SCHEMATIC

NOTES:
 1. THE EXISTING INTERCONNECT CABLE BETWEEN CRYSTAL LAKE AV AND DOLE AV IS DAMAGED AND NON-FUNCTIONAL. ANY EXISTING CABLE SHALL BE REMOVED. THE EXISTING INTERCONNECT CONDUIT SHALL REMAIN IN PLACE, BUT NO NEW CONNECTION SHALL BE MADE BETWEEN CRYSTAL LAKE AV AND DOLE AV (SEE PROPOSED INTERCONNECT PLANS).

EJM ENGINEERING, INC.
 411 South Wells Street, Suite 1000
 Chicago, Illinois 60607

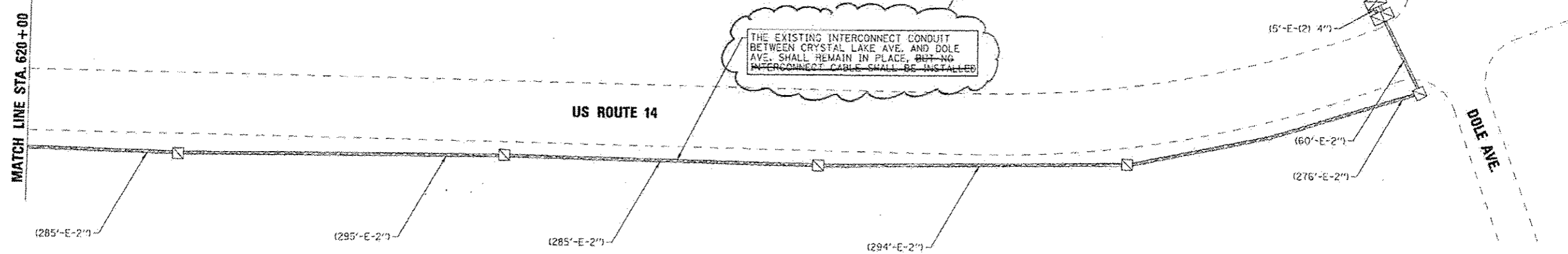
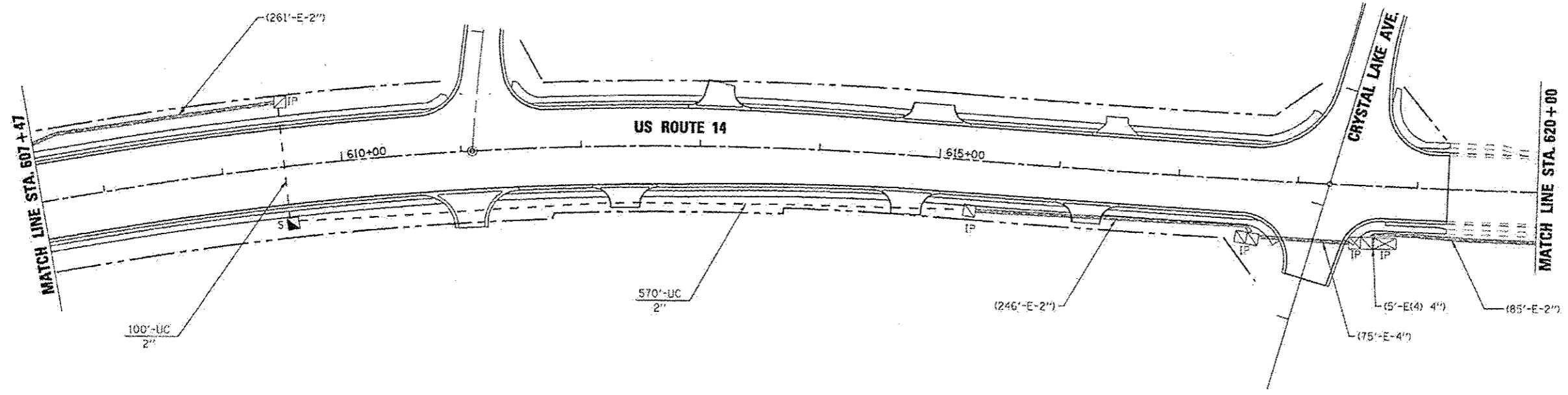
FILE NAME *	USER NAME * <i>rsawson</i>	DESIGNED * GR	REVISED * <i>LE 7/10/14</i>
...\\D162517-SHT-1C-TEMP SCHEMATIC.dgn		DRAWN * GR	REVISED *
		CHECKED * RE	REVISED *
		DATE * 10/15/2013	REVISED *

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US RTE. 14
TEMPORARY TRAFFIC SIGNAL INTERCONNECT SCHEMATIC

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO SFA.

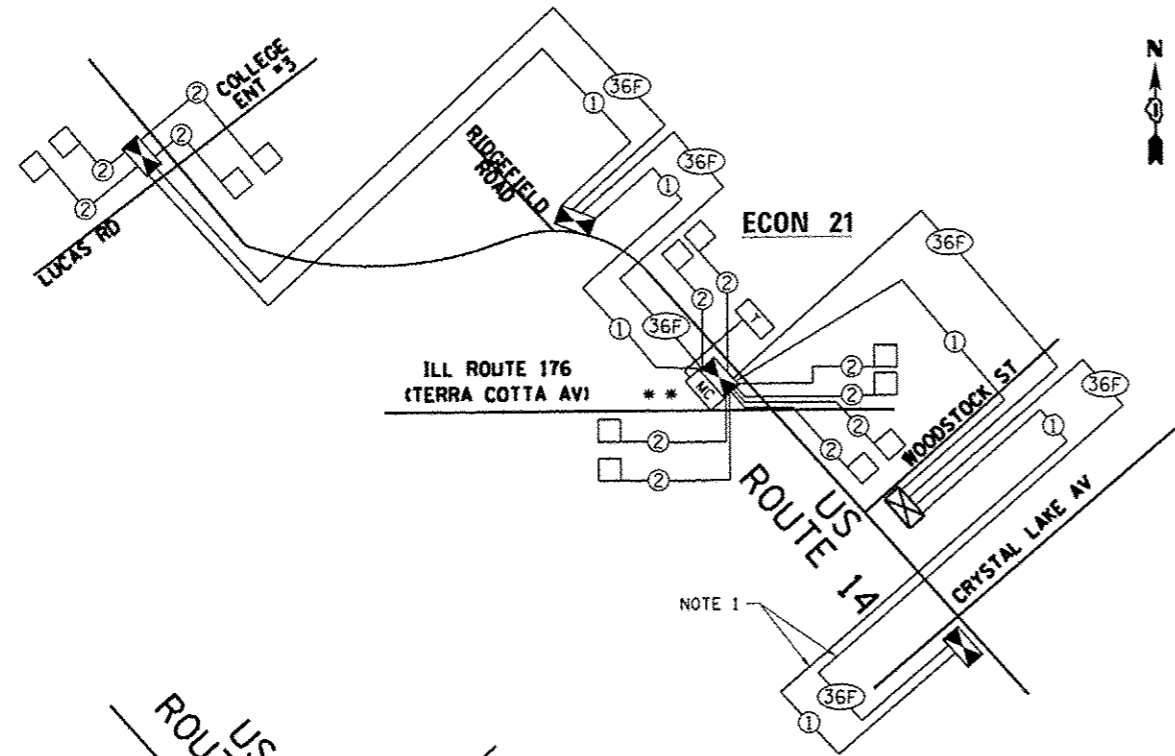
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	27R-3	MCHENRY	431	313
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62517	



THE EXISTING INTERCONNECT CONDUIT BETWEEN CRYSTAL LAKE AVE. AND DOLE AVE. SHALL REMAIN IN PLACE, BUT NO INTERCONNECT CABLE SHALL BE INSTALLED.

EJM ENGINEERING, INC.
 411 South Wells Street Suite 1000
 Chicago, Illinois 60607

FILE NAME ...N102517-541-TC05.dgn	USER NAME rswanson	DESIGNED GR	REVISION ALP 7/10/15	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US RTE. 14 TRAFFIC SIGNAL INTERCONNECT PLAN		F.A.P. RITE. 305	SECTION 2TR-3	COUNTY MCHENRY	TOTAL SHEETS 431	SHEET NO. 318
	PLOT SCALE = 20:1	CHECKED RS	REVISION		SCALE 50:1	SHEET NO. 5 OF 5 SHEETS	STA. 607+47 TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT	CONTRACT NO. 62517	
	PLOT DATE = 10/0/2013	DATE 10/15/2013	REVISION								

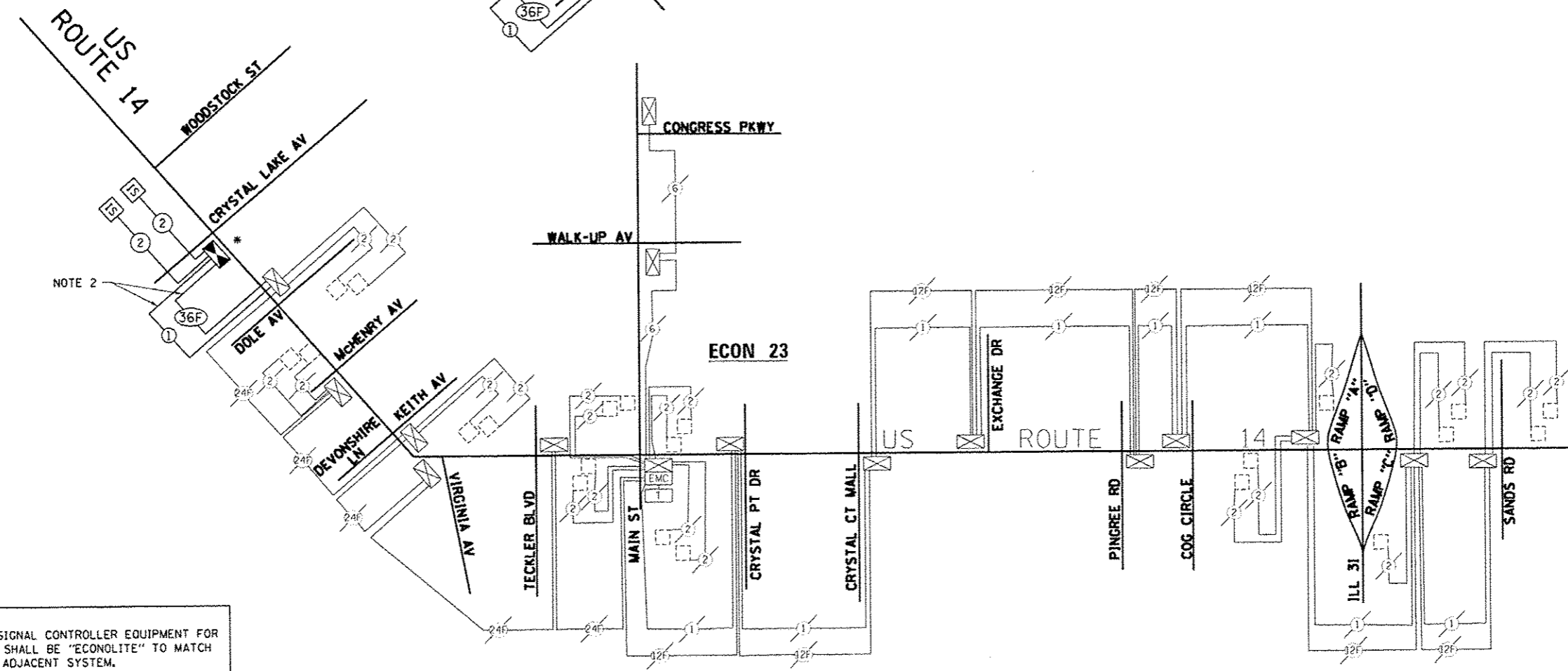


SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNITS	TOTAL QTY.
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	9,965
HANDHOLE	EACH	15
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	14,157
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	300
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	14,157
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1
OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1

NOTES

- CONTRACTOR SHALL INSTALL FIBER OPTIC INTERCONNECT AND TRACER CABLE BETWEEN WOODSTOCK ST AND CRYSTAL LAKE AVE BUT NO CONNECTIONS SHOULD BE MADE AT THE CONTROLLER CABINET. FIBER OPTIC AND TRACER CABLE ARE FOR FUTURE USE.
- CONTRACTOR SHALL INSTALL FIBER OPTIC INTERCONNECT AND TRACER CABLE BETWEEN CRYSTAL LAKE AVE AND DOLE AVE. CRYSTAL LAKE AVE INTERSECTION SHALL BE CONNECTED TO THE ECON 23 SYSTEM AT MAIN ST.



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

TRAFFIC SIGNAL SYSTEM INTERCONNECT SCHEMATIC

ECON 21 AND 23

EJM ENGINEERING, INC.
411 South Wells Street Suite 1000
Chicago, Illinois 60607

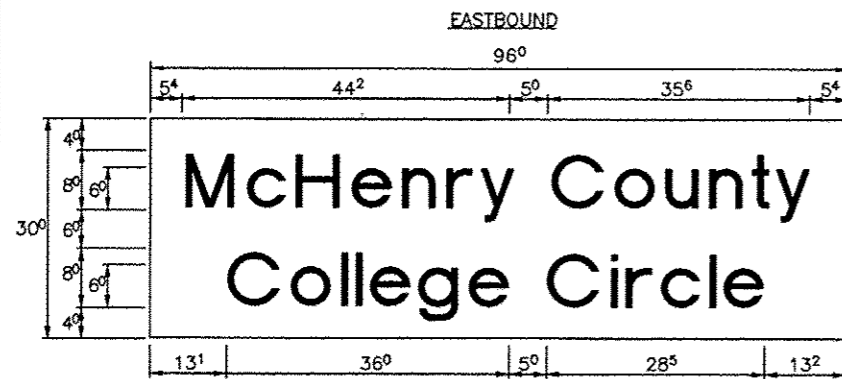


FILE NAME =	USER NAME = pccrcohl	DESIGNED - GR	REVISED - 1 LP 7/10/2014
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		CHECKED - RS	REVISED -
		DATE - 10/15/2013	REVISED -

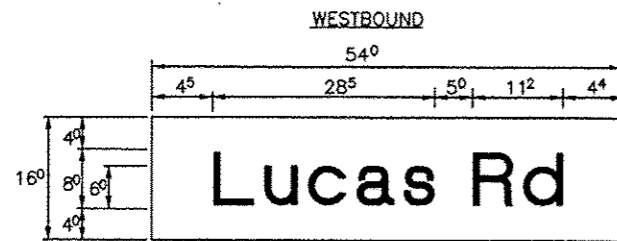
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

US RTE. 14	
TRAFFIC SIGNAL INTERCONNECT SCHEMATIC	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA. TO STA.	

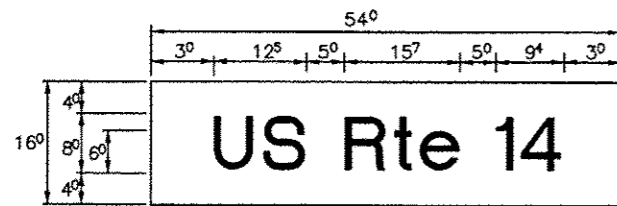
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	2TR-3	MCHENRY	431	319
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62517	



20.0 Sq. Ft each
 1 Required
 Design Series D



6.00 Sq. Ft each
 1 Required
 Design Series D



6.00 Sq. Ft each
 2 Required
 Design Series D

Upper Case To Lower Case
 Spacing Chart 8-6 Inch Series "C & D"

SERIES	SECOND LETTER																			
	acde				bhikl				fw		j		st		vy		x		z	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
A W X	12	14	14	15	12	14	06	10	11	14	06	10	11	12	12	14				
B	14	15	20	21	14	15	11	12	14	15	12	14	12	14	18	17				
C E G	14	15	20	21	12	14	06	10	12	14	12	14	14	15	14	15				
D O Q R	14	15	20	21	14	15	06	10	12	14	12	14	14	15	14	15				
F	06	06	14	15	06	10	06	06	06	10	06	10	06	10	11	12				
H I M N	20	21	22	24	20	21	14	15	16	17	16	17	20	21	20	21				
J U	20	21	20	21	16	17	14	15	16	17	16	17	16	17	20	21				
K L	11	12	16	17	11	12	06	06	11	12	11	12	11	12	12	14				
P	12	14	14	15	12	14	06	06	11	12	11	12	12	14	12	14				
S	12	14	16	17	12	14	06	10	12	14	12	14	12	14	12	14				
T	11	12	16	17	06	10	06	10	11	12	11	12	11	12	12	14				
V	06	10	14	15	11	12	06	10	12	14	12	14	12	14	12	14				
Y	06	06	14	15	06	10	06	06	06	06	06	06	10	11	12					
Z	16	17	22	24	16	17	12	14	16	17	16	17	16	17	20	21				

EXAMPLE, 2 ³/₈ DENOTES 2 ³/₈"

LETTERS	6 INCH UPPER CASE LETTERS		8 INCH UPPER CASE LETTERS		LETTERS	6 INCH LOWER CASE LETTERS	
	SERIES		SERIES			SERIES	
	C	D	C	D		C	D
A	3 ⁸	5 ⁰	5 ⁰	6 ⁵	a	3 ⁸	4 ²
B	3 ²	4 ⁰	4 ³	5 ³	b	3 ⁸	4 ²
C	3 ²	4 ⁰	4 ³	5 ³	c	3 ⁸	4 ¹
D	3 ²	4 ⁰	4 ³	5 ³	d	3 ⁸	4 ²
E	3 ⁰	3 ⁵	4 ⁰	4 ⁷	e	3 ⁸	4 ²
F	3 ⁰	3 ⁵	4 ⁰	4 ⁷	f	2 ³	2 ⁶
G	3 ²	4 ⁰	4 ³	5 ³	g	3 ⁸	4 ²
H	3 ²	4 ⁰	4 ³	5 ³	h	3 ⁸	4 ²
I	0 ⁷	0 ⁷	1 ¹	1 ²	i	1 ¹	1 ¹
J	3 ⁰	3 ⁶	4 ⁰	5 ⁰	j	2 ⁰	2 ²
K	3 ²	4 ¹	4 ³	5 ⁴	k	3 ⁸	4 ²
L	3 ⁰	3 ⁵	4 ⁰	4 ⁷	l	1 ¹	1 ¹
M	3 ⁷	4 ⁵	5 ¹	6 ¹	m	6 ⁰	7 ⁰
N	3 ²	4 ⁰	4 ³	5 ³	n	3 ⁸	4 ²
O	3 ⁴	4 ²	4 ⁵	5 ⁵	o	3 ⁸	4 ³
P	3 ²	4 ⁰	4 ³	5 ³	p	3 ⁸	4 ²
Q	3 ⁴	4 ²	4 ⁵	5 ⁵	q	3 ⁸	4 ²
R	3 ²	4 ⁰	4 ³	5 ³	r	2 ⁶	3 ⁸
S	3 ²	4 ⁰	4 ³	5 ³	s	3 ⁸	4 ²
T	3 ⁰	3 ⁵	4 ⁰	4 ⁷	t	2 ⁷	3 ⁸
U	3 ²	4 ⁰	4 ³	5 ³	u	3 ⁸	4 ²
V	3 ⁵	4 ⁴	4 ⁷	6 ⁰	v	4 ²	4 ⁷
W	4 ⁴	5 ²	6 ⁰	7 ⁰	w	5 ⁵	6 ⁴
X	3 ⁴	4 ⁰	4 ⁵	5 ³	x	4 ⁴	5 ¹
Y	3 ⁶	5 ⁰	5 ⁰	6 ⁶	y	4 ⁶	5 ³
Z	3 ²	4 ⁰	4 ³	5 ³	z	3 ⁸	4 ³

Lower Case To Lower Case
 Spacing Chart 6 Inch Series "C & D"

SERIES	SECOND LETTER																			
	acde				bhikl				fw		j		st		vy		x		z	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
ad h g i j	16	17	22	24	16	17	12	14	14	15	14	15	16	17	16	17				
l m n q u	12	14	16	17	11	12	06	06	11	12	11	12	12	14	12	14				
b f k o p s	12	14	16	17	12	14	06	10	12	14	12	14	12	14	12	14				
c e	12	14	16	17	12	14	06	10	12	14	12	14	12	14	12	14				
r	06	10	12	14	06	10	06	06	06	06	06	06	10	10	06	10				
t z	12	14	16	17	12	14	06	10	11	12	11	12	12	14	12	14				
v y	11	12	14	15	11	12	06	06	06	10	06	10	11	12	11	12				
w	11	12	14	15	11	12	06	06	11	12	11	12	11	12	12	14				
x	12	14	16	17	11	12	06	06	11	12	11	12	11	12	12	14				

Number To Number
 Spacing Chart 8 Inch Series "C & D"

SERIES	SECOND LETTER																			
	0		1		2		3		4		5		6		7		8		9	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
0 9	16	17	16	17	14	15	12	14	14	15	14	15	16	17	12	14	16	17	16	17
1	20	21	20	21	20	21	16	17	14	15	20	21	20	21	14	15	20	21	20	21
2 3 4	14	15	14	15	14	15	12	14	14	15	14	15	14	15	11	12	16	17	14	15
5	14	15	14	15	14	15	11	12	11	12	14	15	14	15	11	12	14	15	14	15
6	16	17	14	15	14	15	12	15	12	14	14	15	14	15	11	12	14	15	14	15
7	12	14	12	14	14	15	12	15	06	06	12	14	14	15	11	12	14	15	12	14
8	16	17	16	17	14	15	12	15	12	14	14	15	16	17	12	14	16	17	14	15

NUMBER	6 INCH SERIES		8 INCH SERIES	
	C	D	C	D
	1	12	14	15
2	3 ²	4 ⁰	4 ³	5 ³
3	3 ²	4 ⁰	4 ³	5 ³
4	3 ⁵	4 ³	4 ⁷	5 ⁷
5	3 ²	4 ⁰	4 ³	5 ³
6	3 ²	4 ⁰	4 ³	5 ³
7	3 ²	4 ⁰	4 ³	5 ³
8	3 ²	4 ⁰	4 ³	5 ³
9	3 ²	4 ⁰	4 ³	5 ³
0	3 ⁴	4 ²	4 ⁵	5 ⁵

GENERAL NOTES

- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012. AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 60 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND, TYPE A SHEETING.
- THE SIGN LENGTH SHOULD BE INCREASED IN 6 INCH INCREMENTS, BUT THE OVERALL LENGTH SHOULD NOT EXCEED 8'-0".
- ALL BORDERS SHALL BE 9" WIDE AND CORNER RADIUS SHALL BE 2'-4".
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS. LOCAL SUPPLIERS OF THE SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM ARE:
 * J.C. HERBERT CO. * WESTERN REMAC INC.
 MIDLOTHIAN, VA. WOODRIDGE, IL

PARTS LISTING:
 SIGN CHANNEL PART #HPN653 (MED. CHANNEL)
 SIGN SCREWS * x 14 x 1" H.W.H. #5
 BRACKETS SELF TAPPING WITH NEOPRENE WASHER
 PART #HPN654 (UNIVERSAL)
 CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING
 OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BACKET OF THE ABOVE PRODUCT.

1. SIGNS SHALL BE 2-SIDED WITH THE SAME MESSAGE ON BOTH SIDES OF THE SIGN.

