**Jon Kleinheksel**

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**From:** Jason Little <jlittle@cityofmelissa.com>
**Sent:** Thursday, April 26, 2012 2:11 PM
**To:** Jon Kleinheksel
**Subject:** Mutual Boundary Roads

Jon,

The City Council authorized the mutual boundary road project as you previously presented to me and would like a ten year payback.
Please let me know if you need anything further from me.

Sincerely,

Jason Little

Jason Little
City Manager
City of Melissa, Texas
972-838-2338

# Payment Plan

**Inputs**

| | | |
|---|---|---|
| Loan Amount | $285,119.24 | |
| Annual Interest Rate | 3.50% | |
| Amortization Period | 120 | months |
| # of Regular Payments | 120 | months |
| Begin Date | 7/1/2012 | |

**Summary**

| | |
|---|---|
| Total Payments | $ 338,331.03 |
| Total Interest Paid | $ 53,211.79 |

Assumptions

* Interest compounds monthly
* Annual Payments:

| | |
|---|---|
| FY 2012 | 5,638.86 |
| FY 2013 | 33,833.16 |
| FY 2014 | 33,833.16 |
| FY 2015 | 33,833.16 |
| FY 2016 | 33,833.16 |
| FY 2017 | 33,833.16 |
| FY 2018 | 33,833.16 |
| FY 2019 | 33,833.16 |
| FY 2020 | 33,833.16 |
| FY 2021 | 33,833.16 |
| FY 2022 | 28,193.73 |

## Amortization Schedule

| | | Month | Date | 'ayment | Interest | Principal | Balance |
|---|---|---|---|---|---|---|---|
| | | | 7/1/2012 | - | - | - | $ 285,119.24 |
| | | 1 | 8/1/2012 | 2,819.43 | 831.60 | 1,987.83 | 283,131.41 |
| FY 2012 | 5,638.86 | 2 | 9/1/2012 | 2,819.43 | 825.80 | 1,993.63 | 281,137.78 |
| | | 3 | 10/1/2012 | 2,819.43 | 819.99 | 1,999.44 | 279,138.34 |
| | | 4 | 11/1/2012 | 2,819.43 | 814.15 | 2,005.28 | 277,133.06 |
| | | 5 | 12/1/2012 | 2,819.43 | 808.30 | 2,011.13 | 275,121.93 |
| | | 6 | 1/1/2013 | 2,819.43 | 802.44 | 2,016.99 | 273,104.94 |
| | | 7 | 2/1/2013 | 2,819.43 | 796.56 | 2,022.87 | 271,082.07 |
| | | 8 | 3/1/2013 | 2,819.43 | 790.66 | 2,028.77 | 269,053.30 |
| | | 9 | 4/1/2013 | 2,819.43 | 784.74 | 2,034.69 | 267,018.61 |
| | | 10 | 5/1/2013 | 2,819.43 | 778.80 | 2,040.63 | 264,977.98 |
| | | 11 | 6/1/2013 | 2,819.43 | 772.85 | 2,046.58 | 262,931.40 |
| | | 12 | 7/1/2013 | 2,819.43 | 766.88 | 2,052.55 | 260,878.85 |
| | | 13 | 8/1/2013 | 2,819.43 | 760.90 | 2,058.53 | 258,820.32 |
| FY 2013 | 33,833.16 | 14 | 9/1/2013 | 2,819.43 | 754.89 | 2,064.54 | 256,755.78 |
| | | 15 | 10/1/2013 | 2,819.43 | 748.87 | 2,070.56 | 254,685.22 |
| | | 16 | 11/1/2013 | 2,819.43 | 742.83 | 2,076.60 | 252,608.62 |
| | | 17 | 12/1/2013 | 2,819.43 | 736.78 | 2,082.65 | 250,525.97 |
| | | 18 | 1/1/2014 | 2,819.43 | 730.70 | 2,088.73 | 248,437.24 |
| | | 19 | 2/1/2014 | 2,819.43 | 724.61 | 2,094.82 | 246,342.42 |
| | | 20 | 3/1/2014 | 2,819.43 | 718.50 | 2,100.93 | 244,241.49 |
| | | 21 | 4/1/2014 | 2,819.43 | 712.37 | 2,107.06 | 242,134.43 |
| | | 22 | 5/1/2014 | 2,819.43 | 706.23 | 2,113.20 | 240,021.23 |
| | | 23 | 6/1/2014 | 2,819.43 | 700.06 | 2,119.37 | 237,901.86 |
| | | 24 | 7/1/2014 | 2,819.43 | 693.88 | 2,125.55 | 235,776.31 |
| | | 25 | 8/1/2014 | 2,819.43 | 687.68 | 2,131.75 | 233,644.56 |
| FY 2014 | 33,833.16 | 26 | 9/1/2014 | 2,819.43 | 681.46 | 2,137.97 | 231,506.59 |
| | | 27 | 10/1/2014 | 2,819.43 | 675.23 | 2,144.20 | 229,362.39 |
| | | 28 | 11/1/2014 | 2,819.43 | 668.97 | 2,150.46 | 227,211.93 |
| | | 29 | 12/1/2014 | 2,819.43 | 662.70 | 2,156.73 | 225,055.20 |
| | | 30 | 1/1/2015 | 2,819.43 | 656.41 | 2,163.02 | 222,892.18 |

City of Melissa - Tentative Payment Schedule

| | | Month | Date | 'ayment | Interest | Principal | Balance |
|---|---|---|---|---|---|---|---|
| | | 31 | 2/1/2015 | 2,819.43 | 650.10 | 2,169.33 | 220,722.85 |
| | | 32 | 3/1/2015 | 2,819.43 | 643.77 | 2,175.66 | 218,547.19 |
| | | 33 | 4/1/2015 | 2,819.43 | 637.43 | 2,182.00 | 216,365.19 |
| | | 34 | 5/1/2015 | 2,819.43 | 631.07 | 2,188.36 | 214,176.83 |
| | | 35 | 6/1/2015 | 2,819.43 | 624.68 | 2,194.75 | 211,982.08 |
| | | 36 | 7/1/2015 | 2,819.43 | 618.28 | 2,201.15 | 209,780.93 |
| | | 37 | 8/1/2015 | 2,819.43 | 611.86 | 2,207.57 | 207,573.36 |
| FY 2015 | 33,833.16 | 38 | 9/1/2015 | 2,819.43 | 605.42 | 2,214.01 | 205,359.35 |
| | | 39 | 10/1/2015 | 2,819.43 | 598.96 | 2,220.47 | 203,138.88 |
| | | 40 | 11/1/2015 | 2,819.43 | 592.49 | 2,226.94 | 200,911.94 |
| | | 41 | 12/1/2015 | 2,819.43 | 585.99 | 2,233.44 | 198,678.50 |
| | | 42 | 1/1/2016 | 2,819.43 | 579.48 | 2,239.95 | 196,438.55 |
| | | 43 | 2/1/2016 | 2,819.43 | 572.95 | 2,246.48 | 194,192.07 |
| | | 44 | 3/1/2016 | 2,819.43 | 566.39 | 2,253.04 | 191,939.03 |
| | | 45 | 4/1/2016 | 2,819.43 | 559.82 | 2,259.61 | 189,679.42 |
| | | 46 | 5/1/2016 | 2,819.43 | 553.23 | 2,266.20 | 187,413.22 |
| | | 47 | 6/1/2016 | 2,819.43 | 546.62 | 2,272.81 | 185,140.41 |
| | | 48 | 7/1/2016 | 2,819.43 | 539.99 | 2,279.44 | 182,860.97 |
| | | 49 | 8/1/2016 | 2,819.43 | 533.34 | 2,286.09 | 180,574.88 |
| FY 2016 | 33,833.16 | 50 | 9/1/2016 | 2,819.43 | 526.68 | 2,292.75 | 178,282.13 |
| | | 51 | 10/1/2016 | 2,819.43 | 519.99 | 2,299.44 | 175,982.69 |
| | | 52 | 11/1/2016 | 2,819.43 | 513.28 | 2,306.15 | 173,676.54 |
| | | 53 | 12/1/2016 | 2,819.43 | 506.56 | 2,312.87 | 171,363.67 |
| | | 54 | 1/1/2017 | 2,819.43 | 499.81 | 2,319.62 | 169,044.05 |
| | | 55 | 2/1/2017 | 2,819.43 | 493.05 | 2,326.38 | 166,717.67 |
| | | 56 | 3/1/2017 | 2,819.43 | 486.26 | 2,333.17 | 164,384.50 |
| | | 57 | 4/1/2017 | 2,819.43 | 479.45 | 2,339.98 | 162,044.52 |
| | | 58 | 5/1/2017 | 2,819.43 | 472.63 | 2,346.80 | 159,697.72 |
| | | 59 | 6/1/2017 | 2,819.43 | 465.79 | 2,353.64 | 157,344.08 |
| | | 60 | 7/1/2017 | 2,819.43 | 458.92 | 2,360.51 | 154,983.57 |
| | | 61 | 8/1/2017 | 2,819.43 | 452.04 | 2,367.39 | 152,616.18 |
| FY 2017 | 33,833.16 | 62 | 9/1/2017 | 2,819.43 | 445.13 | 2,374.30 | 150,241.88 |
| | | 63 | 10/1/2017 | 2,819.43 | 438.21 | 2,381.22 | 147,860.66 |
| | | 64 | 11/1/2017 | 2,819.43 | 431.26 | 2,388.17 | 145,472.49 |
| | | 65 | 12/1/2017 | 2,819.43 | 424.29 | 2,395.14 | 143,077.35 |
| | | 66 | 1/1/2018 | 2,819.43 | 417.31 | 2,402.12 | 140,675.23 |
| | | 67 | 2/1/2018 | 2,819.43 | 410.30 | 2,409.13 | 138,266.10 |
| | | 68 | 3/1/2018 | 2,819.43 | 403.28 | 2,416.15 | 135,849.95 |
| | | 69 | 4/1/2018 | 2,819.43 | 396.23 | 2,423.20 | 133,426.75 |
| | | 70 | 5/1/2018 | 2,819.43 | 389.16 | 2,430.27 | 130,996.48 |
| | | 71 | 6/1/2018 | 2,819.43 | 382.07 | 2,437.36 | 128,559.12 |
| | | 72 | 7/1/2018 | 2,819.43 | 374.96 | 2,444.47 | 126,114.65 |
| | | 73 | 8/1/2018 | 2,819.43 | 367.83 | 2,451.60 | 123,663.05 |
| FY 2018 | 33,833.16 | 74 | 9/1/2018 | 2,819.43 | 360.68 | 2,458.75 | 121,204.30 |
| | | 75 | 10/1/2018 | 2,819.43 | 353.51 | 2,465.92 | 118,738.38 |
| | | 76 | 11/1/2018 | 2,819.43 | 346.32 | 2,473.11 | 116,265.27 |
| | | 77 | 12/1/2018 | 2,819.43 | 339.11 | 2,480.32 | 113,784.95 |
| | | 78 | 1/1/2019 | 2,819.43 | 331.87 | 2,487.56 | 111,297.39 |
| | | 79 | 2/1/2019 | 2,819.43 | 324.62 | 2,494.81 | 108,802.58 |
| | | 80 | 3/1/2019 | 2,819.43 | 317.34 | 2,502.09 | 106,300.49 |

City of Melissa - Tentative Payment Schedule

| | | Month | Date | 'ayment | Interest | Principal | Balance |
|---|---|---|---|---|---|---|---|
| | | 81 | 4/1/2019 | 2,819.43 | 310.04 | 2,509.39 | 103,791.10 |
| | | 82 | 5/1/2019 | 2,819.43 | 302.72 | 2,516.71 | 101,274.39 |
| | | 83 | 6/1/2019 | 2,819.43 | 295.38 | 2,524.05 | 98,750.34 |
| | | 84 | 7/1/2019 | 2,819.43 | 288.02 | 2,531.41 | 96,218.93 |
| | | 85 | 8/1/2019 | 2,819.43 | 280.64 | 2,538.79 | 93,680.14 |
| FY 2019 | 33,833.16 | 86 | 9/1/2019 | 2,819.43 | 273.23 | 2,546.20 | 91,133.94 |
| | | 87 | 10/1/2019 | 2,819.43 | 265.81 | 2,553.62 | 88,580.32 |
| | | 88 | 11/1/2019 | 2,819.43 | 258.36 | 2,561.07 | 86,019.25 |
| | | 89 | 12/1/2019 | 2,819.43 | 250.89 | 2,568.54 | 83,450.71 |
| | | 90 | 1/1/2020 | 2,819.43 | 243.40 | 2,576.03 | 80,874.68 |
| | | 91 | 2/1/2020 | 2,819.43 | 235.88 | 2,583.55 | 78,291.13 |
| | | 92 | 3/1/2020 | 2,819.43 | 228.35 | 2,591.08 | 75,700.05 |
| | | 93 | 4/1/2020 | 2,819.43 | 220.79 | 2,598.64 | 73,101.41 |
| | | 94 | 5/1/2020 | 2,819.43 | 213.21 | 2,606.22 | 70,495.19 |
| | | 95 | 6/1/2020 | 2,819.43 | 205.61 | 2,613.82 | 67,881.37 |
| | | 96 | 7/1/2020 | 2,819.43 | 197.99 | 2,621.44 | 65,259.93 |
| | | 97 | 8/1/2020 | 2,819.43 | 190.34 | 2,629.09 | 62,630.84 |
| FY 2020 | 33,833.16 | 98 | 9/1/2020 | 2,819.43 | 182.67 | 2,636.76 | 59,994.08 |
| | | 99 | 10/1/2020 | 2,819.43 | 174.98 | 2,644.45 | 57,349.63 |
| | | 100 | 11/1/2020 | 2,819.43 | 167.27 | 2,652.16 | 54,697.47 |
| | | 101 | 12/1/2020 | 2,819.43 | 159.53 | 2,659.90 | 52,037.57 |
| | | 102 | 1/1/2021 | 2,819.43 | 151.78 | 2,667.65 | 49,369.92 |
| | | 103 | 2/1/2021 | 2,819.43 | 144.00 | 2,675.43 | 46,694.49 |
| | | 104 | 3/1/2021 | 2,819.43 | 136.19 | 2,683.24 | 44,011.25 |
| | | 105 | 4/1/2021 | 2,819.43 | 128.37 | 2,691.06 | 41,320.19 |
| | | 106 | 5/1/2021 | 2,819.43 | 120.52 | 2,698.91 | 38,621.28 |
| | | 107 | 6/1/2021 | 2,819.43 | 112.65 | 2,706.78 | 35,914.50 |
| | | 108 | 7/1/2021 | 2,819.43 | 104.75 | 2,714.68 | 33,199.82 |
| | | 109 | 8/1/2021 | 2,819.43 | 96.83 | 2,722.60 | 30,477.22 |
| FY 2021 | 33,833.16 | 110 | 9/1/2021 | 2,819.43 | 88.89 | 2,730.54 | 27,746.68 |
| | | 111 | 10/1/2021 | 2,819.43 | 80.93 | 2,738.50 | 25,008.18 |
| | | 112 | 11/1/2021 | 2,819.43 | 72.94 | 2,746.49 | 22,261.69 |
| | | 113 | 12/1/2021 | 2,819.43 | 64.93 | 2,754.50 | 19,507.19 |
| | | 114 | 1/1/2022 | 2,819.43 | 56.90 | 2,762.53 | 16,744.66 |
| | | 115 | 2/1/2022 | 2,819.43 | 48.84 | 2,770.59 | 13,974.07 |
| | | 116 | 3/1/2022 | 2,819.43 | 40.76 | 2,778.67 | 11,195.40 |
| | | 117 | 4/1/2022 | 2,819.43 | 32.65 | 2,786.78 | 8,408.62 |
| | | 118 | 5/1/2022 | 2,819.43 | 24.53 | 2,794.90 | 5,613.72 |
| | | 119 | 6/1/2022 | 2,819.43 | 16.37 | 2,803.06 | 2,810.66 |
| | | 120 | 7/1/2022 | 2,819.43 | 8.20 | 2,811.23 | -0.57 |
| FY 2022 | **28,193.73** | **121** | **8/1/2022** | **-0.57** | **0.00** | **-0.57** | **0.00** |

# Collin County

## Mutual Boundary and City Road Upgrade Costs

| City | Road | County | Shared | City | Total Miles | **Column A** City Cost to pave shared segment only | **Column B** City Cost to pave City portion only | **Column A + Column B** | Precinct |
|---|---|---|---|---|---|---|---|---|---|
| Melissa | CR277 | 2.63 | 0.92 | 0.25 | 3.8 | $30,117.12 | $22,244.00 | $52,361.00 | 3 |
| Melissa | CR279 | 0.59 | | 0.33 | 0.92 | $0.00 | $90,082.08 | $90,082.08 | 3 |
| Melissa | CR362 | 0.04 | 0.32 | | 0.36 | $10,475.52 | $0.00 | $10,475.52 | 3 |
| Melissa | CR364 | 1.08 | 0.32 | | 1.4 | $10,475.52 | $0.00 | $10,475.52 | 3 |
| Melissa | CR418 | | 0.15 | 0.32 | 0.47 | $4,910.40 | $87,352.32 | $92,262.72 | 3 |
| Melissa | CR413 | 0.51 | 0.9 | | 1.41 | $29,462.40 | $0.00 | $29,462.40 | 3 |
| **Total** | | **4.85** | **2.61** | **0.9** | **8.36** | **$85,440.96** | **$199,678.40** | **$285,119.24** | |

4/5/2012