Standard Specifications

- 1. All applicable Village Ordinances, Standards, Specifications and Details, most recent edition, as adopted.
- 2. "Standard Specification for Road and Bridge Construction", Most Recent Edition, Illinois Department of Transportation (IDOT);
- 3. "Manual for Uniform Traffic Control Devices for Streets and Highways", Most Recent Edition, U.S. Department of Transportation, Federal Highway Administration:
- 4. "Technical Policy Statements", I.E.P.A., Division of Public Water Supply; 5. "Procedures and Standards for Urban Soil Erosion and Sedimentation
- Control in Illinois", the Urban Committee of the Association of Illinois Soil and Water Conservation Districts, ("Green Book");
- 6. "Standards and Specifications for Soil Erosion and Sediment Control", I.E.P.A. ("Yellow Book");

General Construction Notes

- 1. The contractor shall obtain Permits from all outside governmental agencies having jurisdiction.
- 2. All structure adjustments shall be accomplished in conformance with the preceding standards.
- 3. Existing field tiles encountered during construction shall be either integrated into the site drainage system, removed or plugged in a manner deemed appropriate by the City Engineer.
- 4. The contractor shall be responsible for all adjustments before and after final inspection, prior to final acceptance by the City of Wilmington.
- 5. The City must have forty-eight (48) hours notice prior to the initiation of construction activity.
- 6. All restoration work subject to the approval of the City Engineer.
- 7. City Police Department, Fire District, School Districts and Administration shall be notified a minimum of forty—eight (48) hours prior to road or water main shutdowns. Approval must be obtained from the City of
- 8. The project SPECIAL PROVISIONS apply and are to be followed.
- 9. Contractor shall contact JULIE (1-800-892-0123) prior to any excavation work (including Section, Township, and Range numbers of property with note).
- 10. Contractor shall maintain pavement crossing cuts until final pavement restoration is complete and accepted by the Village Engineer.
- 11. Pavement, curb and gutter, sidewalks, storm sewer, etc. shall conform to "IDOT Standard Specifications for Road and Bridge Construction, Most Recent Edition"

Paving

General

The following list of Standard Construction Documents defines the methods, materials, and testing to be utilized when designing and constructing roadway improvements.

- 1. "Standard Specification for Road and Bridge Construction", latest edition, prepared by Illinois Department of Transportation (IDOT)
- 2. Supplemental Specifications and Recurring Special Provisions, latest editions and updates (IDOT).
- 4. Construction Manual, latest edition (IDOT)
- 5. Soils Manual, latest edition (IDOT)
- 6. Highway Standards, latest edition (IDOT)
- 7. Manual on Uniform Traffic Control Devices, latest edition (Federal Highway Administration)

Protection of Right of Way Improvements

The contractor shall have the responsibility to adequately protect the pavement and property, curb and gutter and other right of way improvements, whether newly constructed or existing, from any and all damage. Sufficient means shall be employed by the contractor to protect against such damage to the satisfaction of the City Engineer Any new or existing improvements that are damaged shall be repaired or replace in a manner which is satisfactory to the City Engineer. Parkway Preparation and Restoration

All parkways within the street's right-of-way, which are to have a finished earth surface, shall be graded with topsoil and seeded or sodded. Unsuitable soil, boulders, and other debris, including broken or excess concrete shall be removed from the parkway so as to provide an acceptable subgrade. Stumps shall be removed to a minimum of 12 inches below the proposed finished grade.

After the parkway subgrade has been prepared, acceptable topsoil material shall be placed to a minimum depth of six inches (6") and graded to proposed finish surface.

Flexible Pavement

All streets within City limits shall be constructed of Flexible Pavement unless otherwise approved by the City Engineer. The pavement of all streets and the material used shall comply with the details shown. Curb and Gutter

The types of curb and gutter allowed shall be either the barrier or mountable type as depicted in the details.

ADA Compatibility

Depressed curbs shall be provided at all intersection of sidewalk and roadway, as approved by the City Engineer. The dimensions and locations shall comply with applicable ADA requirements.

<u>Protective Treatment</u>

All concrete curb, gutter, and sidewalks shall be cured in accordance with IDOT "Standard Specification for Road and Bridge Construction", latest edition. All provisions of Section 1020 shall be employed; in addition when membrane curing compounds are utilized they shall also be a type that provides a protective seal that is satisfactory to the Village Engineer. All membrane products shall be applied in accordance with the manufacturer's recommendations.

Fine Gradina

1.Prior to the construction of the curb and gutter and the placement of the base material, the streets shall be fine graded to the final subgrade elevation, to a point two (2) feet beyond the back of the proposed curb. <u>Curb</u> and <u>Gutter</u>

The curbs shall be backfilled after their construction and prior to the placement of the base course.

Storm Sewer

<u>General</u> The standards and requirements found in this section are for the materials and construction of storm sewer and sump pump drain systems with in the City of Wilmington, Illinois.

Pipe 1. Storm Sewer:

a. Reinforced concrete pipe, Class IV (ASTM C76) with rubber ring gaskets joints (ASTM C443)

b. Reinforced concrete elliptical pipe, Class IV (ASTM C507) with rubber ring gasket joints (ASTM C443) <u>Štructures</u> 1. Inlet, Catch Basin, Manhole:

a. Precast Reinforced concrete (ASTM C478) - 5" wall thickness. Trench Backfill

All trenches for storm sewers falling under or within five (5) feet of proposed or existing paved surfaces, or structures shall be backfilled with select granular material conforming to the gradation of CA 7 <u>Pipe Bedding</u> Granular Pipe bedding material or granular cradle shall be required on all

storm sewers. Granular pipe bedding shall be a minimum of four (4) inches. The trench shall be backfilled with granular material to the springline of the pipe. The backfilled material shall meet the IDOT gradation of CA 7. Pipe Cover

All storm sewer pipes shall have a minimum cover of thirty (30) inches

Handling of Pipe

Storm sewer shall be handled in a manner that will prevent damage. Damaged or defective material on the job site shall be rejected and replaced to the satisfaction of the City. Methods of construction conducive to the damage of the pipe shall be corrected when called to the attention of the contractor. Structures

All structures without sumps shall be provided with a cast in place concrete fillet to provided a smooth flow between pipe sections. Manholes and Catch Basins Type A are to be constructed with steps and a cone or flat top assembly with the opening rotated as necessary to achieve optimal casting alianment.

<u>Adjustments</u>

When structure adjustments are necessary, they will be performed with a maximum of two (2) adjusting rings with a maximum total height of 12 Adjusting rings shall be reinforced concrete for heights greater than two (2) to a maximum of twelve (12) inches. Adjusting rings of a height equal to or less than two (2) inches shall be preformed rubber. If an adjustment is to be made to match a slope, preformed rubber tapered rings must be used.

Storm Sewer Acceptance
Prior to acceptance the storm sewer must be cleaned and operational.

COUNTY TOTAL SHEETS FAU RTE. SECTION 321 04-00034-00-FP WILL 22 F.H.W.A. REG. ILLINOIS PROJECT: M-8003(87 CONTRACT NO. 63171

LIST OF IDOT HIGHWAY STANDARDS

000001-05	STANDARDS, SYMBOLS, ABBREVIATIONS, AND PATTERNS
280001-04	TEMPORARY EROSION CONTROL SYSTEMS
424001-05	CURB RAMPS FOR SIDEWALKS
602301-02	INLET - TYPE A
602401-02	MANHOLE TYPE A
602701-02	MANHOLE STEPS
604061-02	FRAME AND GRATE TYPE 12
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE
	CURB AND GUTTER
701901-01	TRAFFIC CONTROL DEVICES

LEGEND

PROPOSED		EXISTING
•	MANHOLE USE NOTED	(a)
•	INLET	⊙ OR
×	WATER VALVE IN BOX	
•	FIRE HYDRANT	· W
\times	STREET LIGHT	×
**	ARTERIAL STREET LIGHT	
•	WATER VALVE VAULT	8
	UTILITY POLE	-8-
	TREE	€3
	TREE TO BE REMOVED	X
	SIDEWALK TO BE REMOVED AND REPLACED	
·)	STORM SEWER)
>	SANITARY SEWER	>
w	WATER MAIN (SIZE NOTED)	w
	gas main	G
	IBT MAIN	T
	CURB & GUTTER REMOVAL	XXX
	RETAINING WALL	
	R.O.W./PROPERTY LINES -	
SF	SILT FENCE	
	HANDICAP RAMP	
	CATCH BASIN TO BE REMOVE	D 🕸

REVISIONS ROGINA & ASSOCIATES, LTD.

CITY OF WILMINGTON

PROJECT:

KANKAKEE STREET WIDENING

DESIGNED BY 101.000481 A.L.B. DRAWN BY: B.J.R. DATE: 12/15/08 CHECKED BY

NOTES AND STANDARD SYMBOLS

SHEET