

# GENERAL NOTES

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CH 48	*	KANKAKEE	56	2
CONTRACT NO. 87374			*85-00221-00-BR	

THE WORK UNDER THIS CONTRACT CONSISTS OF THE FOLLOWING:

1. CONSTRUCTION OF A TWO-LANE FACILITY.
2. CONSTRUCTION OF ROAD APPROACHES, INTERSECTIONS AND ENTRANCES.
3. SEEDING AND OTHER WORK NECESSARY TO COMPLETE THE PROJECT.
4. DATUM USED FOR SURVEY IS U.S.G.S.
5. ALL STATIONING IS ALONG PROPOSED CENTERLINE OF ROADWAY.
6. ACCESS TO ENTRANCES - ACCESS TO ENTRANCES SHALL BE MAINTAINED BY THE USE OF TEMPORARY BASE AGGREGATE IN ACCORDANCE WITH ARTICLE 107.09 OF THE STANDARD SPECIFICATIONS. HOWEVER THE COST OF FURNISHING, PLACING AND REMOVING THE TEMPORARY BASE AGGREGATE WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR AGGREGATE BASE COURSE, TYPE A AND NO OTHER COMPENSATION WILL BE ALLOWED, AN ESTIMATED QUANTITY OF 200 TONS OF AGGREGATE BASE COURSE, TYPE A HAS BEEN INCLUDED IN THE PLANS FOR ACCESS PURPOSES.
7. THE THICKNESS OF HOT-MIX MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATION FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE BASE COURSE ON WHICH THE HOT-MIX MIXTURE IS PLACED.  
  
THE FOLLOWING APPLICATION RATES HAVE BEEN USED TO DETERMINE PLAN QUANTITIES:  
  

PRIME COAT (ON AGGREGATE BASE)	0.40 GAL. PER SQ. YD.
BIT MATL (COVER & SEAL CT)	0.35 GAL. PER SQ. YD.
COVER & SEAL CT AGG	25 LBS. PER SQ. YD.
HMA BINDER COURSE	115 LBS. PER SQ. YD.***
HMA SURFACE COURSE	115 LBS. PER SQ. YD.***

\*\*\* INCH OF THICKNESS
8. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HOT-MIX ASPHALT LIFTS.
9. TEMPORARY MARKING TAPE SHALL BE USED FOR ALL FINAL HOT-MIX ASPHALT SURFACES.
10. ONLY THOSE TREES DESIGNATED BY THE ENGINEER OR LISTED IN THE TREE REMOVAL SCHEDULE SHALL BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS.
11. ALL SAWCUTTING OF EXISTING PAVEMENT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. THE MINIMUM SAWCUT DEPTH IN THE PAVEMENT SHALL BE 2 INCHES, UNLESS OTHERWISE SPECIFIED IN A DETAIL IN THE PLANS.

## UTILITIES

COMMONWEALTH EDISON  
25000 S. GOVERNORS HIGHWAY  
UNIVERSITY PARK, IL 60466  
ENGINEER: MR. GARY ZACK  
708-235-2694

AT&T  
65 W. WEBSTER, FLOOR 2  
JOLIET, IL 60432  
ENGINEER: MR. CLIFF MOORE  
815-722-4389

VERIZON  
120 N. STERLING STREET  
STREATOR, IL 61364  
ENGINEER: MS. SUE ERSCHEN  
815-672-8298

12. THE CONTRACTOR SHALL PROVIDE TEMPORARY DRAINAGE.
13. THE EXISTING ROAD SIGNS THAT INTERFERE WITH CONSTRUCTION SHALL BE REMOVED OR RELOCATED AS DIRECTED BY THE ENGINEER. AFTER THE CONSTRUCTION IS COMPLETE, ALL ROAD SIGNS WILL BE INSTALLED BY OTHERS. REMOVAL OF THESE SIGNS SHALL BE CONSIDERED INCIDENTAL TO THIS CONTRACT AND NO COMPENSATION WILL BE ALLOWED.
14. ABANDONED UNDERGROUND UTILITY ITEMS WHICH CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
15. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUB-NUMBER LISTED IN THE INDEX SHEETS, OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE J.U.L.I.E. NUMBER IS 1-800-892-0123. A MINIMUM OF FORTY EIGHT (48) HOURS ADVANCE NOTICE IS REQUIRED.
17. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.
18. WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, 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.
19. CONTINGENCY ITEM OF 200 TONS OF AGGREGATE BASE COURSE, TYPE B, IS INCLUDED FOR AREAS WHERE THE SUB-GRADE IS CONSIDERED UNSUITABLE BY THE ENGINEER.
20. UNLESS OTHERWISE INDICATED IN THE PLANS OR SPECIAL PROVISIONS FOR ALL EXISTING PIPE CULVERTS SPECIFIED TO BE REMOVED ON THE PLANS, THE COST OF REMOVAL SHALL BE INCIDENTAL TO THE INSTALLATION OF NEW CULVERTS AT OR NEAR THESE LOCATIONS.
21. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF FENCES WITHIN THE RIGHT-OF-WAY UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THE COST FOR THIS WILL BE INCIDENTAL TO EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
22. ANY FIELD TILES ENCOUNTERED DURING CONSTRUCTION THAT ARE NOT SHOWN ON THE PLANS, SHALL BE ADDED TO THE PROPOSED PAY ITEMS OF THAT PARTICULAR SIZE OR WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

## PAVEMENT DESIGN

14000W (C.H. 48)  
STA. 2+25N TO STA. 36+93N

CLASS III, 2-LANE PAVEMENT  
D.P. - 20 YEARS  
DESIGN TRAFFIC:

EXISTING ADT: 600  
PROPOSED ADT: 732  
PV(88%) 644 SU(7%) 51 MU(5%) 37  
80,000 POUND LOAD LIMIT  
CRITICAL SUBGRADE Eri: 5.6 ksi  
T.F. = D.P.  $(0.073PV + 54.570SU + 192.175MU)$   
1,000,000

T.F. = 0.20  
SUBGRADE SUPPORT RATING: FAIR  
USE AC-20 BECAUSE OF STOPPING AND STARTING  
MIXTURE TEMPERATURE: 78.5  
Eac: 500  
DESIGN STRAIN: 240  
PAVEMENT THICKNESS REQUIRED: 6"

USE: 6"

## LEGEND

- EXISTING R.O.W. MARKER
- EXISTING POWER POLE
- EXISTING TELEPHONE POLE
- EXISTING PHONE PEDESTAL
- EXISTING UNDERGROUND TELEPHONE
- EXISTING TREE
- EXISTING CULVERT
- EXISTING OCCUPATION LINE
- EXISTING FENCE LINE
- EXISTING FENCE POST
- PROPOSED R.O.W. MARKER
- TREE TO BE REMOVED
- PROPOSED CULVERT
- PROPOSED R.O.W.
- PROPOSED DITCH FLOW
- CONSTRUCTION LIMITS

	HMA BINDER	HMA SURFACE	HMA SHLDS
PG GRADE	PG64-22	PG64-22	PG58-22
MAX % RAP ALLOWABLE **	25%	15%	50%
DESIGN AIR VOIDS	4.0% @ N50	4.0% @ N50	2.0% @ N30
MIXTURE COMPOSITION	IL-19.0	IL-12.5	IL-19.0
FRICTION AGGREGATE		MIXTURE C	
DENSITY TEST METHOD	CORES	CORES	*

\* MATERIAL SHALL BE COMPACTED TO 93.0-97.4 PERCENT OF THE MAXIMUM THEORETICAL DENSITY, EXCEPT THAT WHEN PLACED AS FIRST LIFT ON AN UNIMPROVED SUBGRADE THE MINIMUM PERCENT COMPACTION SHALL BE 92.0 PERCENT. THE MAXIMUM THEORETICAL DENSITY SHALL BE DETERMINED FROM THE MOVING AVERAGE AS SPECIFIED IN THE QC/QA SPECIFICATION.

\*\* WHEN MORE THAN 20% RAP IS USED, A SOFTER ASPHALT BINDER (PG58-22) MAY BE REQUIRED AS DETERMINED BY THE ENGINEER..