

**INDEX OF SHEETS \***

1 COVER SHEET - VOLUME 1 OF 2  
 2 INDEX OF SHEETS, LEGEND & GENERAL NOTES  
 3 JOB SPECIFIC NOTES, COMMITMENTS, & PHONE NUMBERS  
 4 STATUS OF UTILITIES TO BE ADJUSTED (TO BE SUPPLIED BY IDOT)  
 5 - 24A SUMMARY OF QUANTITIES  
 25 - 26 EXISTING TYPICAL SECTIONS - US 67  
 27 - 32 TYPICAL SECTIONS (ALT. A) - IL 336 & RAMPS  
 33 - 38 TYPICAL SECTIONS (ALT. B) - IL 336 & RAMPS  
 39 TYPICAL SECTIONS RESURFACING - US 67  
 40 - 47 TYPICAL SECTIONS (ALT. A) - US 67  
 48 - 55 TYPICAL SECTIONS (ALT. B) - US 67  
 56 TYPICAL SECTIONS - SIDEROADS  
 57 - 59 SUPERELEVATION TRANSITION DETAILS  
 60 - 73 SCHEDULES OF QUANTITIES  
 74 PROJECT LINE DIAGRAM  
 75 - 88 ALIGNMENT LAYOUTS  
 89 - 94 ALIGNMENT TIES AND BENCHMARKS  
 95 - 98 MAINTENANCE OF TRAFFIC SCHEMATICS - SIDEROADS  
 99 - 116 STAGE CONSTRUCTION PLANS - US 67  
 117 - 182 STAGE CONSTRUCTION CROSS SECTIONS - US 67  
 183 - 184 REMOVAL PLANS - US 67  
 185 - 210 ROADWAY PLAN & PROFILE - IL 336  
 211 - 231 ROADWAY PLAN & PROFILE - SIDEROADS & RAMPS  
 232 - 238 ROADWAY PLAN & PROFILE - US 67  
 239 - 243 DRAINAGE PLAN & PROFILE - SIDEROADS  
 244 - 250 DRAINAGE PLAN & PROFILE - US 67  
 251 - 259 EROSION CONTROL PLANS - SIDEROADS & US 67  
 260 - 275 RIGHT OF WAY PLANS  
 276 - 281 INTERSECTION DETAILS  
 282 - 283 CROSSOVER DETAILS  
 284 - 298 ROADWAY JOINT PLANS (ALT. A)  
 299 - 323 PAVEMENT MARKING & SIGNING PLANS  
 324 - 351 SIGNING DETAILS & SCHEDULES  
 352 - 360 LIGHTING PLANS & DETAILS  
 361 - 413 BRIDGE PLANS - EAST FORK LAMOINE RIVER (SN 055-0046)  
 414 - 432 BRIDGE PLANS - WILDLIFE CROSSING #1 (SN 055-0068)  
 433 - 461 BRIDGE PLANS - IL 336/IL 110 OVER CH 14 (SN 055-0070)  
 462 - 482 BRIDGE PLANS - WILDLIFE CROSSING #2 (SN 055-0072)  
 483 - 505 BRIDGE PLANS - TR 950E OVER IL 336/IL 110 (SN 055-0074)  
 506 - 525 BRIDGE PLANS - WILDLIFE CROSSING #3 (SN 055-0075)  
 526 - 552 BRIDGE PLANS - CH 20 OVER IL 336/IL 110 (SN 055-0077)  
 553 - 578 BRIDGE PLANS - TR 1100E OVER IL 336/IL 110 (SN 055-0078)  
 579 - 583 BOX CULVERT EXTENSION - US 67 OVER DRAINAGE DITCH (SN 055-2508)  
 584 - 585 RAMP TERMINAL DETAILS  
 586 - 589 SPECIAL DETAILS  
 590 - 614 DISTRICT 4 STANDARD DETAILS  
 615 COVER SHEET - VOLUME 2 OF 2  
 616 - 764 CROSS SECTIONS - IL 336/IL 110  
 765 - 852 CROSS SECTIONS - SIDEROADS & RAMPS  
 853 - 874 CROSS SECTIONS - US 67

\* INCLUDES SHEETS 24A, 396A, 421A, 444A, 470A, 490A, 514A, 549A AND 574A

**LIST OF STANDARDS**

(UNLESS OTHERWISE NOTED, STANDARDS SHALL APPLY TO ALTERNATE A & B)

000001-06	606001-06	701901-04
280001-07	606006-02	704001-07
406001-06 (ALT. B)	606301-04	720001-01
406101-05 (ALT. B)	630001-10	720006-04
420001-08 (ALT. A)	630301-06	720011-01
420101-05 (ALT. A)	631031-13	720021-02
420201-09 (ALT. A)	635001-01	728001-01
420301-06 (ALT. A)	635006-03	780001-05
420401-11	635011-02	781001-03
442201-03	642001-02	782001
482001-02 (ALT. B)	643001-02	821101-01
483001-04 (ALT. A)	664001-02	825006-02
515001-03	665001-02	830021-02
542301-03	666001-01	830026
542401-01	701001-02	836001-02
601001-04	701006-05	838001
601101-01	701011-04	BLR 21-9
602301-04	701101-04	BLR 22-7
602306-03	701106-02	BLR 24-2
602401-03	701400-08	
602601-03	701401-09	
602701-02	701402-10	
604086-03	701406-09	
604101-01	701428	

**SOIL REPORT AVAILABILITY**

THE SOILS REPORT AND ALL SOILS DATA COLLECTED AND PROCESSED FOR THE SOILS REPORT MADE IN CONJUNCTION WITH THE DESIGN OF THIS IMPROVEMENT IS ON FILE AT THE DISTRICT OFFICE WHERE IT IS AVAILABLE FOR INSPECTION BY CONTRACTORS OR PROSPECTIVE BIDDERS. BY SUBMITTING A BID, THE CONTRACTOR ACKNOWLEDGES THAT THE SOILS REPORT HAS BEEN MADE AVAILABLE AND IS AWARE OF THE REPORT CONTENTS AND APPENDICES.

**AVAILABILITY OF ELECTRONIC FILES**

MICROSTATION AND GEOPAK FILES OF THIS PROJECT WILL BE MADE AVAILABLE TO THE CONTRACTOR. IF THERE IS A CONFLICT BETWEEN THE ELECTRONIC FILES AND THE PRINTED CONTRACT PLANS AND DOCUMENTS, THE PRINTED CONTRACT PLANS AND DOCUMENTS SHALL TAKE PRECEDENCE OVER THE ELECTRONIC FILES. THE CONTRACTOR SHALL ACCEPT ALL RISK ASSOCIATED WITH USING THE ELECTRONIC FILES AND SHALL HOLD THE DEPARTMENT HARMLESS FOR ANY ERRORS OR OMISSIONS IN THE ELECTRONIC FILES AND THE DATA CONTAINED THEREIN. ERRORS OR DELAYS RESULTING FROM THE USE OF THE ELECTRONIC FILES BY THE CONTRACTOR SHALL NOT RESULT IN AN EXTENSION OF TIME FOR ANY INTERIM OR FINAL COMPLETION DATE OR SHALL NOT BE CONSIDERED CAUSE FOR ADDITIONAL COMPENSATION. THE CONTRACTOR SHALL NOT USE, SHARE, OR DISTRIBUTE THESE ELECTRONIC FILES EXCEPT FOR THE PURPOSE OF CONSTRUCTING THIS CONTRACT. ANY CLAIMS BY THIRD PARTIES DUE TO USE OR ERRORS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL INCLUDE THIS DISCLAIMER WITH THE TRANSFER OF THESE ELECTRONIC FILES TO ANY OTHER PARTIES AND SHALL INCLUDE APPROPRIATE LANGUAGE BINDING THEM TO SIMILAR RESPONSIBILITIES.

**UTILITIES - LOCATION/INFORMATION ON PLANS**

THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED. UNLESS ELEVATIONS ARE SHOWN ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.

**TREE REMOVAL - UTILITY RELOCATION**

TREE REMOVAL MAY BE NECESSARY PRIOR TO UTILITY COMPANIES BEING ABLE TO RELOCATE THEIR FACILITIES OUTSIDE THE CONSTRUCTION LIMITS. THE CONTRACTOR SHOULD COORDINATE ANY CONTRACT TREE REMOVAL ACTIVITIES WITH THE UTILITY COMPANIES TO ELIMINATE CONFLICTS AND POTENTIAL DELAYS CAUSED BY UTILITY TREE REMOVAL ACTIVITIES OR INCOMPLETE UTILITY RELOCATIONS.

**PLAN ELEVATIONS - U.S.G.S. MEAN SEA LEVEL DATUM**

ALL ELEVATIONS SHOWN ON THE PLANS ARE ESTABLISHED FROM U.S.G.S. MEAN SEA LEVEL DATUM.

**TREE REMOVAL**

THE DISTRICT FOUR TREE COMMITTEE SHOULD BE CONTACTED AND PRIOR APPROVAL OBTAINED FOR ANY TREE REMOVAL BEYOND THE LIMITS/LOCATIONS INCLUDED IN THE PLANS.

**RIGHT-OF-WAY**

UNLESS OTHERWISE INDICATED ON THE ROW PLAN SHEETS, ALL RIGHT-OF-WAY SHOWN IN THE PLANS AS PROPOSED ROW WAS PREVIOUSLY ACQUIRED FOR CONSTRUCTION OF THE PRE-GRADED SECTION (55-3) AND IS CONSIDERED EXISTING ROW.

**PROPERTY OWNER ACCESS REQUIREMENT**

ACCESS MUST BE MAINTAINED TO ALL EXISTING PROPERTIES DURING CONSTRUCTION PER ARTICLE 107.09 UNLESS ARRANGEMENTS ARE MADE IN WRITING BY THE CONTRACTOR WITH THE PROPERTY OWNERS WITH A COPY TO THE ENGINEER FOR SHORT-TERM CLOSURES.

**SEEDING - SIDESLOPE RIPPING**

ALL SLOPES STEEPER THAN 3 TO 1 AND OVER 15 FT. (4.5 m) IN HEIGHT SHALL BE RIPPED. THIS SHALL CONSIST OF RIPPING BETWEEN 18 INCHES TO 24 INCHES (450 mm TO 600 mm) DEEP NORMAL TO THE SLOPE. THE INTERVAL OF RIPPING ALONG THE SLOPE SHALL BE 12 FT. (3.6 m). THIS WORK SHALL BE DONE AFTER THE SEED BED HAS BEEN PREPARED BUT BEFORE ANY FERTILIZER OR SEED HAS BEEN APPLIED. THE FERTILIZER AND SEED SHALL BE APPLIED WITHIN A 24-HOUR PERIOD AFTER THE RIPPING HAS BEEN DONE. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE VARIOUS ITEMS OF SEEDING INVOLVED.

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE(S):	FULL DEPTH HMA POLYMER SURFACE COURSE (2")	FULL DEPTH HMA POLYMER BINDER COURSE (2 1/4")	FULL DEPTH HMA LOWER BINDER LIFTS	HMA SHOULDER (SURFACE LIFT)	HMA SHOULDER (LOWER LIFTS)	HMA SURFACE COURSE (SIDE ROADS)	HMA BASE COURSE (SIDE ROADS)	INCIDENTAL SURFACE COURSE
AC/PG:	SBS OR SBR 70-28	SBS OR SBR 70-28	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N=70	4.0% @ N=70	4.0% @ N=70	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50
MIXTURE COMPOSITION: (MIXTURE GRADATION)	IL 9.5	IL 9.5	IL 19.0	IL 9.5	IL 19.0	IL 9.5	IL 19.0	IL 9.5
FRICITION AGGREGATE:	MIX D (DOLOMITE ONLY)	N.A.	N.A.	MIX C	N.A.	MIX C	N.A.	MIX C
QUALITY MANAGEMENT PROGRAM:	PPF	PPF	PPF	QCQA	QCQA	QCQA	QCQA	QCQA

**NOTE:**

- INDIVIDUAL LIFT THICKNESS OF EACH MIX TYPE WILL BE NO LESS THAN 3 TIMES NOMINAL MAXIMUM AGGREGATE SIZE AND NO MORE THAN 6 TIMES NOMINAL MAXIMUM AGGREGATE SIZE, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- FOR DESIGN PURPOSES, MIXTURE WEIGHT FOR ALL MIXES IS DETERMINED TO BE 112.0 LB/S.Y./IN., UNLESS OTHERWISE NOTED.
- SUBLOT SIZES FOR PPF AND QCP MIXES WILL BE 1000 TONS, UNLESS OTHERWISE AGREED TO BY THE ENGINEER AND THE PAVING CONTRACTOR.

REVISOR 6-1-15

**GENERAL NOTES**

**ENVIRONMENTAL REVIEWS**

PRIOR TO THE USE OF ANY PROPOSED BORROW AREAS, USE AREAS (TEMPORARY ACCESS ROADS, DETOURS, RUN-AROUNDS, ETC.) AND/OR WASTE AREAS, THE CONTRACTOR SHALL FILE THE REQUIRED ENVIRONMENTAL RESOURCE REQUEST SURVEYS ACCORDING TO SECTION 107.22 OF THE STANDARD SPECIFICATIONS. THESE SURVEYS ARE REQUIRED IN ORDER FOR THE DEPARTMENT TO CONDUCT CULTURAL AND BIOLOGICAL RESOURCE SURVEYS FOR THE PROPOSED SITE.

PRIOR TO ANY WASTE MATERIALS BEING REMOVED FROM THE CONSTRUCTION SITE THE REQUIRED ENVIRONMENTAL RESOURCE SURVEYS WILL NEED TO BE OBTAINED AND FILED BY THE CONTRACTOR. EXCESS WASTE PRODUCTS REMOVED FROM THE CONSTRUCTION SITE SHALL BE DISPOSED OF AS REQUIRED IN SECTION 202.03 OF THE STANDARD SPECIFICATIONS.

ANY PROTRUDING METAL BARS SHALL BE REMOVED PRIOR TO THE DISPOSAL OF BROKEN CONCRETE AT APPROVED DISPOSAL SITES.

THE REQUIRED ENVIRONMENTAL RESOURCE DOCUMENTATION SHALL INCLUDE THE FOLLOWING:

- BDE FORM 2289 (CULTURAL AND NATURAL RESOURCES REVIEW OF BORROW AREAS)
- BDE FORM 2290 (WASTE/USE AREA REVIEW)
- A LOCATION MAP SHOWING THE SIZE LIMITS AND LOCATION OF THE USE AREA
- COLOR PHOTOGRAPHS DEPICTING THE USE AREA
- BORROW AREA ENTRY AGREEMENT FORM - D4 P10101

PLEASE NOTE THAT A MINIMUM OF FOUR WEEKS SHALL BE ALLOWED FOR THE DISTRICT TO OBTAIN THE REQUIRED WASTE SITE ENVIRONMENTAL CLEARANCES AND FIVE WEEKS FOR THE REQUIRED BORROW SITE ENVIRONMENTAL CLEARANCES.

**LEGEND OF NON-STANDARD SYMBOLS**

	PROPOSED DITCH
	EXISTING DITCH
TOG	TOP OF GRATE
TOC	TOP OF CURB
EOP	EDGE OF PAVEMENT
	SPECIAL DITCH LEFT (SP DT LT)
	SPECIAL DITCH RIGHT (SP DT RT)
	SPECIAL MEDIAN DITCH (SP MED DT)
TBR	ITEM TO BE REMOVED
	HOT-MIX ASPHALT SURFACE REMOVAL
	FENCE REMOVAL
	PAVEMENT/SHOULDER REMOVAL
	PAVEMENT PATCHING
FST	FLAT SLAB TOP (SEE HWY STD OR DETAIL)
	TRENCH BACKFILL, CU. YDS.

**GENERAL NOTES (CONTINUED)**

**HOT-MIX ASPHALT PAVING (ALTERNATE B)**

ALL LIFTS OF HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N70; POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N70 AND POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX D, N70 SHALL BE PLACED ACROSS BOTH LANES OF IL 336 SIMULTANEOUSLY. THIS SHALL BE ACCOMPLISHED BY USING ONE HMA PAVER CAPABLE OF PAVING THE ENTIRE WIDTH OF BOTH LANES OR USING TWO HMA PAVERS IN AN ECHELON FORMATION.

**PAVEMENT STATION NUMBERS & PLACEMENT**

THE CONTRACTOR SHALL PROVIDE LABOR AND MATERIALS REQUIRED TO IMPRINT PAVEMENT STATION NUMBERS IN THE FINISHED SURFACE OF THE PAVEMENT AND/OR OVERLAY. THE NUMBERS SHALL BE APPROXIMATELY 3/4 INCH (20 mm) WIDE, 5 INCHES (125 mm) HIGH AND 5/8 INCH (15 mm) DEEP.

THE PAVEMENT STATION NUMBERS SHALL BE INSTALLED AS SPECIFIED HEREIN:

INTERVAL - 200 FEET (ENGLISH STATIONING) OR 100 METERS (METRIC STATIONING)

BOTTOM OF NUMBERS - 6 INCHES (150 mm) FROM THE INSIDE EDGE OF THE PAVEMENT MARKING

LOCATION:

- 2, 3, & 5 LANE PAVEMENTS - RIGHT EDGE OF PAVEMENT IN DIRECTION OF INCREASING STATIONS

- MULTI-LANE DIVIDED ROADWAYS - OUTSIDE EDGE OF PAVEMENT IN BOTH DIRECTIONS

- RAMPS - ALONG BASELINE EDGE OF PAVEMENT

POSITION - STATIONS SHALL BE PLACED SO THEY CAN BE READ FROM THE ADJACENT SHOULDER

FORMAT - ENGLISH (METRIC) PAVEMENT STATIONS SHALL USE THIS FORMAT "XXX (XX+X00)", WHERE X REPRESENTS THE PAVEMENT STATION

THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF THE ASSOCIATED PAVEMENT AND/OR OVERLAY PAY ITEMS.

**AGGREGATE FOR DRIVEWAY REPLACEMENT**

THE MATERIAL USED FOR CONSTRUCTION OF PERMANENT AGGREGATE DRIVEWAYS SHALL BE GRAVEL OR CRUSHED STONE, AS DIRECTED BY THE ENGINEER, TO REPLACE IN KIND THE EXISTING AGGREGATE DRIVEWAYS.

NO ADDITIONAL COMPENSATION SHALL BE PROVIDED FOR THIS REQUIREMENT BUT SHALL BE CONSIDERED AS INCLUDED IN THE COST OF THE PAY ITEM FOR THE AGGREGATE AS SPECIFIED ON THE PLANS.

**PAVING SURFACE COURSE**

CONTINUOUS PAVING OPERATIONS ON THE MAIN ROADWAY SHALL BE MAINTAINED AT ALL TIMES DURING THE CONSTRUCTION OF THE HOT-MIX ASPHALT SURFACE. NO INTERRUPTIONS FOR SIDE ROADS, ENTRANCES, TURN LANES, ETC. WILL BE ALLOWED.

**ORDERING LENGTH CONFIRMATION - DRAINAGE ITEMS**

THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER IN REGARD TO THE EXACT LENGTH OF THE BOX/PIPE CULVERTS, STORM SEWERS, AND/OR PIPE DRAINS REQUIRED PRIOR TO ORDERING THESE ITEMS.

**EXISTING DRAINAGE PIPES CONNECTED TO NEW STRUCTURES**

IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS, THE CONNECTING OF EXISTING DRAIN TILES, PIPE CULVERTS, OR STORM SEWERS TO THE PROPOSED DRAINAGE SYSTEM STRUCTURES WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCLUDED IN THE PAY ITEMS PROVIDED.

**MEDIAN AND ISLAND NOSES**

WHEN CONSTRUCTING MEDIAN AND ISLAND NOSES THE FOLLOWING CRITERIA SHOULD BE FOLLOWED:

- BARRIER CURB SHALL BE USED TO CONSTRUCT NOSES WHEN THE MEDIAN OR ISLAND SURROUNDS A MAST ARM OR OTHER NON-BREAKAWAY FOUNDATION.

- RAMPED NOSES SHALL BE USED ON MEDIANS OR ISLANDS WITH BREAKAWAY POSTS.

**BUTT JOINT CUTTING TIME RESTRICTION**

BUTT JOINTS SHALL NOT BE MILLED MORE THAN THREE (3) DAYS PRIOR TO PLACEMENT OF THE HMA SURFACE COURSE.

**SIGN POST HOLES**

VERTICAL HOLES SHALL BE CONSTRUCTED IN THE ISLAND PAVEMENT AND/OR CONCRETE MEDIAN OF THE TYPE SPECIFIED OR CONCRETE MEDIAN SURFACE 4 INCHES (100 mm). THE HOLES SHALL BE 24 INCHES (600mm) IN DIAMETER OR 24 INCHES (600 mm) SQUARE AND THEY SHALL BE FREE OF ANY OBSTRUCTION, EXCEPT EARTH, FOR A DEPTH OF 5 FEET (1.5 m) AT THE LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. ANY HOLES NOT USED FOR THE PLACEMENT OF SIGNS SHALL BE FILLED AND COMPACTED FLUSH WITH THE TOP OF THE ISLAND PAVEMENT, CONCRETE MEDIAN OF THE TYPES SPECIFIED, OR CONCRETE MEDIAN SURFACE 4 INCHES (100 mm). THE TOP 3 INCHES (75 mm) OF SAID COMPACTED FILL SHALL CONSIST OF A HOT-MIX ASPHALT MIXTURE. ALL HOLES IN WHICH THE SIGN POSTS ARE INSTALLED AT THE TIME OF THIS CONTRACT SHALL BE SIMILARLY FILLED.

THIS WORK, INCLUDING ANY REQUIRED PAVEMENT REMOVAL NECESSARY TO CONSTRUCT THE SIGN POST HOLES, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SQUARE FOOT (SQUARE METER) FOR ISLAND PAVEMENT AND/OR CONCRETE MEDIAN OF THE TYPE SPECIFIED, OR CONCRETE MEDIAN SURFACE, 4 INCHES (100 mm).

**RIGHT-OF-WAY MARKERS**

WHEN INSTALLING RIGHT-OF-WAY MAKERS, CARE SHALL BE TAKEN TO NOT DISTURB ANY EXISTING PROPERTY/RIGHT-OF-WAY PINS. IF A PROPERTY/RIGHT-OF-WAY PIN IS FOUND AT THE LOCATION OF A PROPOSED RIGHT-OF-WAY MARKER, THE MARKER SHALL BE PLACED ONE (1) FOOT IN FRONT OF THE PIN.

**ENGINEERS FIELD OFFICE**

ADD THE FOLLOWING SENTENCE TO THE END OF PARAGRAPH 670.02 (I) AND 670.04 (e):

ALL OF THE TELEPHONE LINES PROVIDED SHALL HAVE UNPUBLISHED NUMBERS.

**SETTING OF SECTION CORNER MONUMENTATION**

ALL SECTION CORNER LOCATION ON THIS PROJECT SHALL BE LOCATED AND VERIFIED BY A LICENSED LAND SURVEYOR PRIOR TO ANY REMOVAL WORK BEING PERFORMED. THE LAND SURVEYOR SHALL LOCATE THE EXISTING SECTION CORNERS THROUGH COURTHOUSE RESEARCH, PERSONAL KNOWLEDGE OR THROUGH THE ASSISTANCE OF LOCAL FIRMS PERFORMING LAND SURVEYING IN THE AREA. IF THE SECTION CORNER DOES NOT EXIST THROUGH EITHER ITS PHYSICAL LOCATION OR THROUGH TIES IN THE FIELD IT SHALL NOT BE RESET, THERE SHALL BE NO CALCULATING OF SECTION CORNERS ONTO A PROJECT REQUIRED.

ONCE THE PAVING AND STRIPING OPERATIONS HAVE BEEN PERFORMED THE SECTION CORNER SHALL BE RESET AT THE DIRECTION OF A LICENSED LAND SURVEYOR. IF ANY DIMENSIONS HAVE BEEN CHANGED, IT SHALL BE THE RESPONSIBILITY OF THE SURVEYOR TO FILE A NEW MONUMENT RECORD IN THE APPROPRIATE COURTHOUSE.

A COPY OF ALL DRAWINGS OR MONUMENT RECORDS PRODUCED FROM THIS PROJECT SHALL BE SENT TO THE CHIEF OF SURVEYS, ILLINOIS DEPARTMENT OF TRANSPORTATION, REGION THREE/DISTRICT FOUR, PEORIA, ILLINOIS.

THE SUPPLYING, DRILLING, SETTING OF DISKS, PROFESSIONAL SERVICES, LABOR AND ANY OTHER ADDITIONAL WORK REQUIRED TO PERFORM THIS WORK SHALL BE PAID FOR UNDER PAY ITEM FOR PERMANENT SURVEY MARKERS, TYPE 1.

REFER TO DISTRICT FOUR CADD STANDARD 667101 FOR DETAILS.

**SIGNING**

SIGN LOCATIONS MAY VARY FROM THE STATIONS SHOWN ON THE PLANS IN ACCORDANCE WITH DIRECTIONS FROM THE ENGINEER AT THE TIME OF CONSTRUCTION. SIGN LOCATIONS MAY BE ADJUSTED IN THE FIELD TO AVOID ANY FOUND UTILITIES.

ALL WOOD POST LOCATIONS SHALL BE VERIFIED WITH THE BUREAU OF OPERATIONS, TRAFFIC SECTION, BEFORE INSTALLATION.

**JOB SPECIFIC NOTES**

**FURNISHED EXCAVATION**

THERE IS SUITABLE EMBANKMENT LOCATED IN THE INFIELD OF THE US 136/IL 336 INTERCHANGE THAT CAN BE USED AS EMBANKMENT. THE CONTRACTOR SHALL HAVE ACCESS TO THIS LOCATION FOR PROVIDING THE FURNISHED EXCAVATION NECESSARY FOR CONSTRUCTION. ALL AREAS DISTURBED BY EXCAVATION SHALL GRADED, SEEDED AND PROPER EROSION CONTROL PLACED TO THE SATISFACTION OF THE ENGINEER. THE WORK ASSOCIATED WITH THIS SITE RESTORATION SHALL NOT BE PAID FOR SEPARATELY, BUT CONSIDERED INCLUDED IN THE COST OF THE FURNISHED EXCAVATION. ANY TRAFFIC CONTROL NECESSARY TO UTILIZE THIS AREA SHALL BE INSTALLED TO THE SATISFACTION OF THE ENGINEER AND SHALL BE INCLUDED IN THE COST OF FURNISHED EXCAVATION.

**MANHOLES AND INLETS**

FOR INLETS AND MANHOLES CONSTRUCTED IN CONJUNCTION WITH THE CURB AND GUTTER, THE DISTANCE SHOWN ON THE PLANS IS TO THE FACE OF CURB. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONSTRUCT EACH INLET OR MANHOLE, AT THE PROPER LOCATION, SO THAT THE FRAME OR GRATE MATCHES THE CURB LINE. FOR ALL MANHOLES OR INLETS NOT CONSTRUCTED IN CONJUNCTION WITH THE CURB AND GUTTER OR CURB, THE DISTANCE SHOWN ON THE PLAN IS TO THE CENTER OF THE MANHOLE OR INLET.

**TOP SOIL REMOVAL**

MATERIAL ACCEPTABLE FOR USE AS TOPSOIL IS AVAILABLE THROUGHOUT THE LIMITS OF THE SIDEROAD IMPROVEMENT PORTIONS OF THE PROJECT WITHIN THE ROW LIMITS IN BOTH CUT AND FILL SECTIONS. TOPSOIL SHOULD BE REMOVED TO THE DEPTH ENCOUNTERED OR TO AN AVERAGE DEPTH OF 4". THE TOPSOIL SHALL BE STOCKPILED FOR LATER USE, AS APPROPRIATE.

ACTUAL TOPSOIL THICKNESSES ENCOUNTERED VARY FROM 4" TO 12" WITHIN THE LIMITS OF THE IMPROVEMENTS. BELOW IS A LIST OF ANTICIPATED TOPSOIL THICKNESSES AS IDENTIFIED IN THE ROADWAY GEOTECHNICAL REPORT (RGR). ACTUAL TOPSOIL THICKNESSES WILL LIKELY VARY.

LOCATION	ESTIMATED THICKNESS
TR 950E	4"
TOWER ROAD	12"
CH 20	4"
TR 1100E	4"
US 67	4"

**EXISTING EROSION CONTROL**

ANY EXISTING EROSION CONTROL ITEM FROM PREVIOUS OR ADJACENT CONTRACTS SHALL BE MAINTAINED AS DIRECTED BY THE ENGINEER AT NO ADDITIONAL COST.

**SETTLEMENT**

TO FACILITATE PROPER SETTLEMENT OF UNDERLYING SOILS IN AREAS OF PROPOSED EMBANKMENTS, THERE ARE AREAS THAT HAVE BEEN IDENTIFIED IN THE ROADWAY GEOTECHNICAL REPORT (RGR) AND SHOWN IN THE PLANS THAT REQUIRE THE USE OF SETTLEMENT PLATFORMS.

THE FOLLOWING ARE THE LOCATIONS HAVING SOILS THAT WILL REQUIRE SETTLEMENT MEASURES:

LOCATION
TR 950E : STA 3017+00 TO 3020+00
CH 20 : STA 5008+00 TO 5013+00
TR 1100E : STA 6017+00 TO 6021+00

**LOCAL DETOUR**

PAVEMENT PATCHING OF LOCAL DETOUR ROADWAYS SHALL BE COMPLETED PRIOR TO THE CLOSURE ANY SIDEROAD.

**JOB SPECIFIC NOTES (CONTINUED)**

**CONSECUTIVE SIDE STREET (ROAD) CLOSURE**

SIDE STREETS (ROADS) MAY BE CLOSED AT THE SAME TIME DURING CONSTRUCTION. ONLY AS INDICATED IN THE TRAFFIC CONTROL PLANS AND AS APPROVED BY THE ENGINEER.

BLR STANDARD 21 SHALL BE USED FOR ALL LOCAL ROAD CLOSURES WITHOUT ANY ENTRANCES WITHIN THE CLOSED AREA. BLR STANDARD 22 CAN BE USED WHERE IT IS NECESSARY TO ALLOW LOCAL TRAFFIC ACCESS.

**COMMITMENTS**

THE CONTRACTOR SHALL CONTACT THE PROPERTY OWNER (JAMES OR SHELLEY STANDLEY) PRIOR TO ANY WORK BEING PERFORMED ON THEIR DRIVEWAY ON THE SOUTH SIDE OF COUNTY HIGHWAY 20 WHICH ACCESSES THE PASTURE, WEST OF THEIR HOUSE. ALL WORK NECESSARY TO PREPARE THE LOCATION AND PLACE THE AGGREGATE DRIVE SHALL NOT DISTURB THE NEWLY INSTALLED FENCE AND SHALL BE CONFINED TO THE AREA DIRECTLY IN FRONT OF AND BEHIND THE GATE.

COMMITMENTS ARE NOT TO BE ALTERED WITHOUT THE WRITTEN APPROVAL OF ALL PARTIES TO WHICH THE COMMITMENT WAS MADE.

ANY ENTITIES REALIZED TO BE AFFECTED BY CONSTRUCTION SHALL BE CONTACTED PRIOR TO THE CLOSING OF THE ROADWAY. THESE INCLUDE BUT ARE NOT LIMITED TO:

McDONOUGH COUNTY ENGINEER:  
MR. TOM HICKMAN  
(309) 833-4196 (W)  
(309) 333-9213 (C)

EMMET TOWNSHIP ROAD COMMISSIONER:  
MR. JEFF LEE  
(309) 333-7333 (C)

McDONOUGH COUNTY ESDA: (309) 837-2686

McDONOUGH COUNTY SHERIFF'S DEPT.: (309) 833-2323 (NON-EMERGENCY/ADMIN.)

FIRE DEPARTMENT: (309) 836-7800 (NON-EMERGENCY)

AMBULANCE SERVICE: (309) 837-4500 (NON-EMERGENCY)

US POST OFFICE IN MACOMB: (309) 833-5594

BOARD OF EDUCATION: (309) 833-4161

SCHOOL DISTRICT 185 TRANSPORTATION DEPT: (309) 836-6806

McDONOUGH COUNTY PUBLIC TRANSPORTATION: (309) 837-3941

**PROCESSING LIME MODIFIED SOIL**

PROCESSING LIME MODIFIED SOIL SHALL BE 12" MINIMUM, EXCEPT IN THE AREAS AND DEPTHS SHOWN BELOW:

LOCATIONS	
IL 336/IL 110:	
STA 598+00 TO STA 603+50	16"
STA 607+00 TO STA 610+50	16"
STA 615+00 TO STA 618+00	16"
STA 712+00 TO STA 722+00	18"
STA 723+00 TO STA 730+00	24"
STA 745+00 TO STA 750+50	20"
STA 750+50 TO STA 756+50	18"
STA 757+50 TO STA 760+00	16"
STA 775+00 TO STA 778+50	24"
STA 790+00 TO STA 794+00	14"
STA 795+50 TO STA 806+00	14"
STA 847+00 TO STA 863+00	18"
RAMP L:	
STA 66+50 TO STA 73+50	16"
RAMP K:	
STA 100+00 TO STA 107+00	16"
RAMP A:	
STA 321+00 TO STA 326+50	18"

**VARYING FIELD CONDITIONS**

THESE PLANS WERE PREPARED BASED UPON THE GRADING SECTION (55-3)A, CONTRACT NO. 68A42, HAVING BEEN BUILT AS SHOWN IN THOSE PLANS. BECAUSE CONSTRUCTION WAS NOT COMPLETE PRIOR TO THE COMPLETION OF THESE PLANS, ACTUAL AS-BUILT FIELD CONDITIONS MAY VARY FROM THOSE SHOWN WITHIN.

**ALTERNATE BID NOTES:**

- THE PLANS CONTAIN PROVISIONS FOR A BASE BID OF PORTLAND CEMENT CONCRETE PAVEMENT (PCC), ALTERNATE A, AND AN ALTERNATE BID OF HOT-MIX ASPHALT PAVEMENT (HMA), ALTERNATE B. THE ALTERNATE BID PROVISION SHALL APPLY TO THE IL 336 MAINLINE, RAMPS K AND L AT THE US 136 INTERCHANGE, AND RAMPS A AND D AT THE US 67 INTERCHANGE. ALL OTHER SIDEROAD PAVEMENTS SHALL BE AS SHOWN IN THE PLANS. THE CONTRACTOR SHALL NOTE THE FOLLOWING:
- IF THE BASE BID (ALTERNATE A-PCC) IS AWARDED, THE FOLLOWING SHEETS AND STANDARDS SHALL BE DELETED FROM THE PLAN SET: SHEETS 33-38, 48-55 AND 62-63; STANDARDS 406001-06, 406101-05 AND 482001-02.
- IF THE ALTERNATE BID (ALTERNATE B-HMA) IS AWARDED, THE FOLLOWING SHEETS AND STANDARDS SHALL BE DELETED FROM THE PLAN SET: SHEETS 27-32, 40-47, 60-61 AND 284-298; STANDARDS 420001-08, 420101-05, 420201-09, 420301-06 AND 483001-04.

FILE NAME : \\transportation\28912-Lane Paving Plans\cadd sheets\10469844\sh\gnn\gnn.dgn	USER NAME : JDenn	DESIGNED : JRB	REVISED : 5/15/2015	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				FAP ROUTE 407 (IL 336 /IL 110)				F.A.P. R.T.E. : 407	SECTION : 55C3IPV.HB(2-6)B.B-1,B-2J	COUNTY : McDONOUGH	TOTAL SHEETS : 874	SHEET NO. : 3
PLOT SCALE : 2,000 FT / IN.	CHECKED : JRB	REVISED :	DATE : 1-30-2015					GENERAL NOTES, COMMITMENTS & PHONE NUMBERS				SCALE: N/A	SHEET NO. 2 OF 2 SHEETS	STA. N/A	TO STA. N/A	CONTRACT NO. 68B44
PLOT DATE : 5/19/2015	DATE :	REVISED :						ILLINOIS FED. AID PROJECT								

CODE NO.	ITEM	UNIT	FED/STATE 80%/20% TOTAL QUANTITY	CONSTRUCTION CODE										
				FED/STATE 80%/20%	FED/STATE 80%/20%	FED/STATE 80%/20%	FED/STATE 80%/20%	FED/STATE 80%/20%	FED/STATE 80%/20%	FED/STATE 80%/20%	FED/STATE 80%/20%	FED/STATE 80%/20%	FED/STATE 80%/20%	
				ROADWAY	HIGHWAY LIGHTING	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
				0001	0021	0008	0008	0008	0008	0008	0008	0008	0008	0008
				RURAL	NONE	055-0046	055-0068	055-0070	055-0072	055-0074	055-0075	055-0077	055-0078	
40300400	BITUMINOUS MATERIALS (COVER AND SEAL COATS)	TON	97.4	97.4										
40300500	COVER COAT AGGREGATE	TON	407.3	407.3										
40300600	SEAL COAT AGGREGATE	TON	203.7	203.7										
40600285	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	POUND	SEE TABLE 1 - ALTERNATE PAVEMENT QUANTITIES											
40600990	TEMPORARY RAMP	SQ YD	116	116										
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	SEE TABLE 1 - ALTERNATE PAVEMENT QUANTITIES											
40603235	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	SEE TABLE 1 - ALTERNATE PAVEMENT QUANTITIES											
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	6322	6322										
40603540	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	SEE TABLE 1 - ALTERNATE PAVEMENT QUANTITIES											
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	233	233										
42000401	PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED)	SQ YD	SEE TABLE 1 - ALTERNATE PAVEMENT QUANTITIES											
42000406	PORTLAND CEMENT CONCRETE PAVEMENT 9 1/4" (JOINTED)	SQ YD	SEE TABLE 1 - ALTERNATE PAVEMENT QUANTITIES											
42001200	PAVEMENT FABRIC	SQ YD	SEE TABLE 1 - ALTERNATE PAVEMENT QUANTITIES											
42001300	PROTECTIVE COAT	SQ YD	SEE TABLE 1 - ALTERNATE PAVEMENT QUANTITIES											

△ REVISED 6-1-15

CODE NO.	ITEM	UNIT	FED/STATE 80%/20% TOTAL QUANTITY	CONSTRUCTION CODE										
				FED/STATE 80%/20%	FED/STATE 80%/20%	FED/STATE 80%/20%	FED/STATE 80%/20%	FED/STATE 80%/20%	FED/STATE 80%/20%	FED/STATE 80%/20%	FED/STATE 80%/20%	FED/STATE 80%/20%	FED/STATE 80%/20%	
				ROADWAY	HIGHWAY LIGHTING	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	BRIDGE	
				0001	0021	0008	0008	0008	0008	0008	0008	0008	0008	0008
				RURAL	NONE	055-0046	055-0068	055-0070	055-0072	055-0074	055-0075	055-0077	055-0078	
42001420	BRIDGE APPROACH PAVEMENT CONNECTOR (PCC)	SQ YD	SEE TABLE 1 - ALTERNATE PAVEMENT QUANTITIES											
42001430	BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	SQ YD	SEE TABLE 1 - ALTERNATE PAVEMENT QUANTITIES											
44000100	PAVEMENT REMOVAL	SQ YD	24668	24668										
<b>44000155</b>	<b>HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"</b>	<b>SQ YD</b>	<b>21355</b>	<b>21355</b>										
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	11603	11603										
44201741	CLASS D PATCHES, TYPE II, 8 INCH	SQ YD	22	22										
48101200	AGGREGATE SHOULDERS, TYPE B	TON	SEE TABLE 1 - ALTERNATE PAVEMENT QUANTITIES											
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	SEE TABLE 1 - ALTERNATE PAVEMENT QUANTITIES											
48300400	PORTLAND CEMENT CONCRETE SHOULDERS 9"	SQ YD	SEE TABLE 1 - ALTERNATE PAVEMENT QUANTITIES											
48300405	PORTLAND CEMENT CONCRETE SHOULDERS 9 1/4"	SQ YD	SEE TABLE 1 - ALTERNATE PAVEMENT QUANTITIES											
50105220	PIPE CULVERT REMOVAL	FOOT	160	160										
50200100	STRUCTURE EXCAVATION	CU YD	2570			192	232	849	196	121	214	406	360	
50300225	CONCRETE STRUCTURES	CU YD	1750.7			661.3	65.6	378.8	85.4	135.7	89.7	228.2	106.0	
50300255	CONCRETE SUPERSTRUCTURE	CU YD	3326.5			1029.3	225	408.5	234.8	405.3	250.5	419.1	354.0	
50300260	BRIDGE DECK GROOVING	SQ YD	8256			2989	479	923	490	955	504	1070	846	

△ REVISED 6-1-15

TABLE 1 - ALTERNATE PAVEMENT QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY (ALT. A - PCC)	TOTAL QUANTITY (ALT. B - HMA)
20200100	EARTH EXCAVATION	CU YD	75,500	74,695
20400800	FURNISHED EXCAVATION	CU YD	129,000	130,135
30200650	PROCESSING MODIFIED SOIL 12"	SQ YD	194,727	200,829
30200750	PROCESSING MODIFIED SOIL 14"	SQ YD	6,606	6,820
30200850	PROCESSING MODIFIED SOIL 16"	SQ YD	9,667	10,029
30200950	PROCESSING MODIFIED SOIL 18"	SQ YD	16,207	16,760
30201050	PROCESSING MODIFIED SOIL 20"	SQ YD	2,506	2,587
30201250	PROCESSING MODIFIED SOIL 24"	SQ YD	4,784	4,939
30201500	LIME	TON	5,016.7	5,177.4
31200100	STABILIZED SUBBASE 4"	SQ YD	153,037	
40600285	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	POUND	51,015.4	291,182.8
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	1,017	52,048
40603235	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	339	17,341
40603540	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	1,591	16,485

REVISÉ 6-1-15



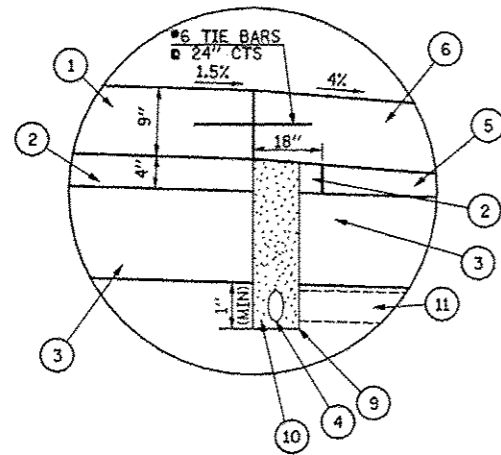
TABLE 1 - ALTERNATE PAVEMENT QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY (ALT. A - PCC)	TOTAL QUANTITY (ALT. B - HMA)
42000401	PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED)	SQ YD	116,449	
42000406	PORTLAND CEMENT CONCRETE PAVEMENT 9 1/4" (JOINTED)	SQ YD	15,502	
42001200	PAVEMENT FABRIC	SQ YD	4,607	
42001300	PROTECTIVE COAT	SQ YD	214,362	2,725
42001420	BRIDGE APPROACH PAVEMENT CONNECTOR (PCC)	SQ YD	4,607	
42001430	BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	SQ YD		4,607
48101200	AGGREGATE SHOULDERS, TYPE B	TON	24,299	19,073
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD		75,081
48300400	PORTLAND CEMENT CONCRETE SHOULDERS 9"	SQ YD	68,081	
48300405	PORTLAND CEMENT CONCRETE SHOULDERS 9 1/4"	SQ YD	7,001	
X0324159	WHITEWASHING FOR CONCRETE PAVEMENTS	SQ YD	153,037	
Z0034105	MATERIAL TRANSFER DEVICE	TON	2,474	85,401

24,299 19,073

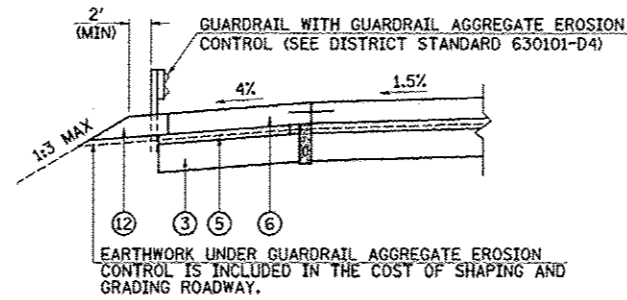


△ REVISED 6-1-15



PIPE UNDERDRAIN DETAIL

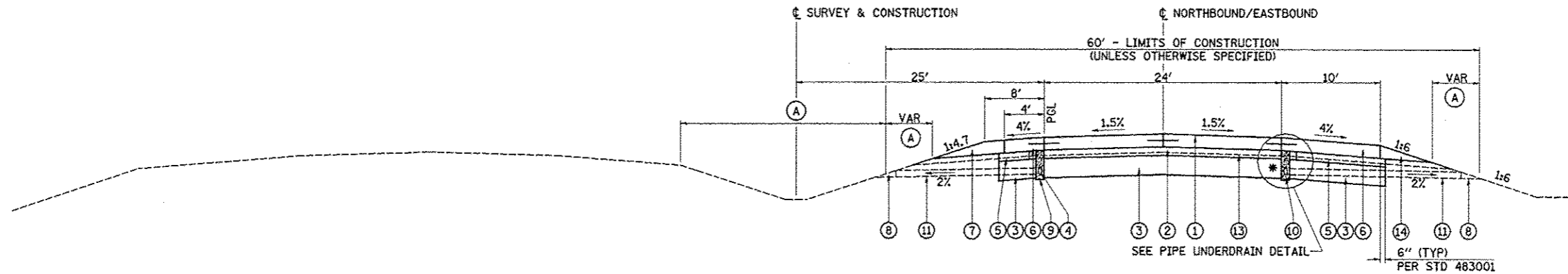
\* CONSTRUCT (2) TO 18" BEYOND EDGE OF PAVEMENT  
 CONSTRUCT (1) WITHOUT TIE BARS  
 CONSTRUCT (9) AND COMPLETE CONSTRUCTION OF (4) AND (10)  
 INSTALL TIE BARS AND COMPLETE (5) AND (6).



GUARDRAIL SECTION

LEGEND

- (1) PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED)
- (2) STABILIZED SUBBASE 4"
- (3) LIME MODIFIED SOIL (12" MIN)
- (4) PIPE UNDERDRAINS 4"
- (5) COMPACTED SUBGRADE (EMBANKMENT)
- (6) PORTLAND CEMENT CONCRETE SHOULDERS 9"
- (7) AGGREGATE SHOULDERS, TYPE B (9")
- (8) CONCRETE HEADWALL FOR PIPE DRAINS (PER STD 601101)
- (9) UNDERDRAIN TRENCH (PER STD 601001) TO BE INSTALLED WITH LASER-GUIDED TRENCHER
- (10) FA-4 OR FM-4 SAND (INCLUDED IN COST OF PIPE UNDERDRAINS 4")
- (11) PIPE UNDERDRAINS 4" (SPECIAL) (PER ARTICLE 601.04) AT 2% SLOPE
- (12) GUARDRAIL AGGREGATE EROSION CONTROL
- (13) EXISTING PRE-GRADE GROUND LINE (1 1/4" BELOW PGL)
- (14) AGGREGATE WEDGE SHOULDER, TYPE B (9") - TO BE PAID FOR AS AGGREGATE SHOULDER, TYPE B
- (A) SEEDING, CLASS 2A

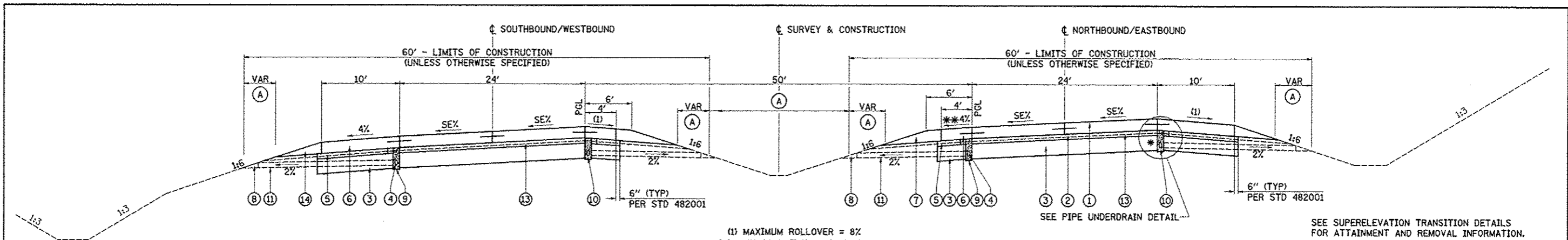


IL 336 /IL 110 TANGENT SECTION

STA 577+00.00 TO STA 578+67.56  
 STA 578+67.56 TO STA 579+74.26 - CURVE #2 RT  
 STA 579+74.26 TO STA 586+87.33 - BRIDGE & APPROACH PAVEMENT OMISSION  
 STA 586+87.33 TO STA 602+01.15 - CURVE #2 RT  
 STA 602+01.15 TO STA 633+39.48  
 STA 633+39.48 TO STA 634+86.98 - BRIDGE & APPROACH PAVEMENT OMISSION  
 STA 634+86.98 TO STA 635+34.06  
 STA 648+71.14 TO STA 657+80.17  
 STA 708+30.50 TO STA 708+50.00  
 STA 708+50.00 TO STA 710+25.00 - TRANSITION MEDIAN WIDTH FROM 50' TO 55'

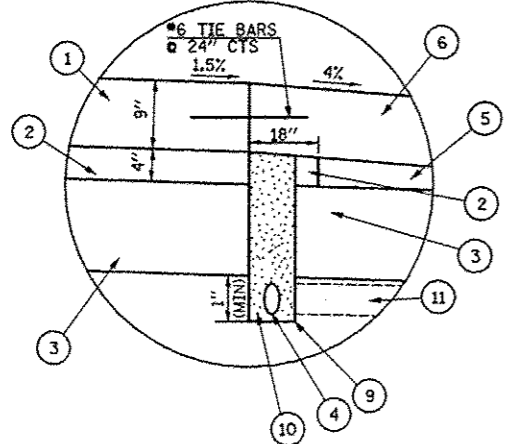
**NOTE:**  
 FOR STA 627+00.00 TO STA 630+50.00, THE CONTRACTOR SHALL REMOVE 1' OF SUBGRADE FROM EDGE OF PROPOSED SHOULDER TO EDGE OF PROPOSED SHOULDER AND REPLACE WITH COMPACTED EARTH TO THE SATISFACTION OF THE ENGINEER.  
 THE REMOVED SUBGRADE MATERIAL SHALL BE CONSIDERED A RESTRICTED EMBANKMENT MATERIAL. THE MATERIAL USED TO REPLACE THIS MATERIAL SHALL BE PLACED PRIOR TO THE LIME STABILIZATION AND SHALL BE LIME MODIFIED.

FILE NAME -	USER NAME - JDenn	DESIGNED - JRB	REVISED - 5/15/2015	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>FAP ROUTE 407 (IL 336 /IL 110) TYPICAL SECTIONS - IL 336 /IL 110 TANGENT SECTION (ALT. A)</b>		F.A.P. RTE. 407	SECTION 55C3(PV,HB(2-6);B.B-1,B-2))	COUNTY. McDONOUGH	TOTAL SHEETS 874	SHEET NO. 28	
v:\transportation\2891\2-Lane Paving Pl	scadd sheets\0468844-shs\typical07.dgn	DRAWN - TJD	REVISED -		SCALE: N/A	SHEET NO. 2 OF 6 SHEETS	STA.	TO STA.	CONTRACT NO. 68844			
	PLOT SCALE = 28,800' / IN.	CHECKED - JRB	REVISED -		ILLINOIS FED. AID PROJECT							
	PLOT DATE = 5/19/2015	DATE - 1-30-2015	REVISED -									



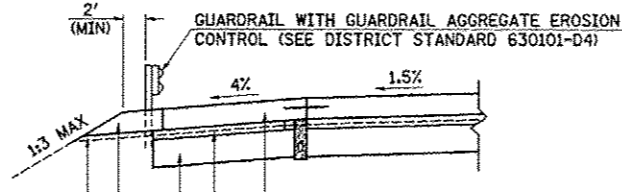
**IL 336 / IL 110 SUPERELEVATED SECTION**

STA 548+25.25 TO STA 575+11.16 - CURVE #1 LT



PIPE UNDERDRAIN DETAIL

- \* CONSTRUCT (2) TO 18" BEYOND EDGE OF PAVEMENT
- CONSTRUCT (1) WITHOUT TIE BARS
- CONSTRUCT (9) AND COMPLETE CONSTRUCTION OF (4) AND (10)
- INSTALL TIE BARS AND COMPLETE (5) AND (6).



GUARDRAIL SECTION

- LEGEND**
- (1) PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED)
  - (2) STABILIZED SUBBASE 4"
  - (3) LIME MODIFIED SOIL (12" MIN)
  - (4) PIPE UNDERDRAINS 4"
  - (5) COMPACTED SUBGRADE (EMBANKMENT)
  - (6) PORTLAND CEMENT CONCRETE SHOULDERS 9"
  - (7) AGGREGATE SHOULDERS, TYPE B (9")
  - (8) CONCRETE HEADWALL FOR PIPE DRAINS (PER STD 601101)
  - (9) UNDERDRAIN TRENCH (PER STD 601001) TO BE INSTALLED WITH LASER-GUIDED TRENCHER
  - (10) FA-4 OR FM-4 SAND (INCLUDED IN COST OF PIPE UNDERDRAINS 4")
  - (11) PIPE UNDERDRAINS 4" (SPECIAL) (PER ARTICLE 601.04) AT 2% SLOPE
  - (12) GUARDRAIL AGGREGATE EROSION CONTROL
  - (13) EXISTING PRE-GRADE GROUND LINE (11/4" BELOW PCL)
  - (14) AGGREGATE WEDGE SHOULDER, TYPE B (9") - TO BE PAID FOR AS AGGREGATE SHOULDER, TYPE B
  - (A) SEEDING, CLASS 2A

**NOTE:**  
 FOR STA 559+00.00 TO STA 566+00.00, STA 673+00.00 TO STA 675+00.00 AND STA 691+50.00 TO STA 692+50.00, THE CONTRACTOR SHALL REMOVE 1' OF SUBGRADE FROM EDGE OF PROPOSED SHOULDER TO EDGE OF PROPOSED SHOULDER AND REPLACE WITH COMPACTED EARTH TO THE SATISFACTION OF THE ENGINEER.  
 THE REMOVED SUBGRADE MATERIAL SHALL BE CONSIDERED A RESTRICTED EMBANKMENT MATERIAL. THE MATERIAL USED TO REPLACE THIS MATERIAL SHALL BE PLACED PRIOR TO THE LIME STABILIZATION AND SHALL BE LIME MODIFIED.

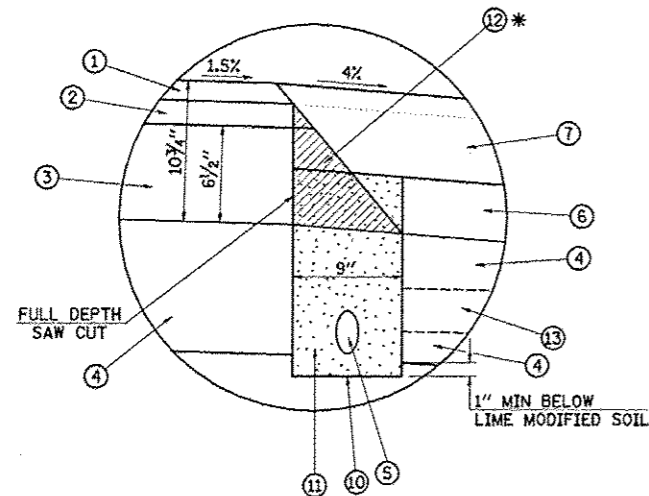
**IL 336 / IL 110 SUPERELEVATED SECTION**

STA 635+34.06 TO STA 648+71.14 - CURVE #3 RT  
 STA 657+80.17 TO STA 680+16.85 - CURVE #4 RT  
 STA 680+16.85 TO STA 682+27.34 - BRIDGE & APPROACH PAVEMENT OMISSION  
 STA 682+27.34 TO STA 702+13.27 - CURVE #4 RT  
 STA 702+13.27 TO STA 703+26.73 - BRIDGE & APPROACH PAVEMENT OMISSION  
 STA 703+26.73 TO STA 708+30.50 - CURVE #4 RT

SEE SUPERELEVATION TRANSITION DETAILS FOR ATTAINMENT AND REMOVAL INFORMATION.

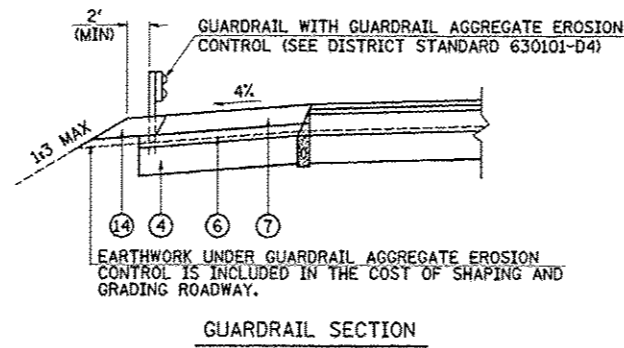
FILE NAME: v:\transportation\2891\2-Lane Paving Plan\road sheets\0488044-alt-typical\B7.dgn	USER NAME: JDeen	DESIGNED: JRB	REVISED: 5/15/2015	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>FAP ROUTE 407 (IL 336 / IL 110) TYPICAL SECTIONS - IL 336 / IL 110 SUPERELEVATED SECTION (ALT. A)</b>		F.A.P. RTE. 407	SECTION 55(3(PV,HB(2-6);B,B-1,B-2))	COUNTY MCDONOUGH	TOTAL SHEETS 874	SHEET NO. 30	
PLT SCALE: 28.00' / IN.	CHECKED: JRB	DATE: 1-30-2015	REVISED:		SCALE: N/A	SHEET NO. 4 OF 6 SHEETS	STA. TO STA.	CONTRACT NO. 68B44				
PLT DATE: 5/19/2015	DATE:	DATE:	REVISED:		ILLINOIS FED. AID PROJECT							





PIPE UNDERDRAIN DETAIL

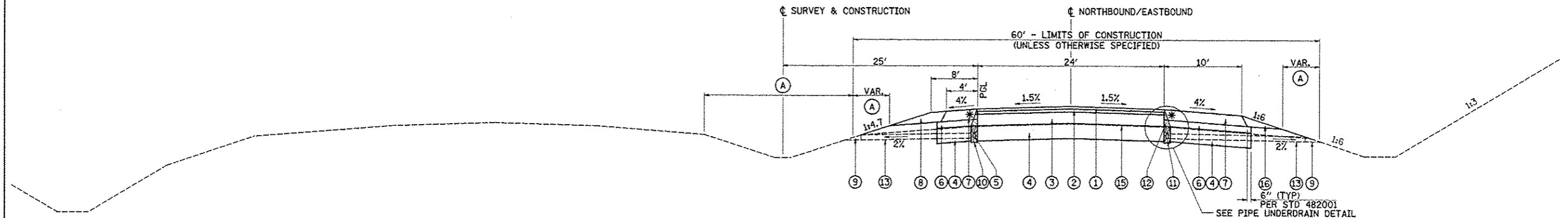
\* CONSTRUCT ② AND ③. SAWCUT AS SHOWN IN DETAIL. THEN CONSTRUCT ⑥. CONSTRUCT ⑤, ⑩, AND ⑪. CONSTRUCT ⑦ TO TOP OF ② PRIOR TO PLACING ①. CONSTRUCT ① AND COMPLETE CONSTRUCTION OF ⑦.



GUARDRAIL SECTION

LEGEND

- ① POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 2"
- ② POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 2 1/4"
- ③ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 6 1/2"
- ④ LIME MODIFIED SOIL (12" MIN)
- ⑤ PIPE UNDERDRAINS 4"
- ⑥ COMPACTED SUBGRADE (EMBANKMENT)
- ⑦ HOT-MIX ASPHALT SHOULDERS, 8"
- ⑧ AGGREGATE SHOULDERS, TYPE B (8")
- ⑨ CONCRETE HEADWALL FOR PIPE DRAINS (PER STD 601101)
- ⑩ 9" TRENCH FOR PIPE UNDERDRAINS (PER STD 601001) TO BE INSTALLED WITH LASER-GUIDED TRENCHER
- ⑪ FA-4 OR FM-4 SAND (INCLUDED IN COST OF PIPE UNDERDRAINS 4")
- ⑫ HOT-MIX ASPHALT WEDGE TO BE REMOVED PRIOR TO TRENCHING (INCLUDED IN COST OF PIPE UNDERDRAINS 4")
- ⑬ PIPE UNDERDRAINS 4" (SPECIAL) (PER ARTICLE 601.04) AT 2% SLOPE
- ⑭ GUARDRAIL AGGREGATE EROSION CONTROL
- ⑮ EXISTING PRE-GRADE GROUND LINE (11 1/4" BELOW PGL)
- ⑯ AGGREGATE WEDGE SHOULDER, TYPE B (8") - TO BE PAID FOR AS AGGREGATE SHOULDER, TYPE B
- Ⓐ SEEDING, CLASS 2A

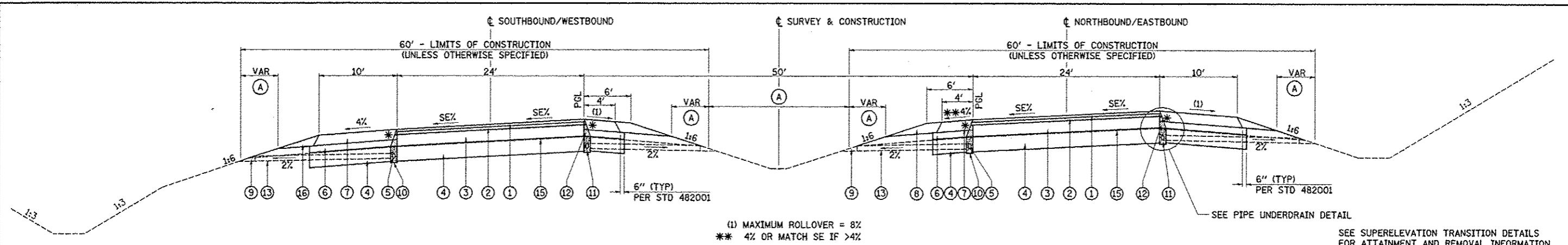


IL 336 /IL 110 TANGENT SECTION

STA 577+00.00 TO STA 578+67.56  
 STA 578+67.56 TO STA 579+74.26 - CURVE #2 RT  
 STA 579+74.26 TO STA 586+87.33 - BRIDGE & APPROACH PAVEMENT OMISSION  
 STA 586+87.33 TO STA 602+01.15 - CURVE #2 RT  
 STA 602+01.15 TO STA 633+39.48  
 STA 633+39.48 TO STA 634+86.98 - BRIDGE & APPROACH PAVEMENT OMISSION  
 STA 634+86.98 TO STA 635+34.06  
 STA 648+71.14 TO STA 657+80.17  
 STA 708+30.50 TO STA 708+50.00  
 STA 708+50.00 TO STA 710+25.00 - TRANSITION MEDIAN WIDTH FROM 50' TO 55'

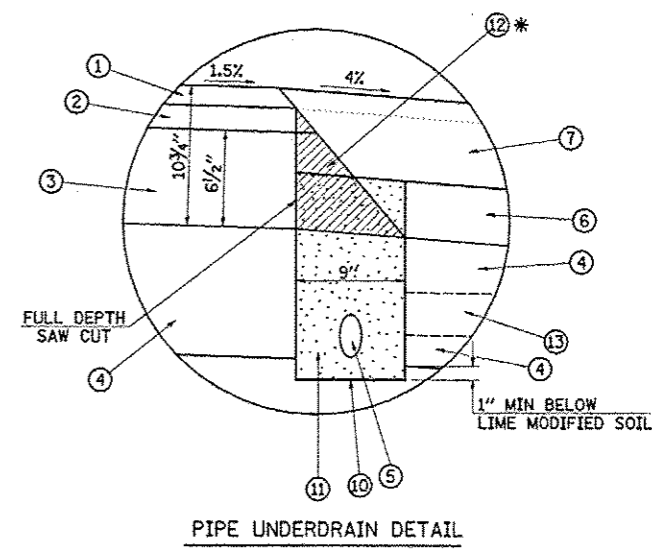
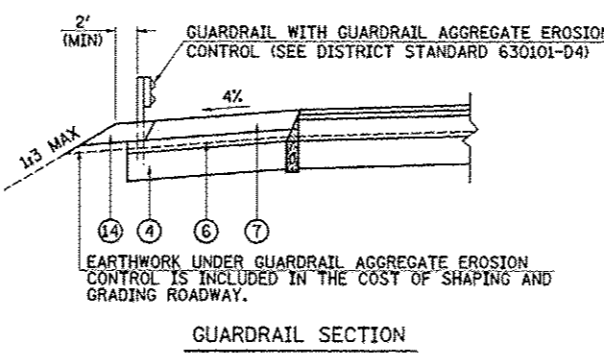
**NOTE:**  
 FOR STA 627+00.00 TO STA 630+50.00, THE CONTRACTOR SHALL REMOVE 1' OF SUBGRADE FROM EDGE OF PROPOSED SHOULDER TO EDGE OF PROPOSED SHOULDER AND REPLACE WITH COMPACTED EARTH TO THE SATISFACTION OF THE ENGINEER.  
 THE REMOVED SUBGRADE MATERIAL SHALL BE CONSIDERED A RESTRICTED EMBANKMENT MATERIAL. THE MATERIAL USED TO REPLACE THIS MATERIAL SHALL BE PLACED PRIOR TO THE LIME STABILIZATION AND SHALL BE LIME MODIFIED.

FILE NAME : v:\transportation\289112-Lane Paving Plots\cadd\plots\468944-shr-typical181.dgn	USER NAME : JDeon	DESIGNED - JRB	REVISED - 5/15/2015	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>FAP ROUTE 407 (IL 336 /IL 110) TYPICAL SECTIONS - IL 336 /IL 110 TANGENT SECTION (ALT. B)</b>		F.A.P. RTE. 407	SECTION 55(3)(PV,HB(2-6);B,B-1,B-2)	COUNTY MacDONOUGH	TOTAL SHEETS 874	SHEET NO. 34	
PLOT SCALE = 28.80' / IN.	CHECKED - JRB	REVISOR -	DATE - 1-30-2015		SCALE: N/A	SHEET NO. 2 OF 6 SHEETS	STA.	TO STA.	CONTRACT NO. 68844			
PLOT DATE = 5/19/2015	DATE -	REVISOR -	REVISOR -		ILLINOIS FED. AID PROJECT							
ILLINOIS FED. AID PROJECT												



**IL 336 / IL 110 SUPERELEVATED SECTION**  
 STA 548+25.25 TO STA 575+11.16 - CURVE #1 LT

- LEGEND**
- ① POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 2"
  - ② POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 2 1/4"
  - ③ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 6 1/2"
  - ④ LIME MODIFIED SOIL (12" MIN)
  - ⑤ PIPE UNDERDRAINS 4"
  - ⑥ COMPACTED SUBGRADE (EMBANKMENT)
  - ⑦ HOT-MIX ASPHALT SHOULDERS, 8"
  - ⑧ AGGREGATE SHOULDERS, TYPE B (8")
  - ⑨ CONCRETE HEADWALL FOR PIPE DRAINS (PER STD 601101)
  - ⑩ 9" TRENCH FOR PIPE UNDERDRAINS (PER STD 601001) TO BE INSTALLED WITH LASER-GUIDED TRENCHER
  - ⑪ FA-4 OR FM-4 SAND (INCLUDED IN COST OF PIPE UNDERDRAINS 4")
  - ⑫ HOT-MIX ASPHALT WEDGE TO BE REMOVED PRIOR TO TRENCHING (INCLUDED IN COST OF PIPE UNDERDRAINS 4")
  - ⑬ PIPE UNDERDRAINS 4" (SPECIAL) (PER ARTICLE 601.04) AT 2% SLOPE
  - ⑭ GUARDRAIL AGGREGATE EROSION CONTROL
  - ⑮ EXISTING PRE-GRADE GROUND LINE (1 1/4" BELOW PGL)
  - ⑯ AGGREGATE WEDGE SHOULDER, TYPE B (8") - TO BE PAID FOR AS AGGREGATE SHOULDER, TYPE B
  - (A) SEEDING, CLASS 2A



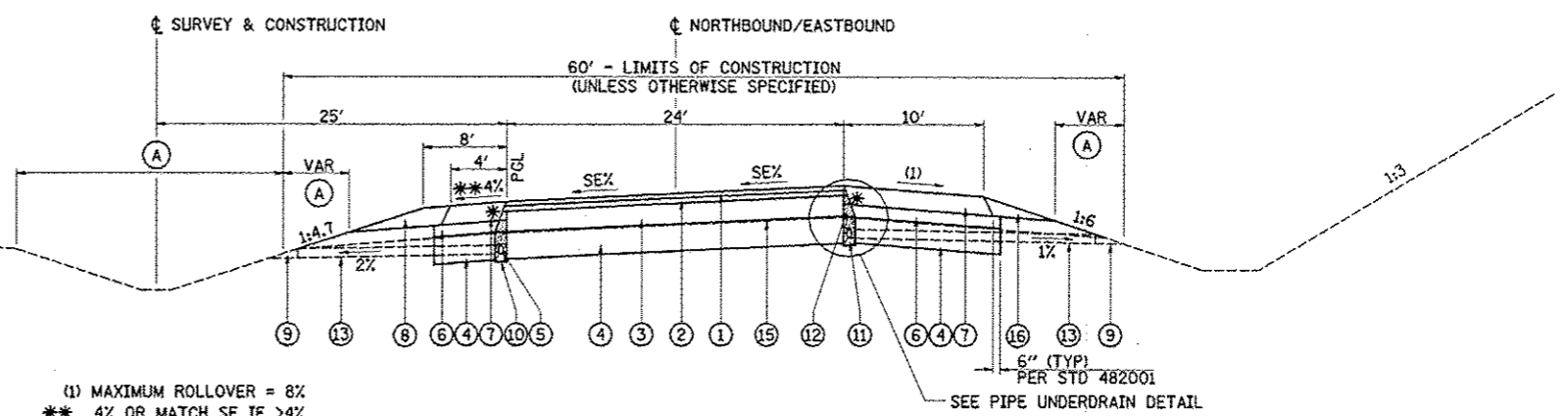
**PIPE UNDERDRAIN DETAIL**

\* CONSTRUCT ② AND ③. SAWCUT AS SHOWN IN DETAIL. THEN CONSTRUCT ⑥. CONSTRUCT ⑤, ⑩, AND ⑪. CONSTRUCT ⑦ TO TOP OF ② PRIOR TO PLACING ①. CONSTRUCT ① AND COMPLETE CONSTRUCTION OF ⑦.

**NOTE:**  
 FOR STA 559+00.00 TO STA 566+00.00, STA 673+00.00 TO STA 675+00.00 AND STA 691+50.00 TO STA 692+50.00, THE CONTRACTOR SHALL REMOVE 1' OF SUBGRADE FROM EDGE OF PROPOSED SHOULDER TO EDGE OF PROPOSED SHOULDER AND REPLACE WITH COMPACTED EARTH TO THE SATISFACTION OF THE ENGINEER.

THE REMOVED SUBGRADE MATERIAL SHALL BE CONSIDERED A RESTRICTED EMBANKMENT MATERIAL. THE MATERIAL USED TO REPLACE THIS MATERIAL SHALL BE PLACED PRIOR TO THE LIME STABILIZATION AND SHALL BE LIME MODIFIED.

**IL 336 / IL 110 SUPERELEVATED SECTION**  
 STA 635+34.06 TO STA 648+71.14 - CURVE #3 RT  
 STA 657+80.17 TO STA 680+16.85 - CURVE #4 RT  
 STA 680+16.85 TO STA 682+27.34 - BRIDGE & APPROACH PAVEMENT OMISSION  
 STA 682+27.34 TO STA 702+13.27 - CURVE #4 RT  
 STA 702+13.27 TO STA 703+26.73 - BRIDGE & APPROACH PAVEMENT OMISSION  
 STA 703+26.73 TO STA 708+30.50 - CURVE #4 RT



SEE SUPERELEVATION TRANSITION DETAILS FOR ATTAINMENT AND REMOVAL INFORMATION.

FILE NAME : \\transportation\2891\2-Lane Paving Plans\head sheets\0468044-shr-typcal\03.dgn	USER NAME : JDeen	DESIGNED - JRB	REVISED - 5/15/2015	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>FAP ROUTE 407 (IL 336 / IL 110)</b>		F.A.P. RTE. 407	SECTION 55(3)PV, HB(2-6)B, B-1, B-2	COUNTY McDONOUGH	TOTAL SHEETS 874	SHEET NO. 36
	PLDT SCALE : 20.00' / IN.	DRAWN - TJD	REVISOR -		<b>TYPICAL SECTIONS - IL 336 / IL 110 SUPERELEVATED SECTION (ALT. B)</b>		SCALE: N/A	SHEET NO. 4 OF 6 SHEETS	STA. TO STA.	CONTRACT NO. 68844	
	PLDT DATE : 5/19/2015	CHECKED - JRB	REVISOR -				ILLINOIS FED. AID PROJECT				
		DATE - 1-30-2015	REVISOR -								

EARTHWORK (ALTERNATE A)

LOCATION	20200100	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE *	EMBANKMENT	20400800	21101615
	EARTH EXCAVATION			BALANCE WASTE (+) OR SHORTAGE (-)	TOPSOIL FURNISH & PLACE 4"
	CU YD			SQ YD	
<b>FAP ROUTE 407 (IL 336/IL 110)</b>					
STA 541+57.14 TO STA 577+00.00					2,590.5
** STA 559+00.00 TO STA 566+00.00	985.2		1,182.2	(1,182.2)	
STA 577+00.00 TO STA 580+03.80					142.1
STA 586+57.70 TO STA 633+80.96					2,309.1
** STA 627+00.00 TO STA 630+50.00	492.6		591.1	(591.1)	
STA 634+32.45 TO STA 680+63.18					2,263.9
** STA 673+00.00 TO STA 675+00.00	281.5		337.8	(337.8)	
STA 682+14.84 TO STA 702+42.09					991.1
** STA 691+50.00 TO STA 692+50.00	140.7		168.8	(168.8)	
STA 702+98.91 TO STA 729+00.00					1,271.6
STA 729+00.00 TO STA 734+00.00	49,345.6	39,476.5	183.8	39,292.7	6,477.8
STA 734+00.00 TO STA 779+23.37					2,211.4
STA 779+84.87 TO STA 801+00.00					1,034.1
STA 801+00.00 TO STA 805+00.00	1,241.9	993.5	2,782.9	(1,789.4)	2,006.6
STA 805+00.00 TO STA 840+00.00					1,711.1
STA 840+00.00 TO STA 842+00.00	852.9	682.3	2,878.7	(2,196.4)	865.8
STA 842+00.00 TO STA 864+50.00					1,100.0
STA 864+50.00 TO STA 886+50.00					1,679.1
<b>RAMP L</b>					
STA 50+00.00 TO STA 72+04.23					916.7
<b>RAMP K</b>					
STA 101+45.00 TO STA 131+93.42					1,490.3
<b>RAMP A</b>					
STA 322+00.00 TO STA 323+50.00	0.0	0.0	1,073.5	(1,073.5)	1,274.7
STA 323+50.00 TO STA 345+42.00					761.8
<b>RAMP D</b>					
STA 200+00.00 TO STA 219+04.55					769.8
STA 219+04.55 TO STA 219+50.00	0.0	0.0	342.6	(342.6)	184.8
<b>EMORY ROAD (950E)</b>					
STA 3001+00.00 TO STA 3010+75.89 (BACK OF ABUTMENT)	1,223.7	979.0	15,371.0	(14,392.0)	6,707.7
STA 3013+21.78 (BACK OF ABUTMENT) TO STA 3027+00.00	2,924.3	2,339.4	18,658.2	(16,318.8)	8,356.8
<b>TOWER ROAD (1400N)</b>					
RE-GRADE EXISTING ROADBED	390.0	312.0	867.0	(555.0)	3,900.0
STA 11+00.00 TO STA 28+00.00	3,985.6	3,188.5	7,648.7	(4,460.2)	12,163.4
<b>COUNTY HIGHWAY 20 (1500N)</b>					
STA 5000+50.00 TO STA 5009+33.81 (BACK OF ABUTMENT)	48.6	38.9	33,086.8	(33,047.9)	7,065.0
STA 5012+19.25 (BACK OF ABUTMENT) TO STA 5031+00.00	320.4	256.3	40,165.0	(39,908.7)	9,443.2
STA 5042+00.00 TO STA 5051+00.00	39.5	31.6	753.4	(721.8)	769.4
<b>1100E</b>					
STA 6005+00.00 TO STA 6017+97.81 (BACK OF ABUTMENT)	57.0	45.6	28,638.4	(28,592.8)	7,195.7
STA 6020+09.81 (BACK OF ABUTMENT) TO STA 6031+78.00	107.6	86.1	24,534.8	(24,448.7)	5,436.3
<b>SERVICE DRIVE</b>					
STA 10838+00.00 TO STA 10839+80.00	100.5	80.4	998.8	(918.4)	753.2
<b>FAP ROUTE 310 (US 67)</b>					
RESURFACING (STA 435+24.79 TO STA 438+50.00)	56.6	45.3	137.9	(92.6)	609.9
PRE-STAGE 1 (STA 439+25.00 TO STA 446+00.00)	40.8	32.6	29.9	2.7	
STAGE 1 (STA 438+50.00 TO STA 461+50.00)	3,776.0	3,020.8	962.6	2,058.2	7,410.1
STAGE 2 (STA 438+50.00 TO STA 461+50.00)	3,919.0	3,135.2	1,865.4	1,269.8	4,654.1
STAGE 3 (STA 438+50.00 TO STA 461+50.00)	5,169.3	4,135.4	4,616.6	(481.2)	12,129.7
<b>TOTAL</b>	<b>75,499.3</b>	<b>58,879.4</b>	<b>187,876.0</b>	<b>(128,996.6)</b>	<b>118,646.8</b>
<b>USE</b>	<b>75,500</b>	<b>58,880</b>	<b>187,876</b>	<b>129,000</b>	<b>118,647</b>

\* SHRINKAGE FACTOR = 20%  
 \*\* SEE GENERAL NOTES & TYPICAL SECTIONS

LOCATION	EARTHWORK (ALTERNATE B)				
	20200100	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE *	EMBANKMENT	20400800	21101615
	EARTH EXCAVATION			BALANCE WASTE (+) OR SHORTAGE (-)	TOPSOIL FURNISH & PLACE 4"
	CU YD			SQ YD	
<b>FAP ROUTE 407 (IL 336/IL 110)</b>					
STA 541+57.14 TO STA 577+00.00					2,590.5
** STA 559+00.00 TO STA 566+00.00	△	985.2	1,182.2	(1,182.2)	
STA 577+00.00 TO STA 580+03.80					142.1
STA 586+57.70 TO STA 633+80.96					2,309.1
** STA 627+00.00 TO STA 630+50.00	△	492.6	591.1	(591.1)	
STA 634+32.45 TO STA 680+63.18					2,263.9
** STA 673+00.00 TO STA 675+00.00	△	281.5	337.8	(337.8)	
STA 682+14.84 TO STA 702+42.09					991.1
** STA 691+50.00 TO STA 692+50.00	△	140.7	168.8	(168.8)	
STA 702+98.91 TO STA 729+00.00					1,271.6
STA 729+00.00 TO STA 734+00.00		49,345.6	39,476.5	39,292.7	6,477.8
STA 734+00.00 TO STA 779+23.37					2,211.4
STA 779+84.87 TO STA 801+00.00					1,034.1
STA 801+00.00 TO STA 805+00.00		1,241.9	993.5	2,782.9	(1,789.4)
STA 805+00.00 TO STA 840+00.00					1,711.1
STA 840+00.00 TO STA 842+00.00		852.9	682.3	2,878.7	(2,196.4)
STA 842+00.00 TO STA 864+50.00					1,100.0
STA 864+50.00 TO STA 886+50.00					1,679.1
<b>RAMP L</b>					
STA 50+00.00 TO STA 72+04.23					916.7
<b>RAMP K</b>					
STA 101+45.00 TO STA 131+93.42					1,490.3
<b>RAMP A</b>					
STA 322+00.00 TO STA 323+50.00		0.0	0.0	1,073.5	(1,073.5)
STA 323+50.00 TO STA 345+42.00					761.8
<b>RAMP D</b>					
STA 200+00.00 TO STA 219+04.55					769.8
STA 219+04.55 TO STA 219+50.00		0.0	0.0	342.6	(342.6)
<b>EMORY ROAD (950E)</b>					
STA 3001+00.00 TO STA 3010+75.89 (BACK OF ABUTMENT)		1,223.7	979.0	15,371.0	(14,392.0)
STA 3013+21.78 (BACK OF ABUTMENT) TO STA 3027+00.00		2,924.3	2,339.4	18,658.2	(16,318.8)
<b>TOWER ROAD (1400N)</b>					
RE-GRADE EXISTING ROADBED		390.0	312.0	867.0	(555.0)
STA 11+00.00 TO STA 28+00.00		3,985.6	3,188.5	7,648.7	(4,460.2)
<b>COUNTY HIGHWAY 20 (1500N)</b>					
STA 5000+50.00 TO STA 5009+33.81 (BACK OF ABUTMENT)		48.6	38.9	33,086.8	(33,047.9)
STA 5012+19.25 (BACK OF ABUTMENT) TO STA 5031+00.00		320.4	256.3	40,165.0	(39,908.7)
STA 5042+00.00 TO STA 5051+00.00		39.5	31.6	753.4	(721.8)
<b>1100E</b>					
STA 6005+00.00 TO STA 6017+97.81 (BACK OF ABUTMENT)		57.0	45.6	28,638.4	(28,592.8)
STA 6020+09.81 (BACK OF ABUTMENT) TO STA 6031+78.00		107.6	86.1	24,534.8	(24,448.7)
<b>SERVICE DRIVE</b>					
STA 10838+00.00 TO STA 10839+80.00		100.5	80.4	998.8	(918.4)
<b>FAP ROUTE 310 (US 67)</b>					
RESURFACING (STA 435+24.79 TO STA 438+50.00)		56.6	45.3	137.9	(92.6)
PRE-STAGE 1 (STA 439+25.00 TO STA 446+00.00)		40.8	32.6	29.9	2.7
STAGE 1 (STA 438+50.00 TO STA 461+50.00)		3,530.9	2,824.7	1,058.6	1,766.1
STAGE 2 (STA 438+50.00 TO STA 461+50.00)		3,465.7	2,772.6	2,117.5	655.1
STAGE 3 (STA 438+50.00 TO STA 461+50.00)		5,059.3	4,047.4	4,756.5	(709.1)
<b>TOTAL</b>		<b>74,690.9</b>	<b>58,232.7</b>	<b>188,364.0</b>	<b>(130,131.3)</b>
<b>USE</b>		<b>74,695</b>	<b>58,233</b>	<b>188,364</b>	<b>118,647</b>

\* SHRINKAGE FACTOR = 20%  
 \*\* SEE GENERAL NOTES & TYPICAL SECTIONS

40600285	
POLYMERIZED BIT. MATERIALS ( PRIME COAT)	POUND
LOCATION	
CH 14 DETOUR	10,732
ADAMS STREET DETOUR	9,610
CH 20 DETOUR	7,216
TOTAL	27,558

40603310	
HMA SURFACE CSE, MIX "C", N50, 1.5"	TON
LOCATION	
CH 14 DETOUR	2,003
ADAMS STREET DETOUR	1,794
CH 20 DETOUR	1,347
TOTAL	5,144

44000155	
HMA SURFACE REMOVAL 1.5"	SQ YD
ADAMS STREET DETOUR	21,355
TOTAL	21,355

48101200		
AGGREGATE SHOULDERS, TYPE B	WIDTH	TON
LOCATION		
CH 14 DETOUR	2 Feet wedge	311
CH 20 DETOUR	2 Feet wedge	210
TOTAL		521

QUANTITIES ARE ESTIMATED AND SHALL BE USED AS DIRECTED BY THE ENGINEER.

PIPE UNDERDRAINS SCHEDULE

STATION TO STATION		60107600									
		PIPE UNDERDRAINS 4"									
		NB/ EB LANES		SB/ WB LANES		RAMPS		US RTE 67			
		LT OUTSIDE	LT MEDIAN	RT MEDIAN	RT OUTSIDE	LT	RT	LT OUTSIDE	LT MEDIAN	RT MEDIAN	RT OUTSIDE
FAP ROUTE 407 (IL 336/IL 110)											
541+57.14	TO 577+00.00	3,542.9	3,542.9								
546+24.47	TO 579+75.00			3,350.5	3,350.5						
586+87.00	TO 633+42.00				4,655.0						
586+87.00	TO 633+52.00			4,665.0							
634+55.00	TO 680+53.00				4,598.0						
634+65.00	TO 680+29.00			4,564.0							
682+41.00	TO 702+12.00			1,971.0							
682+66.00	TO 702+12.00				1,946.0						
703+28.00	TO 778+75.00				7,547.0						
703+28.00	TO 778+98.00			7,570.0							
779+94.00	TO 886+50.00				10,656.0						
780+18.00	TO 886+50.00			10,632.0							
864+50.00	TO 886+50.00	2,200.0	2,200.0								
RAMP L											
50+00.00	TO 72+04.23							2,204.2			
56+58.52	TO 72+04.23							1,545.7			
RAMP K											
101+45.00	TO 119+61.56							1,816.6			
101+45.00	TO 129+67.15								2,822.2		
RAMP A											
322+40.00	TO 345+42.02								2,302.0		
322+50.00	TO 334+73.72							1,223.7			
RAMP D											
200+00.00	TO 219+00.00								1,900.0		
206+06.82	TO 218+00.00							1,193.2			
FAP ROUTE 310 (US 67)											
438+46.31	TO 460+50.00										2,203.7
438+46.31	TO 461+30.00									2,283.7	
438+46.31	TO 444+84.29									638.0	
438+46.31	TO 445+00.76										654.5
454+99.24	TO 461+50.00									650.8	
455+15.70	TO 461+50.00										634.3
TOTAL		5,742.9	5,742.9	32,752.5	32,752.5	5,779.2	9,228.4	2,283.7	1,288.8	1,288.8	2,203.7
USE											99,064

CONCRETE CURB, GUTTER, MEDIANS & ISLANDS

STATION	TO	STATION	SIDE	31102100	42001300	60608552	60608582	60610400	60618300	60618320	X6060097	X6061902	X6062400	X6062700
				SUBBASE GRANULAR MATERIAL, TYPE C 4"	PROTECTIVE COAT	COMBINATION CONCRETE CURB AND GUTTER			CONCRETE MEDIAN SURFACE		CLASS SI CONCRETE (OUTLET), SPECIAL	CONCRETE MEDIAN, TYPE SM (SPECIAL)	CONCRETE GUTTER (SPECIAL)	CONCRETE GUTTER TYPE A (SPECIAL)
				SQ YD		TYPE M-4.06	TYPE M-4.24	TYPE M-6.24	4 INCH	6 INCH	CJ YD	SQ FT	FOOT	
FAP ROUTE 407 (IL 336/IL 110)														
553+00.00	TO	555+15.00	LT		126.5									214.3
553+47.47	TO	555+50.00	RT		122.3									206.6
568+06.77	TO	569+89.26	LT		115.8									182.3
568+60.85	TO	570+46.48	RT		120.1									188.6
RAMP D														
219+81.75	TO	220+06.88	RT		36.4			61.4	161.5					
FAP ROUTE 310 (US 67)														
435+24.79	TO	445+04.26	LT/RT	221.0	726.3		1,972.2			1,014.3				
445+35.93	TO	446+82.20	LT		209.1	136.3	172.3			1,222.1				
445+70.76	TO	447+13.89	RT		126.2							1,135.6		
447+13.89	TO	449+06.59	RT		27.8	192.7								
447+13.89	TO	450+93.40	LT/RT		118.3		380.1							
449+06.59	TO	452+86.10	LT/RT		118.3		380.1							
450+93.40	TO	452+86.10	LT		27.8	192.7								
452+86.10	TO	454+29.23	LT		126.2								1,135.7	
453+17.79	TO	454+64.18	RT		209.1	136.4	172.3			1,221.8				
448+07.46	TO	449+10.00	RT		47.0						10.0			
449+10.00	TO	456+40.00	RT		275.8									730.0
456+40.00	TO	457+43.03	RT		47.1						10.0			
454+95.74	TO	455+45.16	LT/RT		144.0		110.0			987.8				
TOTAL				221.0	2,724.1	658.1	3,187.0	61.4	161.5	4,446.0	20.0	2,271.3	791.8	730.0
USE				221	2,725	658.5	3,187.0	61.5	162	4,446	20.0	2,272	792.0	730.0

FILE NAME	USER NAME	DESIGNED	REVISED
\\transportation\2891\2-lane paving plan\cadd sheets\4068044-sht-schedule\0.dgn	JDonn	JRB	5/15/2015
PLOT SCALE	CHECKED	DATE	REVISED
1/8" = 1'-0"	JRB	1-30-2015	
PLOT DATE	DATE	REVISED	
5/21/2015			

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

FAP ROUTE 407 (IL 336 /IL 110)  
SCHEDULES OF QUANTITIES

SCALE: NONE SHEET 10 OF 14 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
407	55(3)PV/HB(2-6);B,B-1,B-2	McDONOUGH	874	69
			CONTRACT NO. 68B44	
(ILLINOIS) FED. AID PROJECT				