

**GENERAL NOTES**

THE WORK UNDER THIS CONTRACT CONSISTS OF THE FOLLOWING:

- CONSTRUCTION OF A TWO-LANE FACILITY.
- CONSTRUCTION OF STORM SEWER SYSTEM FOR ROADWAY DRAINAGE WILL NOT CONNECT TO ANY EXISTING STORM SEWER. EXISTING STORM SEWER WITHIN THE PROJECT AREA WILL BE REMOVED.
- CONSTRUCTION OF ROAD APPROACHES, INTERSECTIONS AND ENTRANCES.
- SIDEWALK, SODDING, AND OTHER WORK NECESSARY TO COMPLETE THE PROJECT.
- DATUM USED FOR SURVEY IS U.S.G.S.
- ALL STATIONING IS ALONG CENTERLINE OF ROADWAY, EXCEPT AS OTHERWISE NOTED.
- ACCESS TO ENTRANCES - ACCESS TO ENTRANCES SHALL BE MAINTAINED BY THE USE OF TEMPORARY SURFACE AGGREGATE IN ACCORDANCE WITH ARTICLE 107.09 OF THE STANDARD SPECIFICATIONS. HOWEVER THE COST OF FURNISHING, PLACING AND REMOVING THE TEMPORARY SURFACE AGGREGATE WILL BE PAID FOR AT THE CONTRACT PRICE PER TON FOR AGGREGATE SURFACE COURSE TYPE B AND NO OTHER COMPENSATION WILL BE ALLOWED, AN ESTIMATED QUANTITY OF 400 TONS OF AGGREGATE SURFACE COURSE, TYPE B HAS BEEN INCLUDED IN THE PLANS FOR ACCESS PURPOSES.
- THE THICKNESS OF BITUMINOUS 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 EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
- EXCEPT AS NOTED IN THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.
- ALL EXCAVATION UNDER PAVEMENT, SIDEWALK, AND CURB & GUTTER SHALL BE BACKFILLED AND COMPACTED WITH MATERIAL MEETING THE REQUIREMENTS OF SECTION 208. SEPARATE PAYMENT FOR TRENCH BACKFILL SHALL BE MADE ONLY WHEN SPECIFIED IN THE PLANS.
- THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS BITUMINOUS MIXTURES.
- TEMPORARY MARKING TAPE SHALL BE USED FOR ALL TEMPORARY PAVEMENT MARKING ON FINAL SURFACE.
- ONLY THOSE TREES DESIGNATED BY THE ENGINEER OR LISTED IN THE TREE REMOVAL SCHEDULE SHALL BE REMOVED. THE CONTRACTOR WILL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS.
- ALL SAWCUTTING OF EXISTING PAVEMENT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. THE MINIMUM SAW CUT DEPTH IN THE PAVEMENT SHALL BE 2 INCHES, UNLESS OTHERWISE SPECIFIED IN A DETAIL IN THE PLANS.
- THE CONTRACTOR SHALL PROVIDE TEMPORARY DRAINAGE.

- ALL REQUIRED SAW CUTTING SHALL BE INCIDENTAL TO THE REMOVAL PAY ITEM INVOLVED.
- FOR NEW CONSTRUCTION, PLACE SIDEWALK RAMPS FOR THE HANDICAPPED (STD 424001-04) AT ALL LOCATIONS WHERE PROPOSED SIDEWALK ABUTS CURB AT STREET ENTRANCES.
- THE EXISTING ROAD SIGNS THAT INTERFERE WITH CONSTRUCTION SHALL BE REMOVED OR RELOCATED AS DIRECTED BY THE ENGINEER. AFTER THE CONSTRUCTION IS COMPLETED, THE CONTRACTOR SHALL REPLACE THE SIGNS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO COMPENSATION WILL BE ALLOWED.
- 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.
- 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 OF SHEETS, OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE NOTICE NUMBER IS 1-800-892-0123. A MINIMUM OF FORTY EIGHT (48) HOURS ADVANCE NOTICE IS REQUIRED.
- WHERE STORM SEWER IS SEPARATED BY LESS THAN 10' FROM WATER MAIN, AND PARALLEL, AND THE WATER MAIN INVERT IS LESS THAN 18" ABOVE THE STORM SEWER CROWN, THE WATER MAIN SHALL BE ENCASED IN WATER MAIN QUALITY CASING.
- THE STORM SEWER SHALL BE CONSTRUCTED WITH A RUBBER GASKET AT ANY LOCATION WHERE A WATER MAIN CROSSES BELOW THE SEWER, REGARDLESS OF VERTICAL SEPARATION, OR WHERE THE BOTTOM OF THE WATER MAIN IS LESS THAN 18" ABOVE THE TOP OF THE SEWER.
- PROTECTIVE COAT SHALL BE APPLIED TO THE SURFACES OF NEW CONCRETE ACCORDING TO ARTICLES 420.18 AND/OR 503.19 OF THE STANDARD SPECIFICATIONS.
- THERMOPLASTIC PAVEMENT MARKINGS AND PAINT STRIPING QUANTITIES ARE APPROXIMATE ONLY. PAYMENT WILL BE MADE FOR ACTUAL QUANTITIES USED AS MEASURED IN THE FIELD.
- THE FOLLOWING UTILITY COMPANIES HAVE UTILITIES WITHIN THE LIMITS OF CONSTRUCTION. ADJUSTMENT OF UTILITY LOCATIONS WILL BE MADE BY THE OWNER, UNLESS OTHERWISE NOTED ON THE PLANS.

**LEGEND**

- IRON ROD RECOVERED
- RIGHT-OF-WAY MARKER
- IRON PIPE RECOVERED
- PK NAIL RECOVERED
- EXIST. MAILBOX
- EXIST. FLAG POLE
- EXIST. GUY WIRE
- EXIST. POWER POLE
- EXIST. STREET LIGHT
- EXIST. LIGHT POLE
- EXIST. TELEPHONE PEDESTAL
- EXIST. GAS VALVE
- EXIST. FIRE HYDRANT
- EXIST. WATER VALVE
- EXIST. BUFFALO BOX
- EXIST. WATER METER
- EXIST. FLARED END SECTION
- EXIST. INLET
- EXIST. MANHOLE
- EXIST. STOP SIGN
- EXIST. SIGN
- EXIST. TRENCH FLOW LINE
- GRADE
- EXIST. SWALE FLOW LINE
- TREE/BUSH
- EXIST. TREE STUMP, SIZE
- EXIST. CULVERT
- EXIST. WATER
- EXIST. STORM SEWER
- EXIST. SANITARY SEWER
- EXIST. FENCE
- EXIST. EDGE OF PAVEMENT & SIDEWALK
- EXIST. CURB & GUTTER
- RIGHT OF WAY
- NEW SPOT ELEVATION (680.70)
- NEW STREET LIGHT
- NEW FIRE HYDRANT
- NEW WATER VALVE
- NEW MANHOLE
- NEW INLET
- NEW FLARED END SECTION
- NEW STORM SEWER
- NEW EASEMENT
- NEW AGGREGATE
- NEW CURB & GUTTER
- SURFACE REMOVAL
- DETECTABLE WARNINGS FOR CURB RAMPS ON SIDEWALKS
- REMOVE OBJECT

**PAVEMENT DESIGN**

**LOWE ROAD**  
STA. 9+40 to STA. 151+50

Class II, 2-lane pavement  
D.P. - 20 years  
Design Traffic  
Existing ADT: 3280 1% growth  
Proposed ADT: 4042  
PV (85%): 3436 SU (10%): 404 MU (5%): 202  
80,000 pound load limit  
Critical subgrade Eri: 3ksi  
T.F.= D.P. (0.073PV+56.03SU+192.72MU)  
1,000,000

T.F.= 1.237  
Subgrade support rating: fair  
use AC-20 because of stopping and starting  
mixture temperature: 78.5  
Eac: 580  
design strain: 100  
Pavement thickness required: 9.5"

USE: 10"

**WALDRON ROAD**  
STA. 199+00 to STA. 208+00

Class II, 2-lane pavement  
D.P. - 20 years  
Design Traffic  
Existing ADT: 5720 1% growth  
Proposed ADT: 7049  
PV (85%): 5992 SU (10%): 705 MU (5%): 352  
72,000 pound load limit  
Critical subgrade Eri: 3ksi  
T.F.= D.P. (0.073PV+44.53SU+156.403MU)  
1,000,000

T.F.= 1.739  
Subgrade support rating: fair  
use AC-20 because of stopping and starting  
mixture temperature: 78.5  
Eac: 580  
design strain: 90  
Pavement thickness required: 10.0"

USE: 10"

UTILITY	STATUS OF RELOCATION	
	DATE	
<b>POWER</b> COMMONWEALTH EDISON CO. 2500 SOUTH GOVERNORS HIGHWAY UNIVERSITY PARK, IL 60466	PRELIMINARY PLANS SET 7/21/05 FINAL PLAN SET 10/30/06	RELOCATION PRIOR TO CONSTRUCTION
<b>TELEPHONE</b> AT&T 65 WEST WEBSTER JOLIET, IL 60431	PRELIMINARY PLANS SET 7/21/05 FINAL PLAN SET 10/30/06	RELOCATION PRIOR TO CONSTRUCTION
<b>CABLE TV</b> COMCAST 17700 HOFFMAN WAY HOMEWOOD, IL 60430	PRELIMINARY PLANS SET 7/21/05 FINAL PLAN SET 10/30/06	RELOCATION PRIOR TO CONSTRUCTION
<b>GAS</b> NORTHERN ILLINOIS GAS CO. 1844 FERRY ROAD NAPERVILLE, IL 60563	PRELIMINARY PLANS SET 7/21/05 FINAL PLAN SET 10/30/06	RELOCATION PRIOR TO/ DURING CONSTRUCTION
<b>WATER</b> AQUA ILLINOIS 1000 SOUTH SCHUYLER AVE. KANKAKEE, IL 60901	PRELIMINARY PLANS SET 7/21/05 FINAL PLAN SET 10/30/06	RELOCATION PRIOR TO CONSTRUCTION

	SUPERPAVE BINDER	SUPERPAVE LEVEL BINDER	SUPERPAVE SURFACE	SUPERPAVE BASE COURSE/WIDENING	SUPERPAVE SHOULDER
PG GRADE	PG64-22	PG64-22	PG64-22	PG58-22	PG58-22
MAX % RAP ALLOWABLE**	25%	25%	15%	40%	40%
DESIGN AIR VOIDS	4.0% @ N50	4.0% @ N50	4.0% @ N50	2.0% @ N50	2.0% @ N50
MIXTURE COMPOSITION	IL 19.0	IL 19.0	IL 12.5 or IL 9.5	BAM	BAM
FRICITION AGGREGATE			MIXTURE D		
PLAN CONTROL LIMITS	CLASS I	CLASS I	CLASS I	NON-CLASS I	NON-CLASS I

\*\*If RAP option is selected, the asphalt cement grade may need to be adjusted. This will be determined by the Engineer.

FED. DIST. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	83	2
CONTRACT NO. 87314				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* LOWE RD. FAU 6209/WALDRON RD. FAU 6184				
** 02-00284-00-WR & 01-00017-00-FP				

**TYSON ENGINEERING, INC.**  
CONSULTING CIVIL ENGINEERS  
DESIGN FIRM LICENSE #164-001136  
367 SOUTH SCHUYLER AVENUE  
KANKAKEE, ILLINOIS 60901  
PHONE (815) 932-7406

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Contractor shall be responsible for verifying all dimensions.  
Information herein and herein is confidential.

REVISIONS			
NO.	DATE	BY	DESCRIPTION
3	10/24/06	MRG	PER IDOT REVIEW
4	12/28/06	MRG	PER COUNTY REV

GENERAL NOTES  
PAVEMENT DESIGN  
LEGEND

PROPOSED IMPROVEMENTS FOR  
**LOWE ROAD**  
FROM IL-17 TO WALDRON ROAD  
**WALDRON ROAD**  
FROM CORP. LIMITS TO DIVISION STREET

SECTION	
02-00284-00-WR & 01-00017-00-FP	
DATE:	7/10/06
JOB NO.	E01015
SCALE:	N/A
FILE NO.	
DRAWN BY:	MRG
CHECKED BY:	SRM
SHEET	2
	83

PAVEMENT DESIGN - COVER SHEET.dwg 1/17/2007 8:47:18 AM CST