

VILLAGE OF ORLAND PARK  
Doogan Park Design  
WORK EFFORT AND FEE STRUCTURE  
Revised 10/4/2024

| Classification  | Engineer    |             |             |             | Survey   |          |            |            |            | CAD Manager | Sub         | Total Hours | Total Cost                           |
|---|-------------|-------------|-------------|-------------|----------|----------|------------|------------|------------|-------------|-------------|-------------|--------------------------------------|
|   | V           | IV          | III         | I/II        | V        | IV       | III        | II         | I          |             |             |             |                                      |
| Rate (\$/hr)  | \$235.00    | \$200.00    | \$175.00    | \$155.00    | \$240.00 | \$220.00 | \$200.00   | \$160.00   | \$135.00   | \$210.00    | \$1.00      |             |                                      |
| <b>Phase II - Design Engineering</b>                                      |             |             |             |             |          |          |            |            |            |             |             |             |                                      |
| Task 1A - Topographic Survey  |             |             |             |             | 4        | 4        | 8          | 45         | 45         | 20          |             | 126         | \$ 20,915.00                         |
| Task 1B - JULIE Utility Coordination                                      |             |             |             |             |          |          | 6          |            |            |             |             | 6           | \$ 1,200.00                          |
| Task 2 - Site Layout Alternates   | 12          | 12          |             | 24          |          |          |            |            |            |             |             | 48          | \$ 8,940.00                          |
| Task 3 - Stormwater Analysis (Site Only)                                  |             | 8           |             | 24          |          |          |            |            |            |             |             | 32          | \$ 5,320.00                          |
| Task 4 - Lighting Design (Pickleball, Tennis, Pavilion and Restroom Only) | 62          |             | 85          | 50          |          |          |            |            |            |             |             | 197         | \$ 37,195.00                         |
| Task 5 - Detailed Design (Excludes Drainage Imp. For Watershed)           | 32          | 0           | 160         | 240         |          |          |            |            |            |             |             | 432         | \$ 72,720.00                         |
| Task 6 - Irrigation Design  |             | 40          |             | 40          |          |          |            |            |            |             |             | 80          | \$ 14,200.00                         |
| Task 7 - Utility Coordination   |             |             | 12          | 24          |          |          |            |            |            |             |             | 36          | \$ 5,820.00                          |
| Task 8 - Shelter and Restroom Design                                      |             |             |             |             |          |          |            |            |            |             | 22000       | 0           | \$ 22,000.00                         |
| Task 9 - Geotechnical Investigation                                       |             |             |             |             |          |          |            |            |            |             | 20000       | 0           | \$ 20,000.00                         |
| Task 10 - QC /QA  | 12          | 16          |             |             |          |          |            |            |            |             |             | 28          | \$ 6,020.00                          |
| Task 11 - Grant Coordination, Project Management                          | 40          |             | 40          |             |          |          |            |            |            |             |             | 80          | \$ 16,400.00                         |
| Task 12 - Bidding Assistance  | 4           |             | 12          | 24          |          |          |            |            |            |             |             | 40          | \$ 6,760.00                          |
|   |             |             |             |             |          |          |            |            |            |             |             |             | <b>Subtotal Cost = \$ 237,490.00</b> |
| Subtotals   | 162         | 76          | 309         | 426         | 4        | 4        | 14         | 45         | 45         | 20          |             | 1105        |                                      |
| Percentage of Hours   | 14.7%       | 6.9%        | 28.0%       | 38.6%       | 0.4%     | 0.4%     | 1.3%       | 4.1%       | 4.1%       | 1.8%        |             | 100.0%      |                                      |
| Total Personnel Cost  | \$38,070.00 | \$15,200.00 | \$54,075.00 | \$66,030.00 | \$960.00 | \$880.00 | \$2,800.00 | \$7,200.00 | \$6,075.00 | \$4,200.00  | \$20,000.00 |             | <b>Running Cost = \$ 237,490.00</b>  |
|   |             |             |             |             |          |          |            |            |            |             |             |             | <b>Direct Cost = \$ 1,000.00</b>     |
|   |             |             |             |             |          |          |            |            |            |             |             |             | <b>TOTAL COST = \$ 238,490.00</b>    |

**Alternate**

|  |    |    |    |    |  |  |  |  |  |  |  |     |                                |
|--|----|----|----|----|--|--|--|--|--|--|--|-----|--------------------------------|
| Alternate Task A - Additional Lighting (Soccer & Baseball & Parking Lot) | 31 |    | 27 | 61 |  |  |  |  |  |  |  | 119 | \$ 21,465.00                   |
| Alternate Task B - Stormwater Analysis (Watershed)                       |    | 8  |    | 16 |  |  |  |  |  |  |  | 24  | \$ 4,080.00                    |
| Alternate Task C - Detailed Design (Drainage Imp. For Watershed)         | 8  | 60 |    |    |  |  |  |  |  |  |  | 68  | \$ 13,880.00                   |
|  |    |    |    |    |  |  |  |  |  |  |  |     | <b>ALT COST = \$ 39,425.00</b> |

**TOTAL (BASE + ALT) \$ 277,915.00**