



**Exhibit B**  
Revised 1/19/18



**Scope of Preliminary Project Improvements**  
**Spring Arbor Township Local Road Improvement Millage Proposal**

Hard Surface Roads						
Road Name	From	To	Length (mi.)	Recommended Improvement	Estimated Cost	Year of Construction
Bowerman Rd.	Mathews Rd.	Twp. Line	1.213	CSC3.5	\$328,000	2017
Bunting Rd.	Slayton Rd.	McCain Rd.	0.499	HMA2.5	\$92,000	2017
Carter Rd.	Teft Rd.	Moscow Rd.	1.765	HMA3.0	\$406,000	2017
Cross Rd.	Hammond Rd.	Sears Rd.	1.557	HMA2.5	\$287,000	2017
Emerson Rd.	M-60	Carter Rd.	0.653	HMA3.0	\$151,000	2017
Farhat Ct.	Ikram Oaks	Road End	0.062	HMA2.0	\$10,000	2017
Hammond Rd.	Twp. Line	N. Cross Rd.	0.924	HMA2.0	\$136,000	2017
Hammond Rd.	N. Cross Rd.	Mathews Rd.	0.565	HMA3.0	\$130,000	2017
Ikram Oaks	Reynolds	Farhat	0.466	HMA2.0	\$69,000	2017
Mathews Rd.	King Rd.	M-60	1.174	HMA3.0	\$271,000	2017
Mathews Rd.	Teft Rd.	Moscow Rd.	2.112	HMA3.0	\$486,000	2017
O'Brien Rd.	Twp. Line	McCain Rd.	0.988	CSC3.5	\$267,000	2017
Reynolds Rd.	Horton Rd.	Twp. Line	1.521	HMA3.0	\$350,000	2017
Slayton Rd.	S. Sandstone Rd.	Bunting Rd.	1.022	HMA3.0	\$235,000	2017
2nd St.	Sharon St.	Richard Rd.	0.123	CSC3.5	\$34,000	2018
2nd St.	Chapel Rd.	2nd Ave.	0.609	CSC3.5	\$165,000	2018
Arbor Hills Rd.	McCain Rd.	Pioneer Dr.	0.464	CSC3.5	\$126,000	2018
Arlington Dr.	Cabot Dr.	Brandon Dr.	0.061	HMA2.5	\$12,000	2018
Armsko Ln	Staten Dr.	McCain Rd.	0.142	CSC3.5	\$39,000	2018
Audrey St.	Sharon St.	gate	0.159	CSC3.5	\$43,000	2018
Blenheim Dr.	Wickenham Dr.	Road End	0.242	CSC3.5	\$66,000	2018
Boadway St.	Teft Rd.	Road End	0.156	HMA2.5	\$29,000	2018
Brandon Dr.	Chapel Rd.	Milford Rd.	0.247	HMA2.5	\$46,000	2018
Burr Oak St.	M-60	Road End	0.406	HMA3.0	\$94,000	2018
Cabot Dr.	Chapel Rd.	Milford Rd.	0.256	HMA2.5	\$48,000	2018
Catalina Dr.	McCain Rd.	Road End	0.347	CSC3.5	\$94,000	2018
Chapel Rd.	M-60	King Rd.	0.965	HMA3.0	\$222,000	2018
College St.	2nd St.	Road End	0.088	MICRO	\$7,000	2018
Cottage St.	2nd St.	M-60	0.223	HMA2.5	\$41,000	2018
Daggitt Dr.	King Rd.	Lorrie Dr.	0.249	CSC3.5	\$68,000	2018
Dorothy Ln.	Daggitt Dr.	Lorrie Dr.	0.199	CSC3.5	\$54,000	2018
E. Gordon Dr.	Sharon St.	Spring Arbor Rd.	0.123	CSC3.5	\$34,000	2018
Earl Dr.	King Rd.	Road End	0.151	CSC3.5	\$41,000	2018
Ewers St.	Daggitt Dr.	Road End	0.032	CSC3.5	\$9,000	2018
Ewers St.	Noble Rd.	Earl Dr.	0.156	CSC3.5	\$43,000	2018
Faith Dr.	King Rd.	Lorrie Dr.	0.157	CSC3.5	\$43,000	2018
Fleetwood Ln.	Trinity Ln.	Catalina Dr.	0.178	CSC3.5	\$49,000	2018
Glenbar Dr.	Lockerbie Dr.	End Certified Road	0.058	HMA2.5	\$11,000	2018
Harmony Rd.	Star Rd.	Wickenham Dr.	0.336	CSC3.5	\$91,000	2018
Henderson Rd.	Spring Arbor Rd.	Pavement End	0.350	CSC3.5	\$95,000	2018
Ivan Dr.	Chapel Rd.	Wendover Dr.	0.205	HMA2.5	\$38,000	2018
Ken Dr.	Wendover Dr.	Road End	0.125	HMA2.5	\$24,000	2018
Kevin Dr.	Chapel Rd.	Wendover Dr.	0.205	HMA2.5	\$38,000	2018
Lockerbie Dr.	Stone Haven Dr.	End Certified Road	0.045	HMA2.5	\$9,000	2018
Lorrie Dr.	Daggitt Dr.	King Rd.	0.375	CSC3.5	\$102,000	2018
Marietta St.	Teft Rd.	Star Rd.	0.156	CSC3.5	\$43,000	2018
Mathews Rd.	M-60	Hammond Rd.	0.705	HMA3.0	\$163,000	2018
Melody Ln.	Harmony Rd.	Spring Arbor Rd.	0.206	CSC3.5	\$56,000	2018
Milford Rd.	Cabot Dr.	Brandon Dr.	0.064	HMA2.5	\$12,000	2018
Moon Rd.	Marietta St.	Road End	0.064	CSC3.5	\$18,000	2018
Noble Rd.	King Rd.	Road End	0.120	CSC3.5	\$33,000	2018
Ogle Ave.	2nd St.	M-60	0.263	MICRO	\$19,000	2018
Queen St.	King Rd.	Ewers St.	0.104	CSC3.5	\$28,000	2018
Reigel Rd.	McCain Rd.	King Rd.	1.009	HMA2.5	\$186,000	2018
Remington Dr.	S. Dearing Rd.	Road End	0.199	HMA2.5	\$37,000	2018
Reynolds Rd.	Kibby Rd.	Horton Rd.	2.089	HMA3.0	\$481,000	2018
Richard St.	Audrey St.	Wakefield Ct.	0.376	CSC3.5	\$102,000	2018
Rimers Dr.	Reynolds Rd.	Road End	0.396	CSC3.5	\$107,000	2018
S. Arbor Heights Rd.	W. Arbor Heights Rd.	Ogle Ave.	0.063	MICRO	\$5,000	2018
S. Harrington Rd.	Twp. Line	McCain Rd.	1.016	CSC3.5	\$275,000	2018
S. Rimers Dr.	Vrooman Rd.	Road End	0.100	HMA1.5	\$11,000	2018
Sequoia Dr.	Trinity Ln.	Twp. Line	0.214	CSC3.5	\$58,000	2018
Sharon St.	2nd Ave.	Henderson Rd.	0.229	CSC3.5	\$62,000	2018
Star Rd.	Marietta St.	Spring Arbor Rd.	0.213	CSC3.5	\$58,000	2018
Staten Dr.	Trinity Ln.	Catalina Dr.	0.180	CSC3.5	\$49,000	2018

Road Name	From	To	Length (mi.)	Recommended Improvement	Estimated Cost	Year of Construction
Staten Dr.	Catalina Dr.	Twp. Line	0.036	CSC3.5	\$10,000	2018
Stone Haven Dr.	Chapel Rd.	Road End	0.135	HMA2.5	\$25,000	2018
Sunnydell Dr.	Chapel Rd.	Wendover Dr.	0.205	HMA2.5	\$38,000	2018
Teft Rd.	M-60	Mathews Rd.	2.292	HMA3.0	\$528,000	2018
<b>Thorne Rd.</b>	<b>Sears Rd.</b>	<b>Twp. Line</b>	<b>0.502</b>	<b>CSC3.5</b>	<b>\$136,000</b>	<b>2018</b>
Trinity Ln.	Staten Dr.	Road End	0.250	CSC3.5	\$68,000	2018
Victor St.	Sharon St.	Richard Rd.	0.123	CSC3.5	\$34,000	2018
Vrooman Rd.	Moscow Rd.	Reynolds Rd.	1.012	HMA2.5	\$187,000	2018
Vrooman Rd.	Reynolds Rd.	Twp. Line	1.060	HMA2.5	\$196,000	2018
W. Arbor Heights Rd.	2nd St.	S. Arbor Heights Rd.	0.215	MICRO	\$16,000	2018
W. Gordon Dr.	Sharon St.	E. Gordon Dr.	0.095	CSC3.5	\$26,000	2018
Wakefield Ct.	Richard Rd.	Road End	0.098	HMA2.5	\$19,000	2018
Wendover Dr.	Brandon Dr.	Road End	0.267	HMA2.5	\$50,000	2018
Wickenham Dr.	Harmony Rd.	Blenheim Dr.	0.207	CSC3.5	\$56,000	2018
Arbor Ln.	Willoway Dr.	Reynolds Rd.	0.249	CSC3.5	\$68,000	2019
Balcan Cir.	Scotch Blue Dr.	Road End	0.022	CSC3.5	\$6,000	2019
Balomari Dr.	Lucerne Dr.	Road End	0.066	CSC3.5	\$18,000	2019
Chapel Rd.	King Rd.	Twp. Line	2.070	HMA3.0	\$477,000	2019
East Ct.	Arbor Ln.	Road End	0.081	CSC3.5	\$22,000	2019
Fairway Dr.	Spring Arbor Rd.	Sherwood Dr.	0.215	CSC3.5	\$58,000	2019
Highland Bell Dr.	S. Sandstone Rd.	End Certified Road	0.042	HMA3.0	\$10,000	2019
Lucerne Dr.	Renfrew Dr.	Balomari Dr.	0.222	CSC3.5	\$60,000	2019
McCain Rd.	S. Parma Rd.	S. Dearing Rd.	3.000	HMA2.5	\$553,000	2019
McCain Rd.	S. Dearing Rd.	Reynolds Rd.	1.951	HMA2.5	\$360,000	2019
Renfrew Blvd.	Spring Arbor Rd.	Renfrew Dr.	0.073	CSC3.5	\$20,000	2019
Renfrew Dr.	Lucerne Dr.	Road End	0.291	CSC3.5	\$79,000	2019
Ridge Crest Dr.	Reynolds Rd.	Road End	0.096	HMA2.0	\$15,000	2019
Riverside Dr.	Reynolds Rd.	Road End	0.300	CSC3.5	\$81,000	2019
S. Sandstone Rd.	Twp. Line	McCain Rd.	0.994	CSC3.5	\$269,000	2019
S. Sandstone Rd.	McCain Rd.	M-60	1.149	HMA2.5	\$212,000	2019
Scotch Blue Dr.	S. Sandstone Rd.	Road End	0.226	CSC3.5	\$61,000	2019
Sherwood Dr.	Fairway Dr.	Road End	0.136	CSC3.5	\$37,000	2019
Stone Creek Dr.	S. Sandstone Rd.	Road End	0.161	HMA2.5	\$30,000	2019
Wellesley Dr.	Fairway Dr.	Sherwood Dr.	0.183	CSC3.5	\$50,000	2019
West Ct.	Arbor Ln.	Road End	0.077	CSC3.5	\$21,000	2019
Western Acres	Scotch Blue Dr.	End Certified Road	0.044	CSC3.5	\$12,000	2019
Willoway Dr.	Riverside Dr.	Arbor Ln.	0.159	CSC3.5	\$43,000	2019
<b>Total Local Mileage:</b>			<b>48.919</b>	<b>Total Local Roads:</b>	<b>\$10,930,000</b>	

Gravel Roads						
Road Name	From	To	Length (mi.)	Recommended Improvement	Estimated Cost	Year of Construction
N. Cross Rd.	Hammond Rd.	M-60	0.63	CSC3.5	\$169,000	2017
Cox Rd.	Mathews Rd.	Teft Rd.	0.50	CSC3.5	\$136,000	2018
Mathews Rd.	Hammond Rd.	Teft Rd.	1.11	CSC3.5	\$300,000	2018
Jack Pine	S Sandstone Rd.	Road End	0.04	CSC3.5	\$11,000	2019
<b>Total Local Mileage:</b>			<b>3.062</b>	<b>Total Gravel Local Roads:</b>	<b>\$830,000</b>	

<b>Total Project Cost</b>	<b>\$11,760,000</b>
<b>Total Township Share</b>	<b>\$8,232,000</b>
<b>Total JCDOT Cost</b>	<b>\$3,528,000</b>

Definitions of Improvements	
Improvement	Definition
MICRO	An asphalt emulsion overlaid with crushed stone & topped with a micro thin asphalt overlay
HMA1.5	1.5" hot mix asphalt (HMA) overlay with preparatory patching
HMA2.0	2" hot mix asphalt (HMA) overlay with preparatory patching
HMA2.5	2.5" hot mix asphalt (HMA) overlay (2 lifts) with preparatory patching
HMA3.0	3" hot mix asphalt (HMA) overlay (2 lifts) with preparatory patching
CSC3.5	Crush existing roadway, shape & compact, then resurface with 3.5" HMA
CMHO1.5	Mill roadway to along edge of curb and resurface with 1.5" of HMA
CMHO2.0	Mill roadway to along edge of curb and resurface with 2.0" of HMA