## Memorandum

GEWALT HAMILTON ASSOCIATES, INC.

625 Forest Edge Drive, Vernon Hills, IL 60061 Tel 847.478.9700 Fax 847.478.9701

www.gha-engineers.com

Date: September 18, 2017

To: John Carlisle

Associate Planner, CMAP

From: Bill Grieve, P.E., PTOE

Senior Transportation Engineer

Dave Marguardt

Senior Construction Engineer

Justin Opitz

Transportation Planner

Re: Maine-Northfield Unincorporated Area Plan

Right-of-Way Design Standards Assessment

Gewalt Hamilton Associates, Inc. (GHA) has conducted a preliminary analysis of costs associated with the annexation of five distinct subareas within Maine and Northfield townships. The project study area is surrounded by the incorporated communities of Des Plaines, Glenview, Niles, Morton Grove, and Park Ridge. The overarching project goal is to inform decision makers in these surrounding municipalities of the benefits and costs of annexation, specifically with each municipality incorporating a portion of the area. The municipalities would then oversee capital improvements and assume jurisdiction of rights-of-way currently maintained by Maine or Northfield Township road departments. Private drives and/or streets were not included as these would not change in an annexation scenario. Possible improvements to right-of-way elements are as follows:

- Expanded roadway width and pavement resurfacing
- Additional sidewalks

- Additional streetlights
- Installing curbs and gutters (C&G)
- Installing storm sewer mains

GHA has based the potential infrastructure costs associated with the annexation on typical costs from municipal roadway projects completed in recent years. It is of note that requirements for each roadway were separated out between Local/Residential roadways and Collector roadways. In general, Local/Residential roadways have low design speeds, offer low levels of mobility, and through traffic is often discouraged; whereas Collector roadways have higher speed limits and traffic volumes and are meant to gather traffic from Local/Residential roadways and funnel it to the arterial roadway network.

The per unit costs were separated into two different categories, low end value and high-end value. This was done to provide the municipalities with estimates on both ends of the spectrum. Also, the following unit abbreviations were used to simplify the data: Square Yards (SY), Square Foot (FT), Each (EA), and Lineal Foot (FT). The tables listed below summarize the requirements based upon municipality.

In order to establish a single unit price for the various infrastructure improvements, GHA made some general assumptions utilizing various construction phases and unit costs of several separate items and condensed these into one general inclusive item. The single unit price of the specific restoration items includes, but is not limited to, the following;

- Roadway widening improvements include earth excavation, aggregate subgrade improvements, hot-mix asphalt (HMA) binder, HMA surface, thermoplastic pavement markings, and parkway restoration.
- Pavement resurfacing improvements include hot-mix asphalt surface removal (cold milling), tack coat, HMA leveling binder, and HMA surface. Pavement resurfacing costs are shown as the same value for both the high and low end options. We anticipated resurfacing every street in the boundaries provided since there is no definitive time table as to when a given street would be potentially annexed.
- Curb and gutter improvements include earth excavation, aggregate base course, type B-6.12 combination concrete curb and gutter (C&G).
- Sidewalk improvements include earth excavation, 4" of aggregate base course, 5" of portland cement concrete sidewalk, and detectable warning panels where required.
- Street lighting improvements include foundation installation, street light and pole, single conduit, and associated wiring. Controller cabinets and power source acquisition were not included in this work.
- Mainline storm sewer improvements included a 4' diameter manholes at approximately 300' spacing, 18" reinforced concrete pipe, granular trench backfill, and associated HMA pavement patching. Lateral storm sewer included 4' diameter catch basins (4 per intersection typical), 12" reinforced concrete pipe, granular trench backfill, and associated HMA pavement patching. Typical driveway culverts were not included in any costs as they are assumed to be maintained by the homeowner.
- Areas that currently consist of a rural cross-section may include partial stormwater conveyance which we
  would define as a combination of underground storm sewer system with structures and pipe, and a surface
  ditch or swale system typically consisting of driveway and roadway culverts. For the purposes of this report,
  consideration for storm sewer was only given to areas with an underground storm sewer pipe network.
- Parkway tree improvements include excavation, 3" caliper typical parkway tree species, and hardwood mulch.

### Roadway Width Requirements (Back of Curb to Back of Curb)

Municipality	Local/Residential	Collector	Miscellaneous
Glenview	26 FT	42 FT	
Des Plaines	28 FT	34 FT	C&G required
Niles	31 FT	40 FT	C&G required
Park Ridge	32 FT	36 FT	
Morton Grove	33 FT	41 FT	C&G required

> Low End: 26 FT; High End: 33 FT

Collector Low End: 34 FT; Collector High End: 42 FT
 Low End: No Curb & Gutter; High End: Curb & Gutter

#### **Sidewalk Width Requirements**

Municipality	Local/Residential	Collector	Miscellaneous
Glenview	5 FT	5 FT	
Des Plaines	5 FT	5 FT	Both Sides
Niles	5 FT	5 FT	
Park Ridge	5 FT	5 FT	
Morton Grove	5 FT	5 FT	Both Sides

Low End: Sidewalk on one side of the roadway; High End: Sidewalk on both sides of the roadway.

#### **Street Light Requirements**

Municipality	Local/Residential	Collector	Miscellaneous
Glenview			
Des Plaines			
Niles	Yes	Yes	At all corners.
Park Ridge			
Morton Grove	Yes	Yes	At all corners.

- > Street light installation per pole.
- > Low End: No street light improvements; High End: Street light at all corners.

#### **Storm Sewer Requirements**

Municipality	Local/Residential	Collector	Miscellaneous
Glenview			
Des Plaines	Yes	Yes	
Niles	Yes	Yes	
Park Ridge			
Morton Grove	Yes	Yes	

#### Main Line:

➤ Low End: No storm sewer improvements; High End: Single 18" diameter storm sewer main along the length of the roadway at an average depth. A manhole structure placed every 300'.

#### Lateral:

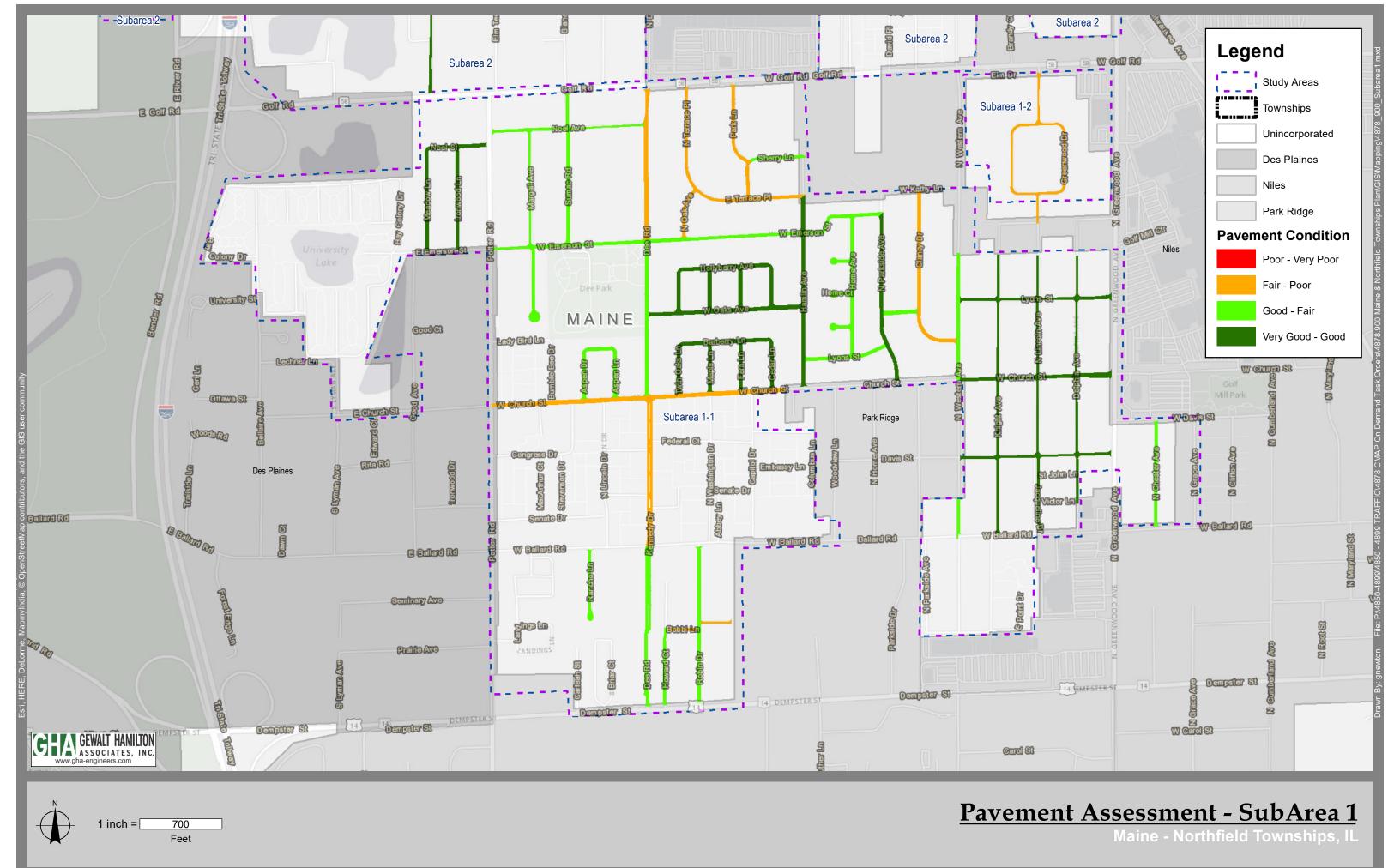
Low End: No storm sewer improvements; High End: Four catch basins at each intersection and 24' of 12" diameter storm sewer to each inlet.

#### **Parkway Tree Requirements**

Municipality	Local/Residential	Collector	Miscellaneous
Glenview			
Des Plaines			
Niles			
Park Ridge			
Morton Grove	Yes	Yes	40' o/c

➤ Low End: No parkway tree improvements; High End: New parkway tree space at 40' along both sides of the roadway.

Furthermore, exhibits outlining each subareas boundary, pavement conditions, and subsequent opinion of probable construction cost per section are attached on the following pages.

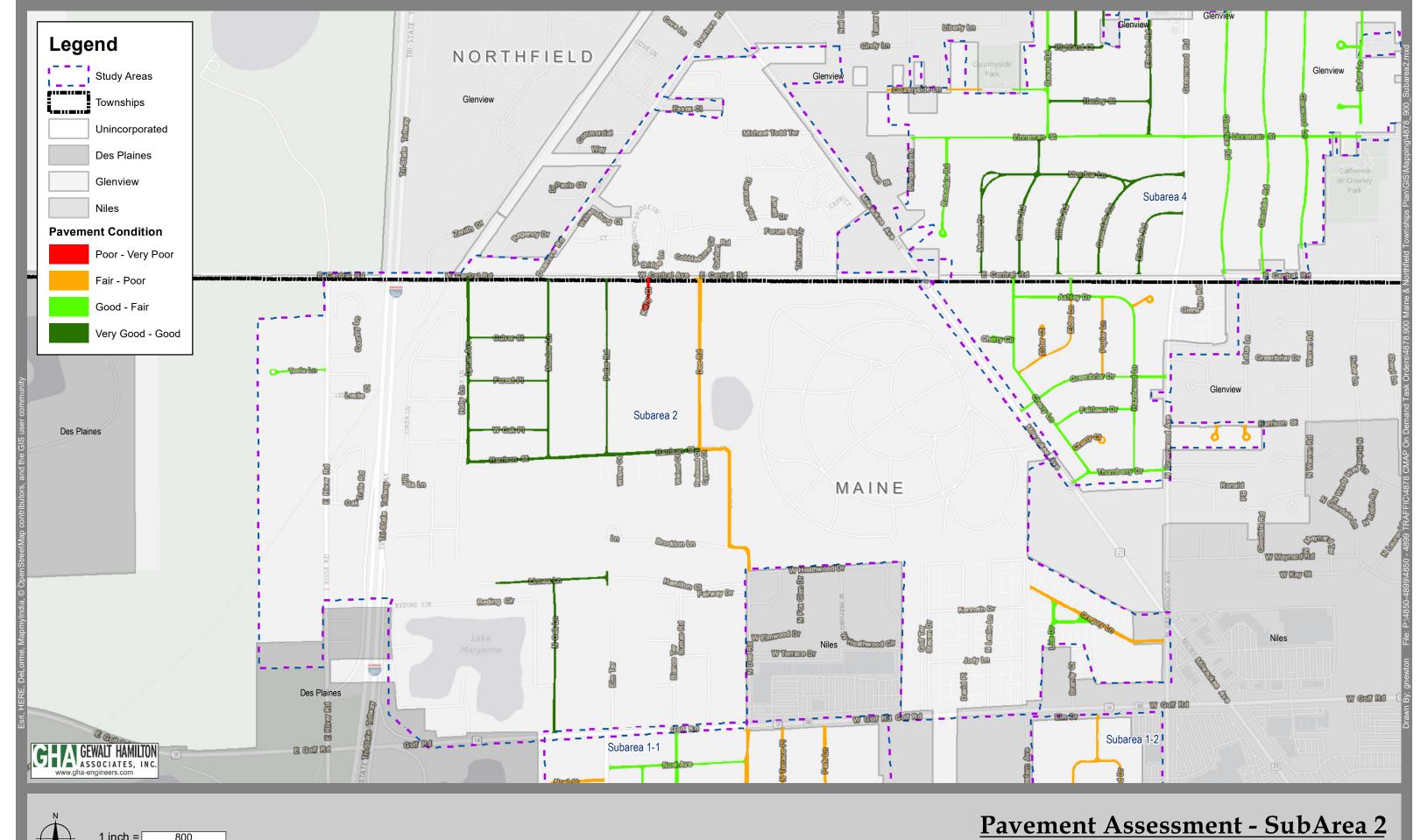


ap Center: -87.85347 42.04690

			Low End		High End	
Item Description	Unit	Unit Value	Quantity	Low End Value	Quantity	High End Value
Road Widening	SY	\$100.00	7,156	\$715,700.00	22,747	\$2,274,800.00
Road Widening (Collector)	SY	\$100.00	931	\$93,200.00	4,981	\$498,100.00
Curb and Gutter	FT	\$60.00	0	\$0.00	27,630	\$1,657,800.00
Sidewalk Improvements	SF	\$40.00	113,770	\$4,550,800.00	227,540	\$9,101,600.00
Street Lighting	EA	\$10,000.00	0	\$0.00	4	\$40,000.00
Storm Sewer Main Line Structures	EA	\$5,000.00	0	\$0.00	2	\$10,000.00
Storm Sewer Main Line Improvements	FT	\$185.00	0	\$0.00	305	\$56,500.00
Storm Sewer Lateral Structures	EA	\$3,000.00	0	\$0.00	4	\$12,000.00
Storm Sewer Lateral Improvements	FT	\$125.00	0	\$0.00	95	\$11,900.00
Parkway Trees	EA	\$640.00	0	\$0.00	2,603	\$1,666,200.00
Resurfacing	SY	\$35.00	158,849	\$5,559,800.00	158,849	\$5,559,800.00
			Subtotal:	\$10,919,500.00		\$20,888,700.00
		Cor	ntingency (20%):	\$2,183,900.00		\$4,177,740.00
Note: Surrounding incorporated		TOTA	AL SUBAREA 1:	\$13,103,400.00	:	\$25,066,440.00

Note: Surrounding incorporated communities include Des Plaines, Park Ridge, and Niles.

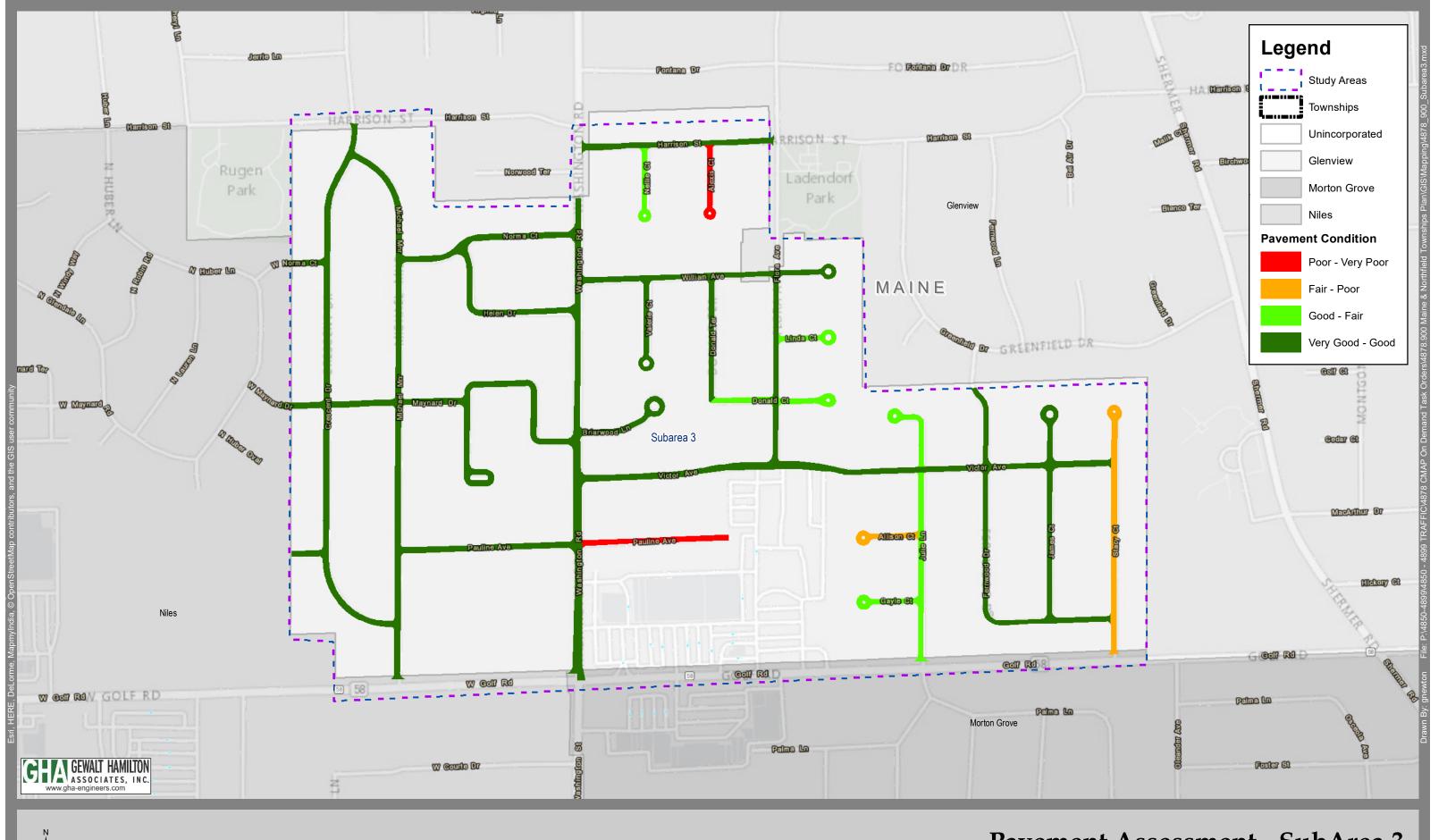




			Low End		High End	
Item Description	Unit	Unit Value	Quantity	Low End Value	Quantity	High End Value
Road Widening	SY	\$100.00	3,616	\$361,700.00	12,310	\$1,231,000.00
Road Widening (Collector)	SY	\$100.00	1,199	\$119,900.00	3,935	\$393,500.00
Curb and Gutter	FT	\$60.00	0	\$0.00	26,385	\$1,583,100.00
Sidewalk Improvements	SF	\$40.00	63,375	\$2,535,000.00	126,750	\$5,070,000.00
Street Lighting	EA	\$10,000.00	0	\$0.00	4	\$40,000.00
Storm Sewer Main Line Structures	EA	\$5,000.00	0	\$0.00	50	\$250,000.00
Storm Sewer Main Line Improvements	FT	\$185.00	0	\$0.00	12,410	\$2,295,900.00
Storm Sewer Lateral Structures	EA	\$3,000.00	0	\$0.00	66	\$198,000.00
Storm Sewer Lateral Improvements	FT	\$125.00	0	\$0.00	1,580	\$197,500.00
Parkway Trees	EA	\$640.00	0	\$0.00	899	\$575,200.00
Resurfacing	SY	\$35.00	50,779	\$1,777,300.00	50,779	\$1,777,300.00
			Subtotal:	\$4,793,900.00	•	\$13,611,500.00
		Col	ntingency (20%):	\$958,780.00		\$2,722,300.00
Note: Surrounding incorporated		TOTA	AL SUBAREA 2:	\$5,752,680.00	;	\$16,333,800.00

Note: Surrounding incorporated communities include Des Plaines, Glenview, and Niles.



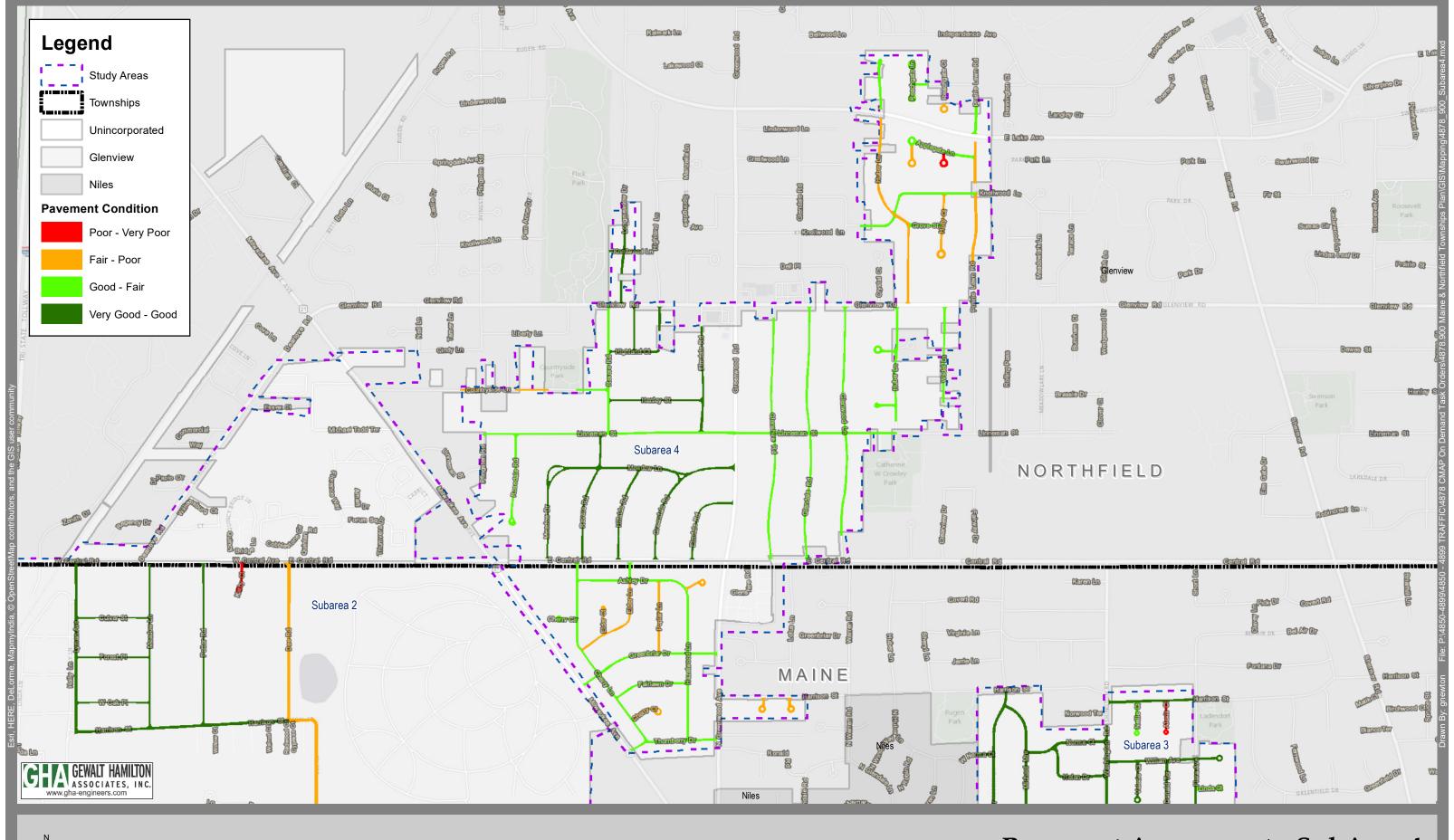


Pavement Assessment - SubArea 3

			Low End		High End	
Item Description	Unit	Unit Value	Quantity	Low End Value	Quantity	High End Value
Road Widening	SY	\$100.00	0	\$0.00	12,444	\$1,244,500.00
Road Widening (Collector)	SY	\$100.00	733	\$73,300.00	3,499	\$350,000.00
Curb and Gutter	FT	\$60.00	0	\$0.00	0	\$0.00
Sidewalk Improvements	SF	\$40.00	77,420	\$3,096,800.00	154,840	\$6,193,600.00
Street Lighting	EA	\$10,000.00	0	\$0.00	4	\$40,000.00
Storm Sewer Main Line Structures	EA	\$5,000.00	0	\$0.00	0	\$0.00
Storm Sewer Main Line Improvements	FT	\$185.00	0	\$0.00	0	\$0.00
Storm Sewer Lateral Structures	EA	\$3,000.00	0	\$0.00	0	\$0.00
Storm Sewer Lateral Improvements	FT	\$125.00	0	\$0.00	0	\$0.00
Parkway Trees	EA	\$640.00	0	\$0.00	1,365	\$873,600.00
Resurfacing	SY	\$35.00	78,383	\$2,743,400.00	78,383	\$2,743,400.00
			Subtotal:	\$5,913,500.00	•	\$11,445,100.00
		Co	ntingency (20%):	\$1,182,700.00		\$2,289,020.00
Note: Surrounding incorporated		TOTA	AL SUBAREA 3:	\$7,096,200.00	:	\$13,734,120.00

Note: Surrounding incorporated communities include Morton Grove, Glenview, and Niles.



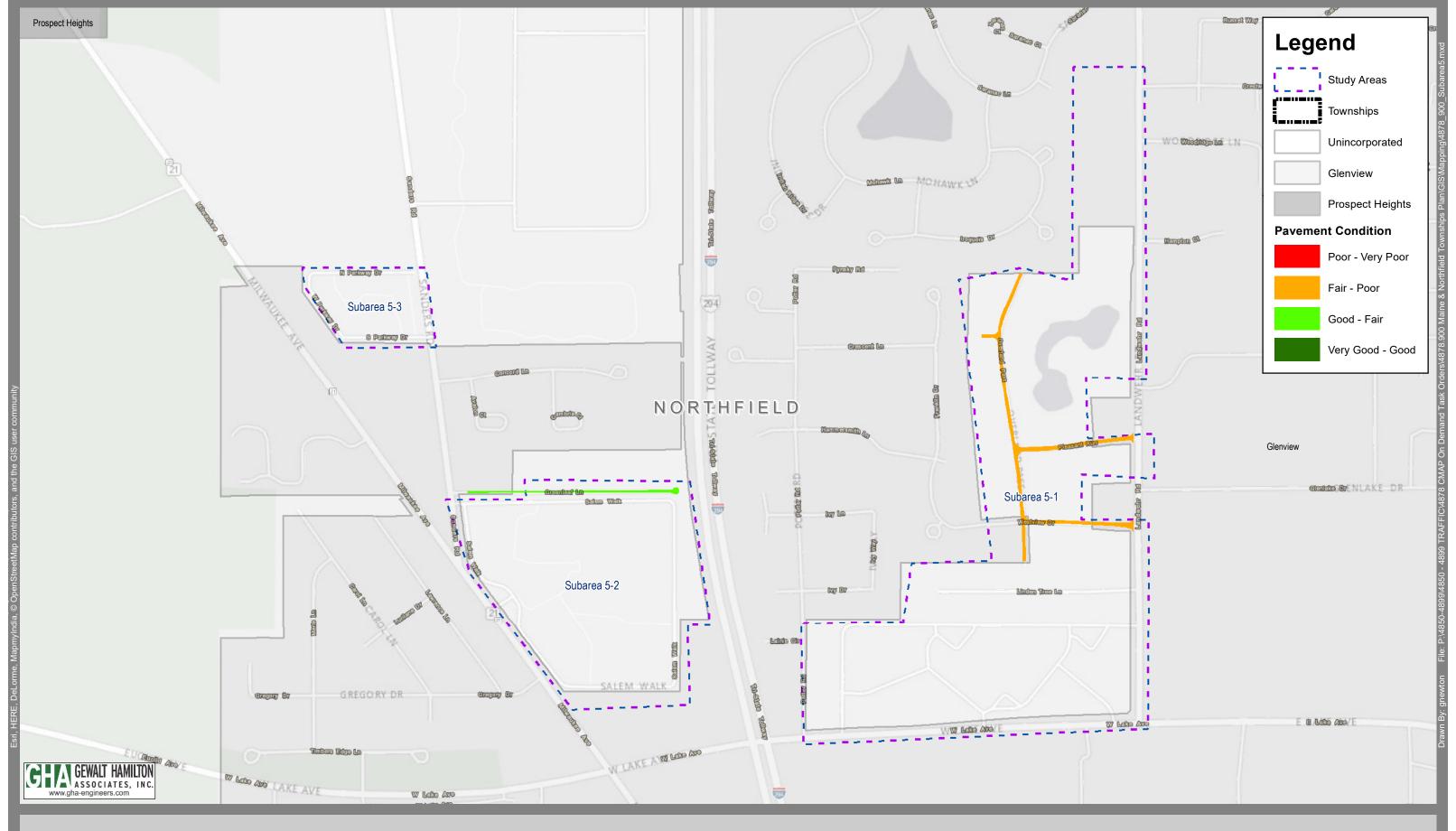


1 inch = 900 Feet Pavement Assessment - SubArea 4

Item Description	Unit	Unit Value	Low End Quantity	Low End Value	High End Quantity	High End Value
Road Widening	SY	\$100.00	24,863	\$2,486,300.00	62,301	\$6,230,100.00
Curb and Gutter	FT	\$60.00	0	\$0.00	62,198	\$3,731,900.00
Sidewalk Improvements	SF	\$40.00	228,930	\$9,157,200.00	457,860	\$18,314,400.00
Street Lighting	EA	\$10,000.00	0	\$0.00	94	\$940,000.00
Storm Sewer Main Line Structures	EA	\$5,000.00	0	\$0.00	16	\$80,000.00
Storm Sewer Main Line Improvements	FT	\$185.00	0	\$0.00	2,350	\$434,800.00
Storm Sewer Lateral Structures	EA	\$3,000.00	0	\$0.00	38	\$114,000.00
Storm Sewer Lateral Improvements	FT	\$125.00	0	\$0.00	910	\$113,800.00
Parkway Trees	EA	\$640.00	0	\$0.00	2,407	\$1,540,300.00
Resurfacing	SY	\$35.00	110,892	\$3,881,300.00	110,892	\$3,881,300.00
		Col	Subtotal: ntingency (20%):	\$15,524,800.00 \$3,104,960.00		\$35,380,600.00 \$7,076,120.00
Note: Surrounding incorporated			AL SUBAREA 4:	\$18.629.760.00		\$42.456.720.00

Note: Surrounding incorporated communities include Glenview.







## Pavement Assessment - SubArea 5

			Low End		High End	
Item Description	Unit	Unit Value	Quantity	Low End Value	Quantity	High End Value
Road Widening	SY	\$100.00	2,946	\$294,600.00	5,879	\$587,900.00
Curb and Gutter	FT	\$60.00	0	\$0.00	7,542	\$452,600.00
Sidewalk Improvements	SF	\$40.00	18,855	\$754,200.00	37,710	\$1,508,400.00
Street Lighting	EA	\$10,000.00	0	\$0.00	12	\$120,000.00
Storm Sewer Main Line Structures	EA	\$5,000.00	0	\$0.00	17	\$85,000.00
Storm Sewer Main Line Improvements	FT	\$185.00	0	\$0.00	3,775	\$698,400.00
Storm Sewer Lateral Structures	EA	\$3,000.00	0	\$0.00	20	\$60,000.00
Storm Sewer Lateral Improvements	FT	\$125.00	0	\$0.00	480	\$60,000.00
Parkway Trees	EA	\$640.00	0	\$0.00	189	\$120,700.00
Resurfacing	SY	\$35.00	7,948	\$278,200.00	7,948	\$278,200.00
			Subtotal:	\$1,327,000.00	,	\$3,971,200.00
		Cor	ntingency (20%):	\$265,400.00		\$794,240.00
Note: Surrounding incorporated		TOTA	AL SUBAREA 5:	\$1,592,400.00	;	\$4,765,440.00

communities include Glenview.



# APPENDIX Field Investigations



Maine-Northfield Unincorporated Area Plan Chicago Metropolitan Agency for Planning (CMAP) CMAP Contract #: C-17-0020 GHA Project #: 4878-900

Date: 6/12/2017 Prepared by: Lucas Deferville Checked by: William Grieve

ecked by: William Grieve																								1	lainline Storm	Sewer Improvement	nts		Lateral Storm S	ewer Improvements	ř.		
gment ID Township	Subarea No. Street Name	From Street	To Street	Length (FT)	Pavement Width (FT)	Back to Back Width (FT)	Roadway - Low End (SY) F	Roadway - ligh End (SY)	Area (SY)	Surface Type	Pavement Condition		Curb & Gutter - Low End (FT)	Curb & Gutter - High End (FT)	Sidewalk	Sidewalk - Low : End (SF)	Sidewalk - High Si	dewalk Width (FT)	Sidewalk Condition	Lighting	Lighting - Low End (EA)	Lighting - High End (EA)	Storm Sewer	Structures - Low End (EA)	Structures - Hi	igh Storm Sewer - Low End (FT)		er - Structures - Lov FT) End (EA)				Parkway Trees	s - Parkway Trees
10 Maine	Hollyberry Avenue	Twin Oaks Lane	Cedar Lane	704	20	22	2011 2114 (01)	ngn Ena (01)	2.603.3	Hot-Mix Asphalt Ve		V	LOW LING (1 1)	• , ,	.,	zna (or )	Liid (Oi )	(,	Good - Fair (ADA)	V	Liid (Lii)	Liid (Lii)	V	Liiu (Lii)	Liid (Lit)	Low Line (i 1)	mgn zna (	, (2.1)	Liid (Lity	2011 2.110 (1 1)	g 2 ( /	LOW LING (LIV)	riigii Liid (L)
25 Maine	1 Noel Avenue	Potter Road	Sumac Lane	542	32	35			1.927.1		Good - Fair	Yes			Yes	2,710	5,420	4	Good - Fair (ADA)	Yes			- res - Yes				:						
100 Maine	1 Lyons Street	Western Avenue	Greenwood Avenue	1.271	22	22	565	1.553	3.106.9	Hot-Mix Asphalt	Fair - Poor	No		2.542		6.355	12.710		0000 1 011 (11011)	Yes			- Yes										
105 Maine	1 Greenwood Drive	N Greenwood Drive		1,954	22	22	868	2,388		Hot-Mix Asphalt	Fair - Poor	No		3,908	No	9,770	19,540			Yes			- Yes										
115 Maine	<ol> <li>Church Street</li> </ol>	Potter Road	Municpal Boundary	2,331	34	37			8,806.0	Hot-Mix Asphalt	Fair - Poor	Yes	-		Yes			5	Good - Fair (ADA)	Yes			- Yes				-		-	-			-
20 Maine	<ol> <li>Rancho Lane</li> </ol>	Ballard Road	South End	608	23	23	203	676	1,553.8	Hot-Mix Asphalt	Good - Fair	No	-	1,216	No	3,040	6,080			Yes		-	<ul> <li>Partial</li> </ul>	-		2	-	305	-	4	- 9	.5	-
125 Maine	<ol> <li>Kennedy Drive</li> </ol>	Church Street	Ballard Road	1,189	38	41			5,020.2	Hot-Mix Asphalt	Fair - Poor	Yes	-	-	Yes	5,945	11,890	4	Good - Fair (ADA)	Yes		-	- Yes			-	-		-	-	-	-	-
130 Maine	1 Robin Drrive	Ballard Road	Dempster Street	1,284	30	33			4,280.0	Hot-Mix Asphalt	Good - Fair	Yes	-	-	Yes	6,420	12,840	4	Good - Fair (ADA)	Yes		-	- Yes	-			-	-	-	-	-	-	-
135 Maine	1 Davis Street	Western Avenue	Greenwood Avenue	1,254 839	21	24	279	1,254		Hot-Mix Asphalt Hot-Mix Asphalt	Fair - Poor	Yes	-		No	6,270	12,540			Yes			- Yes			-	-		-	-	*	-	-
140 Maine 145 Maine	Chester Avenue     Western Avenue	Ballard Road Ballard Road	Davis Street Munipal Boundary	839 297	24	2/	33	559 264	2,237.3 825.0	Hot-Mix Asphalt	Good - Fair Good - Fair	Yes No.	-	594	No No	4,195 1,485	8,390 2,970			Yes		-	- Yes				-		-	-			
145 Maine 150 Maine	1 Vestern Avenue 1 Church Street	Western Avenue	Greenwood Avenue	1,246	25 30	25 30	33	204 415			erv Good - Fair	No No		2.492		1,485	2,970	5	Good - Fair (ADA)	Yes Vee		-	- Yes				1		-	1		-	
155 Maine	1 Meadow Lane	Noel Avenue	Emerson Street	1,240 864	30	33		413	2.880.0	Hot-Mix Asphalt	Fair - Poor	Vec		2,432	No.	4.320	8.640	J	Good - Fall (ADA)	Vae			- 165 - Vac								_		
150 Maine	Delphia Avenue	Municipal Boundary		2.177	21	21	1.209	2.903		Hot-Mix Asphalt	Fair - Poor	No		4.354	No.	10.885	21,770			Yes			- Yes										
155 Maine	1 Knight Avenue	Municipal Boundary		2.463	21	21	1,368	3.284	5.747.0	Hot-Mix Asphalt	Fair - Poor	No		4.926	No	12.315	24,630			Yes			- Yes										-
460 Maine	1 Lincoln Avenue	Municipal Boundary		1,922	22	22	854	2,349	4,698.2	Hot-Mix Asphalt	Fair - Poor	No		3,844	Yes	-		5	Good - Fair (ADA)	No		- 1	2 Yes				-			-			
65 Maine	<ol> <li>Western Avenue</li> </ol>	Municipal Boundary	Church Street	1,050	31	34			3,616.7	Hot-Mix Asphalt	Good - Fair	Yes	-		Yes			5	Good - Fair (ADA)	Yes			- Yes				-		-	-		-	
470 Maine	1 Clancy Drive	Kathy Lane	Western Avenue	1,507	29	32		167	4,855.9	Hot-Mix Asphalt	Fair - Poor	Yes			Yes			5	Good - Fair (ADA)	Yes			- Yes			-	-		-	-			
480 Maine	<ol> <li>Lyons Street</li> </ol>	Hamlin Avenue	Parkside Avenue	704	30	33			2,346.7	Hot-Mix Asphalt	Good - Fair	Yes			Yes		-	5	Good - Fair (ADA)	Yes		-	- Yes			-	-		-	-		-	
485 Maine	<ol> <li>Home Circle</li> </ol>	West End	Home Avenue	175	29	32		19		Hot-Mix Asphalt	Good - Fair	Yes			Yes			5	Good - Fair (ADA)	Yes		-	- Yes			-	-		-	-		-	-
190 Maine	1 Home Court	West End	Home Avenue	175	29	32		19		Hot-Mix Asphalt	Good - Fair	Yes	-	-	Yes		-	5	Good - Fair (ADA)	Yes		-	- Yes			-	-		-	-		-	-
495 Maine	1 Home Terrace	West End	Home Avenue	175 1.633	29	32		19	563.9	Hot-Mix Asphalt	Good - Fair	Yes	-		Yes		-	5	Good - Fair (ADA)	Yes		-	- Yes			-	-		-	-		-	-
500 Maine 505 Maine	1 Parkside Avenue 1 Emerson Street	Kathy Lane Hamlin Avenue	Church Street Parkside Avenue	1,633 708	30	33	70	700	5,443.3 2.360.0	Hot-Mix Asphalt Ve Hot-Mix Asphalt	ery Good - Good Good - Fair	Yes			Yes			5	Good - Fair (ADA) Good - Fair (ADA)	Yes			- Yes							-			
505 Maine 510 Maine	1 Emerson Street 1 Home Avenue	Emerson Street	Lyons Street	1.172	30	33	79	708	3,906.7		Good - Fair	Yes			Yes			5	Good - Fair (ADA)	Yes			- Yes			•		•					
515 Maine	1 Barberry Lane	Twin Oaks Lane	Cedar Lane	819	30	33			2,730.0	Hot-Mix Asphalt Ve		Yes			Yes			5	Good - Fair (ADA)	Yes			- tes - Yes				:						
20 Maine	1 Fern Lane	Barberry Lane	Church Street	408	30	33			1.360.0	Hot-Mix Asphalt Ve		Yes			Yes			5	Good - Fair (ADA)	Yes			- Yes				-				_		
25 Maine	1 Cedar Lane	Barberry Lane	Church Street	392	30	33			1.306.7		ery Good - Good	Yes			Yes			5	Good - Fair (ADA)	Yes			- Yes										
30 Maine	1 Twin Oaks Lane	Barberry Lane	Church Street	392	30	33			1,306.7	Hot-Mix Asphalt Ve	ery Good - Good	Yes			Yes			5	Good - Fair (ADA)	Yes			- Yes				-			-			
i35 Maine	<ol> <li>Maple Lane</li> </ol>	Barberry Lane	Church Street	408	30	33			1,360.0	Hot-Mix Asphalt Ve	ery Good - Good	Yes			Yes			5	Good - Fair (ADA)	Yes			- Yes			-	-		-	-			
40 Maine	<ol> <li>Aspen Lane</li> </ol>	Barberry Lane	Church Street	395	30	33			1,316.7	Hot-Mix Asphalt	Good - Fair	Yes	-	-	Yes		-	5	Good - Fair (ADA)	Yes		-	- Yes	-		-	-	-	-	-	-	-	-
45 Maine	<ol> <li>Barberry Lane</li> </ol>	Aspen Drive	Aspen Lane	302	30	33			1,006.7	Hot-Mix Asphalt	Good - Fair	Yes			Yes		-	5	Good - Fair (ADA)	Yes		-	- Yes			-	-		-	-		-	
50 Maine	1 Aspen Drive	Church Street	Barberry Lane	395	30	33			1,316.7	Hot-Mix Asphalt	Good - Fair	Yes			Yes			5	Good - Fair (ADA)	Yes		-	- Yes			-	-		-	-		-	-
55 Maine	1 Noel Avenue	Meadow Lane	Potter Road	445 843	30	33			1,483.3	Hot-Mix Asphalt	Fair - Poor	Yes			Yes		-	5	Good - Fair (ADA)	Yes		-	- Yes			-	-		-	-		-	-
560 Maine	1 Ironwood Lane	Noel Avenue	Emerson Street	1.304	30	33		000	2,810.0	Hot-Mix Asphalt Hot-Mix Asphalt	Fair - Poor	Yes			Yes			5	Good - Fair (ADA)	Yes			- Yes										
565 Maine 570 Maine	1 Dee Road 1 Margail Court	Emerson Street Emerson Street	Church Street South End	632	33 24	36 27		869 421	4,781.3 1.685.3	r rot mist r toprion	Good - Fair Good - Fair	Yes Yes			Yes			5	Good - Fair (ADA) Good - Fair (ADA)	Yes			- Yes							-			
575 Maine	1 Emerson Street	Potter Road	Hamlin Avenue	2,558	29	31	853		7,958.2	Hot-Mix Asphalt	Good - Fair	Vec			Vac			5	Good - Fair (ADA)	Vae			- 165 - Vac										
580 Maine	1 Margail Street	Noel Avenue	Emerson Street	966	24	27	000	644		Hot-Mix Asphalt	Good - Fair	Yes			No.	4.830	9,660	5	Good - Fair (ADA)	Yes			- Yes										-
85 Maine	1 Dee Road	Golf Road	Emerson Street	1.247	37	40		277		Hot-Mix Asphalt	Fair - Poor	Yes			No	6.235	12,470		Good - Fair (ADA)	Yes			- Yes							-			
590 Maine	1 Sumac Lane	Golf Road	Emerson Street	1,225	32	35			4,355.6	Hot-Mix Asphalt	Good - Fair	Yes			Yes	-	-	5	Good - Fair (ADA)	Yes			- Yes										
595 Maine	1 Terrace Place	Golf Road	Hamlin Avenue	1,566	27	30		522	4,698.0	Hot-Mix Asphalt	Fair - Poor	Yes	-		Yes			5	Good - Fair (ADA)	Yes			- Yes				-		-	-		-	
00 Maine	<ol> <li>West Oaks Avenue</li> </ol>	Dee Road	Hamlin Avenue	1,297	30	33			4,323.3		ery Good - Good	Yes			Yes			5	Good - Fair (ADA)	Yes			- Yes							-			
5 Maine	<ol> <li>Hamlin Avenue</li> </ol>	Terrace Place	Church Street	990	30	33			3,300.0	Hot-Mix Asphalt Ve		Yes	-		Yes	-	-	5		Yes		-	- Yes	-		-		-	-	-		-	-
0 Maine	1 Twin Oaks Lane	Hollyberry Avenue		338	30	33			1,126.7	Hot-Mix Asphalt Ve		Yes			Yes			5		Yes		-	- Yes			-			-	-		-	-
5 Maine	1 Cedar Lane	Hollyberry Avenue		338	30	33			1,126.7	Hot-Mix Asphalt Ve		Yes	-	-	Yes		-	5		Yes		-	- Yes	-		-		-	-	-		-	-
Maine	1 Fern Lane	Hollyberry Avenue		343	30	33			1,143.3		ery Good - Good	Yes	-	-	Yes		-	5		Yes		-	- Yes	-		-		-	-	-		-	-
5 Maine 0 Maine	1 Maple Lane 1 Dee Road	Hollyberry Avenue Ballard Road		343 1,296	30 18	33 10	1,152	2,160	1,143.3 2.592.0		ery Good - Good	Yes		2.592	Yes No	6,480	12,960	5		Yes		-	- Yes			-		-	-	-		-	-
u maine 5 Maine	1 Dee Road 1 Bobbi Lane	Howard Court	Dempster Street East End	1,296 554	20	10	1,152	2,160	1,231.1	Hot-Mix Asphalt	Good - Fair Fair - Poor	INU Vae	-	2,592	N0 Yes	6,480 2,770	12,960 5,540	4	Good - Fair (ADA)	Tes Vac		-	- tes - Vac						-	1	-		
0 Maine	1 Howard Court	Bobbi Lane	Dempster Street	630	20	25	70	560	1,231.1	Hot-Mix Asphalt	Good - Fair	Yes			No.	3,150	6,300	*	OUU - Fall (MDM)	Yes			- Yes			-					_	-	-
5 Maine	1 Oak Avenue	Terrace Place	Emerson Street	419	27	30	70	140	1,257.0	Hot-Mix Asphalt	Fair - Poor	Yes			Yes	2,095	4,190	3	Good - Fair (ADA)	Yes			- Yes							-			-
0 Maine	1 Sherry Lane	Hamlin Avenue	Park Lane	438	27	30		146	1,314.0	Hot-Mix Asphalt	Good - Fair	Yes			Yes	2,190	4,380	3	Good - Fair (ADA)	Yes			- Yes										
5 Maine	1 Park Lane	Golf Road	Terrace Place	959	27	30		320	2,877.0	Hot-Mix Asphalt	Fair - Poor	Yes			Yes	4,795	9,590	3	Good - Fair (ADA)	Yes			- Yes			-		-	-	-		-	-
) Maine	<ol> <li>S Greenwood Drive</li> </ol>	Greenwood Circle	Municipal Boundary	185	20	20	123	267	411.1	Hot-Mix Asphalt	Fair - Poor	No		370	No	925	1,850		. ,	Yes			- Yes							-			
Maine	<ol> <li>N Greenwood Drive</li> </ol>	Elm Drive	Greenwood Drive	396	22	22	176	484	968.0	Hot-Mix Asphalt	Fair - Poor	No	-	792	No	1,980	3,960			Yes		-	- Yes	-		-		-	-	-	-	-	-
Maine	<ol> <li>Noel Avenue</li> </ol>	Sumac Lane	Dee Road	635	22	25	71	564	1,552.2		Good - Fair	Yes	-		Yes	3,175	6,350	4.5	Good - Fair (ADA)	No		- :		-		-		-	-	-		-	-
Maine	<ol> <li>Sanders Drive</li> </ol>	Parkside Avenue	Clancy Drive	287	29	32		32	924.8	Hot-Mix Asphalt P	oor - Very Poor	Yes			No	1,435	2,870			Yes		-	- Yes			-			-	-		-	-
			Subtotal Subarea 1:	52,066			7,156	22,747	138,623.3				0	27,630		113,770	227,540					0 4	4	0		2	0	305	0	4 (	J 9	.5	0 2,
							004		00.000																								

4,981 20,226



Maine-Northfield Unincorporated Area Plan Chicago Metropolitan Agency for Planning (CMAP) CMAP Contract #: C-17-0020 GHA Project #: 4878.900

	r: William Griev																										Mainline Storm	Sewer Improveme	nts		Lateral Sto	rm Sewer Improvements			
Segment I	D Township	Subare No.	a Street Name	From Street	To Street	Length (FT)	Pavement Width (FT)	Back to Back Width (FT)	Roadway - Low End (SY)	Roadway - High End (SY)	Area (SY)	Surface Type	Pavement Condition	Curb & Gutter	Curb & Gutter - ( Low End (FT)	Curb & Gutter - High End (FT)	Sidewalk	Sidewalk - Low End (SF)	Sidewalk - High End (SF)	Sidewalk Width (FT)	Sidewalk Condition	Lighting	Lighting - Low End (EA)	Lighting - High End (EA)	Storm Sewer	Structures - Low End (EA)	Structures - Hig End (EA)	gh Storm Sewer Low End (FT	<ul> <li>Storm Sewe</li> <li>High End (F</li> </ul>	er - Structures - L T) End (EA)	ow Structures End (E	- High Storm Sewer - A) Low End (FT)	Storm Sewer - High End (FT)	Parkway Trees - Low End (EA)	
5	Maine	2	Lyman Avenue	Central Road	Harrison Street	1,715	26	26		1,334	4,954.4	Hot-Mix Asphalt	Very Good - Good	No		3,430	No	8,575	17,150	_	01.5(101)	Yes		-	No			6	- 1	,715		18	- 430		- 8
40	Maine Maine	2	Harrison Street Kathy Court	Lyman Avenue Central Road	Dee Road South End	2,221 295	28	31	66	494 295	6,909.8 796.7	Hot-Mix Asphalt	Poor Von Poor	Yes		2,221	Yes	1.475	2,950	5	Good - Fair (ADA)	Yes			Partial			4	- 1,	110	-	10	- 240		117
80	Maine	2	Gregory Lane	Greenwood Avenue		1,319	30	33	00	250	4 396 7	Hot-Mix Asphalt	Fair - Poor	Yes		390	Yes	6,595	13,190	4	Good - Fair (ADA)	Yes			Yes			-		250		-	-	-	- 6
110	Maine	2	Oak Lane	Linnea Lane	Golf Road	1,435	25	25	159	1,276	3,986.1	Hot-Mix Asphalt	Very Good - Good	No		2,870	No	7,175	14,350			Yes			No			5	- 1.	,435		4	- 6	5	- 7
160	Maine	2	Teela Lane	East River Road	West End	589	21	21	327	785	1,374.3	Hot-Mix Asphalt	Good - Fair	No		1,178	No	2,945	5,890			Yes		-	No			2	-	590	-	4	. 9	5	- 2
440	Maine	2	Lois Drive	Gregory Lane	South End	454	30	33			1,513.3	Hot-Mix Asphalt	Good - Fair	Yes		-	Yes	2,270	4,540	4	Good - Fair (ADA)	Yes	-	-	Yes			-	-			-		-	- 2
445	Maine	2	Josephine Avenue	Lois Drive	Gregory Lane	359	30	33			1,196.7	Hot-Mix Asphalt	Good - Fair	Yes		-	Yes	1,795	3,590	4	Good - Fair (ADA)	Yes			Yes			-	-	-	-	-			- 1
675 680	Maine Maine	2	Unmarked Linnea Lane	North End West End	South End Unmarked	100 1,052	18	18	89 468	107	200.0	Hot-Mix Asphalt	Very Good - Good	No No		2104	No No	500 5,260	1,000 10,520			NO Voe		4	No No			2 A	1	050	-	6	. 1/		1
685	Maine	2	Potter Road	Central Road	Harrison Street	1.643	23	23	548	1,200	4 198 8	Hot-Mix Asphalt	Very Good - Good	No.		3.286	No	8.215	16,430			Yes			Partial			4		845	-	2	- F	0	- 8
690	Maine	2	Dee Road	Harrison Street	Heathwood Dr	1,523	28	31	508	1,861	4,738.2	Hot-Mix Asphalt	Fair - Poor	Yes		1,523	Yes		-	5	Good - Fair (ADA)	Yes			Yes							-		-	- 7
695	Maine	2	Meadow Lane	Central Road	Harrison St	1,548	23	23	516	1,720	3,956.0	Hot-Mix Asphalt	Very Good - Good	No		3,096	No	7,740				Yes		-	No			6	- 1,	,550	-	14	- 335	5	- 7
700	Maine	2	Culver Street	Lyman Avenue	Meadow Ln	702	20	20	468	1,014	1,560.0	Hot-Mix Asphalt	Very Good - Good	No		1,404	No	3,510	7,020			Yes	-	-	No			3	-	700	-	-			- 3'
705	Maine	2	Oak Place	Lyman Avenue	Meadow Ln	736	20	20	491	1,063	1,635.6	Hot-Mix Asphalt	Very Good - Good	No		1,472	No	3,680	7,360			Yes		-	No			3	-	735	-	-			. 3
710	Maine Maine	2	Forest Place Dee Road	Lyman Avenue Harrison Street	Meadow Ln Central Road	1 555	20 30	20 30	485 691	1,052	1,617.8	Hot-Mix Asphalt	Very Good - Good Very Good - Good	NO No		1,456 1,555	NO Vac	3,640	7,280	5	Good - Fair (ADA)	Yes			No No			5	. 1	73U 555		4	- (		3
	mano	-	Dec Nodu	Harrison Oreec	Subtotal Subarea 2:	14,896	50	30	3,616	12,310	40,857.7	т юених лариах	very 0000 - 0000	140	0	26,385		63,375	126,750	3	0004 - 1 all (ADA)	163	0	4	140			50	0 12	2,410	0	66 (	0 1,580	an .	0 80
				Collec	tor Subtotal Subarea 2:				1,199						•	20,303		05,515	120,130				·	•		`		••	. 12	***	·	••	1,500		03.

Maine-Northfield Unincorporated Area Plan Chicago Metropolitan Agency for Planning (CMAP) CMAP Contract #: C-17-0020 GHA Project #: 4878.900

epared by: Lucas Defen necked by: William Griev																										Mainline Storm	Sewer Improvement	5		Lateral Storm Se	wer Improvements		
gment ID Township	Subarea No.	a Street Name	From Street	To Street	Length (FT)	Pavement Width (FT)		Roadway - Low End (SY)	Roadway - High End (SY)	Area (SY)	Surface Type	Pavement Condition		Curb & Gutter - C	urb & Gutter - ligh End (FT)	Sidewalk	Sidewalk - Low End (SF)	Sidewalk - High End (SF)	Sidewalk Widtl	n Sidewalk Condition	Lighting	Lighting - Low End (EA)	Lighting - High End (EA)	Storm Sewer		Structures - Hig End (EA)	gh Storm Sewer - Low End (FT)	Storm Sewer - High End (FT)	Structures - Lo	v Structures - High End (EA)	Storm Sewer - Low End (FT)	Parkway Tree: Low End (EA	s - Parkway Trees - A) High End (EA)
30 Maine	3	Maynard Drive	Washington Road 1	Municipal Boundary	1,595	26	20		709	4 607 8	Hot-Mix Asphalt V	/erv Good - Good	Voc			Yes			5	Very Good - Good (ADA)	Yes			Yes			_	_	_	_			. 80
35 Maine	3	Victor Avenue		Stacy Court	2 494	25.5	29		1 247	7.066.3	Hot-Mix Asphalt V		Yes			Yes	12 470	24.940	Varies (3-5)	Good - Fair (ADA)	Yes			Yes									- 12
95 Maine	3	Harrison Street		Flora Avenue	871	26	29	484	1,258	2.516.2	Hot-Mix Asphalt V		Yes			Yes	4.355			Good - Fair (ADA)	Yes			Yes									- 4
250 Maine	3	Norma Court	J	Crescent Drive	162	26	29		72	468.0	Hot-Mix Asphalt V		Yes			Yes	.,	-	5	Very Good - Good (ADA)	Yes			Yes									-
255 Maine	3	Michael Manor	Maynard Drive (	Golf Road	1.255	26	29		558	3.625.6	Hot-Mix Asphalt V	/erv Good - Good	Yes			Yes			5	Very Good - Good (ADA)	Yes			Yes									- 6
260 Maine	3	Pauline Avenue	West End (	Crescent Drive	144	26	29		64	416.0	Hot-Mix Asphalt V	ery Good - Good	Yes		-	Yes			5	Very Good - Good (ADA)	Yes			Yes						-		-	- 7
265 Maine	3	Crescent Drive	Maynard Drive 1	Michael Manor	1,208	26	29		537	3,489.8	Hot-Mix Asphalt V	/ery Good - Good	Yes		-	Yes			5	Very Good - Good (ADA)	Yes			Yes						-		-	- 6
270 Maine	3	Crescent Drive	Harrison Street 1	Maynard Drive	1,303	26	29		579	3,764.2	Hot-Mix Asphalt V	/ery Good - Good	Yes		-	Yes			5	Very Good - Good (ADA)	Yes			Yes						-		-	- 6
275 Maine	3	Norma Court	Michael Manor \	Washington Road	799	26	29		355	2,308.2	Hot-Mix Asphalt V	/ery Good - Good	Yes		-	Yes			5	Very Good - Good (ADA)	Yes			Yes						-		-	- 4
280 Maine	3	Helen Drive	Norma Court \	Washington Road	736	26	29		327	2,126.2	Hot-Mix Asphalt V	ery Good - Good	Yes		-	Yes			5	Very Good - Good (ADA)	Yes			Yes						-		-	- 3
285 Maine	3	Michael Manor	Crescent Drive 1	Maynard Drive	1,239	26	29		551	3,579.3	Hot-Mix Asphalt V	ery Good - Good	Yes		-	Yes			5	Very Good - Good (ADA)	Yes			Yes						-		-	- 6'
290 Maine	3	Maynard Court		South End	590	26	29		262		Hot-Mix Asphalt V	ery Good - Good	Yes		-	Yes			5	Very Good - Good (ADA)	Yes			Yes						-			- 3'
295 Maine	3	Washington Road	Municipal Boundary (	Golf Road	2,241	30	33	249	2,241	7,470.0	Hot-Mix Asphalt V	ery Good - Good	Yes		-	Yes				Good - Fair (ADA)	Yes			Yes						-		-	- 11'
300 Maine	3	Pauline Avenue		East End	689	25	26		536	1,913.9	Hot-Mix Asphalt F	Poor - Very Poor	Yes	-	-	Yes	3,445	6,890	3	Good - Fair (ADA)	No		- 4	Yes			-			-		-	- 3
305 Maine	3	Briarwood Lane		East End	542	23	26		422	1,385.1	Hot-Mix Asphalt V	ery Good - Good	Yes	-	-	Yes		-		Good - Fair (ADA)	Yes			Yes			-			-		-	- 2
310 Maine	3	Valerie Court		South End	474	25	28		263	1,316.7	Hot-Mix Asphalt V	ery Good - Good	Yes		-	Yes	2,370	4,740		Very Good - Good (ADA)	Yes			Yes						-		-	- 2
315 Maine	3	William Avenue	Washington Road B	East End	1,246	25	28		692	3,461.1	Hot-Mix Asphalt V	ery Good - Good	Yes	-	-	Yes	6,230	12,460		Very Good - Good (ADA)	Yes			Yes			-			-		-	- 6′
320 Maine	3	Linda Court		East End	332	24	27		221	885.3	Hot-Mix Asphalt	Good - Fair	Yes	-	-	Yes	1,660	3,320	3	Good - Fair (ADA)	Yes			Yes			-			-		-	- 1°
325 Maine	3	Donald Court		East End	304	25	26		236	844.4	Hot-Mix Asphalt	Good - Fair	Yes	-	-	Yes	1,520		3	Good - Fair (ADA)	Yes			Yes			-			-		-	- 1'
330 Maine	3	Flora Avenue		Victor Avenue	866	24	27		577	2,309.3		ery Good - Good	Yes		-	Yes	4,330	8,660	3	Good - Fair (ADA)	Yes			Yes			-			-		-	- 4
335 Maine	3	Donald Terrace		Flora Avenue	848	25	28		471	_,	Hot-Mix Asphalt V	ery Good - Good	Yes		-	Yes	4,240	8,480	3	Very Good - Good (ADA)	Yes			Yes			-			-		-	- 4'
345 Maine	3	Allison Court		Julie Drive	337	25	28		187	936.1	Hot-Mix Asphalt	Fair - Poor	Yes		-	Yes	1,685	3,370		Good - Fair (ADA)	Yes			Yes			-			-		-	- 1
350 Maine	3	Gayle Court		Julie Drive	323	26	29		144		Hot-Mix Asphalt	Good - Fair	Yes		-	Yes	1,615	3,230		Good - Fair (ADA)	Yes			Yes			-			-		-	- 1/
355 Maine	3	Stacy Court		Golf Road	1,183	26	29		526		Hot-Mix Asphalt	Fair - Poor	Yes		-	Yes	5,915	11,830	3	Good - Fair (ADA)	Yes			Yes			-			-		-	- 5°
360 Maine	3	Fernwood Drive		Stacy Court	1,269	26	29		564		· · · · · · · · · · · · · · · · · · ·	ery Good - Good	Yes		-	No	6,345	12,690			Yes			Yes			-			-		-	- 6
365 Maine	3	James Street		Fernwood Drive	1,027	24	27		685			ery Good - Good	Yes		-		5,135	10,270			Yes			Yes			-			-		-	- 51
370 Maine	3	Julie Drive		Golf Road	1,262	25	28		701	3,505.6	Hot-Mix Asphalt	Good - Fair	Yes		-	Yes	6,310			Good - Fair (ADA)	Yes			Yes						-		-	- 6
375 Maine	3	Pauline Avenue		Washington Road	793	26	29		352		· · · · · · · · · · · · · · · · · · ·	ery Good - Good	Yes		-	Yes	3,965	7,930		Very Good - Good (ADA)	Yes			Yes			-			-		-	- 4
380 Maine	3	Alexis Court		South End	390	26	29		173		r tot mix rioprioit	Poor - Very Poor	Yes		-	Yes	1,950	3,900	2.5	Good - Fair (ADA)	Yes			Yes			-			-		-	- 2
385 Maine	3	Nellie Court		South End	384	26	29		171		Hot-Mix Asphalt	Good - Fair	Yes		-	Yes	1,920	3,840	3	Very Good - Good (ADA)	Yes			Yes			-			-		-	- 19
Maine	3	Fernwood Drive		Municipal Boundary	392	24	27		261	1,045.3	Hot-Mix Asphalt V	ery Good - Good	Yes			No	1,960	3,920			Yes			Yes						-		-	- 2
			:	Subtotal Subarea 3:	24,186			0	12,444	68,396.6				0	0		77,420	154,840				(	) 4		(		0	)	)	0 (		0	0 1,365
			Collector	Subtotal Subarea 3:	3,112			733	3,499	9,986																							

Maine-Northfield Unincorporated Area Plan Chicago Metropolitan Agency for Planning (CMAP) CMAP Contract #: C-17-0020 GHA Project #: 4878.900

Checked by: William Gr	eve																					М	ainline Storm Sewer	S		Lateral Storm Sewer Improvements								
	Subarea				Pavement Width	Back to Back	Roadway - F	Roadway -		Par	vement		Curb & Gutter - C	urb & Gutter -		Sidewalk - Low S	Sidewalk - High S	idewalk Width			Lighting - Low	Lighting - High		Structures - Low S	ructures - High St	Storm Sewer -	Storm Sewe	r - Structures - Low	Structures - High	Storm Sewer -	Storm Sewer -	Parkway Trees	s - Parkway Trees	š -
Segment ID Townsl	ip No. Street Name	From Street	To Street	Length (FT)	(FT)	Width (FT)	Low End (SY) Hig	gh End (SY)	Area (SY)	Surface Type Co	ndition	Curb & Gutter	Low End (FT)	ligh End (FT)	Sidewalk	End (SF)	End (SF)	(FT)	Sidewalk Condition	Lighting	End (EA)	End (EA)	Storm Sewer	End (EA)	End (EA) L	Low End (FT)	High End (F	T) End (EA)	End (EA)	Low End (FT)	High End (FT)	Low End (EA)	) High End (EA)	)
15 Northfie	ld 4 Revere Road	Glenview Road	Linneman Street	1,284	20	20	856			Hot-Mix Asphalt Gor	od - Fair	No		2,568	No	6,420	12,840			Yes			- Partial		3			645	16	3 -	385	5		64
45 Main		West End	Greenwood Avenue	1,429	20	21	794				od - Fair	Yes	-	-	Yes	7,145	14,290	3	Good - Fair (ADA)	Yes	-		- Yes		-			-				-	- '	71
50 Main		Central Road	Thornberry Drive	2,050	20	21	1,139				od - Fair	Yes	-	-	Yes	10,250	20,500	3	Good - Fair (ADA)	Yes	-		- Yes		-								- 10	03
55 Northfie 60 Northfie		Revere Road Central Road	Municipal Boundary Greenwood Avenue	257 823	17	17	257 823	457 1.463		riot mist riophiait rai	ir - Poor iood - Good	No No		514 1 646	No No	1,285 4,115	2,570			No No		-	2 No	-	2			255				*	- '	13
Northfie Northfie		Greenwood Road	Municipal Boundary	1,578	21	21	877				nd - Fair	No.		3,156	Yes	4,115	8,230	5	Good - Fair (ADA)	No No			4 165 Δ Yes											79
65 Northfie		Pfingston Road	Greenwood Ave	2,516	20	20	1,677			Hot-Mix Asphalt God	od - Fair	No		5,032	No	12,580	25,160	-		Yes			- Yes										- 1	126
70 Main	4 Ashley Drive	Cherry Lane	Hazelwood Ct	1,136	20	21	631	1,515	2,524.4 I	Hot-Mix Asphalt Gor	od - Fair	Yes		-	Yes	5,680	11,360	3	Good - Fair (ADA)	Yes			- Yes									-	- 1	57
75 Main		West End	Greenwood Avenue	863	20	21	479	1,151			od - Fair	Yes		-	Yes	4,315	8,630	3	Good - Fair (ADA)	Yes			- Yes	-	-							-	- /	43
90 Main		Harrison Street	South End	253	19	22	112	309			ir - Poor	Yes		-	No	1,265	2,530			Yes	-		- Yes	-	-			-				-	- 1	13
85 Main		Harrison Street	South End	220	22	25	24	196			ir - Poor	Yes	-	-	No	1,100	2,200			Yes			- Yes		-							-	- '	11
165 Northfie 170 Northfie		Municipal Boundar Glenview Road	y Municipal Boundary Municipal Boundary	169	19	19	131 51	263 121	000.0		ir - Poor iood - Good	No No		338 182	No No	845 455	1,690 910			No Voc			- No	-	2			1/0 -				*	-	8
175 Northfie		Municipal Boundar		2.439	21	21	1.355			Hot-Mix Asphalt Go:		No No		4.878	No.	12,195	24,390			No.			- NU 2 Vac		2			90				-	1	122
180 Northfie		Glenview Road	Central Road	2,540	21	21	1,411			Hot-Mix Asphalt Gor		No.		5.080	No	12,700	25,400			No.			Δ Yes										. 1	127
185 Northfie		Glenview Road	Municipal Boundary	2,439	21	21	1,355				od - Fair	No		4,878	No	12,195	24,390			No			2 Yes										- 1	122
195 Northfie	ld 4 Wedel Lane	Glenview Road	Municipal Boundary	1,229	21	21	683	1,639		Hot-Mix Asphalt God	od - Fair	No		2,458	No	6,145	12,290			No			2 Yes									-	. 7	61
Northfie		Linneman Street	Glenview Road	1,234	21	21	686		2,010.0		iood - Good	No		2,468	No	6,170	12,340			No		1	2 Yes		-	-		-				-	- /	62
200 Northfie		East Lake Avenue		486	23	23	162	540	1,212.0	not mist riophidit oo	od - Fair	No		972	No	2,430	4,860			No	-	1	2 Yes		-			-				-	- 1	24
205 Northfie		South End	Municipal Boundary	240	21	24	53	240			ir - Poor	Yes		-	No	1,200	2,400			No		-	2 Yes	-				-					- '	12
210 Northfie 215 Northfie		North End Municipal Boundar	South End y East Lake Avenue	624 224	23	26		485 174			od - Fair od - Fair	Yes		-	No No	3,120 1,120	6,240 2,240			NO No			2 Yes											11
220 Northfie		Applegate Lane	Prairie Lawn Road	773	23	26					od - Fair	Vac			No	3.865	7,730			No.			6 Vac									_		30
225 Northfie		East Lake Avenue		2,021	23	23	674				ir - Poor	No		4.042	No	10,105	20,210			No		10	0 Yes									-	- 1	101
230 Northfie		Municipal Boundar		280	23	26		218	715.6		ood - Good	Yes		-	No	1,400	2,800			No			6 Yes										-	14
235 Northfie	ld 4 Knollwood Lane	West End	Municipal Boundary	289	23	26					ood - Good	Yes			No	1,445	2,890			No			- Yes										-	14
390 Main		Greenbriar Drive	Thornberry Drive	874	20	21	486	1,165			od - Fair	Yes		-	Yes	4,370	8,740	3	Good - Fair (ADA)	Yes			- Yes		-			-				-	- /	44
395 Main		Cherry Lane	East End	400	20	21	222	533			ir - Poor	Yes		-	Yes	2,000	4,000	3	Good - Fair (ADA)	Yes	-		- Yes	-	-			-				-	- 1	20
400 Main		Cherry Lane	Hazelwood Lane	768 294	20	21	427	1,024			od - Fair	Yes		-	Yes	3,840	7,680	3	Good - Fair (ADA)	Yes			- Yes	-				-					- 3	38
405 Main 410 Main		Ashley Drive Ashley Drive	North End Greenbriar Drive	294 746	20	21	163 414	392 995			ir - Poor ir - Poor	Yes			Yes	1,470 3,730	2,940 7,460	3	Good - Fair (ADA) Good - Fair (ADA)	Yes Voe			- Yes										1	37
415 Main		Ashley Drive	Cherry Lane	982	20	21	546				ir - Poor	Yes			Yes	4,910	9,820	3	Good - Fair (ADA)	Yes			- Yes											49
420 Main		North End	Elder Lane	297	20	21	165	396			ir - Poor	Yes			Yes	1,485	2,970	3	Good - Fair (ADA)	Yes			- Yes											15
425 Main		West End	Cherry Lane	45	20	21	25	60	100.0 I	Hot-Mix Asphalt Gor	od - Fair	Yes		-	Yes	225	450	3	Good - Fair (ADA)	Yes			- Yes									-	-	2
430 Main	4 Elder Lane	Central Road	Ashley Drive	148	20	21	82	197	328.9 H	Hot-Mix Asphalt Goo	od - Fair	Yes	-	-	Yes	740	1,480	3	Good - Fair (ADA)	Yes	-		- Yes	-	-	-						-	-	7
435 Main		Hazelwood Court	Greenbriar Drive	676	20	21	376	901	.,		od - Fair	Yes		-	Yes	3,380	6,760	3	Good - Fair (ADA)	Yes			- Yes		-			-				-	- 1	34
715 Northfie		Meadow Lane	Central Road	1,013	19	19	788 944				ood - Good	No	-	2,026 1.888	No	5,065	10,130			No		4	4 Yes					-				-		51
720 Northfie 725 Northfie		Meadow Lane Linneman Street	Central Road Central Road	1,280	17	17	944 853			Hot-Mix Asphalt Very G Hot-Mix Asphalt Very G	ood - Good	NO No		2,560	No No	4,720 6,400	9,440 12,800			NO V		4	4 Yes		-	-							- 2	4/
730 Northfie		Revere Road	Greenwood Road	1,200	20	20	762		-,	Hot-Mix Asphalt Very G		No No		2,744	No.	6,400	12,000			Vae			- res		- 4			675	1/		331	.5	- '	60
735 Northfie		Central Road	Revere Road	1,611	20	20	1.074			Hot-Mix Asphalt Very G		No		3.222	No	8.055	16,110			No		4	4 Yes		-			-	14			_	-	81
740 Northfie		Linneman Street	South End	1,000	21	21	556				od - Fair	No		2,000	No	5,000	10,000			No			2 Yes		-							-	- 1	50
745 Northfie	ld 4 Henley Street	Revere Road	Elmdale Road	962	19	19	748			Hot-Mix Asphalt Very G	ood - Good	No		1,924	No	4,810	9,620			Yes			- Yes									-		48
750 Northfie		Municipal Boundary		1,036	20	20	691			Hot-Mix Asphalt Very G		No	-	2,072	No	5,180	10,360			No	-	4	4 Partial		3			515	8	3 -	190	J	- /	52
760 Northfie		Revere Road	Municipal Boundary	603	21	21	335	804		Hot-Mix Asphalt Very G		No	-	1,206	No	3,015	6,030			No	-	4	4 Yes		-			-				-	- 1	30
765 Northfie		Glenview Road	Highland Lane	428 480	21	21	238	571		Hot-Mix Asphalt Very G		No	-	856	No No	2,140	4,280			Yes	-		- Yes	-	-			-				*	- 7	21
770 Northfie 775 Northfie		Municipal Boundar West End	y Municipal Boundary Huber Lane	480 217	23	26	96	373 265		Hot-Mix Asphalt Very G	ood - Good nd - Fair	Yes		434	No No	2,400 1,085	4,800 2,170			NO No			- Yes		-			-				*	- 2	11
780 Northfie		West End	Huber Lane	295	22	26	90	205		not mist riophidit oo	od - Fair od - Fair	Yes		434	No No	1,000	2,170			No.			2 res 2 Yes					-				-	-	15
785 Northfie		Knollwood Lane	Municipal Boundary	715	23	26		556			ir - Poor	Yes			No	3,575	7,150			No			2 Yes											36
790 Northfie		Knollwood Lane	Municipal Boundary	770	23	26		599			ir - Poor	Yes		-	Yes	.,		5	Good - Fair	No		-	2 Yes		-							-		39
795 Northfie	ld 4 Grove Street	S Huber Lane	Holly Lane	333	23	23	111	370	851.0 H	Hot-Mix Asphalt Goo	od - Fair	No	-	666	No	1,665	3,330			No	-	1	2 Yes									-	-	17
800 Northfie		S Huber Lane	Municipal Boundary	821	22	22	365				od - Fair	No	-	1,642	No	4,105	8,210			No	-		2 Yes		-			-				-	- /	41
805 Northfie		Municipal Boundary		373	22	22	166	456	011.0		od - Fair	No	-	746	No	1,865	3,730			No	-	1	2 Yes		-			-				-	- 1	19
810 Northfie 815 Northfie		Peachgate Lane	Municipal Boundary	151	23	26 26		117 194	000.0	Hot-Mix Asphalt Gor Hot-Mix Asphalt Poor -	od - Fair	Yes	-	-	No No	755 1.245	1,510 2.490			No No	-		- Yes	-	-			-				*	-	8
815 Northfie 820 Northfie		Applegate Road North End	South End Municipal Boundary	249 419	23	26 26					r - Poor	Yes Yes			No No	1,245 2,095	2,490 4,190			No.	-		2 Yes 2 Yes		-							-	- 1	21
825 Northfie		Applegate Road	South End	345	23	26		268			ir - Poor	Yes			No	1,725	3,450			No			2 Yes										-	17
020 14010111	· · · · · · · · · · · · · · · · · · ·	, ipproguio i totto	Subtotal Subarea 4:	0.0	20		24.863		110.892.0		,			62,198		228,930	457,860					9,			16		) 2	.350 (	38		910	.0	0 2/	407
1			Gubiolai Gubafea 4:	40,134			24,003	02,301	110,032.0				U	02,190		220,330	401,000				U	94	-	U	10	U	, 2	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	30	, ,	911		v 2,4	91

Maine-Northfield Unincorporated Area Plan Chicago Metropolitan Agency for Planning (CMAP) CMAP Contract #: C-17-0020 GHA Project #: 4878.900

Checked by: William Grieve																										Mainline Storm Sewer Improvements						Lateral Storm Sewer Improvements					
Segment ID	Township	Subarea No.	Street Name	From Street	To Street	Length (FT)	Pavement Width (FT)		Roadway - Low End (SY)		Area (SY)	Surface Type	Pavement Condition		Curb & Gutter - Low End (FT)			Sidewalk - Low S End (SF)	idewalk - High End (SF)	Sidewalk Width (FT)	h Sidewalk Condition	Lighting	Lighting - Lo	v Lighting - High End (EA)					Storm Sewer - High End (FT)						es - Parkway Tr (A) High End (		
240	Northfield	5	Greenleaf Lane	Municipal Boundary	/ East End	945	13	13	1,365	2,100	1,365.0	Hot-Mix Asphalt	Good - Fair	No		1,890	No	4,725	9,450			No			2 No			1	- 94	;		2		50		47	
245	Northfield	5	Overland Pass	Westview Drive	North End	1,453	21	21	807	1,937	3,390.3	Hot-Mix Asphalt	Fair - Poor	No		2,906	No	7,265	14,530			No			6 No		- :	5	- 1,45	i		8		190	-	73	
830	Northfield	5	Westview Drive	Overland Pass	Landwehr Road	620	21	21	344	827	1,446.7	Hot-Mix Asphalt	Fair - Poor	No		1,240	No	3,100	6,200			No			- No		-	3	- 62	)		4		95	-	31	
835	Northfield	5	Pleasant Run	Overland Pass	Landwehr Road	658	21	21	366	877	1,535.3	Hot-Mix Asphalt	Fair - Poor	No		1,316	No	3,290	6,580			No			2 No		-	3	- 66	)		4		95	-	33	
840	Northfield	5	Crescent Lane	West End	Overland Pass	95	20	20	63	137	211.1	Hot-Mix Asphalt	Fair - Poor	No		190	No	475	950			No			2 No		-	2	- 9:	i	-	2		50	-	5	
					Subtotal Subarea 5:	3,771			2,946	5,879	7,948				0	7,542		18,855	37,710					0 1	2		0 1	7	0 3,77	i	0 :	20	0	480	0	189	