

CONSTRUCTION CODE TYPE			1000
CODE NO.	DESCRIPTION	UNIT	QUANTITY
20200100	EARTH EXCAVATION	CU YD	12355
20201500	SUB-BASE GRANULAR MATERIAL, TYPE B	TON	1587
20800150	TRENCH BACKFILL	CU YD	50
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	5539
25000210	SEEDING, CLASS 2A	ACRE	1.14
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	103
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	103
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	103
25100800	EROSION CONTROL MAT	SQ YD	3975
25101005	HEAVY DUTY EXCELSIOR BLANKET	SQ YD	1563
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	600
28000300	TEMPORARY DITCH CHECKS	EACH	31
28000500	INLET AND PIPE PROTECTION	EACH	4
28000900	FENCE (EROSION CONTROL)	FOOT	476
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	23
40300100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1219
40600980	BITUMINOUS SURFACE REMOVAL - BUTT JOINT	SQ YD	101
44000100	PAVEMENT REMOVAL	SQ YD	2055
48101200	AGGREGATE SHOULDERS, TYPE B	TON	330
48202400	BITUMINOUS SHOULDERS SUPERPAVE 6"	SQ YD	68
50100200	REMOVAL OF EXISTING STRUCTURES	L SUM	1
50105220	PIPE CULVERT REMOVAL	FOOT	194
50200100	STRUCTURE EXCAVATION	CU YD	100
50300225	CONCRETE STRUCTURES	CU YD	130
50500305	ERECTING STRUCTURAL STEEL	L SUM	1
50800105	REINFORCEMENT BARS	POUND	10260
51100100	SLOPE WALL 4 INCH	SQ YD	590
54200640	PIPE CULVERTS, TYPE 1, CORRUGATED STEEL OR ALUMINUM CULVERT PIPE 15"	FOOT	45
54200655	PIPE CULVERTS, TYPE 1, CORRUGATED STEEL OR ALUMINUM CULVERT PIPE 30"	FOOT	93
54201480	PIPE CULVERTS, TYPE 2, CORRUGATED STEEL OR ALUMINUM CULVERT PIPE 15"	FOOT	52
54213870	STEEL END SECTIONS 15"	EACH	3
54213885	STEEL END SECTIONS 30"	EACH	3
56100400	WATER MAIN 3"	FOOT	305
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1
63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	425
63100169	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (FLARED)	EACH	2
63300205	REMOVAL AND REINSTALLATION OF EXISTING STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	125
63300405	REMOVAL AND REINSTALLATION OF EXISTING TRAFFIC BARRIER TERMINAL, TYPE 1	EACH	2
66410300	CHAIN LINK FENCE REMOVAL	FOOT	86
66410410	CHAIN LINK FENCE TO BE RELOCATED	FOOT	238
70101700	TRAFFIC CONTROL AND PROTECTION	L SUM	1
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	3653
78200410	GUARDRAIL MARKERS, TYPE A	EACH	14
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
XX006132	RAILROAD FLAGGER	CAL DA	30
X2010510	CLEARING AND GRUBBING	L SUM	1
X4066414	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50	TON	261
X4066614	BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N50	TON	911
XX002031	CLEANING & PAINTING NEW METAL STRUCTURE	L SUM	1
Z0013798	CONSTRUCTION LAYOUT	L SUM	1
Z0018800	DRAINAGE SYSTEM	L SUM	1
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1
Z0066900	STEEL CASINGS 4"	FOOT	243
Z0067100	STEEL CASINGS 8"	FOOT	152

BITUMINOUS MIXTURE REQUIREMENTS

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT.

LOCATION(S):		
MIXTURE USE(S):	SURFACE COURSE	BINDER COURSE
AC/PG:	PG 64-22	PG 64-22
RAP %: (MAX)**	15%	25%
DESIGN AIR VOIDS:	4.2% @ Ndes = 50	4.2% @ Ndes = 50
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 9.5 OR IL 12.5	IL 19.0
FRICITION AGGREGATE:	MIXTURE C	N/A

** IF > 15% RAP IS USED, THE CONTRACTOR MAY BE REQUIRED TO USE A SOFTER GRADE OF ASPHALT AS DETERMINED BY THE MATERIALS ENGINEER.

TOLL FREE
JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS
(J.U.L.I.E.) TELEPHONE NUMBER
1-800-892-0123

UTILITY NOTE

THE LOCATIONS OF THOSE BURIED AND ABOVEGROUND UTILITIES SHOWN ARE APPROXIMATE, ARE SHOWN FOR CONTRACTOR INFORMATIONAL USE ONLY, AND ARE NOT TO BE REFERENCED FOR CONSTRUCTION PURPOSES. THE IMPLIED PRESENCE OR ABSENCE OF UTILITIES IS NOT TO BE CONSTRUED BY THE OWNER, ENGINEER, CONTRACTOR, OR SUBCONTRACTORS TO BE AN ACCURATE AND COMPLETE REPRESENTATION OF UTILITIES THAT MAY OR MAY NOT EXIST ON THE CONSTRUCTION SITE. BURIED AND ABOVEGROUND UTILITY LOCATION, IDENTIFICATION, AND MARKING ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. REROUTING, DISCONNECTION, PROTECTION, ETC. OF ANY UTILITIES MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY COMPANY AND OWNER. SITE SAFETY, INCLUDING THE AVOIDANCE OF HAZARDS ASSOCIATED WITH BURIED AND ABOVEGROUND UTILITIES, REMAIN THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

EDGE OF PAVEMENT STATION, OFFSET & ELEVATION



STATION	OFFSET LT.	ELEV. LT.	OFFSET RT.	ELEV. RT.	CL. ELEV.
13+92.00	-12.00	705.08	12.00	707.00	706.04
14+00.00	-12.00	704.85	12.00	706.77	705.81
14+50.00	-12.00	703.61	12.00	705.53	704.57
15+00.00	-12.00	702.70	12.00	704.62	703.66
15+50.00	-12.00	702.19	12.00	703.98	703.09
16+00.00	-12.00	702.19	12.00	703.50	702.85
16+20.56	-12.00	702.30	12.00	703.40	702.84
16+25.28	-12.00	702.32	12.00	703.38	702.85
16+50.00	-12.00	702.53	12.00	703.35	702.94
17+00.00	-12.00	703.03	12.00	703.36	703.19
17+41.86	-12.00	703.59	12.00	703.52	703.55
17+50.00	-12.00	703.72	12.00	703.57	703.65
18+00.00	-12.00	704.74	12.00	704.10	704.42
18+50.00	-12.00	706.07	12.00	704.95	705.51
19+00.00	-12.00	707.73	12.00	706.12	706.92
19+50.00	-12.00	709.61	12.00	707.69	708.65
20+00.00	-12.00	711.66	12.00	709.74	710.7
20+50.00	-12.00	714.03	12.00	712.11	713.07
21+00.00	-12.00	716.52	12.00	715.00	715.76
21+50.00	-12.00	719.18	12.00	718.28	718.73
22+00.00	-12.00	721.87	12.00	721.49	721.73
22+50.00	-11.09	724.58	11.09	724.51	724.73
22+65.00	-10.42	725.42	10.42	725.42	725.63

GENERAL NOTES

- 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 MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- THE CONTRACTOR SHALL VERIFY THE LOCATION, DEPTH, AND SIZE OF EXISTING AND PROPOSED PIPE CULVERTS PRIOR TO ORDERING AND FABRICATION OF DRAINAGE STRUCTURES.
- TEMPORARY DITCH CHECKS SHALL BE PROVIDED AS SHOWN ON THE PLANS. EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER. CLEAN OUT OF TEMPORARY DITCH CHECKS WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
- BITUMINOUS MATERIAL (PRIME COAT) TO BE APPLIED AT A RATE OF 0.375 GALLONS PER SQUARE YARD WHEN PLACED ON AGGREGATE AND 0.075 GALLONS PER SQUARE YARD AFTER EACH LIFT OF BITUMINOUS PAVEMENT.
- THE OWNER RESERVES THE RIGHT TO REDUCE ANY QUANTITY OR DELETE PAY ITEMS FROM THIS CONTRACT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER OF ANY DISCREPANCY IMMEDIATELY.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR REPAIRS TO ANY UTILITY LINES AND EXISTING IMPROVEMENTS TO REMAIN THAT ARE DAMAGED AS A RESULT OF THE WORK.
- ADJUSTMENTS OF PROPOSED GRADES TO MATCH EXISTING ENTRANCES OR OTHER FIELD CONDITIONS MAY BE REQUIRED AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UNDERGROUND UTILITIES PRIOR TO EXCAVATION.
- CONTRACTORS BIDDING THIS PROJECT SHALL VISIT THE SITE BEFORE BIDDING.
- CONTRACTOR SHALL VERIFY UNDERGROUND UTILITIES PRIOR TO DRIVING GUARDRAIL POSTS.
- CONSTRUCTION ACCESS FOR EXCAVATION OF THE EMBANKMENT BELOW THE BRIDGE SHALL BE INCLUDED IN THE COST PER CUBIC YARD OF EARTH EXCAVATION. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

SUGGESTED SEQUENCE OF CONSTRUCTION

- INSTALL TRAFFIC CONTROL FOR DETOUR AND ROAD CLOSURE.
- CONSTRUCT TEMPORARY EROSION CONTROL MEASURES.
- BEGIN ROADWAY EXCAVATION BELOW BRIDGE EXPOSING PILING TO A DEPTH 2 FT BELOW THE UPPER LEVEL OF HORIZONTAL BRACING.
- INSTALL THE UPPER LEVEL OF CHANNEL BRACING ON THE PIERS.
- CONTINUE ROADWAY EXCAVATION TO THE ROADWAY SUBGRADE.
- INSTALL THE LOWER LEVEL OF CHANNEL BRACING ON THE PIERS.
- REMOVE PORTION OF THE EXISTING ARCH AS SHOWN ON STRUCTURE REMOVAL DETAILS SHEET.
- REMOVE EXISTING ROADWAY PAVEMENT.
- INSTALL NEW WATER LINE AND TELEPHONE CASING PIPE.
- CONSTRUCT NEW CRASH WALL AND CONCRETE SLOPE WALL.
- CONSTRUCT NEW ROADWAY.
- PLACE FINAL PAVEMENT MARKINGS AND OPEN ROADWAY TO TRAFFIC.
- FINAL SHAPE AND SEED PROJECT AREA AND FINISH MISCELLANEOUS ROAD WORK ITEMS.

REVISION									
DATE									
 PEORIA COUNTY									
Hanson No. 98P9008A	C-002.DWG	N/A	12/15/2004	07/07/04	12/15/04	12/15/04	12/15/04	12/15/04	12/15/04
LAYOUT	CAL	N/A	12/15/2004	07/07/04	12/15/04	12/15/04	12/15/04	12/15/04	12/15/04
DRAWN	RIA	N/A	12/15/2004	07/07/04	12/15/04	12/15/04	12/15/04	12/15/04	12/15/04
REVIEWED	CAL	N/A	12/15/2004	07/07/04	12/15/04	12/15/04	12/15/04	12/15/04	12/15/04
Phone: (309) 691-0902 Fax: (309) 691-1327 www.hanson-inc.com Offices Nationwide									
 HANSON Hanson Professional Services Inc. 2800 W. Willow Knolls Road Peoria, Illinois 61614-1129									
GENERAL NOTES & SUMMARY OF QUANTITIES RELOCATION OF COUNTY HIGHWAY R40 PEORIA COUNTY COUNTY HIGHWAY R40 UNDER BNSF R.R.									
2									
2 of 21 sheets									