

BOLI 1/28/04

030897 - 2nd Res  
030898 - Rec  
030933 - Ordinance

LAW OFFICES  
KLEIN, THORPE AND JENKINS, LTD.

SUITE 1660  
20 NORTH WACKER DRIVE  
CHICAGO, ILLINOIS 60606-2903

TELEPHONE (312) 984-6400  
FACSIMILE (312) 984-6444  
FACSIMILE (312) 606-7077

ORLAND PARK OFFICE  
15010 S. RAVINIA AVE., SUITE 17  
ORLAND PARK, IL 60462-3162  
TELEPHONE (708) 349-3888  
FACSIMILE (708) 349-1506

PATRICK A. LUCANSKY  
LANCE C. MALINA  
MICHAEL A. MARRS  
THOMAS M. MELODY  
JANET N. PETSCHER  
DONALD E. RENNER, III  
SCOTT F. UHLER  
GEORGE A. WAGNER  
DENNIS G. WALSH  
JAMES G. WARGO  
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OF COUNSEL  
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JAMES V. FERLO  
SUZANNE M. FITCH  
E. KENNETH FRIKER  
ROBERT R. HALL, JR.  
KATHLEEN T. HENN  
EVERETTE M. HILL, JR.  
MICHAEL T. JURUSIK  
JACOB H. KARACA

WRITER'S DIRECT DIAL

WRITER'S E-MAIL

312-984-6422

MEMORANDUM

**TO:** Justine Gembala, Civil Engineer  
**FROM:** Tom Bayer, Village Attorney  
**DATE:** January 14, 2004  
**SUBJECT:** Special Assessment No. 218 - Grace and Fairfield



Enclosed please find the following relative to the above-captioned matter, for the January 28, 2004, Board of Local Improvements meeting:

1. Second Resolution;
2. Recommendation; and
3. Ordinance.

After the public hearing, if the Board of Local Improvements desires to move forward with the project, they should adopt the Second Resolution and approve the Recommendation. After the approval of the Recommendation, the Recommendation should be signed by those members of the Board of Local Improvements who are present at the meeting. The Ordinance should then be placed on the counter/bulletin board in the Village Hall for inspection (publication in pamphlet form) on Thursday, January 29, 2004. As the Ordinance must be published for ten (10) days prior to its adoption, the Village Board can adopt the Ordinance at the February 19, 2004 meeting.

After the Second Resolution and the Recommendation have been fully executed, copies of both should be forwarded to me.

If there are any questions, please feel free to call.

TPB:cb

Enclosures

cc: William T. Lichter, Village Manager  
Stan Rickard, Director of Public Works  
David Dratnol, Village Engineer  
Ray Schwab, Civil Engineer  
(all w/out enclosures)

NO. \_\_\_\_\_

**SECOND RESOLUTION OF THE BOARD OF LOCAL  
IMPROVEMENTS RECOMMENDING THE IMPROVING OF  
PORTIONS OF GRACE AVENUE AND FAIRFIELD AVENUE  
(SPECIAL ASSESSMENT NUMBER 218)**

**BE IT RESOLVED** by the Board of Local Improvements of the Village of Lombard, DuPage County, Illinois, as follows:

**SECTION 1:** A public hearing was held by this Board on the 28th day of January, 2004, on the question of the necessity of the proposed improvement consisting of the improving of portions of Grace Avenue and Fairfield Avenue, including storm sewer and detention pond work, the installation of street lights and sidewalks at certain locations, related watermain and sanitary sewer work and all appurtenant work, including all labor and materials, complete in place, all as described in the original Resolution adopted by this Board on January 8, 2004, and the Estimate of Cost of said improvement as attached hereto. All persons interested in said proposed improvement who desired to be heard were heard, and no sufficient reason or objection was given or made to the proposed improvement, and based on the proof submitted to this Board, this Board finds that good and sufficient notices of said public hearing were given and mailed as required by law.

**SECTION 2:** That it is, therefore, recommended that the Estimate of Cost, as attached to this Resolution, be approved, and that the Village proceed with such improvement in accordance with the plans and Estimate of Cost, and that this Board transmit to the governing body of the Village of Lombard its recommendation that the proposed improvement be made, together with an Ordinance therefor, as prescribed by law, and this Board hereby approves the proposed draft of an Ordinance attached hereto providing for such an improvement.


ADOPTED by the Board of Local Improvements of the VILLAGE OF LOMBARD,  
ILLINOIS this 28th day of January, 2004, pursuant to a roll call vote as follows:

AYES: Tross, Soderstrom, O'Toole, Hogan, O'Brien


NAYS: None

ABSENT: None

APPROVED by me this 28th day of January, 2004.

  
\_\_\_\_\_  
President of the Board of Local  
Improvements

ATTEST:

  
\_\_\_\_\_  
Secretary for the Board of  
Local Improvements

**RECOMMENDATION IN REGARD TO THE IMPROVING  
OF PORTIONS OF GRACE AVENUE AND FAIRFIELD AVENUE  
(SPECIAL ASSESSMENT NUMBER 218)**

TO: Board of Trustees of the Village of Lombard  
DuPage County, Illinois

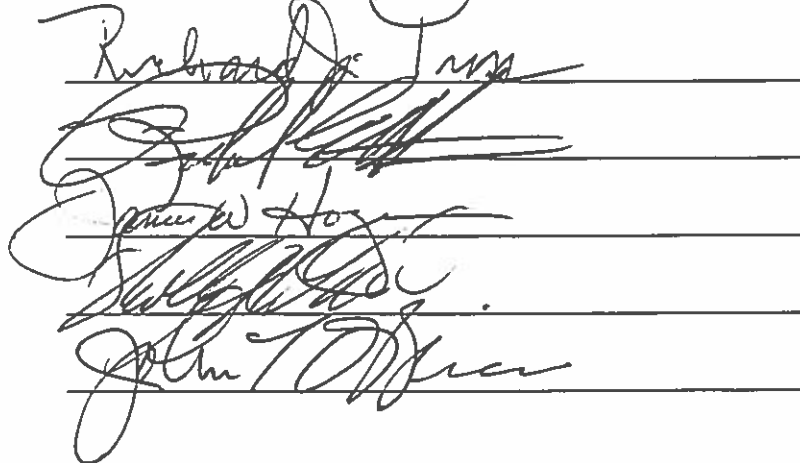
The Board of Local Improvements heretofore appointed and now serving in that capacity herewith submits a draft of an Ordinance for the improving of portions of Grace Avenue and Fairfield Avenue, including storm sewer and detention pond work, the installation of street lights and sidewalks at certain locations and related sanitary sewer and watermain work, all as described in the accompanying Ordinance attached hereto and made a part hereof.

We submit herewith the Estimate of Cost thereof by the Engineer for the Board of Local Improvements.

We recommend the passage of the said Ordinance and the making of the said improvement, the costs thereof to be paid for by special assessment.

DATED this 28<sup>th</sup> day of January, 2004.

BOARD OF LOCAL IMPROVEMENTS



ORDINANCE NO. \_\_\_\_\_

COPY

**ORDINANCE PROVIDING FOR THE IMPROVING OF  
PORTIONS OF GRACE AVENUE AND FAIRFIELD AVENUE  
(SPECIAL ASSESSMENT NUMBER 218)**

**BE IT ORDAINED** by the President and Board of Trustees of the Village of Lombard,  
DuPage County, Illinois, as follows:

**SECTION 1:** That a Local Improvement shall be made in the Village of Lombard, DuPage  
County, Illinois, the nature, character, locality and description of which are as follows:

Pavement removal, curb and gutter removal, sidewalk removal, bituminous surface removal and replacement, earth excavation; and removal and disposal of unsuitable material, porous granular embankment, subbase granular material, full depth bituminous concrete pavement, combination concrete curb and gutter, Portland cement concrete sidewalk, bituminous and concrete driveway replacement, detention pond expansion, storm sewer and appurtenances for pavement drainage purposes, street lighting, parkway restoration, watermain, and replace deficient portions of the existing sanitary sewer;

Making a pavement twenty-eight feet (28') wide as measured between the back of curbs on and along:

Grace Avenue from a point approximately eight hundred fifty-two (852') south of the center line of Central Avenue, northerly a distance of eight hundred seventeen feet (817') to a point approximately sixteen feet (16') south of the centerline of Central Avenue;

Fairfield Avenue from a point approximately one thousand four hundred sixty-four feet (1,464') south of the centerline of Central Avenue, northerly a distance of one thousand four hundred sixty-four feet (1,464') to the centerline of Central Avenue;

Installation of street lighting along the South side of Central Avenue from Grace Avenue to Fairfield Avenue for a length of approximately seven hundred feet (700');

Expanding an existing detention pond in Southland Park; and all other incidental and appurtenant work necessary to complete the improvement.

**SECTION 2:** All materials of every kind and character to be used in the construction of this improvement will be first class quality, suitable for the purpose for which they are to be used, and subject to the inspection and approval of the Village of Lombard.

All work shall be constructed in a workmanlike manner.

The quantities and types of materials to be used are as set forth in the plans and specifications for the project and are incorporated herein by reference as if fully set forth herein and are approved.

All construction methods and materials used in construction of the improvements herein provided for shall conform with the requirements of the Standard Specifications for Road and Bridge Construction, issued by the State of Illinois Department of Transportation, adopted effective January 1, 2002, and the most recent edition of the Standard Specifications for Water and Sewer Main Construction in Illinois, published by the Illinois Society of Professional Engineers, copies of which are on file with the Village Clerk in the Village of Lombard.

**SECTION 3:** The quantities and types of materials to be used are as set forth in the Estimate of Cost, attached hereto and incorporated herein by reference.

**SECTION 4:** The Recommendation of the Board of Local Improvements, the Estimate of Cost thereof and the plans all hereto attached and/or incorporated herein by reference, be and the same are hereby approved.

**SECTION 5:** That said improvement shall be made and the cost thereof, which is estimated to be \$2,181,457.40, shall be paid for by special assessment in accordance with 65 ILCS 5/9-2-1 through 5/9-2-144, as supplemented by the Special Assessment Supplemental Bond and Procedures Act, 50 ILCS 460/1 through 460/60, which the Village hereby elects to be applicable

to this Special Assessment. An amount not exceeding \$130,887.44 is hereby provided for to apply towards the payment of all lawful costs and expenses incurred in making, levying and collecting the assessment for said improvement.

**SECTION 6:** The aggregate amount herein ordered to be assessed and each individual assessment shall be divided into fifteen (15) installments which shall bear interest at the rate of nine percent (9%) per annum until paid, subject to reduction upon issuance of the special assessment bonds, all in the manner and in accordance with the provisions of 65 ILCS 5/9-2-1 through 5/9-2-144, as supplemented by the provisions of 50 ILCS 460/1 through 460/60.

**SECTION 7:** For the purposes of anticipating the collection of the installments of said assessment for said improvement, bonds and/or vouchers shall be issued payable out of said installments, bearing interest at the rate of not more than nine percent (9%) per annum, payable annually, and signed by the President of the Village and attested by the Village Clerk, under the corporate seal of the Village. The bonds shall be issued in accordance with, and shall in all respects conform to, the provisions of 65 ILCS 5/9-2-1 through 5/9-2-144, as supplemented by 50 ILCS 460/1 through 460/60.

**SECTION 8:** WILLIAM T. LICHTER, Village Manager for the Village of Lombard, is designated as the person to file a petition in the Circuit Court of DuPage County, Illinois, as provided by law in the name of the Village, praying that steps may be taken to levy a special assessment for said improvement in accordance with the provisions of this Ordinance and in the manner prescribed by law.

This Ordinance, having been previously published in pamphlet form, from January 29, 2004 to the date of its passage, in accordance with law, shall be in full force and effect from and after its passage and approval.



**PASSED** on first reading this \_\_\_\_ day of \_\_\_\_\_, 2004.

First reading waived by action of the Board of Trustees this \_\_\_\_ day of \_\_\_\_\_, 2004.

**PASSED** on second reading this \_\_\_\_ day of \_\_\_\_\_, 2004, pursuant to a roll call vote as follows:

**AYES:** \_\_\_\_\_

**NAYS:** \_\_\_\_\_

**ABSENT:** \_\_\_\_\_

**APPROVED** by me this \_\_\_\_ day of \_\_\_\_\_, 2004.

\_\_\_\_\_  
**WILLIAM J. MUELLER**  
Village President

**ATTEST:**

\_\_\_\_\_  
**BARBARA A. JOHNSON**  
Deputy Village Clerk

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SUITE 1660  
20 NORTH WACKER DRIVE  
CHICAGO, ILLINOIS 60606-2903

TELEPHONE (312) 984-6400  
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FACSIMILE (312) 606-7077

ORLAND PARK OFFICE  
15010 S. RAVINIA AVE., SUITE 17  
ORLAND PARK, IL 60462-3162  
TELEPHONE (708) 349-3888  
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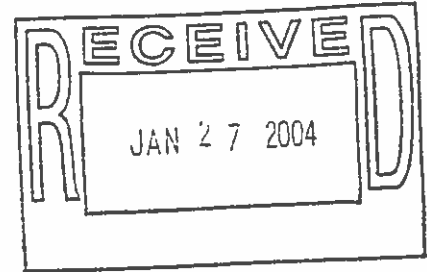
WRITER'S DIRECT DIAL

WRITER'S E-MAIL

MEMORANDUM

VIA FAX (630) 620-8222 AND U.S. MAIL

TO: William T. Lichter, Village Manager  
FROM: Tom Bayer, Village Attorney  
DATE: January 23, 2004  
SUBJECT: Special Assessment No. 218 – Grace and Fairfield



Per the Engineer's Estimate of Cost that I received from the Project Engineer, this memorandum is written to summarize the proposed cost allocation for Special Assessment No. 218. Said cost allocation is based upon the Village Policy providing for a 30% private benefit/70% public benefit assessment allocation relative to Special Assessments, with the Village paying for the entire cost of the watermain work, sanitary sewer work and Southland Pond/Park improvements. In this regard, please be advised as follows:

1. ASSESSABLE FOOTAGE:

A.	Total Roadway Frontage	2,887.722	lineal feet
B.	Total Roadway Sideage	120	lineal feet
C.	Total Sidewalk	3,257.992	lineal feet
D.	Total Street Lighting	4,515.492	lineal feet

2. PROJECT COST ALLOCATIONS:

A. SANITARY SEWER, WATERMAIN AND SOUTHLAND POND/PARK WORK - (46.40% of project):

CONSTRUCTION (including contingency)	—	\$ 766,763.42
ENGINEERING	—	\$ 123,993.33
MAKING, LEVYING & COLLECTING	—	\$ 60,731.78
ACCRUED INTEREST RESERVE	—	\$ 60,731.78

TOTAL \$1,012,220.31

B. ROADWAY ASSESSMENT ALLOCATION (41.62% of project):

CONSTRUCTION (including contingency)	-	\$687,725.07
ENGINEERING	-	\$111,219.88
MAKING, LEVYING & COLLECTING	-	\$ 54,475.35
ACCRUED INTEREST RESERVE	-	<u>\$ 54,475.35</u>
	TOTAL	<u>\$907,895.65</u>
70% Public Benefit	\$635,529.68 *	
30% Private Benefit	\$272,365.97 *	

\*(rounded to provide per lineal foot assessments without a fraction of a cent)

<u>Frontage</u>	-	<u>\$ 93.03 per lineal foot</u>
<u>Sideage</u>	-	<u>\$ 31.01 per lineal foot</u>

C. SIDEWALK ASSESSMENT ALLOCATION (3.94% of project):

CONSTRUCTION (including contingency)	-	\$ 65,029.05
ENGINEERING	-	\$ 10,528.74
MAKING, LEVYING & COLLECTING	-	\$ 5,156.96
ACCRUED INTEREST RESERVE	-	<u>\$ 5,156.96</u>
	TOTAL	<u>\$ 85,871.71</u>
70% Public Benefit	\$ 60,133.57 *	
30% Private Benefit	\$ 25,738.14 *	

\*(rounded to provide per lineal foot assessments without a fraction of a cent)

<u>Sidewalk</u>	-	<u>\$7.90 per lineal foot</u>
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D. STREET LIGHTING ASSESSMENT ALLOCATION (8.04% of project):

CONSTRUCTION (including contingency)	-	\$132,937.98
ENGINEERING	-	\$ 21,485.05
MAKING, LEVYING & COLLECTING	-	\$ 10,523.35
ACCRUED INTEREST RESERVE	-	<u>\$ 10,523.35</u>
	TOTAL	<u>\$175,469.73</u>
70% Public Benefit	\$122,819.10 *	
30% Private Benefit	\$ 52,650.63 *	

\*(rounded to provide per lineal foot assessments without a fraction of a cent)

<u>Street Lighting</u>	-	<u>\$ 11.66 per lineal foot</u>
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E. TOTAL ALLOCATION BEFORE APPRAISAL ADJUSTMENT  
AND PARK DISTRICT ADJUSTMENT

PUBLIC BENEFIT:	\$1,830,702.66 (83.92%)
PRIVATE BENEFIT:	\$ 350,754.74 (16.08%)

F. TOTAL ALLOCATION AFTER APPRAISAL ADJUSTMENT  
AND PARK DISTRICT ADJUSTMENT

Private Benefit Before Adjustment	\$350,754.74
Park District Adjustment	(\$ 58,608.38)
Appraisal Adjustment	<u>(\$ 85,501.71)</u>

Net Private Benefit	\$206,647.65
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PUBLIC BENEFIT	\$1,974,809.75 (90.53%)
PRIVATE BENEFIT	\$ 206,647.65 ( 9.47%) *

\*Note that as the Village owns P.I.N. 06-17-403-030, the Village will pay a private benefit assessment of \$2,484.51 in relation to this parcel

Please be advised that I will be preparing the Assessment Roll based on the foregoing amounts, spread over a fifteen (15) year period.

TPB:cb

cc: Stan Rickard, Director of Public Works  
David Dratnol, Village Engineer  
Ray Schwab, Civil Engineer  
Justine Gembala, Civil Engineer  
(via fax (630) 620-5982 and U.S. mail

Village of Lombard  
Special Assessment No. 218 Street Improvements – Phase I  
Engineer's Estimate of Most Probable Cost  
For  
Bituminous Concrete  
Pavement Street Improvements

To: The Board of Local Improvements of the Village of Lombard, Illinois and to the President of the Board of the Board of Trustees of the Village of Lombard, Illinois.

Gentlemen:

I hereby submit an estimate of the construction cost, including labor and material, cost of engineering services and inspection, court and collection costs along with other lawful expenses of a local improvement consisting of:

Pavement removal, curb and gutter removal sidewalk removal, bituminous surface removal and replacement, earth excavation; and removal and disposal of unsuitable material, porous granular embankment, subbase granular material, full depth bituminous concrete pavement, combination concrete curb and gutter, Portland cement concrete sidewalk, bituminous and concrete driveway replacement, detention pond expansion, storm sewer and appurtenances for pavement drainage purposes, street lighting, parkway restoration, water main, and replace deficient portions of the existing sanitary sewer.

Making a pavement twenty-eight feet (28') wide as measured between the back of curbs on and along:

Grace Avenue from a point approximately eight hundred fifty two feet (852') south of the center line of Central Avenue, northerly a distance of eight hundred seventeen feet (817') to a point approximately sixteen feet (16') south of the centerline of Central Avenue.

Fairfield Avenue from a point approximately one thousand four hundred sixty-four feet (1,464') south of the centerline of Central Avenue, northerly a distance of one thousand four hundred sixty-four feet (1,464') to the centerline of Central Avenue.

Installation of street lighting along the South side of Central Avenue from Grace Avenue to Fairfield Avenue for a length of approximately seven hundred feet (700').

Expanding an existing detention pond in Southland Park.

Village datum for the purpose of this improvement is fixed and established as the official datum of the U.S. Geological Survey (National Geodetic Vertical Datum).

All material of every kind and character to be used in the construction of this improvement shall be of high class quality, suitable for the purpose for which they are to be used, and subject to the inspection and approval of the Board of Local Improvements of the Village of Lombard, DuPage County, Illinois.

All work shall be constructed in a workmanlike manner under the superintendence of the Board of Local Improvements of the Village of Lombard, Illinois.

All construction methods and materials used in construction of the improvements herein provided for shall conform with the requirements of the Standards Specifications for Road and Bridge Construction, issued by the State of Illinois Department of Transportation adopted January 1, 2002 and the most recent edition of the Standard Specifications for Water and Sewer Main Construction in Illinois, published by the Illinois Society of Professional Engineers, copies of which are on file with the Village Clerk of the Village of Lombard.

I have estimated the cost of making said improvements at:

152	inch diameter tree removal 6-15 inch in diameter, including disposal of surplus material, and all labor, material and equipment necessary to complete the work.		
	\$18.00 per Inch Diameter	\$	2,736.00
3150	feet temporary fence installed to protect existing trees in the right-of-way during construction, including all labor and materials, complete in place.		
	\$2.00 per Foot	\$	6,300.00
40	each tree trunk protection to adequately prevent scarring of trees within the construction zone, including labor and material, complete in place.		
	\$43.00 per Each	\$	1,720.00
29	each tree root pruning where construction is to occur within the root zone of existing plant material, including labor and material, complete in place.		
	\$47.25 per Each	\$	1,370.25
6	each tree pruning 1 to 10 inch diameter, including disposal of surplus material, and all labor, materials and equipment necessary to complete the work.		
	\$55.00 per Each	\$	330.00
8	each tree pruning over 10 inch diameter, including disposal of surplus material, and all labor, materials and equipment necessary to complete the work.		
	\$65.00 per Each	\$	520.00
3500	cubic yards of earth excavation including disposal of surplus material, to the lines and grades shown on the plans, including all labor, material and equipment.		
	\$16.50 Per Cubic Yard (C.Y.)	\$	57,750.00

420	cubic yards of removal and disposal of unsuitable material including disposal, as directed by the Engineer, including all labor, material and equipment.	
	\$15.00 per C.Y.	\$ 6,300.00
420	cubic yards of porous granular embankment including all labor and material, complete in place.	
	22 per C.Y.	\$ 9,240.00
2465	cubic yards trench backfill for storm sewer, water main, and services, including all labor and materials, complete in place.	
	\$27.00 per C.Y.	\$ 66,555.00
1800	square yards geotechnical fabric for ground stabilization, including all labor and materials, complete in place.	
	\$1.00 per SQUARE YARDS (S.Y.)	\$ 1,800.00
27,520	square yards furnishing and placing topsoil four inches (4") in depth, including all labor and material, complete in place.	
	\$2.50 per S.Y.	\$ 68,800.00
400	foot of exploration trench special, including all excavation, backfilling, all labor and material, complete in place.	
	\$ 45.00 per Foot	\$ 18,000.00
0.52	acres seeding, class 1, special, for restoring disturbed areas, installed on a prepared ground surface, including fertilizer nutrients, all labor and materials, complete in place.	
	\$4,000.00 per Acre	\$ 2,080.00
150	units of supplemental watering for use with seeding and sodding. Includes all labor and materials, complete.	
	\$45.00 per Unit	\$ 6,750 .00



25000	square yards sodding, special, for restoring disturbed areas, installed on a prepared ground surface, including fertilizer nutrients, all labor and materials, complete in place.	
	\$5.00 per S.Y.	\$ 125,000.00
2600	feet perimeter erosion barrier for protection of silt flowing off-site, including all labor and materials, complete in place.	
	\$2.50 per Foot	\$ 6,500.00
28	each inlet and pipe protection for protection of silt entering open lid structures, including all labor and materials, complete in place.	
	\$ 75.00 per Each	\$ 2,100.00
6365	square yards sub-base granular material, Type B, four inches (4") thick as a pavement sub-base, including all labor and materials, complete in place.	
	\$4.00 per S.Y.	\$ 25,460.00
1500	gallons bituminous material (prime coat), including all labor and materials, complete in place.	
	\$1.00 per Gallon	\$ 1,500.00
17	tons aggregate (prime coat), including all labor and materials, complete in place.	
	\$8.00 per Ton	\$ 136.00
2255	tons of bituminous concrete binder course superpave, IL-19.0, N50, for pavement base material, including all labor and materials, complete in place.	
	\$35.00 per Ton	\$ 78,925.00
205	tons of bituminous concrete leveling binder course machine method, N50, for pavement base material, including all labor and materials, complete in place.	
	\$37.00 per Ton	\$ 7,585.00

655	tons bituminous concrete surface course, superpave, Mix "C", N50, including all labor and materials, complete in place.	\$39.50 per Ton	\$ 25,872.50
5950	square yards protective coat for all concrete surfaces, including all labor and material, complete in place.	\$2.00 per S.Y.	\$ 11,900.00
125	square yards Portland cement concrete driveway pavement six inches (6") thick special, including forms, concrete, aggregate base, labor and material, complete in place.	\$29.00 per S.Y.	\$ 3,625.00
17425	square feet Portland cement concrete sidewalk, five inches (5") thick special, including aggregate base, forms, concrete, labor and materials, complete in place.	\$3.00 per S.F.	\$ 52,275.00
2250	square yards bituminous pavement surface removal three inches (3") thick, including all labor and material, complete in place.	\$3.50 per S.Y.	\$ 7,875.00
4800	square yards pavement removal, including all excavation and disposal, labor and equipment, complete in place.	\$8.35 per S.Y.	\$ 40,080.00
1475	square yards driveway pavement removal, including all excavation and disposal, labor and material, complete in place.	\$7.00 per S.Y.	\$10,325.00
920	feet combination curb and gutter removal, including all excavation and disposal, labor and materials, complete in place.	\$3.00 per Foot	\$ 2,760.00
1200	square feet of sidewalk removal, including all excavation and disposal, labor and materials, complete in place.	\$1.00 per Foot	\$ 1,200.00

10	square yards Class D, Type 2 pavement patches eight inches (8"), including all excavation and disposal, labor and materials, complete in place.	
	\$65.00 per S.Y.	\$ 650.00
19	square yards Class D, Type 3 pavement patches eight inches (8"), including all excavation and disposal, labor and materials, complete in place.	
	\$60.00 per S.Y.	\$ 1,140.00
350	square yards Class D, Type 4 pavement patches eight inches (8"), including all excavation and disposal, labor and materials, complete in place.	
	\$50.00 per S.Y.	\$ 17,500.00
2300	square yards area reflective crack control treatment, including all labor and materials, complete in place.	
	\$1.00 per S.Y.	\$ 2,300.00
720	feet of removal of existing culverts, including all excavation and disposal, labor and materials, complete in place.	
	\$8.00 per Foot	\$ 5,760.00
358	feet reinforced concrete storm sewer, twelve inch (12") diameter, for pavement drainage, including all excavation and disposal, labor and materials, complete in place.	
	\$38.00 per Foot	\$ 13,604.00
118	feet reinforced concrete storm sewer, fifteen inch (15") diameter, for pavement drainage, including all excavation and disposal, labor and materials, complete in place.	
	\$42.00 per Foot	\$ 4,956.00
225	feet reinforced concrete storm sewer, twenty-seven inch (27") diameter, for pavement drainage, including all excavation and disposal, labor and materials, complete in place.	
	\$75.00 per Foot	\$ 16,875.00

233	feet reinforced concrete storm sewer, thirty inch (30") diameter, for pavement drainage, including all excavation and disposal, labor and materials, complete in place.	\$85.00 per Foot	\$ 19,805.00
315	feet reinforced concrete rubber gasket storm sewer, twelve inch (12") diameter, for pavement drainage, including all excavation and disposal, labor and materials, complete in place.	\$40.00 per Foot	\$ 12,600.00
123	feet reinforced concrete elliptical storm sewer, span 30" rise 19", for pavement drainage, including all excavation and disposal, labor and materials, complete in place.	\$100.00 per Foot	\$ 12,300.00
123	feet of storm sewer removal 8", including all excavation and disposal, labor and materials, complete in place.	\$10.00 per Foot	\$ 1,230.00
100	feet ductile iron water main six inch (6") diameter, including all excavation and disposal, labor and materials, complete in place.	\$35.00 per Foot	\$ 3,500.00
3005	feet ductile iron water main eight inch (8") diameter, including all excavation and disposal, labor and materials, complete in place.	\$37.00 per Foot	\$111,185.00
5	each water valves eight inch (8") diameter, conforming to AWWA C500, including all excavation and disposal, labor and materials, complete in place.	\$900 per Each	\$ 4,500.00
1205	feet water service line one inch (1") diameter, including all excavation and disposal, labor and materials, complete in place.	\$20.00 per Foot	\$ 24,100.00

30	feet water service line one and a half inch (1 1/2") diameter, including all excavation and disposal, labor and materials, complete in place.	\$22.00 per Foot	\$ 660.00
50	feet water service line two inch (2") diameter, including all excavation and disposal, labor and materials, complete in place.	\$30.00 per Foot	\$ 1,500.00
41	each corporation stops, valves one inch (1") diameter, including all excavation and disposal, labor and materials, complete in place.	\$330 per Each	\$ 13,530.00
1	each corporation stops, valves one and a half inch (1 1/2") diameter, including all excavation and disposal, labor and materials, complete in place.	\$350 per Each	\$ 350.00
1	each corporation stops, valves two inch (2") diameter, including all excavation and disposal, labor and materials, complete in place.	\$400 per Each	\$ 400.00
4	each fire hydrants to be removed special, including all excavation and disposal, labor and materials, complete in place.	\$300.00 per Each	\$ 1,200.00
20	feet of water service to be adjusted, including all excavation and disposal, labor and materials, complete in place.	\$24.00 per Foot	\$ 480.00
10	each fire hydrant with auxiliary valve and valve box, including all excavation, labor and materials, complete in place.	\$2,200.00 per Each	\$ 22,000.00
43	each domestic water service box removal, including all excavation and disposal, labor and materials, complete in place.	\$33.00 per Each	\$ 1,419.00

43	each domestic water service boxes, including all excavation and disposal, labor and materials, complete in place.	
	\$415.00 per Each	\$ 17,845.00
400	feet pipe under-drains fabric lined trench four inch (4") diameter, to drain the sub-grade, including all excavation, labor and materials, complete in place.	
	\$13.00 per Foot	\$ 5,200.00
3	each catch basin, Type A with Type 1 cast iron frame and open lid, four feet (4') diameter, including all excavation and disposal, labor and materials, complete in place.	
	\$1,350.00 per Each	\$ 4050.00
13	each catch basin, Type A with Type 3 cast iron frame, four feet (4') diameter, including all excavation and disposal, labor and materials, complete in place.	
	\$1,350.00 per Each	\$ 17,550.00
1	each manhole, Type A with Type 1 cast iron frame and open lid, four foot (4') diameter, including all excavation and disposal, labor and materials, complete in place.	
	\$1,600.00 per Each	\$ 1,600.00
8	each manhole, Type A with Type 1 cast iron frame and closed lid, four foot (4') diameter, including all excavation and disposal, labor and materials, complete in place.	
	\$1,600.00 per Each	\$ 12,800.00
1	each manhole, Type A with Type 1 cast iron frame and closed lid, eight foot (8') diameter, including all excavation and disposal, labor and materials, complete in place.	
	\$4,750.00 per Each	\$ 4,750.00
1	each inlets, Type A with Type 1 cast iron frame and open lid, two foot (2') diameter, including all excavation and disposal, labor and materials, complete in place.	
	\$750.00 per Each	\$ 750.00

2	each inlets, Type A with Type 3 cast iron frame and grate, two foot (2') diameter, including all excavation and disposal, labor and materials, complete in place.	\$750.00 per Each	\$ 1,500.00
4	each inlets, Type B with Type 3 cast iron frame and grate, three foot (3') diameter, including all excavation and disposal, labor and materials, complete in place.	\$1000.00 per Each	\$ 4,000.00
28	each inlets special, with frame and grate, including all excavation and disposal, labor and materials, complete in place.	\$200.00 per Each	\$ 5,600.00
5	each, valve vaults Type A, five foot (5') diameter, Type 1 frame, closed lid, including all excavation and disposal, labor and materials, complete in place.	\$1,600.00 per Each	\$ 8,000.00
7	each removing inlets, including all excavation and disposal, labor and materials, complete in place.	\$200.00 per Each	\$ 1,400.00
6	each abandon valve box, including all excavation and disposal, backfilling, labor and materials, complete in place.	\$150.00 per Each	\$ 900.00
2	each abandon valve vault, including all excavation and disposal, backfilling, labor and materials, complete in place.	\$300.00 per Each	\$ 600.00
4050	feet combination concrete curb and gutter, Type B-6.12, including forms, concrete, labor and materials, complete in place.	\$11.00 per Foot	\$ 44,550.00

7	calendar months engineer's field office, Type B for the project's resident inspector, including all furniture and utilities such as heating, air conditioning, lighting, telephone, copy machine, adding machine, chairs, desks, etc.	\$1,200.00 per Calendar Month	\$ 8,400.00
1	lump sum traffic control and protection complete as required.	\$30,000.00 per Lump Sum	\$ 30,000.00
36.4	sq ft preformed plastic pavement marking, Type A, letters and symbols, to provide lane usage lines at proposed intersection, including all labor and materials, complete in place.	\$5.00 per S.F.	\$ 182.00
660	feet preformed plastic pavement marking, Type A, four inch (4") line, to provide lane usage lines at proposed intersection, including all labor and materials, complete in place.	\$ 4.00 per Foot	\$ 2,640.00
193	feet preformed plastic pavement marking, Type A, six inch (6") line, to provide lane usage lines at proposed intersection, including all labor and materials, complete in place.	\$5.00 per Foot	\$ 965.00
52	feet preformed plastic pavement marking, Type A, twenty four inch (24") line, to provide lane usage lines at proposed intersection, including all labor and materials, complete in place.	\$20.00 per Foot	\$ 1,040.00
1	each electrical service installation, including all labor and materials to complete the work.	\$2,000.00 per Lump Sum	\$ 2,000.00
2	each ground rod, 3/4" dia. X 10 feet, including all labor and materials, complete in place.	\$75.00 per Each	\$ 150.00



26	each ground rod, 5/8" dia. X 10 feet, including all labor and materials, complete in place.	\$75.00 per Each	\$ 1,950.00
143	feet galvanized steel conduit pushed, two-and-a-half inch (2 ½") diameter, for locations where no other work is being done in the parkway, including all labor and materials, complete in place.	\$17.50 per Foot	\$ 2,502.50
45	feet galvanized steel conduit pushed, four inch (4") diameter, for locations where work is being done under the pavement, including all labor and materials, complete in place.	\$25.00 per Foot	\$ 1,125.00
50	feet galvanized steel conduit pushed, five inch (5") diameter, for locations where no other work is being done in the parkway, including all labor and materials, complete in place.	\$30.00 per Foot	\$ 1,500.00
240	feet galvanized steel conduit in trench, two-and-a-half inch (2 ½") diameter, for locations where unit duct is not under existing pavement, including all labor and materials, complete in place.	\$12.50 per Foot	\$ 3,000.00
5	feet galvanized steel conduit in trench, five inch (5") diameter, for locations where unit duct is in the parkway, including all labor and materials, complete in place.	\$25.00 per Foot	\$ 125.00
2	each concrete handhole reinforced concrete with cast iron frame and lid for street lighting cable intersections, including all labor and materials, complete in place.	\$1250.00 per Each	\$ 2,500.00
1	each double concrete handhole reinforced concrete with cast iron frame and lid for street lighting cable intersections, including all labor and materials, complete in place.	\$2250.00 per Each	\$ 2,250.00

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3660	feet trench and backfill for electrical work, including all labor and materials, complete in place.	\$5.00 per Foot	\$ 18,300.00
300	feet electric cable in conduit (XLP-Type Use) 3/C # 3/0 for service cable, including all labor and materials, complete in place.	\$8.00 per Foot	\$ 2,400.00
1	each lighting controller, including all labor and materials necessary to complete the work.	\$8,500.00 per Each	\$ 8,500.00
200	foot detection loop Type 1 for traffic signals, including all labor and materials necessary to complete the work.	\$15.00 per Foot	\$ 3,000.00
1	lump sum for pre construction video taping of project area before project begins including all labor and material.	\$2000.00 per Lump sum	\$ 2,000.00
2000	tons aggregate for temporary access to provide ingress/egress to vehicles over temporary grade changes created during construction, including all labor and materials necessary to complete the work.	\$15.00 per Ton	\$ 30,000.00
1100	square yards bituminous driveway replacement nine inches (9") thick, including forms, bituminous, aggregate base, labor and material, complete in place.	\$25.00 per S.Y.	\$ 27,500.00
16	each drainage utility structure to be adjusted with new frame and grate, labor and materials, complete in place.	\$300.00 per Each	\$ 4,800.00

1	each pressure connection 8" x 8", to connect to existing water main including excavation, all labor and materials, complete in place.	\$3300.00 per Each	\$ 3,300.00
3000	pounds water main fittings including all labor and materials, complete in place.	\$3.25 per Pound	\$ 9,750.00
2	each connection to existing water main non pressure including excavation, all labor and materials, complete in place.	\$1700.00 per Each	\$ 3,400.00
26	each concrete light pole, including labor and materials necessary to complete the work.	\$1250.00 per Each	\$ 32,500.00
26	each luminaire, including labor and materials necessary to complete the work.	\$750.00 per Each	\$ 19,500.00
4540	feet unit duct, 2/C #6XLP, 1/C # 6 XLP ground and 1" polyethylene raceway for street lighting, including all labor and materials, complete in place.	\$4.00 per Foot	\$ 18,160.00
610	feet unit duct, 3/C #6XLP, 1/C # 6 XLP ground and 1" polyethylene raceway for street lighting, including all labor and materials, complete in place.	\$4.25 per Foot	\$ 2,592.50
150	feet unit duct, 4/C #6XLP, 1/C # 6 XLP ground and 1-1/4" polyethylene raceway for street lighting, including all labor and materials, complete in place.	\$5.00 per Foot	\$ 750.00


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1160	feet directional bore and pull for street lighting, including all labor and materials, complete in place.	
	\$5.00 per Foot	\$ 5,800.00
467	square yards of rip rap remove and replace around the Southland Pond, including all excavation and disposal, labor and materials, complete in place.	
	\$30.00 per S.Y.	\$ 14,010.00
1	lump sum for lowering pond, including all labor and materials.	
	\$5000.00 Lump Sum	\$ 5,000.00
1	lump sum earth excavation (special), for the earthwork at Southland Park, including all excavation, disposal, grading, labor and materials, complete in place.	
	\$30,000 Lump Sum	\$ 30,000.00
1	lump sum earth excavation (special) southland pond expansion, for the construction of a larger pond at Southland Park, including all excavation, disposal, grading, labor and materials, complete in place.	
	\$100,000 Lump Sum	\$ 100,000.00
1250	square feet bituminous sidewalk, including aggregate base, labor and materials, complete in place.	
	\$15.00 per S.F.	\$ 18,750.00
1170	feet, eight inch (8") perforated sewer, for drainage, including all excavation and disposal, aggregate, fabric, labor and materials, complete in place.	
	\$30.00 per Foot	\$ 35,100.00
80	feet adjusting sanitary sewer 8 inches or less, including all excavation and disposal, including all labor and materials, complete in place.	
	\$10.00 per Foot	\$ 800.00

400	feet, six inch (6") water main quality polyvinyl chloride storm sewer, for yard drainage, including all excavation and disposal, labor and materials, complete in place.	\$ 11,200.00
	\$28.00 per Foot	
1	lump sum mailbox relocation, for the relocation of mailboxes during the construction, including all labor and materials.	\$ 3,000.00
	\$ 3,000 Lump Sum	
50	units dust control watering in order to control dust during construction operations for the benefit of residents and workers, including all labor and materials to complete the work.	\$ 2,500.00
	\$50.00 per Unit	
25	cubic yards of undercutting for utilities including disposal and aggregate replacement, as directed by the Engineer, including all labor, material and equipment.	\$ 750.00
	\$30.00 per C.Y.	
1	each storm sewer clean out, including all excavation, backfill, all labor and materials, complete in place.	\$ 325.00
	\$325.00 per Each	
7	each cut and cap existing water main, including all excavation installing a cap and backfill, including all labor and materials, complete in place.	\$ 1,400.00
	\$200.00 per Each	
1	each connection to existing water main non pressure special including excavation, all labor and materials, complete in place.	\$ 20,000.00
	\$20,000.00 per Each	
1	each man hole to be adjusted with new type 1 frame and open lid, including all labor and materials, complete in place.	\$ 450.00
	\$450.00 per Each	

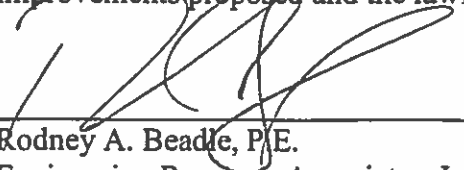
38	each sanitary sewer service clean out, including all excavation, all labor and materials, complete in place.		
	\$325.00 per Each	\$	12,350.00
2	each sanitary sewer service clean out in driveway, including all excavation, all labor and materials, complete in place.		
	\$450.00 per Each	\$	900.00
24	each sediment control, drainage structure inlet filter, including all labor and materials required to install and remove, complete in place.		
	\$200.00 per Each	\$	4,800.00
24	each sediment control, drainage structure inlet filter cleaning, including all labor and materials.		
	\$100.00 per Each	\$	2,400.00
1	lump sum entrance gates, including all labor and materials, complete in place.		
	\$10,000.00 Lump Sum	\$	10,000.00
SUBTOTAL			\$1,604,325.75
3% CONTINGENCY			\$ 48,129.77
TOTAL ESTIMATED CONSTRUCTION COST			\$ 1,652,455.52

TOTAL ESTIMATED CONSTRUCTION COST	\$ 1,652,455.52
A. Water mains, resurfacing and Southland Park improvements (items financed 100% by the Village).	\$ 766,763.42
B. Sidewalks (Shared Cost)	\$ 65,029.05
C. Street lights (Shared Cost)	\$ 132,937.98
D. Roadway Improvements, including storm sewers and parkway restoration (Shared Cost)	\$ 687,725.07
Engineering Services and Inspection (100% by the Village)	\$ 123,993.33
Engineering Services and Inspection (Shared Cost)	\$ 143,233.67
Accrued Interest Reserve	\$ 130,887.44
Cost of making, levying and collecting the assessment and all lawful expenses attending the same as provided by law.	\$ 130,887.44
GRAND TOTAL	\$2,181,457.40

  
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Rodney A. Beadle, P.E.  
Engineering Resource Associates, Inc.  
President  
DuPage County, Illinois

Dated: 1-7-04

And I hereby certify that, in my opinion, the above estimate does not exceed the probable cost of the improvements proposed and the lawful expenses attending the improvement.

  
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Rodney A. Beadle, P.E.  
Engineering Resource Associates, Inc.  
President  
DuPage County, Illinois

Dated: 1-7-04