

STAR LAKE TOWNSHIP 2019 GRAVEL PLAN and Road Maintenance Projects – R: 6/10/19

Dust Control Projects – TOP PRIORITY ~~Strike Through~~ = Done.

GRAVEL PROJECTS: Application rate of 200 yds./mile, or 20 yds./0.1 mile, unless otherwise noted Cubic Yard Rates: CI-5 \$7.50/8.35, **CI-5M \$8.05/8.90**, CI-1 \$9.75/10.65.

1. **Bambi Drive** – Class 5M beginning at intersection with 380th St. going north to the “T”, .3 miles apply DOUBLE WIDE – 120 yds X \$8.05= **\$966**.
2. **380th St. East** – Class 5M beginning at point approx. .3 miles east of Hwy 41 for a distance of approx.. 200’ on south side of road (flagged), and again at next flagged area (vic #30230 by old golf club entrance) approx. 200’ on south side of road - 10 yds X \$8.05= **\$80.50**.
 - A. Balance of load beginning at BRIGHT STAR RD. east for .7 miles ending at flag. Apply to NORTH side of road – 150 yds X \$8.05= **\$1207.50** .
 - B. At ending cul-de-sac spread 20 yds in and around cul-de-sac – 20 yds X \$8.05= **\$161**.
3. **380th St. West** – CI-5M from Hwy 41 going west to 303rd Ave. with DOUBLE WIDE dump in flagged area just west of 310th St. (flagged). 360 yds X \$8.05= **\$2898**.
4. **280th Ave. N.** – CI-5 ECI gravel where needed.
5. **390th St.** – East from 280th St. CI-5M beginning at point approx. .1 miles for .8 miles (flagged). 160 yds X \$8.05= **\$1288**.
 - A. Continuing east beginning at next flag apply CI-5M sporadically on next 3 hill tops and end at “Children at Play” sign (flagged). Approx. 40 yds X \$8.05= **\$355**.
6. **300th Ave. No.** – CI-5M going north from intersection of 390th St. for .5 miles to flag, apply DOUBLE WIDE; 200 yds X \$8.05= **\$1610**.
 - A. C-5M from intersection of Hwy 108 south for .4 miles to flag – 80 yds X \$8.05= **\$644**.
7. **390th St.** – CI-5M from flag at USFW parking area going east for .2 miles to flag; apply DOUBLE WIDE – 80 yds X \$8.05= **\$644**.
8. **300th Ave. Middle** – CI-5M from intersection with 380th St. going south for .5 miles (flagged); apply DOUBLE WIDE – 200 yds X \$8.05= **\$1610**.

- A. CI-5M from FLAG (vic#35930) south for .4 miles to intersection with Hwy 24; apply DOUBLE WIDE, 160 yds X \$8.05= **\$1288**.
9. **285th Ave.** – **CLASS 5** from intersection with Hwy 24 going south for .1 mile, 20 yds X \$8.35= **\$167**.
10. **300th Ave. So.** – **CLASS 5** from intersection with Hwy 24 going south for .7 miles (flagged), 140 yds X \$8.35= **\$1169**.
11. **Big Rock Road** – **CLASS 5** from intersection with Hwy 35 going EAST for .1 mile (flagged); apply DOUBLE WIDE, 40 yds X \$8.90= **\$356**.
12. **Big Rock Road** – **CLASS 5** from intersection of “Hwy 35/Beaver Dam Road” for .1 mile, 20 yds X \$8.35= **\$167**.
- A. Continuing south to flagged area north of bridge apply Class-5 for .1 mile, 20 yds X \$8.35= **\$167**.
- B. Continuing south to next flagged area apply Class-5 for .15 mile, 30 yds X \$8.35= **\$250.50**.
- C. Continuing further south to point southwest of #36771 (flagged) apply Class 5 for .7 miles to intersection of 355th St.; with a DOUBLE WIDE drop within “double flagged” area for a distance of 500’, - 160 yds X \$8.35= **\$1336**.
13. **Beaver Dam Road** – north from intersection with Hwy 35 apply Class-5 for .1 miles; DOUBLE WIDE, 40 yds X \$8.35= **\$356**.
- A. **Continuing north apply CI-5M at flagged area for .1 mile; apply DOUBLE WIDE, 40 yds X \$8.35= **\$334**.**
14. **Krueger Loop** – Apply Class-5 for .1 mile from east end stop sign, 20 yds X \$8.35= **\$167**.
15. **Starland Shore Drive** – beginning at intersection of Hwy 35 apply Class-5 for .15 miles (flagged), 30 yds X \$8.35= **\$250.50**.
16. 360th St. – Beginning at intersection with Hwy 41 apply Class-5 east for .7 miles to east end of hill (stop point flagged), 140 yds X \$8.35= **\$1169**.

PHASE I PROJECTED GRAVEL COST OF \$18,641.

STAR LAKE TOWNSHIP ROAD 2019 PROJECTS

1. ROAD/CULVERT PROJECTS:

- a. **Beaver Dam Road** – **ECI Project**. Repair erosion of back-slope of east ditch just south of approach. Fill wash-out, seed with grass, and install erosion blanket as needed.
- b. **380th St. East** – **ECI Project**. West of # 31587 clean ditch & install 15” centerline culvert to mitigate stormwater run-off & spring melt.
- c. **300th Ave. South** – **ECI Project**. Repair collapsed shoulder on east side of road approx. .6 miles south of Hwy 24.
- d. **380th St. East** – **ECI Project**. Repair of frost boil/soft spot within “S” curve to the east of Camp Joy.
- e. **Starland Shore Drive** – SLT Project. Apply gravel to re-establish shoulders, relocate mailboxes as needed, contract Carrs to apply herbicide for vegetation control as needed.
- f. Conduct shouldering maintenance on following:
 - i. 285th Ave. - done
 - ii. 300th Ave. South - done
 - iii. 300th Ave. Middle - done
 - iv. Bambi Drive/Trail
 - v. 360th St. - done
 - vi. 355th Ave. - done
 - vii. 390th Ave.
 - viii. 300th Ave. North
- g.

2. **CULVERT MAINTENANCE:** The following culvert issues need to be addressed:
- a. Install/repair culvert markers as needed:
 - b. 380th St. East – clean basins vic # 31748,
 - c. 280th Ave. No. – clean basins vic# 38363 & get PO permission to dig channel,
 - d. 300th Ave. Middle – Contract w/ECI to install Drvwy culvert at # 36670 (David Collins has approved),
 - e. 300th Middle –
 - i. #26 needs fill along side tube in-bound end,
 - ii. #27 In-Bound end plugged – no flow,
 - iii. #28 Culvert needs to be replaced, both ends crushed,
 - iv. #36 OTC Ditch 55 under 300th Ave. plugged (south of #34724),

3. **SIGNAGE ISSUES:**

- a. Install ROW markers along Downy Drive, Kreuger Loop, 380th St. & Hwy 41,
- b.

4. **RIGHT OF WAY ISSUES**

- 1. **380th St. East** - Shrubs on Drvwy sides and metal fence posts within ROW, vic.#33109 (PO to be notified), PO Letter.
- 2. **Starland Shore Drive** – Mail box at 32403 too close to roadway. Contact PO for corrective action. Ray to remove SL Fire Sign at entrance,
- 3. **Downy Drive & 35** – Resolve ROW infringement issues with property owners,
- 4. **Bambi Drive** – Remove small pine trees from ROW vic# 38390, PO letter.

5. **TREE TRIMMING:**

- a. Complete David Damlo project,
- b. 380th St. West east of #28128 (Harthun Dairy) trim overhead limbs,
- c. Big Rock Road Vic# 36771, trim overhead limbs – ½ mile both directions along Dead Lake,