

STAR LAKE TOWNSHIP 2019 GRAVEL PLAN and Road Maintenance Projects – R: 6/16/19

THIS REVISED PLAN CANCELS GRAVEL FOR THOSE AREA RECEIVING DUST CONTROL.

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. West** – CI-5M from Hwy 41 going west for .8 miles (flagged) with DOUBLE WIDE dump in flagged area to the west of 310th St. (double flagged). 180 yds X \$8.05= **\$1449**.
3. **280th Ave. N.** – CI-5 ECI gravel where needed.
4. **390th St.** – East from 280th St. CI-5M for approx. .6 miles (flagged). 120 yds X \$8.05= **\$966**.
 - A. Continuing east beginning at #28758 (flagged) apply CI-5M sporadically on next 3 hill tops and end at “Children at Play” sign (flagged). Approx. 40 yds X \$8.05= **\$355**.
5. **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**.
6. **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**.
7. **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**.
8. **285th Ave.** – **CLASS 5** from intersection with Hwy 24 going south for .1 mile, 20 yds X \$8.35= **\$167**.

9. **300th Ave. So.** – **CLASS 5** from intersection with Hwy 24 going south for .7 miles (flagged), 140 yds X \$8.35= **\$1169.**
10. **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.**
11. **Big Rock Road** – **CLASS 5** from intersection of “Hwy 35/Beaver Dam Road” south to the bridge approx. .3 mile, 60 yds X \$8.35= **\$501.**
 - A. Continuing further south to point southwest of #36771 (flagged) apply Class 5 for .8 miles to intersection of 355th St.; with a DOUBLE WIDE drop within “double flagged” area for a distance of 500’, - 180 yds X \$8.35= **\$1503.**
12. **Beaver Dam Road** – north from intersection with Hwy 35 apply Class-5 for .1 miles; DOUBLE WIDE, 40 yds X \$8.35= **\$356.**
13. **Krueger Loop** – Apply Class-5 for .1 mile from east end stop sign, 20 yds X \$8.35= **\$167.**
14. **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 \$14,920.

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. **300th Ave. South – ECI Project.** Repair collapsed shoulder on east side of road approx. .6 miles south of Hwy 24.
- c. **380th St. East – ECI Project.** Repair of frost boil/soft spot within “S” curve to the east of Camp Joy.
- d. **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.
- e. **380th St. East – ECI Project.** West of # 31587 clean ditch & install 15” centerline culvert to mitigate stormwater run-off & spring melt.
- 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

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,