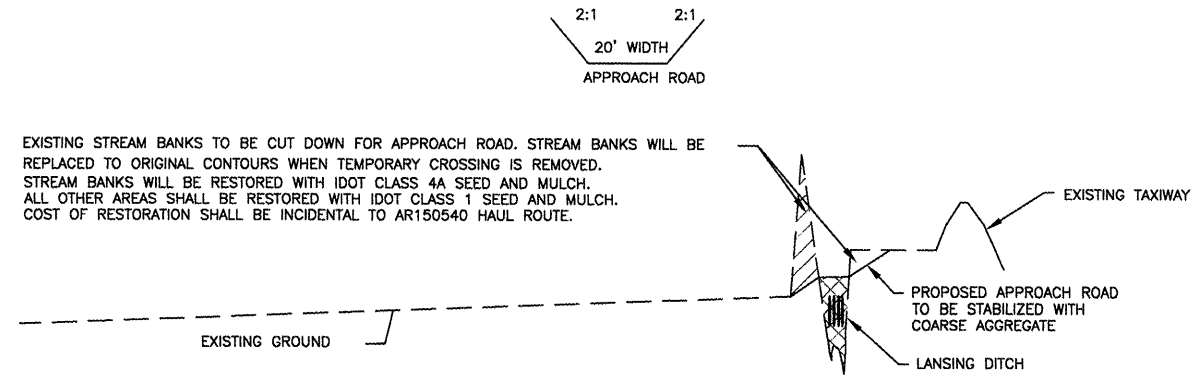
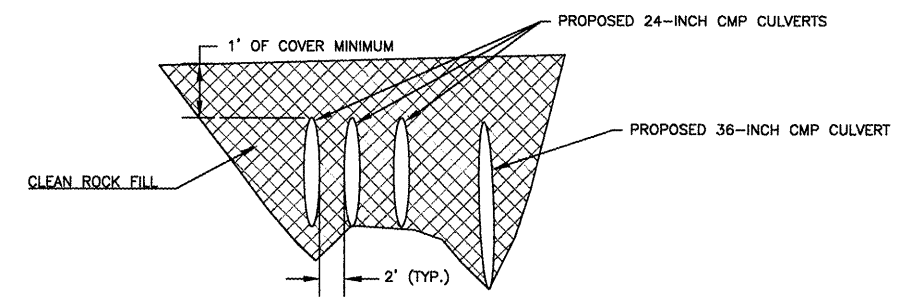


SUMMARY OF QUANTITIES

ITEM	DESCRIPTION	UNIT	ESTIMATED QUANTITY	RECORD QUANTITY
AR108158	1/C #8 5 KV UG CABLE IN UD	LF	3,250	
AR110504	4-WAY CONCRETE ENCASED DUCT	LF	55	
AR125410	MITL - STAKE MOUNTED	EACH	32	
AR125415	MITL - BASE MOUNTED	EACH	5	
AR125442	TAXI GUIDANCE SIGN, 2 CHARACTER	EACH	2	
AR125443	TAXI GUIDANCE SIGN, 3 CHARACTER	EACH	2	
AR125470	MODIFY EXISTING SIGN PANEL	EACH	1	
AR125901	REMOVE STAKE MOUNTED LIGHT	EACH	8	
AR150510	ENGINEER'S FIELD OFFICE	LS	1	
AR150520	MOBILIZATION	LS	1	
AR150540	HAUL ROUTE	LS	1	
AR151450	CLEARING AND GRUBBING	ACRE	0.12	
AR152410	UNCLASSIFIED EXCAVATION	CY	28,000	
AR152540	SOIL STABILIZATION FABRIC	SY	5,550	
AR156510	SILT FENCE	LF	4,150	
AR156511	DITCH CHECK	EACH	13	
AR156520	INLET PROTECTION	EACH	18	
AR156531	EROSION CONTROL BLANKET	SY	6,000	
AR156540	RIPRAP	SY	6	
AR163000	TEMPORARY CONSTRUCTION FENCE	LF	675	
AR201610	BITUMINOUS BASE COURSE	TON	775	
AR208515	POROUS GRANULAR EMBANKMENT	CY	1,325	
AR209611	CRUSHED AGG BASE COURSE - 11"	SY	5,550	
AR401610	BITUMINOUS SURFACE COURSE	TON	550	
AR401650	BITUMINOUS PAVEMENT MILLING	SY	950	
AR401900	REMOVE BITUMINOUS PAVEMENT	SY	20	
AR602510	BITUMINOUS PRIME COAT	GAL	1,620	
AR603510	BITUMINOUS TACK COAT	GAL	900	
AR620520	PAVEMENT MARKING - WATERBORNE	SF	900	
AR620525	PAVEMENT MARKING - BLACK BORDER	SF	175	
AR620900	PAVEMENT MARKING REMOVAL	SF	210	
AR701512	12" RCP, CLASS IV	LF	635	
AR701518	18" RCP, CLASS IV	LF	50	
AR705526	6" PERFORATED UNDERDRAIN W/SOCK	LF	2,400	
AR751540	MANHOLE 4'	EACH	1	
AR751605	CATCH BASIN - SPECIAL	EACH	1	
AR751983	RECONSTRUCT MANHOLE	EACH	3	
AR752618	CONCRETE HEADWALL 18"	EACH	2	
AR752812	SLOPE BOX INLET 12"	EACH	5	
AR752900	REMOVE END SECTION	EACH	1	
AR800894	RETROFIT EXIST MITL OR TXY SIGN	EACH	4	
AR901510	SEEDING	ACRE	11.0	
AR908510	MULCHING	ACRE	9.8	



EXISTING STREAM BANKS TO BE CUT DOWN FOR APPROACH ROAD. STREAM BANKS WILL BE REPLACED TO ORIGINAL CONTOURS WHEN TEMPORARY CROSSING IS REMOVED. STREAM BANKS WILL BE RESTORED WITH IDOT CLASS 4A SEED AND MULCH. ALL OTHER AREAS SHALL BE RESTORED WITH IDOT CLASS 1 SEED AND MULCH. COST OF RESTORATION SHALL BE INCIDENTAL TO AR150540 HAUL ROUTE.



TEMPORARY DITCH CROSSING DETAILS
N.T.S.

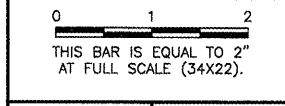
TEMPORARY DITCH CROSSING NOTES

- DESCRIPTION OF TEMPORARY ROAD CROSSING
1. THE TEMPORARY ROAD CROSSING WILL REMAIN INSTALLED FOR ONE CONSTRUCTION SEASON.
 2. THE SITE OF THE TEMPORARY ROAD CROSSING WILL BE RESTORED TO ORIGINAL TOPOGRAPHY AND STABILIZED WITHIN FIVE (5) DAYS AFTER TERMINATION OF ITS INTENDED USE OR AT THE END OF THE CONSTRUCTION SEASON, WHICHEVER COMES FIRST.
 3. THE TEMPORARY ROAD WILL CROSS THE LANSING DITCH AT A RIGHT ANGLE TO THE STREAM.
 4. THE PROPOSED CULVERTS WILL PROVIDE A WATERWAY AREA SUFFICIENT TO ADEQUATELY DISCHARGE THE NORMAL FLOW OF THE WATERCOURSE OR STREAM, AND WILL BE OF SUFFICIENT LENGTH TO EXTEND BEYOND THE TOE OF THE CLEAN ROCK FILL.
 5. THE PROPOSED MULTIPLE CULVERTS MINIMIZE THE PLACEMENT OF EXCESSIVE FILL. EXCAVATION OF THE STREAM BANKS CANNOT BE AVOIDED AS THE 2:1 SLOPES ARE TO STEEP FOR HEAVY CONSTRUCTION EQUIPMENT TO TRAVERSE.
 6. ROAD EMBANKMENTS SHALL CONSIST OF ONLY CLEAN ROCK MATERIAL TO PREVENT STREAM CHANNEL SEDIMENTATION DURING PLACEMENT, REMOVAL AND PERIODS OF OVERTOPPING.
 7. ALL LABOR, MATERIALS, EQUIPMENT AND ANY INCIDENTALS NECESSARY TO COMPLETE TEMPORARY STREAM CROSSING SHALL BE INCIDENTAL TO AR150540 HAUL ROUTE.

- INSPECTION AND MAINTENANCE
1. INSPECT AND VERIFY THAT THE TEMPORARY STREAM CROSSING BMPs ARE IN PLACE PRIOR TO THE COMMENCEMENT OF ASSOCIATED ACTIVITIES. WHILE ACTIVITIES ASSOCIATED WITH THE BMP ARE UNDER WAY, INSPECT WEEKLY DURING THE RAINY SEASON AND AT TWO WEEK INTERVALS IN THE NON-RAINY SEASON TO VERIFY CONTINUED BMP IMPLEMENTATION.
 2. CHECK FOR BLOCKAGE IN THE CHANNEL, SEDIMENT BUILDUP OR TRAPPED DEBRIS IN CULVERTS.
 3. CHECK FOR CHANNEL SCOUR, RIPRAP DISPLACEMENT, OR PIPING IN THE SOIL.
 4. CHECK FOR STRUCTURAL WEAKENING OF THE TEMPORARY CROSSINGS, SUCH AS CRACKS, AND UNDERMINING OF FOUNDATIONS.
 5. REMOVE SEDIMENT THAT COLLECTS IN CULVERTS PERIODICALLY AND AFTER HEAVY RAIN EVENTS. REPLACE LOST OR DISPLACED AGGREGATE FROM INLETS AND OUTLETS OF CULVERTS AND CELLULAR CONFINEMENT SYSTEMS.
 6. REMOVE TEMPORARY CROSSING PROMPTLY WHEN THE TAXIWAY EXTENSION PROJECT IS COMPLETED.

REVISIONS

NUMBER	BY	DATE



LANSING MUNICIPAL AIRPORT
LANSING, ILLINOIS
PARTIAL PARALLEL TAXIWAY TO RUNWAY 18/36
SUMMARY OF QUANTITIES/
TEMPORARY DITCH CROSSING DETAILS

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Lansing Municipal Airport

DESIGN BY:	ARM
DRAWN BY:	JRO
CHECKED BY:	ARM
APPROVED BY:	ARM
DATE:	02/27/09
JOB No:	05297-02
IL. PROJECT: IGQ-3681 A.I.P. PROJECT: 3-17-0121-B26	
SHEET 2 OF 30 SHEETS	