

SUMMARY OF QUANTITIES			
CODE No.	ITEM	CONST. CODE X081-2A	
		UNIT	TOTAL
20200100	EARTH EXCAVATION	CU YD	.30
20300100	CHANNEL EXCAVATION	CU YD	165
20400800	FURNISHED EXCAVATION	CU YD	1070
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	1000
A 25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.6
A 28101700	RIPRAP, SPECIAL	TON	360
35100100	AGGREGATE BASE COURSE, TYPE A	TON	370
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	400
40600300	AGGREGATE (PRIME COAT)	TON	1
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	75
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	275
40600990	TEMPORARY RAMP	SQ YD	50
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	95
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	7
A 44300300	AREA REFLECTIVE CRACK CONTROL TREATMENT, SYSTEM A	SQ YD	823
48101200	AGGREGATE SHOULDERS, TYPE B	TON	245
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50300225	CONCRETE STRUCTURES	CU YD	30.6
50400605	PRECAST PRESTRESSED CONCRETE DECK BEAMS (33" DEPTH)	SQ FT	2180
50800105	REINFORCEMENT BARS	POUND	2650
* 50900205	STEEL RAILING, TYPE S1	FOOT	170
51201600	FURNISHING STEEL PILES HP12X53	FOOT	275
51202305	DRIVING PILES	FOOT	275
51500100	NAME PLATES	EACH	1
54200439	PIPE CULVERTS, TYPE 1 RCCP 24"	FOOT	5
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	4
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	75
* 63000003	STEEL PLATE BEAM GUARD RAIL, TYPE A, 9 FOOT POSTS	FOOT	212.5
* 63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	4
* A 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4
A 67100100	MOBILIZATION	L SUM	1
A 70101830	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	2230
* A 78200405	GUARDRAIL MARKERS	EACH	10
* A 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
78300100	PAVEMENT MARKING REMOVAL	SQ FT	158

A - SEE SPECIAL PROVISIONS \* SPECIALTY ITEMS

### GENERAL NOTES


- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2007," THESE PLANS AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.
- ALL CLEARING AND GRUBBING, FENCE REMOVAL AND REMOVAL OF EXISTING DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION. THE REMOVAL OF THE EXISTING PAVEMENT WILL BE PAID FOR AS EARTH EXCAVATION. ALL BITUMINOUS MATERIAL SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR IN A METHOD APPROVED BY THE ENGINEER. PROPER DISPOSAL OF BITUMINOUS MATERIAL SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE LOCATION OF EXISTING GAS MAINS, 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 THE LOCATIONS ARE NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE INDIVIDUAL UTILITY COMPANIES AND BY FIELD INSPECTION.
- WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- THE CONTRACTOR SHALL CONSULT THE ENGINEER IN REGARD TO THE EXACT LENGTH OF PIPE CULVERTS AND PIPE DRAINS BEFORE ORDERING THESE ITEMS.
- THE FENCES WILL BE REMOVED BY OTHERS. CONTRACTOR SHALL NOTIFY THE ENGINEER, 5 DAYS BEFORE HIS INTENDED START DATE FOR THE FENCE TO BE RELOCATED.
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES.  

HOT-MIX ASPHALT	112 LBS/SQ YD/IN
RIPRAP, SPECIAL	1.75 TON/CU YD
AGGREGATE BASE COURSE	2.05 TON/CU YD
- THE AREA TO BE SEEDED SHALL CONSIST OF ALL DISTURBED EARTH SURFACES WITHIN THE R.O.W. AS DIRECTED BY THE ENGINEER.
- USE PRIME COAT RC-70

MIXTURE REQUIREMENTS	
LOCATION(S):	FAS 824/ CH42 STA. 7+10 TO STA. 12+90.00
MIXTURE USE(S):	HOT-MIX ASPHALT SURFACE COURSE & INCIDENTAL
AC/PG:	PG 64-22
RAP % (MAX):	15%
DESIGN AIR VOIDS:	4% @ Ndes 50
MIXTURE COMPOSITION: (GRADATION MIXTURE):	IL 9.5
FRICTION AGGREGATE:	MIXTURE C
MIXTURE WEIGHTS:	112 LBS \ SY \ INCH THICKNESS

MIXTURE REQUIREMENTS	
LOCATION(S):	FAS 824/ CH42 STA. 7+10 TO STA. 12+90.00
MIXTURE USE(S):	LEVELING BINDER (MACHINE METHOD)
AC/PG:	PG 64-22
RAP % (MAX):	25%
DESIGN AIR VOIDS:	4% @ Ndes 50
MIXTURE COMPOSITION: (GRADATION MIXTURE):	IL 9.5
FRICTION AGGREGATE:	MIXTURE C
MIXTURE WEIGHTS:	112 LBS \ SY \ INCH THICKNESS

PAVEMENT DESIGN  
DESIGN PERIOD 20 YEARS      LOADING HS 20-44 (80,000 LBS)  
STRUCTURAL DESIGN TRAFFIC (SDT) = 2019      ( 425.00 )  
PV = 1834      SU = 25      MU = 10  
ROAD/STREET CLASSIFICATION: CLASS III  
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE  
P = 1      S = 1      MU = 1  
TRAFFIC FACTOR      ACTUAL TF      0.07      AC TYPE  
MINIMUM TF  
PG GRADE: BINDER = 64-22      SURFACE = 64-22  
SUBGRADE SUPPORT RATING  
IBR= POOR      ( STA.      TO STA.      )  
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FILE NAME = 089129-sh-t-summary.dgn	USER NAME =	DESIGNED - L.F.S.	REVISED -	<b>STATE OF ILLINOIS</b> <b>JEFFERSON COUNTY HIGHWAY DEPARTMENT</b>	 <b>HAMPTON, LENZINI &amp; RENWICK, INC.</b> CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS	<b>SUMMARY OF QUANTITIES</b> <b>&amp; GENERAL NOTES</b>	FAS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE =	DRAWN - D.T.M.	REVISED -	824				05-00183-00-BR	JEFFERSON	23	2	
PLOT DATE = 3/2/2009	CHECKED - S.W.M.	REVISED -	CONTRACT NO. 99361								
	DATE - 02/06/09	REVISED -	FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT								