



NHPP

STP

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE										
				URBAN			80% FEDERAL 20% STATE				50% FEDERAL 20% CITY OF OAK FOREST			
				ROADWAY 0004 URBAN	BOX CULVERT 0004 016-2849	TRAFFIC SIGNALS 0021 URBAN	ROADWAY 0004 URBAN	BOX CULVERT 0004 016-2849	HIGHWAY LIGHTING 0021 URBAN	TRAFFIC SIGNALS 0021 URBAN	UTILITY 0043 URBAN			
60608300	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12	FOOT	600	600										
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SO FT	2500	2500										
60619600	CONCRETE MEDIAN, TYPE SB-6.12	SO FT	72	72										
60626300	STABILIZED MEDIAN SURFACE	SO YD	213	213										
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1	1										
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	2	2										
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	1	1										
63200310	GUARDRAIL REMOVAL	FOOT	178	178										
66400305	CHAIN LINK FENCE, 6'	FOOT	68				68							
66407600	CHAIN LINK GATES, 6' X 12' DOUBLE	EACH	1				1							
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	4,010	4,010										
* 66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1	1										
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	5	5										
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	14	14										

\* SPECIALTY ITEM

FILE NAME: D:\Engineering\Live\Projects\13003 IDOT ERM\3002a - W0 3 Contract No. 60K73\CD\CD\CADD Sheets\Civil\0160673-11-500.dgn

	USER NAME = john	DESIGNED - PP	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b> <b>US ROUTE 6 (159TH ST.) AND IL ROUTE 50 (CICERO AVE.)</b>				F.A.P. RTE. 351	SECTION 537 & 3277-Z16-1	COUNTY COOK	TOTAL SHEETS 184	SHEET NO. 11	
	PLOT SCALE = 2.0000' / 1" =	CHECKED - JMT	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 60K73			
	PLOT DATE = 6/30/2017	DATE - 6/30/2017	REVISED -											
	 REV 9-5-17													

NHPP

STP

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE									
				URBAN			80% FEDERAL		20% STATE		80% FEDERAL		30% CITY OF OAK FOREST
				ROADWAY	BOX CULVERT	TRAFFIC SIGNALS	ROADWAY	BOX CULVERT	HIGHWAY LIGHTING	TRAFFIC SIGNALS	UTILITY		
				0004 URBAN	0004 016-2849	0021 URBAN	0004 URBAN	0004 016-2849	0021 URBAN	0021 URBAN	0043 URBAN		
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	300	300									
70600241	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	2	2									
70600341	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	2	2									
* 72000100	SIGN PANEL - TYPE 1	SQ FT	158	128		30							
* 72000200	SIGN PANEL - TYPE 2	SQ FT	47.5			47.5							
* 72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	5	5									
* 72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	71.7	46.2		25.5							
* 72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	2	2									
* 72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	55.6	55.6									
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	1	1									
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	271	256			15						
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	582	545			37						
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	12085	12085									
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2717	2614			103						

\* SPECIALTY ITEM

FILE NAME = G:\Engineering\Level\Projects\13883\DOT\DOT\13883 - WD 3\Contract No. 60K73\CONTRACT\Sheet\13883-11-500.dgn



USER NAME = johnn	DESIGNED - PP	REVISED -
DRAWN - JN	CHECKED - JMT	REVISIED -
PLOT SCALE = 2.0000' / 1"	DATE - 6/30/2017	REVISIED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**  
**US ROUTE 6 (159TH ST.) AND IL ROUTE 50 (CICERO AVE.)**

F.A.P. RTE. 351	SECTION (537 & 3277-ZIB-1)	COUNTY COOK	TOTAL SHEETS 184	SHEET NO. 13
CONTRACT NO. 60K73				
ILLINOIS FED. AID PROJECT				

REV 9-5-17

REV

THERMOPLASTIC PAVEMENT MARKING SCHEDULE					
LOCATION STATION TO STATION	OFFSET	4" (FT)	6" (FT)	12" (FT)	24" (FT)
WHITE SKIP DASH - 10' DASH AND 30' SKIP					
209+30 TO 211+86	RT	70			
212+36 TO 228+24	RT	410			
220+00 TO 231+42	LT	300			
220+00 TO 231+42	RT	70			
233+03 TO 242+00	LT	230			
233+04 TO 240+50	RT	200			
50+00 TO 62+59	RT	320			
58+00 TO 62+51	LT	120			
63+82 TO 73+20	RT	240			
63+82 TO 75+85	LT	310			
SOLID YELLOW					
220+00 TO 231+56	LT & RT	2312			
232+98 TO 237+57	LT & RT	918			
DOUBLE YELLOW					
56+92 TO 58+72	LT & RT	742			
58+72 TO 62+50	LT	1512			
63+83 TO 65+84	RT	804			
65+84 TO 66+74	LT & RT	364			
66+74 TO 67+77	LT	412			
68+56 TO 70+56	LT & RT	414			
68+56 TO 72+00	LT & RT	688			
SOLID WHITE EDGE LINES					
220+00 TO 228+09	LT	809			
220+00 TO 228+40	RT	840			
TURN LANE (SOLID WHITE)					
58+87 TO 62+50	RT	363			
62+80 TO 63+66	RT	86			
62+82 TO 63+64	RT	82			
63+83 TO 65+31	LT	148			
63+83 TO 65+84	LT	201			
66+74 TO 67+74	RT	100			
68+62 TO 69+51	LT	89			
229+13 TP 231+41	RT	456			
230+51 TO 231+41	RT	90			
231+39 TO 232+80	LT	141			
231+55 TO 232+66	LT	111			
233+04 TO 234+65	LT	161			
233+04 TO 234+90	LT	186			
TURN LANE (WHITE SKIP DASH, 2' DASH, 6' SKIP)					
57+12 TO 58+87	RT	46			
63+16 TO 63+83	LT & RT	124			
65+31 TO 67+00	LT	44.3			
65+84 TO 66+74	LT	24.5			
65+84 TO 66+74	RT	24.5			
69+51 TO 71+25	LT	45.5			
226+13 TO 229+13	RT	77			
230+08 TO 230+51	RT	12.8			
234+65 TO 236+68	LT	52.8			
234+90 TO 236+90	RT	52			
12" CROSS WALK, MEDIAN DIAGONALS, 24" STOP BARS (WHITE)					
228+34	LT		126	13	
229+00	RT		72	13	
231+42	LT & RT		212	56	
232+89	LT & RT		301	44	
56+89 TO 58+72	LT & RT		55		
62+63	LT & RT		236	35	
63+70	LT & RT		432	60	
68+53 TO 70+56	LT & RT		30		
TOTAL		12,085	2717	1464	221

SHORT TERM PAVEMENT MARKING SCHEDULE		
LOCATION STATION TO STATION	OFFSET	LENGTH (FT)
LANE LINES		
209+30 TO 211+86	RT	28
212+36 TO 228+24	RT	148
220+00 TO 231+42	LT	108
220+00 TO 231+42	RT	24
233+03 TO 242+00	LT	84
233+04 TO 240+50	RT	72
50+00 TO 62+59	RT	120
58+00 TO 62+51	LT	44
63+82 TO 73+20	RT	88
63+82 TO 75+85	LT	112
SINGLE AND DOUBLE YELLOW LINES		
220+00 TO 231+56	LT & RT	216
232+98 TO 237+57	LT & RT	88
56+89 TO 58+72	LT & RT	40
58+72 TO 62+50	LT	160
63+83 TO 65+84	RT	96
65+84 TO 66+74	LT & RT	48
66+74 TO 67+77	LT	48
68+56 TO 70+56	LT & RT	72
68+56 TO 72+00	LT & RT	48
SOLID WHITE TURN LANES		
58+72 TO 62+50	RT	40
62+80 TO 63+66	RT	12
62+82 TO 63+64	RT	12
63+83 TO 65+31	LT	16
63+83 TO 65+84	LT	24
66+74 TO 67+74	RT	12
68+62 TO 69+51	LT	12
229+13 TP 231+41	RT	24
230+51 TO 231+41	RT	12
231+39 TO 232+80	LT	16
231+55 TO 232+66	LT	16
233+04 TO 234+65	LT	20
233+04 TO 234+90	LT	20
STOP BARS		
228+34	LT & RT	13
229+00	LT & RT	13
231+42	LT & RT	56
232+89	LT & RT	44
62+63	LT & RT	35
63+70	LT & RT	60
LETTERS AND SYMBOLS		
US 6		767.2
IL 50		949.2
MULTIPLE FACTOR 5		
ROUNDED TOTAL		19,087

THERMOPLASTIC LETTERS AND SYMBOLS			
STATION	OFFSET	SYMBOL	AREA (SQ FT)
59+00	RT	ONLY	20.8
59+26	RT	ARROW	15.6
62+07	RT	ONLY	20.8
62+33	RT	ARROW	15.6
63+92	LT	ARROW	15.6
64+18	LT	ONLY	20.8
64+92	LT	ARROW	15.6
65+18	LT	ONLY	20.8
65+45	LT	ARROW	15.6
65+71	LT	ONLY	20.8
66+87	RT	ONLY	20.8
67+13	RT	ARROW	15.6
69+12	LT	ARROW	15.6
69+38	LT	ONLY	20.8
228+50	LT	ONLY	15.6
228+50	LT	ARROW	20.8
228+92	RT	ARROW	20.8
228+92	RT	ONLY	15.6
229+26	RT	ONLY	20.8
229+52	RT	ARROW	15.6
229+26	RT	ONLY	20.8
229+52	RT	ARROW	15.6
230+65	RT	ONLY	20.8
230+91	RT	ARROW	15.6
231+03	RT	ONLY	20.8
231+03	RT	ARROW	15.6
231+03	RT	ONLY	20.8
231+03	RT	ARROW	15.6
234+26	LT	ARROW	15.6
234+50	LT	ARROW	15.6
234+52	LT	ONLY	20.8
234+77	LT	ONLY	20.8
TOTAL			582

RAISED REFLECTIVE PAVEMENT MARKER		
LOCATION STATION TO STATION	TYPE	PAVEMENT MARKER (EACH)
65+22 TO 66+53	2-WAY AMBER	10
64+43 TO 65+31	1-WAY CRYSTAL	4
65+22 TO 65+86	1-WAY CRYSTAL	3
64+81 TO 66+31	1-WAY CRYSTAL	6
65+44 TO 66+80	1-WAY CRYSTAL	6
220+00 TO 231+42	1-WAY CRYSTAL	31
220+00 TO 231+42	1-WAY CRYSTAL	31
229+13 TO 231+41	1-WAY CRYSTAL	14
230+51 TO 231+41	1-WAY CRYSTAL	4
233+04 TO 236+94	1-WAY CRYSTAL	12
233+04 TO 237+57	1-WAY CRYSTAL	14
233+05 TO 234+90	1-WAY CRYSTAL	6
233+05 TO 234+65	1-WAY CRYSTAL	5
TOTAL		146

FILE NAME: D:\Engineering\Luve\Projects\13003\DOT\_DUR\13003 - W3\_Contract No. 60K73\CD\Drawings\Drawings\13003-3-17-SchedQuant.dwg



USER NAME: john  
 PLOT SCALE: 2,000' / in.  
 PLOT DATE: 9/1/2017

DESIGNED: AB  
 DRAWN: AB  
 CHECKED: JMT  
 DATE: 9/1/2017

REVISED: 09/01/2017 TGM  
 REVISED:  
 REVISED:  
 REVISED:

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES  
 US ROUTE 6 (159TH ST.) AND IL ROUTE 50 (CICERO AVE.)  
 SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 351	SECTION (537 & 3277-ZIB-1)	COUNTY COOK	TOTAL SHEETS 184	SHEET NO. 27
CONTRACT NO. 60K73				ILLINOIS FED. AID PROJECT

REV 9-5-17





**INDEX OF SHEETS**

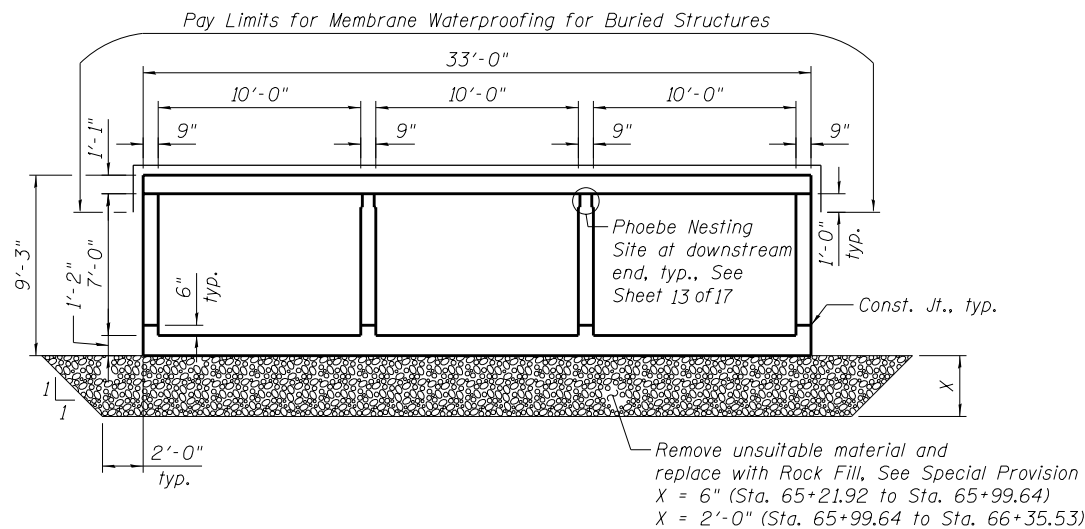
- |  |   |
|--|---|
| 1. General Plan and Elevation                                | 9. Culvert Barrel Sections and Weir Details             |
| 2. General Notes, Index of Sheets and Total Bill of Material | 10. Wingwall Details                                    |
| 3. Bottom Slab Layout  | 11. Junction Chamber Details                            |
| 4. Construction Staging IL Route 50 (Cicero Ave.)            | 12. Access Manhole Details                              |
| 5. Temporary Concrete Barrier for Stage Construction         | 13. Culvert and Reinforcing Details                     |
| 6. Temporary Sheet Piling and Soldier Pile Wall Details      | 14. Bar Splicer Assembly And Mechanical Splicer Details |
| 7. Culvert Plan US Rte. 6 (159th. St.)                       | 15. Boring Logs-I                                       |
| 8. Culvert Plan IL Rte. 50 (Cicero Ave.)                     | 16. Boring Logs-II                                      |
|  | 17. Boring Logs-III                                     |

**GENERAL NOTES**

- Precast alternative is not allowed.
- Reinforcement bars designated (E) shall be epoxy coated.
- All excavation required for construction of the culvert as shown in these plans and in accordance with the Standard Specifications shall be included in the cost for Concrete Box Culverts.
- The Contractor is advised that the existing bridge carrying US 6 and existing box culvert carrying IL 50 is in a deteriorated condition with reduced load carrying capacity. It is the Contractor's responsibility to account for the condition of the culvert when developing construction procedures for the removal and replacement of the culvert.
- The Contractor shall be responsible to divert the stream flow during construction to keep construction area free of water. The method of water diversion shall be subject to the approval of the Engineer and the cost shall be included in the cost for Concrete Box Culverts.
- Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
- The limits and quantities of soil removal and replacement shown are based on the boring data and may be modified by the District Geotechnical and Field Engineers for variable subsurface conditions encountered in the field.
- The Contractor cannot construct the culvert past the mandatory construction joint shown on sheet 3 of 17 until traffic on IL 50 is shifted to Stage II traffic patterns.
- Concrete Sealer shall be applied to the inside and top surface of the concrete barrier at the downstream end of the culvert.
- If the Contractor chooses to construct the upstream side of the culvert before detouring traffic on US Rte. 6, it shall be the Contractor's responsibility to maintain a safe distance from the edge of the roadway to facilitate an open cut construction of the culvert.

**TOTAL BILL OF MATERIAL**

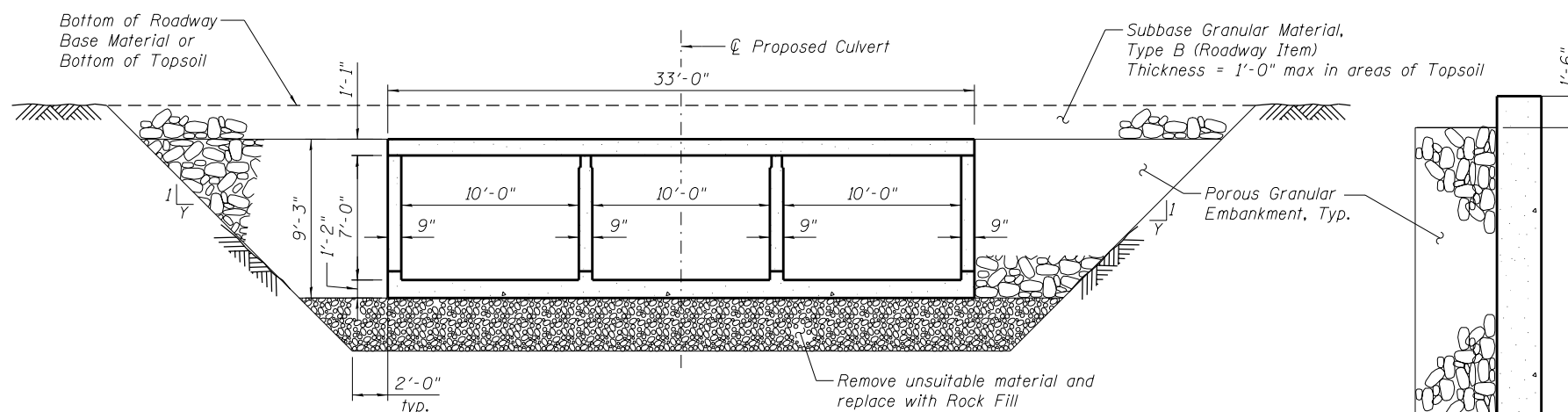
ITEM	UNIT	TOTAL
Porous Granular Embankment	Cu Yd	2603
Stone Riprap, Class A5	Sq Yd	124
Filter Fabric	Sq Yd	124
Removal of Existing Structures No. 1	Each	1
Removal of Existing Structures No. 2	Each	1
Removal and Disposal of Unsuitable Material for Structures	Cu Yd	957
Reinforcement Bars, Epoxy Coated	Pound	281,940
Bar Splicers	Each	672
Name Plates	Each	1
Temporary Sheet Piling	Sq Ft	4522
Permanent Sheet Piling	Sq Ft	426
Furnishing Soldier Piles (HP Section)	Foot	242
Drilling and Setting Soldier Piles (In Soil)	Cu Ft	1184
Untreated Timber Lagging	Sq Ft	298
Concrete Box Culverts	Cu Yd	1866.2
Concrete Sealer	Sq Ft	263
Remove Sheet Piling	L Sum	1
Membrane Waterproofing for Buried Structures	Sq Yd	2135
Rock Fill	Cu Yd	323



**SECTION THRU BARREL**  
(At Right L's to Culvert)

**NOTE:**

Excavation for construction of the box culvert and the wingwalls, including the excavation necessary to construct the Porous Granular Embankment, is included with the cost of Concrete Box Culverts.



**SECTION THRU BARREL**  
(At Right L's to Culvert)

**SECTION THRU WINGWALLS**

Station (IL-50)	Y
61+71.70 to 65+21.93	1.0
65+21.93 to 66+36.53	1.5

**SCOPE OF WORK**

- Detour existing traffic on US 6 for Stage I Construction as shown on detour plan. Install Temporary Sheet Piling and Temporary Soldier Pile Wall at upstream end of the culvert as shown on the plans and as directed by the Engineer.
- Remove existing roadway and bridge carrying US 6 over Midlothian Creek.
- Construct proposed culvert and roadway in Stage I Construction from the upstream end of the culvert to the mandatory construction joint as shown on Sheet 3 of 17. Construct wingwalls at upstream end.
- Remove Temporary Sheet Piling and Temporary Soldier Pile wall after the wingwalls are constructed at the upstream end as directed by the Engineer.
- Reopen US 6 for all traffic. Shift traffic on IL 50 to Stage II traffic pattern as shown on Sheet 4 of 17.
- Install Temporary Sheet Piling at the Stage Construction line on IL 50 as shown on the plans and as directed by the Engineer. Remove existing roadway and culvert carrying southbound lanes of IL 50 over Midlothian Creek. Remove existing sheet piling along IL 50 at the upstream end of the existing culvert.
- Construct Junction Chamber, and proposed culvert and roadway in Stage II Construction from mandatory construction joint to the stage construction line on IL 50.
- Shift traffic on newly constructed roadway and remove existing culvert and roadway carrying northbound lanes of IL 50 over Midlothian Creek.
- Construct proposed culvert and roadway in Stage III Construction. Construct wingwalls at downstream end. Install Permanent Sheet Piling at north wingwall.
- Re-establish the flow through proposed culvert.

**DRAINAGE PIPE SCHEDULE**

No.	Pipe Dia.	Location	Station	Offset	Invert Elev.	Skew Angle
P-7	12"	S. Sidewall	62+75.58 (IL 50)	117.68' (LT)	640.10	09°53'20"
P-8	24"	N. Sidewall	62+91.30 (IL 50)	147.31' (LT)	Match Exist.	16°47'11"
P-10	12"	S. Sidewall	63+68.63 (IL 50)	87.98' (LT)	639.80	90°00'00"
P-11	60"	N. Sidewall	64+23.66 (IL 50)	105.06' (LT)	635.80	25°43'20"
P-12	12"	S. Sidewall	64+72.56 (IL 50)	54.81' (LT)	639.10	90°00'00"
P-13	12"	N. Sidewall	64+97.38 (IL 50)	81.53' (LT)	639.40	90°00'00"
P-14	12"	N. Sidewall	65+68.68 (IL 50)	34.63' (LT)	639.10	90°00'00"
P-15	54"	S. Sidewall	65+94.29 (IL 50)	28.57' (RT)	635.00	90°00'00"
P-16	12"	N. Sidewall	66+52.20 (IL 50)	33.00' (RT)	637.29	51°17'41"

FILE NAME = D:\Engineering\Live\Projects\3003 IDOT DUR\3003c - W0 3 Contract No. 60K73\CADD\CADD Sheets\Structural\016-2843-60K73-02-GENERAL NOTES, INDEX OF SHEETS.dgn



USER NAME = johnn	DESIGNED - SAT	REVISED - 09/05/2017 SAT
PLOT SCALE = 5/4" = 1' in.	CHECKED - SPS	REVISED
PLOT DATE = 9/5/2017	DRAWN - JN	REVISED
	CHECKED - SPS	REVISED

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES, INDEX OF SHEETS AND TOTAL BILL OF MATERIAL**  
**STRUCTURE NO. 016-2849**  
SHEET NO. 2 OF 17 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	(537 & 3277-Z/B-1	COOK	184	127
<b>CONTRACT NO. 60K73</b>				
ILLINOIS FED. AID PROJECT				