ROUTE 48 SIDEWALK DISTRICT

Map, Plan and Report

Town of Lysander, Onondaga County, New York

5/17/2018Revised June 14, 2018

DRAFT

Route 48 Sidewalk District

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Map, Plan and Report

May 17, 2018 Revised June 14, 2018

DRAFT

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Town of Lysander Engineer

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1.0 Background and Authorization

The Town of Lysander applied for a TAP Grant with the Village of Baldwinsville in 2016. The Town and Village were awarded the grant and the Town has decided to move forward with construction of the proposed sidewalks along Route 48 from Chaucer Circle to the intersection of Country Lane, Hourglass Lane and Route 48. To move forward with the process the Town will need to form a special district to pay for maintenance of the proposed sidewalk and the debt service that will be required for the matching portion of the grant. The Town mail a public interest survey cards to a property owners that would be included in the proposed special district. The Town received 60 responses in favor of the proposed Route 48 Sidewalk District and 30 responses not in favor of the proposed Route 48 Sidewalk District at the March 1, 2018 Town Board Meeting.

2.0 Proposed District Boundary

A map of the proposed district is included as figure 1, and a written description of the proposed district boundary is included as Appendix A. The proposed Route 48 Sidewalk District generally includes the parcels fronting Route 48 in the Town of Lysander north of Chaucer Circle to the intersection of Country Lane/ Hourglass Lane and Route 48, the properties included in the Giddings Crest Subdivision and the parcels fronting Country Lane.

3.0 Proposed Facilities

The Town is proposing to construct approximately 2505 LF of 5' wide concrete sidewalk along Route 48 to the Hourglass Lane/County Lane intersection. The project will also include ADA curb ramps and ladder bar cross walks at the County Lane intersections.

4.0 Estimated Probable Project Cost and Maximum Amount to be Expended

The estimated probable project cost and maximum amount to be expended for the proposed Route 48 Sidewalk District is \$200,400 (appendix B), inclusive of construction contingency, engineering, legal, bonding, administrative and miscellaneous costs. An itemize estimate of probable project costs for these improvements is included in appendix B. The TAP/CMAQ grant will fund 80% of the project cost and the Route 48 Sidewalk district will fund 20% of the project cost. The Town will use the Town engineer's design work and construction inspection time to make up a portion of the matching funds which will result in an estimated bonding amount of \$22,680.

5.0 Project Financing and User Charges

All developable parcels in the proposed district will contribute to the project debt service and long term maintenance costs. The district debt service and maintenance costs will be based on a unit charge (EDU) with each single family residential building lot being one unit.

5.1 Estimated Annual Debt Service Charge

Each single family residential building lot in the proposed district will contribute to the capital costs of the district improvements. The Town will finance the remaining 20% of the construction cost minus in-kind Town Engineer Services not covered by the TAP/CMAQ grant estimated to be \$22,680 on behalf of the proposed Route 48 Sidewalk District (for estimating purposes, a loan term of 10 years and an interest rate of 4.0% was assumed under conventional bond financing). The anticipated unit cost associated with debt service for the proposed sidewalk construction outlined above is \$19.02 per EDU.

5.2 Annual Operation and Maintenance Costs

Once construction of the proposed sidewalk is completed the Town will provide maintenance services including snow removal and repairs either through an inter-municipal agreement with the Village of Baldwinsville or through a maintenance contract with a third party vendor. It is estimate that maintenance cost will be \$5,000 annually. Making the annual unit cost \$34.01 per EDU (appendix C).

5.3 Estimated Total User Charge

Based on the proposed methods of benefit assessment described above, the estimated first year user cost for one (1) EDU (single family building lot) within the proposed Route 48 Sidewalk district is \$53.03 annually.

6.0 Recommended Steps to Proceed

It is recommended that the Town Board, following review of this map, plan and report, hold a Public Hearing in accordance with Article 12-A of Town Law to present the project to the proposed sewer district residents. Should the Town Board decide, following the public hearing, that the project is in the public's best interest, the board should then pass a resolution authorizing formation of the district. The district formation and charges for excess capacity are subject to permissive referendum.

The following schedule is proposed for project implementation:

•	Town Board Accepts Map Plan and Report	May 2018
•	Public Hearing under section 12-A of Town Law	June 2018
•	Regulatory approval of MPR	July 2018
•	Town executes grant contract with NYSDOT	July 2018
•	Town submits project design report to NYSDOT for approval	August 2018
•	Town submits contract drawings to NYSDOT for approval	Sept. 2018
•	NYSDOT & Town Board authorize project bidding	October. 2018
•	Project award	December 2018
•	Project construction	May 2019
•	Project Completion	August 2019

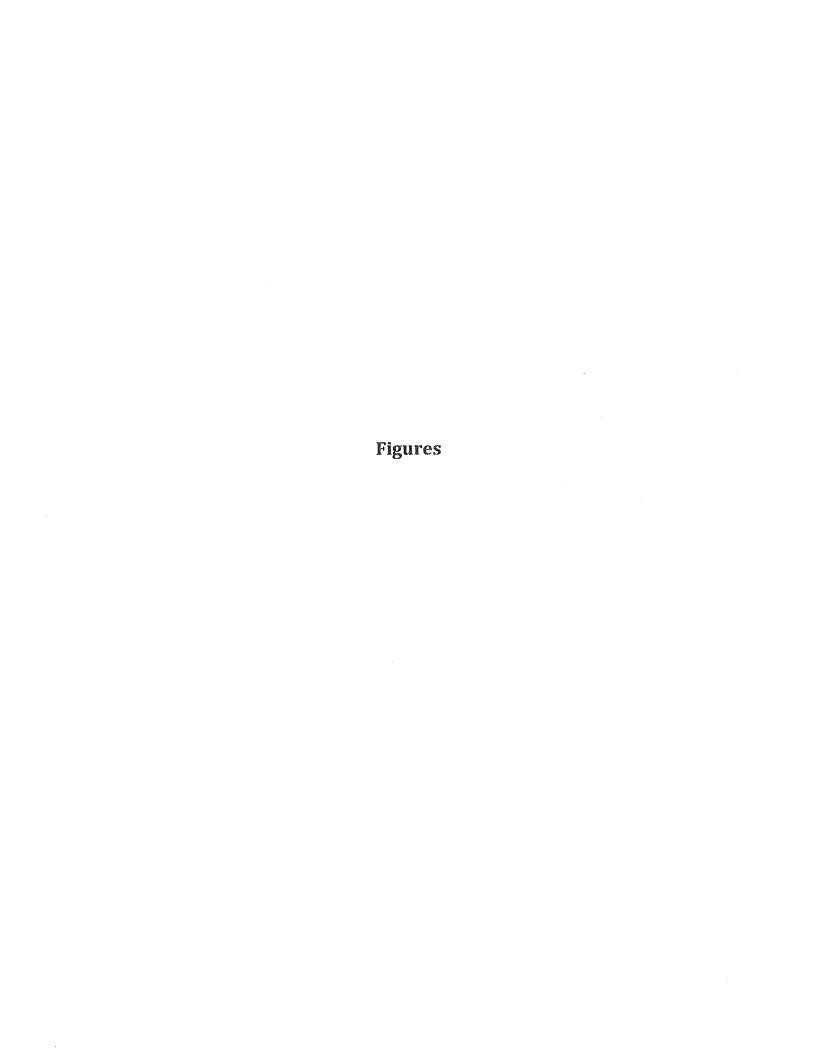


Figure 1

Route 48 Sidewalk District Map



Appendix A

Written Boundary Description

Appendix B

Route 48 Sidewalk District

Proposed Facilities Cost Estimate

			Routi	48 Sidewal	A District Cons	Route 48 Sidewalk District Construction Estimate	
Rem No. 608.01100409	Concrete Sidewalk (4" thick)	SF Unit	16.00	Quantity	Subtotal Section Source	INFOLOT I REIN NUMBERS DE PAG HESCOY REGULA: COMORTE SEGNACIA SAD DIRECUNS ESTIDADADE COMORTE SEGNACIA SAD DIRECUNS ESTIDADADE COMORTE SEGNACIA SAD DIRECUNS DALLA SEGNACIA SEGNACIA SEGNACIA DALLA SEGNACIA SEGNACIA SEGNACIA REGULATORI SEGNACIA SEGNACIA SEGNACIA GALDAZI: TAPES L'AMBIS SEGNACIA CUMB GALDAZI: CASSI-RA-LACE COMORTE CUMB GALDAZI GALDAZ	INCIDET Rockets removal of the editing belowable, are used greatering, dispend, fill, bubbee and the committee of the second of the editing below and the editing below to the second of the editing below the second of the editing below the editing below to the editing below the editing bediting below the editing below the editing below the editing belo
608.01100015	Concrete Sidewalk (4" thick, 5" wide)	-	55.00	2505	\$137,775.00	GEADOLIS CORRETT SORVALS SAND DIMENANS GEZDAGORA CUTTINE AMERIET GEZDAGORA CUTTINE AMERIET GEZDAGORA CUTTINE AMERIET GEZDAGORA CUTTINE AMERIET GEZDAGORA CORRETT SORVAL SAND GEROSOLI GEZDAGORA GEZDAGORA GERORA GERORA GERORA GEZDAGORA GERORA GERORA GERORA GERORA GEZDAGORA GERORA GERORA GERORA GERORA GEZDAGORA CONCRETE CURB GEZDAGO. TORST SORVAGETE CURB GEZDAGO. TORST SORVAGETE GURB GEZDAGORA GERORA GERORA GERORA GERORA GEZDAGORA GERORA GERORA GERORA GERORA GERORA GEZDAGORA GERORA GERORA GERORA GEZDAGORA GERORA GERORA GERORA GEZDAGORA GERORA GERORA GERORA GEZDAGORA GERORA GERORA GEZDAGORA GERORA GERORA GERORA GEZDAGORA GEZD	Claddest enternal of the esticity petievals, tave untime, execution, clappast. If it, sobbase material, competion, and the construction of the was before the management purpose part repairs to effected spikits and concerns, topolal, exhabiting part and feisible work. All measured and short required to perform these pasts is included, DOES NOT include required adjustments to utilities.
608.0111002	Multiuse Asphalt Path (10' wide)	5	150.00		\$0.00	608.000102 - MAÑ SIDEWAKS DIEVEWAYS AND BICYCLE PATHS	includes all prep of subgrade, sawcurring and tack coat, truinag and keeling courses. DOES NOT lockude curring, grading or turf establishment, NOTE: Prices have been vokable in recent years.
608.0105-09 608.0105NN15	ADA Curb Ramp	5	1,900.00	ω	\$5,700.00	GEZIOI - CONGETT SCENAUCS AND DRIVERIANS EZ JOSAGOS - CUTING ANGELS - CONGETT SCENAUCS AND DRIVERIANS EZ JOSAGOS - CUTING ANGELS - CONGETT CON	includes demolétion, saw catting examilitio, rilayocal fill substate asservice composition, commonation de the new curb name, laudings and accordant orbital, decemble samining unlin, margin to selected examining and accordant produced could be substantial and uncerna, purpose, could being suff or distanted asserts, and felician hard nOTC. There are applicators and doors in the completing and pinds of curb ramps. This figure represents an average.
685.20000015 (Pavement Markings)	IS Type (Ladder) Crosswalk	5	700.00	ω	\$2,100.00	685.01: - NAMTE POOKY RÉDIÉCTORIZED PAVEMENT SMIRCUS - 15 MILS 635.0133-CLEARING AND PRÉPARATION OF PAVEMENT SMIRCUS - 15 MILS	Jacumer 7001 of 4" striples per crosswall: includes application, removed and covering of parement (lend, electer, symbols, step bans, crosswallts and any other markings, and any required dequiring and proparation of the surface to receive the markings.
609.10010209 609.10010015	Concrete Curbing	4	75.00		\$0.00	GEODAL-COST HAP-PLACE CONNECTE CARE DE DECENILED GEZ DOS LOCORS - CLITINE DE PARAMETOR AND DEPOCAL - DOS MANCHOST PER DE DECANATION AND DEPOCAL - DOS MANCHOST PER LOCATION AND DEPOCAL - DOS MANCHOS	included excessions, any ording exercision, deposal, file, abbase matrick, brickspring (ed) primers and grading of eating grown), compaction, and the construction of a first unit in primer to affected adplied porting as necessary, topoid, establishing part for described a resal, English way—the resident primers of primers to utilize, team 500,1001029 DOEs ROT reducte required adjustments of utilizes.
N/A	Asphalt Paved Snow Storage Area	SF	7.00		\$0.00	608.020.02 - HAVA SIDEWAUS DRIVEWAYS AND VEGETATION CONTROL STRIPS 304.12 - Subbase type II	Price for textured or colored asphalt will be higher.
N/A	Raised crosswalk	g	15,000.00		\$0.00		
N/A	Mini roundabout	\$	175,000.00		\$0.00		
645.86000015	Small Single Post-Mounted Signs	e A	600.00		\$0.00	(45.53) - GROUND HOUNTED SHIF PARELS	includes tig supports, sign foundations, necessary hardware, demolition, excession, necessari del june perit, potts, support, foundations, and ser devotation of existing signs; to include new sign post or reducent sign pool, disposal of any manifel remarks, patching and exists, to all fixed a soluble and concrete as executive, topool, and stabilishing and, and any continuents and grading of reading ground; linear work, and any required adjustments to volidies.
645.8000XX15	Solar powered radar speed sign	EA	7,000.00		\$0.00		Immed price dats, included demolition, was untiling assessments, disposal, fits, wabase material, compaction, a disposal demoliting results to effected applied and other cases of price and services and control of the
N/A	Wooden Bollard	\$	250.00		\$0.00	Based on old price data for 615.75 - TIMBER BOLLARDS FIXED (Disapproved)	includes the cost of excivation and backfill and furnishing all labor, materials, and equipmen necessary to complete the work
680.8225 680.01030015	Pedestrian push button on existing signal New pedestrian signal with push buttons	EA EA	250.00 6,500.00		\$0.00	80.0222RECESTRAIN PLOPROTTON AND SON: WITHOUT POST 80.02202RECESTRAIN PLOPROTTON AND SON: WITHOUT POST 80.02202RECESTRAIN PLOPROTTON FOR THE AND SON RECENT PLOPROTTON FOR THE SON RECENT PLOPROTTON FOR THE AND SON RECENT PLOPROTTON FOR THE SON RECENT PLOPROTTON FOR THE SON RECENT PLOPROTTON FOR THE SON R	Included demolition, any cutting, accased on, depocal, till appool, establishing turf on detauthed sear, repirit to affected explicit and/or concrete as necessary, selfic signal systems, and components between des of an spideol (patieol); turfic signal systems withing processes the removal and or suppleed (patieol); furnithing electrical service, finish work, and any required sejectment to unblider.
554,5000009 554,50000015	low Height Retaining Wall	S.	75.00		\$0.00	SZY 00 - EIT Ling restanded Amti (0 - 64.1)	Includes demolibios, saw cutting, excessión, disposal, III, adjustments and garding di making per al sixto bear comment occurrent, including savid in parting per son sixto de secretar comment, including savid in parting per sixto in generalest. Les un bas de consequent au bande de savage present researung partine general per sixto de savid de comment comment con uniferent sector de savage sixto sector de savid de comment con uniferent sector de savage sixto sector de savid de savid de savid sector de savid sector de savage sixto sector de savid de savid de savid sector de savid sector de savid sector de savid sector de savid sector de savid sector de savid sector de savid sector de savid sector de savid s
610.10000015	Landscape Development (Establishing turf)	ম	2.75	2170	\$5,967.50	6D.1637, TURF ESTABLISHMENT - JAWNS 6D.1637, TURF ESTABLISHMENT - JAWNS	Pica à lor the establishment of turf, but jusc includes pruring of treas and/or shrubs, tempos of treas and/or stumps, neobox control measures (boulding cycle) dams, sit ferce and myloch and the establishment of any plants, thick work, and required adjustments to difficit.
	% WZTC based on project complexity % for incidentals, inflation and Contingencies	10%	Percentage Percentage	Percentage 1 Percentage 1 Percentage 1	\$7,577.13 \$15,154.25 \$174.273.88		
W	% for Survey \$10 000 + 10% for Design facility for project complexity)	2%	Percentage	1		. I - I	
	% for Construction Inspection (adjust for project complexity)	5%	Percentage	1	\$8,713.69		

Appendix C

Route 48 Sidewalk District

User Costs and Financing Calculations

Town of Lysader Rte. 48 Sidewalk District (Including Country Lane & Giddings Crest) Debt Service Calculation

Estimated Bond Amount =

\$22,680.00

Data 4.0% 10 \$22,680.00 Formula

\$2,796.24

Description
Annual interest rate
Number of monthly payments (10 yr)
Amount of loan
Description (Result)
Annual payment for a loan with the above terms

Total number of properties included in proposed district = Estimated annual debt service = Estimated annual maintenance cost = Total estimated first year cost =

147 \$19.02 \$34.01 \$53.03

Annual Maintenance Cost Estimated at \$5,000/yr to be completed through IMA with Village of Baldwinsville