



**New Town Hall  
Suffield, CT**

**Conceptual Design Cost Estimate  
Update #3**



**Prepared for:**

**edm**

**Unionville, CT**

**Prepared by:**

**D G Jones International, Inc.**

**3 Baldwin Green Common, #202**

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|  | Gross Floor Area (sf) | Elements (\$)     | 14,190<br>\$/sf | %              |
|--|-----------------------|-------------------|-----------------|----------------|
| <b>A Substructure</b>                                      |                       | <b>296,977</b>    | <b>20.93</b>    | <b>5.32%</b>   |
| A10 Foundations  |                       | 296,977           | 20.93           | 5.32%          |
| A20 Basement Construction                                  |                       | 0                 | 0.00            | 0.00%          |
| <b>B Shell</b>   |                       | <b>1,655,501</b>  | <b>116.67</b>   | <b>29.67%</b>  |
| B10 Superstructure   |                       | 536,259           | 37.79           | 9.61%          |
| B20 Exterior Enclosure                                     |                       | 916,722           | 64.60           | 16.43%         |
| B30 Roofing  |                       | 202,521           | 14.27           | 3.63%          |
| <b>C Interiors</b>   |                       | <b>944,237</b>    | <b>66.54</b>    | <b>16.93%</b>  |
| C10 Interior Construction                                  |                       | 505,697           | 35.64           | 9.06%          |
| C20 Stairs   |                       | 94,294            | 6.65            | 1.69%          |
| C30 Interior Finishes                                      |                       | 344,246           | 24.26           | 6.17%          |
| <b>D Services</b>  |                       | <b>1,417,067</b>  | <b>99.86</b>    | <b>25.40%</b>  |
| D10 Conveying Systems                                      |                       | 101,286           | 7.14            | 1.82%          |
| D20 Plumbing   |                       | 137,698           | 9.70            | 2.47%          |
| D30 Heating, Ventilating and Air Conditioning (HVAC)       |                       | 584,774           | 41.21           | 10.48%         |
| D40 Fire Protection Systems                                |                       | 148,420           | 10.46           | 2.66%          |
| D 50 Electrical Systems                                    |                       | 444,889           | 31.35           | 7.97%          |
| <b>E Equipment and Furnishings</b>                         |                       | <b>85,123</b>     | <b>6.00</b>     | <b>1.53%</b>   |
| E10 Equipment  |                       | 14,425            | 1.02            | 0.26%          |
| E 20 Furnishings   |                       | 70,698            | 4.98            | 1.27%          |
| <b>F Special Construction and Demolition</b>               |                       | <b>170,526</b>    | <b>12.02</b>    | <b>3.06%</b>   |
| F10 Special Construction                                   |                       | 170,526           | 12.02           | 3.06%          |
| F20 Selective Demolition                                   |                       | 0                 | 0.00            | 0.00%          |
| <b>G Building Sitework</b>                                 |                       | <b>1,009,357</b>  | <b>71.13</b>    | <b>18.09%</b>  |
| G10 Site Preparation                                       |                       | 516,499           | 36.40           | 9.26%          |
| G20 Site Improvements                                      |                       | 314,874           | 22.19           | 5.64%          |
| G30 Site Civil/Mechanical Utilities                        |                       | 119,404           | 8.41            | 2.14%          |
| G40 Site Electrical Utilities                              |                       | 58,580            | 4.13            | 1.05%          |
| G90 Other Site Construction                                |                       | 0                 | 0.00            | 0.00%          |
| <b>Sub Total Construction</b>                              |                       | <b>5,578,788</b>  | <b>393.15</b>   | <b>100.00%</b> |
| General Conditions/Requirements                            |                       | 781,030           | 55.04           |                |
| CM's Payment & Performance Bond                            | 1.00%                 | 63,598            | 4.48            |                |
| Builders Risk Insurance                                    |                       | By Owner          |                 |                |
| CM's Gen'l & Excess Liability Insurance                    | 1.25%                 | 80,293            | 5.66            |                |
| CM's Fee   | 3.00%                 | 195,111           | 13.75           |                |
| Building Permit Fee  |                       | Excluded          |                 |                |
| Escalation to mid-point of construction (2Q2020)           | 8.94%                 | 598,707           | 42.19           |                |
| Design Contingency   | 10.00%                | 729,753           | 51.43           |                |
| Construction Contingency                                   |                       | Excluded          |                 |                |
| <b>Total Construction Cost</b>                             |                       | <b>8,027,281</b>  | <b>565.70</b>   |                |
| <b>Furniture, Fixtures &amp; Equipment (FF&amp;E)</b>      |                       | <b>278,000</b>    |                 |                |
| Loose Furnishings  |                       | 200,000           |                 |                |
| Computer Equipment   |                       | 8,000             |                 |                |
| Server Room Relocation                                     |                       | 13,000            |                 |                |
| Telecommunications Equipment                               |                       | 10,000            |                 |                |
| Security System  |                       | 22,000            |                 |                |
| Access Control   |                       | 20,000            |                 |                |
| Audio/Visual Equipment                                     |                       | 5,000             |                 |                |
| <b>Fees and Expenses</b>                                   |                       | <b>1,225,561</b>  |                 |                |
| <b>Fees</b>  |                       | <b>903,001</b>    |                 |                |
| Architect/Engineers (10% of Construction + Furniture Cost) |                       | 822,728           |                 |                |
| Furniture Consultant (In A/E Fee)                          |                       | 0                 |                 |                |
| Cost Consultant (CM to do estimate)                        |                       | 0                 |                 |                |
| Building Commissioning (allow 1% of TCC)                   |                       | 80,273            |                 |                |
| <b>Expenses</b>  |                       | <b>322,560</b>    |                 |                |
| Survey   |                       | 12,000            |                 |                |
| Geotech  |                       | 3,200             |                 |                |
| Hazardous Materials Remediation                            |                       | 225,000           |                 |                |
| Permitting (\$0.26/\$1000)                                 |                       | 2,087             |                 |                |
| Materials Testing / Special Inspections (allow 1% of TCC)  |                       | 80,273            |                 |                |
| <b>Contingency</b>   |                       | <b>1,205,547</b>  |                 |                |
| Construction (7% construction costs)                       |                       | 561,910           |                 |                |
| Owner's Project (5% total costs)                           |                       | 504,638           |                 |                |
| Spent to Date  |                       | 139,000           |                 |                |
| <b>Project Cost</b>  |                       | <b>10,736,389</b> |                 |                |

## Notes

1. Brief project description:-
  - Demolition of existing and the construction of a new Town Hall Building complete with associated
  - Site Work/Utilities.
2. The estimate is based on the following:-
  - Prevailing wage rates.
  - CM type project.
  - Receipt of 4# bona fide bids for each sub contract.
  - Single contract.
  - Construction start date of 4Q2019.
  - 9 month construction period.
3. The gross floor areas were provided by edm.
4. Story heights:-
  - Varies.
5. General Conditions/Requirements area calculated later in this document.
6. Special Conditions for this project are included with General Conditions/Requirements.
7. Escalation is based on the following:-
  - Escalation is taken at 5% per annum to mid-point of construction (2Q2020).
8. Design Contingency is an allowance for future design modifications/additions, which alter the cost of the building as the design progresses, this percentage reduces as the design develops. It is based on a percentage of the sum of Sub-Total Construction, General Conditions/Requirements and Escalation. For this level of estimate the following has been included:-
  - 10.00%
9. Construction Contingency is an allowance for scope/design modifications made by the owner during construction and also for any unforeseen circumstances. It is based on a percentage of the sum of Sub-Total Construction, General Conditions/Requirements , Escalation and Design Contingency. The following has been included:-
  - Excluded
10. This estimate has been prepared from the following design information:-
  - Drawing received 09/04/18, 09/07/18 and 09/19/18.
  - Revit models received 09/04/18.
  - Narrative received 09/04/18.
  - Telephone conversations and emails with/from edm.
11. The estimate includes the following:-
  - See estimate.

## Notes (Cont'd)

12. The estimate excludes the following:-
  - Utility company backcharges.
  - Design consultants' fees.
  - Loose furniture, fittings and equipment.
  - Fire Pump.
  - Sales Tax.
  - Building Permit Fee.
  - Communications systems - Headend Equipment.
  - Fixed furniture, fittings and equipment (except as detailed in the estimate).
  - Hazardous material abatement.
  - Decontamination of soil
  - Removal of Contaminated Soil Material
  
13. Allowances:-
  - See Estimate.
  
14. Assumptions:-
  - None.
  
15. Estimates by other firms:-
  - None.
  
16. Common abbreviations included in this estimate:-
  - cf = cubic foot.
  - cte = connect to existing.
  - cy = cubic yard.
  - ea = each.
  - eo = extra over
  - extg = existing
  - flr = floor.
  - gfa = gross floor area
  - lb = pound.
  - lf = linear foot.
  - ls = lump sum.
  - ly = linear yard.
  - mg = make good.
  - opg = opening.
  - rsr = riser.
  - sf = square foot.
  - sy = square yard.
  - tn = ton.
  
17. Builders work in connection (BWIC) with conveying, mechanical and electrical systems includes the following:-
  - Drilling and coring.
  - Chasing.
  - Cutting and patching.

| Description  | Qty | Unit | Rate | Amount           | Total |
|--|-----|------|------|------------------|-------|
| <b>Summary</b>                                       |     |      |      |                  |       |
| A Substructure                                       |     |      |      |                  |       |
| A10 Foundations                                      |     |      |      | 296,977          |       |
| A20 Basement Construction                            |     |      |      | 0                |       |
| B Shell  |     |      |      |                  |       |
| B10 Superstructure                                   |     |      |      | 536,259          |       |
| B20 Exterior Enclosure                               |     |      |      | 916,722          |       |
| B30 Roofing  |     |      |      | 202,521          |       |
| C Interiors  |     |      |      |                  |       |
| C10 Interior Construction                            |     |      |      | 505,697          |       |
| C20 Stairs   |     |      |      | 94,294           |       |
| C30 Interior Finishes                                |     |      |      | 344,246          |       |
| D Services   |     |      |      |                  |       |
| D10 Conveying Systems                                |     |      |      | 101,286          |       |
| D20 Plumbing   |     |      |      | 137,698          |       |
| D30 Heating, Ventilating and Air Conditioning (HVAC) |     |      |      | 584,774          |       |
| D40 Fire Protection Systems                          |     |      |      | 148,420          |       |
| D 50 Electrical Systems                              |     |      |      | 444,889          |       |
| E Equipment and Furnishings                          |     |      |      |                  |       |
| E10 Equipment  |     |      |      | 14,425           |       |
| E 20 Furnishings                                     |     |      |      | 70,698           |       |
| F Special Construction and Demolition                |     |      |      |                  |       |
| F10 Special Construction                             |     |      |      | 170,526          |       |
| F20 Selective Demolition                             |     |      |      | 0                |       |
| G Building Sitework                                  |     |      |      |                  |       |
| G10 Site Preparation                                 |     |      |      | 516,499          |       |
| G20 Site Improvements                                |     |      |      | 314,874          |       |
| G30 Site Civil/Mechanical Utilities                  |     |      |      | 119,404          |       |
| G40 Site Electrical Utilities                        |     |      |      | 58,580           |       |
| G90 Other Site Construction                          |     |      |      | 0                |       |
| <b>Sub-Total Building</b>                            |     |      |      | <b>5,578,788</b> |       |

**A10 Foundations**

**Selective Demolition**

General Site Clearing at building footprint

Included with Site Demolition

**Removal of Hazardous Material**

Not required

Not Required

**Excavation**

Excavate & stockpile material on site for:-

Foundation Footing: -

|  |       |    |          |        |              |
|--|-------|----|----------|--------|--------------|
| Reduce level for addition, allow                       | 1,297 | cy | 10.43    | 13,527 |              |
| Extra over for being adjacent to existing basement     | 400   | sf | 15.26    | 6,105  |              |
| Underpinning/temporary supports to existing foundation |       |    |          |        | Not Required |
| Retaining wall footing, 6' 0" x 1' 2", perim           | 195   | cy | 10.43    | 2,034  |              |
| Retaining wall footing, 6' 0" x 1' 2", step            | 19    | cy | 10.43    | 198    |              |
| Wall footing, 2' 0" x 1' 0" , perim                    | 235   | cy | 10.43    | 2,451  |              |
| Wall footing, 3' 0" x 1' 0" , internal                 | 66    | cy | 10.43    | 688    |              |
| Column footing, F5' 0" x 5' 0" x 12", allow            | 35    | cy | 10.43    | 365    |              |
| 12" Elevator slab                                      | 13    | cy | 10.43    | 136    |              |
| EO for rock, allow 5% of excavated material            | 93    | cy | 45.79    | 4,258  |              |
| Water removal during excavation work                   | 1     | ls | 1,290.60 | 1,291  |              |
| Temporary support to basement excavation               | 1,512 | sf | 1.78     | 2,692  |              |
| Filling around foundations with excavated material     | 188   | cy | 8.65     | 1,626  |              |

| Description   | Qty   | Unit | Rate   | Amount | Total  |
|---|-------|------|--------|--------|--------|
| Remove surplus excavated material off site                              | 1,672 | cy   | 15.26  | 25,518 |        |
| Imported structural fill  | 188   | cy   | 30.53  | 5,740  |        |
| Compacted sand/gravel below sog   | 6,517 | sf   | 1.13   | 7,360  |        |
| Perimeter drainage system   | 260   | lf   | 21.37  | 5,556  | 79,545 |
| <b>Cast-In-Place Concrete</b>   |       |      |        |        |        |
| Foundation Footing  |       |      |        |        |        |
| Retaining wall footing, 6' 0" x 1' 2", perim                            | 33    | cy   | 167.89 | 5,540  |        |
| Retaining wall footing, 6' 0" x 1' 2", step                             | 3     | cy   | 167.89 | 504    |        |
| Wall footing, 2' 0" x 1' 0" , perim                                     | 20    | cy   | 167.89 | 3,358  |        |
| Wall footing, 3' 0" x 1' 0" , internal                                  | 7     | cy   | 167.89 | 1,175  |        |
| Column footing, F5' 0" x 5' 0" x 12", allow                             | 5     | cy   | 167.89 | 839    |        |
| Foundation Wall   |       |      |        |        |        |
| Retaining wall, 12" thick   | 56    | cy   | 172.98 | 9,687  |        |
| Foundation wall, 10" thick, perim                                       | 32    | cy   | 172.98 | 5,615  |        |
| Foundation wall, 12" thick, internal                                    | 9     | cy   | 172.98 | 1,640  |        |
| Elevator Pit Wall - 16" thick   | 12    | cy   | 172.98 | 2,153  |        |
| Pier/Pilaster, 1' 4" x 1' 4"  | 9     | cy   | 178.06 | 1,517  |        |
| Slab on grade   |       |      |        |        |        |
| 5" Slab on Grade  | 101   | cy   | 157.92 | 15,882 |        |
| 12" Elevator slab   | 4     | cy   | 157.92 | 643    |        |
| Slab edge detail  | 364   | lf   | 10.18  | 3,704  |        |
| Sog thickening at int wall, allow                                       | 4     | cy   | 157.92 | 559    |        |
| Saw cut control joint (1.25" deep)                                      | 6,517 | sf   | 0.76   | 4,973  |        |
| Connection between new and existing foundations incl #4 dowel at 12"c/c | 25    | lf   | 86.49  | 2,162  |        |
| Connection between new and existing wall incl #4 dowel at 12"c/c        | 12    | lf   | 86.49  | 1,038  |        |
| Trowel top of concrete slab   | 6,517 | sf   | 0.86   | 5,636  | 66,625 |
| <b>Concrete Formwork</b>  |       |      |        |        |        |
| Foundation Footing: -   |       |      |        |        |        |
| Retaining wall footing, 6' 0" x 1' 2", perim                            | 295   | sf   | 9.36   | 2,760  |        |
| Retaining wall footing, 6' 0" x 1' 2", step                             | 28    | sf   | 9.36   | 263    |        |
| Wall footing, 2' 0" x 1' 0" , perim                                     | 528   | sf   | 9.36   | 4,943  |        |
| Wall footing, 3' 0" x 1' 0" , internal                                  | 128   | sf   | 9.36   | 1,198  |        |
| Column footing, F5' 0" x 5' 0" x 12", allow                             | 52    | sf   | 9.36   | 487    |        |
| Foundation Wall   |       |      |        |        |        |
| Retaining wall, 12" thick   | 3,024 | sf   | 10.18  | 30,769 |        |
| Foundation wall, 10" thick, perim                                       | 2,112 | sf   | 10.18  | 21,490 |        |
| Foundation wall, 12" thick, internal                                    | 512   | sf   | 10.18  | 5,210  |        |
| Elevator Pit Wall - 16" thick   | 504   | sf   | 10.18  | 5,128  |        |
| Extra over for forming rebate/step to top of wall                       | 126   | lf   | 5.60   | 705    |        |
| Pier/Pilaster   |       |      |        |        |        |
| Pier/Pilaster, 1' 4" x 1' 4"  | 692   | sf   | 10.68  | 7,389  |        |
| Slab on grade   |       |      |        |        |        |
| 5" Slab on Grade  | 152   | sf   | 10.68  | 1,620  |        |
| 12" Elevator slab   | 42    | sf   | 10.68  | 449    | 82,410 |
| <b>Concrete Reinforcement (Re-bar)</b>                                  |       |      |        |        |        |
| Foundation Footing  |       |      |        |        |        |
| Retaining wall footing, 6' 0" x 1' 2", perim                            | 3,767 | lb   | 1.48   | 5,558  |        |
| Retaining wall footing, 6' 0" x 1' 2", step                             | 359   | lb   | 1.48   | 530    |        |
| Wall footing, 2' 0" x 1' 0" , perim                                     | 2,249 | lb   | 1.48   | 3,318  |        |
| Wall footing, 3' 0" x 1' 0" , internal                                  | 818   | lb   | 1.48   | 1,207  |        |
| Column footing, F5' 0" x 5' 0" x 12", allow                             | 554   | lb   | 1.48   | 817    |        |
| Foundation Wall   |       |      |        |        |        |
| Retaining wall, 12" thick   | 6,160 | lb   | 1.48   | 9,088  |        |
| Foundation wall, 10" thick, perim                                       | 3,571 | lb   | 1.48   | 5,268  |        |
| Foundation wall, 12" thick, internal                                    | 1,043 | lb   | 1.48   | 1,539  |        |
| Elevator Pit Wall - 16" thick   | 1,369 | lb   | 1.48   | 2,020  |        |
| Pier/Pilaster   |       |      |        |        |        |

| Description   | Qty          | Unit | Rate     | Amount         | Total                          |
|---|--------------|------|----------|----------------|--------------------------------|
| Pier/Pilaster, 1' 4" x 1' 4"  | 1,065        | lb   | 1.48     | 1,571          |                                |
| Slab on grade   |              |      |          |                |                                |
| 5" Slab on Grade  | 6,517        | sf   | 1.22     | 7,957          |                                |
| 12" Elevator slab   | 110          | sf   | 2.29     | 252            | 39,125                         |
| <b>Other Items</b>  |              |      |          |                |                                |
| Holding down bolt assembly set into pier/pilaster                                     | 26           | ea   | 254.38   | 6,614          |                                |
| Moisture mitigation   |              |      |          |                | Included with interior finish  |
| Waterproofing to exterior face for Retaining wall                                     | 1,512        | sf   | 7.89     | 11,923         |                                |
| Waterproofing to foundation wall  | 256          | sf   | 0.86     | 221            |                                |
| Waterproofing to elevator pit wall  | 252          | sf   | 7.89     | 1,987          |                                |
| 2" Rigid insulation to face of foundation/retaining wall                              | 1,512        | sf   | 1.88     | 2,846          |                                |
| Vapor barrier under sog (10mil)   | 6,517        | sf   | 0.66     | 4,310          |                                |
| Rigid insulation under sog (R-5) - 2' around perimeter                                | 728          | sf   | 1.88     | 1,370          | 29,272                         |
| <b>A10 Foundations</b>  | <b>Total</b> |      |          | <b>296,977</b> | 296,977                        |
| <b>A20 Basement Construction</b>  |              |      |          |                |                                |
| <b>No work in this Element</b>  |              |      |          |                | See Foundations                |
| <b>A20 Basement Construction</b>  | <b>Total</b> |      |          | <b>0</b>       | 0                              |
| <b>B10 Superstructure</b>   |              |      |          |                |                                |
| <b>B1010 Structural Framing</b>   |              |      |          |                |                                |
| Structural Steel members  |              |      |          |                |                                |
| Structural steel frame and roof   | 60           | ton  | 3,917.38 | 235,043        |                                |
| Wind bracing, allow   |              |      |          |                | Included with allowances above |
| Allow for structural steel connections, fittings, etc. allow 7.5% of structural steel |              |      |          |                | Included with allowances above |
| Shear studs (assume 20 shear connectors per 100 sf)                                   | 1,823        | ea   | 3.05     | 5,565          |                                |
| Moment connection   | 14           | ea   | 483.31   | 6,766          |                                |
| Base plate  | 26           | ea   | 437.50   | 11,375         |                                |
| EO for shop paint and field touch-up paint after steel installation                   | 1            | ls   | 1,711.30 | 1,711          |                                |
| Miscellaneous Structural Items  |              |      |          |                |                                |
| Feature columns   | 224          | lf   | 86.49    | 19,373         |                                |
| Loose steel to elevator hoistway, allow   | 1            | ls   | 5,053.13 | 5,053          |                                |
| Steel supports for mechanical equipment   | 3            | ton  | 5,053.13 | 15,159         |                                |
| Miscellaneous steel frames, assemblies, etc.  |              |      |          |                | Included with allowances above |
| Relieving angles at exterior wall   |              |      |          |                | Included with allowances above |
| Lintels over windows  |              |      |          |                | Included with allowances above |
|   |              |      |          |                | 300,046                        |
| <b>B1020 Floor and Roof Framing</b>   |              |      |          |                |                                |
| Suspended floor deck  |              |      |          |                |                                |
| 3" deep 18ga composite metal deck   | 9,116        | sf   | 4.73     | 43,131         |                                |
| 4 1/2" Normal weight concrete topping to metal deck                                   | 9,116        | sf   | 2.61     | 23,838         |                                |
| Re-Bar - #3 @ 15" TOP x 6' 0" long additional bar at girders                          | 5,925        | lb   | 1.48     | 8,742          |                                |
| 6x6-W2.9 wwf  | 9,116        | sf   | 0.97     | 8,812          |                                |
| Temporary prop to previous item   | 1            | ls   | 3,851.82 | 3,852          |                                |
| Floor deck edge closure pour stop   | 571          | lf   | 8.14     | 4,648          |                                |
| Finish concrete slab  | 9,116        | sf   | 1.02     | 9,276          |                                |
| Roof structure  |              |      |          |                |                                |
| Roof framing - pitched, wood rafters with light gauge steel (Plan Area)               | 7,090        | sf   | 9.16     | 64,927         |                                |
| Roof framing - overhang (Plan Area)   | 198          | sf   | 9.16     | 1,813          |                                |
| 1/2 inch plywood sheathing, pitched   | 8,017        | sf   | 1.83     | 14,683         | 183,722                        |

| Description   | Qty          | Unit | Rate     | Amount         | Total   |
|---|--------------|------|----------|----------------|---------|
| <b>B1030 Structural Fireproofing</b>                            |              |      |          |                |         |
| Structural Fireproofing   |              |      |          |                |         |
| Fire protection (allow, gfa)                                    | 15,633       | sf   | 2.19     | 34,199         |         |
| Intumescent paint to exposed steel, allow                       |              |      |          | Not Required   |         |
| Firestopping (allow, gfa)                                       | 15,633       | sf   | 1.17     | 18,293         | 52,492  |
| <b>B10 Superstructure</b>                                       | <b>Total</b> |      |          | <b>536,259</b> | 536,259 |
| <b>B20 Exterior Enclosure</b>                                   |              |      |          |                |         |
| <b>B2010 Exterior Wall</b>                                      |              |      |          |                |         |
| Exterior wall backup system                                     |              |      |          |                |         |
| Foundation wall, above ground at garage                         |              |      |          | None           |         |
| Steel stud back-up exterior wall                                | 8,326        | sf   | 3.36     | 27,956         |         |
| 1/2" plywood sheathing  | 8,326        | sf   | 1.88     | 15,672         |         |
| Air/vapor barrier   | 8,326        | sf   | 4.32     | 36,004         |         |
| 4" open foam cell spray insulation                              | 8,326        | sf   | 3.92     | 32,615         |         |
| 1/2" GWB  | 8,326        | sf   | 2.39     | 19,908         |         |
| EO 12" CMU at elevator  | 442          | sf   | 22.39    | 9,894          |         |
| EO reinforcing at vault   | 624          | sf   | 22.39    | 13,968         |         |
| Exterior Finish   |              |      |          |                |         |
| Brick Veneer  | 6,926        | sf   | 30.53    | 211,416        |         |
| Extra over for projecting brick bands,                          |              |      |          |                |         |
| Brick projection 1' 4" wide, vertical                           | 672          | lf   | 20.35    | 13,675         |         |
| External angle, 2' 8" wide                                      | 168          | lf   | 30.53    | 5,128          |         |
| Internal angle  | 28           | lf   | 20.35    | 570            |         |
| Extra over for cast stone features                              |              |      |          |                |         |
| Cast stone feature to bottom of projection                      | 40           | ea   | 356.13   | 14,245         |         |
| Cast stone feature to top of projection                         | 40           | ea   | 254.38   | 10,175         |         |
| Cast stone features band, horizontal                            | 375          | lf   | 66.14    | 24,802         |         |
| Cast stone watertable/plinth                                    | 375          | lf   | 66.14    | 24,802         |         |
| Cast stone fascia/freize  | 375          | lf   | 66.14    | 24,802         |         |
| Window sill   | 238          | lf   | 96.66    | 23,006         |         |
| EO brick Window surround, point brick                           | 992          | lf   | 35.61    | 35,310         |         |
| Boral siding, profiled  | 1,400        | sf   | 5.34     | 7,477          |         |
| Extra over for projecting bands,                                |              |      |          |                |         |
| Band 1' 4' wide, vertical                                       | 112          | lf   | 5.60     | 627            |         |
| Band, horizontal  | 73           | lf   | 11.70    | 854            |         |
| Trim around window  | 143          | lf   | 5.60     | 797            |         |
| Window sill, wood, exterior                                     | 48           | lf   | 25.44    | 1,208          |         |
| Lintels   |              |      |          |                |         |
| Wood header   | 48           | lf   | 15.26    | 725            |         |
| Steel lintels, arched   | 99           | lf   | 76.31    | 7,555          |         |
| Steel lintels   | 139          | lf   | 55.96    | 7,779          | 570,969 |
| <b>Roof Screen</b>  |              |      |          |                |         |
| Mechanical equipment roof screen system                         |              |      |          | Not Required   |         |
| <b>B2020 Exterior Window</b>                                    |              |      |          |                |         |
| Double Hung Fiberglass Window System, profile to match existing |              |      |          |                |         |
| 3' 0" x 6' 6"   | 4            | ea   | 1,587.30 | 6,349          |         |
| 5' 0" x 6' 6"   | 10           | ea   | 2,645.50 | 26,455         |         |
| 5' 6" x 6' 6"   | 14           | ea   | 2,910.05 | 40,741         |         |
| 5' 6" x 9' 6", curved head                                      | 18           | ea   | 4,891.12 | 88,040         |         |
| 9' 6" x 9' 6"   | 5            | ea   | 7,346.35 | 36,732         |         |
| Storefront  | 322          | sf   | 81.40    | 26,211         |         |
| Extra for DL doors, main entry                                  | 2            | ea   | 4,273.50 | 8,547          |         |
| Louver System, allow  | 25           | sf   | 81.40    | 2,035          |         |



| Description   | Qty          | Unit | Rate      | Amount         | Total   |
|---|--------------|------|-----------|----------------|---------|
| Exterior Sun Shade system                             |              |      |           | Not Required   | 235,110 |
| <b>B2030 Exterior Doors</b>                           |              |      |           |                |         |
| Exterior door - 3' 0" x 7' 0", SL                     | 1            | ea   | 2,350.43  | 2,350          |         |
| EO for sidelight                                      | 1            | ea   | 1,068.38  | 1,068          | 3,419   |
| <b>General Items</b>                                  |              |      |           |                |         |
| Fascia + sign 'Suffield Town Hall' over main entrance | 14           | lf   | 152.63    | 2,137          |         |
| Hardwood window sill and apron, internal              | 286          | lf   | 25.44     | 7,262          |         |
| Hardwood window trim to reveal and head, internal     | 1,087        | lf   | 15.26     | 16,583         |         |
| Exterior feature clock on gable, circular             | 1            | ls   | 7,631.25  | 7,631          |         |
| Staging/Scaffolding                                   | 10,943       | sf   | 3.56      | 38,971         |         |
| Exterior wall flashings                               | 1,537        | lf   | 9.16      | 14,075         |         |
| Exterior wall caulking and sealant                    | 1,537        | lf   | 2.70      | 4,144          |         |
| Exterior wall wood blocking                           | 4,611        | lf   | 3.56      | 16,421         |         |
| Expansion, control & isolation joints                 |              |      |           | Not Required   | 107,224 |
| <b>B20 Exterior Enclosure</b>                         | <b>Total</b> |      |           | <b>916,722</b> | 916,722 |
| <b>B30 Roofing</b>                                    |              |      |           |                |         |
| <b>B3000 Roof Coverings</b>                           |              |      |           |                |         |
| Asphalt Shingle Roof System                           |              |      |           |                |         |
| Glass-mat roof sheathing                              | 8,017        | sf   | 1.68      | 13,460         |         |
| Continuous air-barrier membrane                       | 8,017        | sf   | 4.32      | 34,669         |         |
| Rigid roof insulation (2" polyisocyanurate)           | 8,017        | sf   | 2.39      | 19,170         |         |
| Vented nail base insulation (5" thick)                |              |      |           | Not Required   |         |
| Roof underlayment                                     | 8,017        | sf   | 1.27      | 10,197         |         |
| Asphalt shingle roof, sloped                          | 8,017        | sf   | 4.93      | 39,563         |         |
| Flashings, etc.                                       |              |      |           |                |         |
| Perimeter detail at pitched roof                      | 375          | lf   | 25.44     | 9,539          |         |
| Ridge   | 185          | lf   | 15.26     | 2,824          |         |
| Valley  | 63           | lf   | 20.35     | 1,282          |         |
| Flashing at cupola wall                               | 92           | lf   | 30.53     | 2,808          |         |
| Exterior soffits                                      |              |      |           |                |         |
| Exterior soffit                                       | 93           | sf   | 15.26     | 1,419          | 134,930 |
| <b>B3020 Roof Openings</b>                            |              |      |           |                |         |
| None  |              |      |           | Not Required   |         |
| <b>Roof Cupola/Bell Tower</b>                         |              |      |           |                |         |
| Walls   | 560          | sf   | 31.82     | 17,820         |         |
| Roof  | 196          | sf   | 25.44     | 4,986          |         |
| Bell tower complete                                   | 1            | ls   | 15,262.50 | 15,263         |         |
| Staging/Scaffolding                                   | 1,120        | sf   | 5.34      | 5,983          | 44,052  |
| <b>General Items</b>                                  |              |      |           |                |         |
| Roof accessories, allow                               |              |      |           |                |         |
| Exterior soffit                                       | 415          | sf   | 8.65      | 3,589          |         |
| Aluminum gutter                                       | 205          | lf   | 15.26     | 3,129          |         |
| Aluminum rainwater leader                             | 224          | lf   | 13.23     | 2,963          |         |
| Cast iron boot  | 8            | ea   | 86.49     | 692            |         |
| Roof Hatch System                                     |              |      |           |                |         |
| Miscellaneous flashings                               | 1            | ls   | 1,526.25  | 1,526          |         |
| Sealant   | 1,430        | lf   | 2.04      | 2,910          |         |
| Blocking  | 2,145        | lf   | 4.07      | 8,730          | 23,539  |
| <b>B30 Roofing</b>                                    | <b>Total</b> |      |           | <b>202,521</b> | 202,521 |

| Description   | Qty    | Unit | Rate     | Amount                | Total   |
|---|--------|------|----------|-----------------------|---------|
| <b>C10 Interior Construction</b>                                |        |      |          |                       |         |
| <b>Partitions</b>   |        |      |          |                       |         |
| Masonry partitions  |        |      |          |                       |         |
| 12" CMU walls to stairwell                                      | 3,588  | sf   | 28.49    | 102,222               |         |
| 12" CMU walls to elev shaft                                     | 1,156  | sf   | 28.49    | 32,934                |         |
| 12" CMU walls EO bond beam                                      | 378    | lf   | 17.30    | 6,538                 |         |
| Interior drywall partitions                                     |        |      |          |                       |         |
| Metal stud partition, plasterboard b.s.                         | 10,504 | sf   | 9.82     | 103,137               |         |
| Metal stud partition, plasterboard o.s.                         | 390    | sf   | 7.28     | 2,837                 |         |
| EO Partition for, vault   | 624    | sf   | 15.62    | 9,746                 |         |
| Extra over for wet wall   | 1,197  | sf   | 1.22     | 1,462                 |         |
| EO for loading bearing partition                                | 2,101  | sf   | 3.00     | 6,302                 |         |
| GWB to exterior wall (stud measured in exterior const)          |        |      |          | Included in Div.B2010 |         |
| Sliding/folding partition                                       |        |      |          | Not Required          |         |
| Interior glazing  |        |      |          |                       |         |
| Wood framed Glazing   | 623    | sf   | 76.31    | 47,543                |         |
| Storefront  | 276    | sf   | 73.26    | 20,220                |         |
| Extra for DL doors, main entry                                  | 2      | ea   | 4,615.38 | 9,231                 |         |
| Window sill detail  | 286    | lf   |          | See Ext Encl          |         |
| Hardwood window sill and apron, internal windows                |        |      |          | Not Required          |         |
| Hardwood window trim to reveal and head, internal               | 369    | lf   | 15.26    | 5,632                 |         |
| Sealant   | 4,208  | lf   | 1.27     | 5,352                 |         |
| Blocking  | 2,104  | lf   | 2.70     | 5,673                 | 358,830 |
| <b>C1020 Doors</b>  |        |      |          |                       |         |
| Interior doors complete w/frame, hardware, paint, etc.          |        |      |          |                       |         |
| HM, SL, lower level, allow                                      | 4      | ea   | 1,671.71 | 6,687                 |         |
| HM, DL, lower level, allow                                      | 1      | ea   | 3,343.42 | 3,343                 |         |
| WD, SL  | 33     | ea   | 1,770.04 | 58,411                |         |
| WD, DL  | 2      | ea   | 3,540.09 | 7,080                 |         |
| Vault, DL   | 1      | ea   | 7,080.18 | 7,080                 |         |
| EO 1 hr, allow  | 7      | ea   | 330.69   | 2,315                 |         |
| EO fully glazed, allow  | 7      | ea   | 476.19   | 3,333                 |         |
| EO 1/2 glazed, allow  | 7      | ea   | 262.52   | 1,838                 |         |
| Sidelight, 2' 0"  |        |      |          | Incl w/Glazing above  |         |
| Pre-wire door for security/access control                       | 6      | ea   | 1,297.31 | 7,784                 |         |
| Sealant at openings   | 1,088  | lf   | 1.27     | 1,384                 |         |
| Blocking at openings  | 1,088  | lf   | 2.70     | 2,935                 | 102,190 |
| <b>Fittings</b>   |        |      |          |                       |         |
| Visual Display Surfaces, allow                                  |        |      |          |                       |         |
| Porcelain enamel marker boards, allow                           | 10     | ea   | 1,221.00 | 12,210                |         |
| Aluminum framed tack boards, allow                              | 10     | ea   | 488.40   | 4,884                 |         |
| Toilet Enclosures   |        |      |          |                       |         |
| Toilet cubicle (ADA)  | 4      | ea   | 1,271.88 | 5,088                 |         |
| Toilet cubicle (Regular)  | 8      | ea   | 915.75   | 7,326                 |         |
| Toilet Accessories  |        |      |          |                       |         |
| Toilet Room (Multiple)  | 4      | ea   | 1,602.56 | 6,410                 |         |
| Toilet Room (Single)  | 2      | ea   | 966.63   | Not Required          |         |
| Building Signage, allow   |        |      |          |                       |         |
| Door signage  | 41     | ea   | 101.75   | 4,172                 |         |
| Interior Directional Signage                                    | 1      | ls   | 3,976.64 | 3,977                 |         |
| Exterior Building Signage                                       |        |      |          | See Ext Walls         |         |
| Metal lockers   |        |      |          | Excluded              |         |
| Fire extinguisher complete w/cabinet & mounting hardware, allow | 3      | ea   | 117.01   | 351                   |         |
| Fire extinguisher complete w/ mounting hardware, allow          | 3      | ea   | 86.49    | 259                   | 44,677  |

| Description   | Qty          | Unit   | Rate      | Amount         | Total   |
|---|--------------|--------|-----------|----------------|---------|
| <b>C10 Interior Construction</b>  | <b>Total</b> |        |           | <b>505,697</b> | 505,697 |
| <b>C20 Stairs</b>   |              |        |           |                |         |
| <b>Stair Construction</b>   |              |        |           |                |         |
| Steel stairs with concrete filled treads, railings, landing complete w/concrete topping |              |        |           |                |         |
| Stairs (Main stairs) - 3' 6" x 20# risers, main feature stairs                          | 1            | flight | 17,806.25 | 17,806         |         |
| Stairs (Main stairs) - 3' 6" x 24# risers, main feature stairs                          | 1            | flight | 21,367.50 | 21,368         |         |
| Stairs - 3' 6" x 20# risers   | 1            | flight | 19,230.75 | 19,231         |         |
| Stairs - 3' 6" x 24# risers   | 1            | flight | 19,230.75 | 19,231         |         |
| Access ladder to Cupola, allow  | 1            | flight | 3,561.25  | 3,561          |         |
| Guardrail, to open area   | 32           | lf     | 152.63    | 4,884          |         |
| Rubber Stair Treads and Landings at Fire Stair  |              |        |           |                |         |
| Stair treads  | 382          | lf     | 16.28     | 6,219          |         |
| Stair landing and stair floor   | 196          | sf     | 10.18     | 1,994          | 94,294  |
| <b>C20 Stairs</b>   | <b>Total</b> |        |           | <b>94,294</b>  | 94,294  |
| <b>C30 Interior Finishes</b>  |              |        |           |                |         |
| <b>C3010 Interior Wall Finish</b>   |              |        |           |                |         |
| Interior Wall Finish  |              |        |           |                |         |
| Paint wall  | 34,784       | sf     | 1.12      | 38,932         |         |
| Ceramic tile to wet walls   | 1,197        | sf     | 15.26     | 18,269         |         |
| None, (elevator,etc).   | 1,408        | sf     |           | No finish      |         |
| Allow for miscellaneous/specialty wall finish   | 1,739        | sf     | 4.07      | 7,078          | 64,279  |
| <b>C3020 Interior Floor Finish</b>  |              |        |           |                |         |
| Interior Floor Finish   |              |        |           |                |         |
| Carpet  | 8,163        | sf     | 6.97      | 56,895         |         |
| Ceramic Tile  | 763          | sf     | 15.77     | 12,033         |         |
| Porcelain/stone tile  | 1,584        | sf     | 20.35     | 32,234         |         |
| VCT   | 1,501        | sf     | 5.29      | 7,942          |         |
| Concrete Sealant  | 546          | sf     | 1.68      | 917            |         |
| Stair, rubber at lowest level   | 371          | sf     | 10.18     | 3,775          |         |
| None  | 1,047        | sf     |           | No finish      |         |
| EO raiser floor   | 108          | sf     | 22.39     | 2,418          |         |
| Moisture mitigation, allow  | 9,664        | sf     | 3.61      | 34,908         | 151,121 |
| Interior Base Finish  |              |        |           |                |         |
| Wood base w/finish  | 1,784        | lf     | 7.53      | 13,433         |         |
| Ceramic tile base   | 228          | lf     | 16.28     | 3,712          |         |
| Porcelain/stone tile  | 455          | lf     | 18.82     | 8,565          |         |
| VCB/VB  | 349          | lf     | 4.07      | 1,420          |         |
| Stair, rubber at lowest level   | 112          | lf     | 6.11      | 684            |         |
| None  | 471          | lf     |           | No base        | 27,813  |
| <b>C3030 Interior Ceiling Finish</b>  |              |        |           |                |         |
| Ceiling finish  |              |        |           |                |         |
| Acoustic Ceiling Tile   | 12,474       | sf     | 5.85      | 72,981         |         |
| Paint soffit  | 546          | sf     | 1.53      | 833            |         |
| None  | 955          | sf     |           | No finish      |         |
| Extra over for feature ceiling, allow   | 1,247        | sf     | 10.18     | 12,692         |         |
| Soffits   |              |        |           |                |         |
| GWB soffit, allow   | 680          | lf     | 21.37     | 14,526         | 101,032 |

| Description  | Qty   | Unit | Rate         | Amount                   | Total          |
|--|-------|------|--------------|--------------------------|----------------|
| <b>C30 Interior Finishes</b>                             |       |      | <b>Total</b> | <b>344,246</b>           | 344,246        |
| <b>D10 Conveying Systems</b>                             |       |      |              |                          |                |
| <b>Conveying Systems</b>                                 |       |      |              |                          |                |
| Hydraulic Passenger Elevators                            |       |      |              |                          |                |
| Passenger elevator, 3 stop front opening, 2100lb, 150fpm | 1     | ea   | 99,300.00    | 99,300                   |                |
| Extra over for rear opening                              | 1     | ea   |              | Not Required             | 99,300         |
| <b>Sub-Contractor Bid</b>                                |       |      | <b>Total</b> | <b>99,300</b>            | 99,300         |
| Builders work in connection with Conveying               | 1     | ls   | 1,986.00     | 1,986                    | 1,986          |
| CM's Fee   |       |      |              | Included on Summary page |                |
| <b>D10 Conveying Systems</b>                             |       |      | <b>Total</b> | <b>101,286</b>           | 101,286        |
| <b>D20 Plumbing</b>                                      |       |      |              |                          |                |
| <b>Plumbing Fixtures</b>                                 |       |      |              |                          |                |
| WC - Wall-Hung Water Closet                              | 8     | ea   | 1,119.25     | 8,954                    |                |
| WC - Wall-Hung Water Closet (HC)                         | 4     | ea   | 1,170.13     | 4,681                    |                |
| LAV - Lavatory   | 8     | ea   | 1,042.94     | 8,344                    |                |
| Mop Sink and Janitors, allow                             | 2     | ea   | 1,068.38     | 2,137                    |                |
| Sink, kitchen  | 1     | ea   | 1,221.00     | 1,221                    |                |
| EWC - Electric Water Cooler, allow                       | 2     | ea   | 941.19       | 1,882                    |                |
| Hose bibb  | 4     | ea   | 1,170.13     | 4,681                    |                |
| Floor Drain, 3", allow                                   | 10    | ea   | 457.88       | 4,579                    | 36,477         |
| <b>Plumbing Equipment, allow</b>                         |       |      |              |                          |                |
| Water heating  | 1     | ea   | 5,567.30     | 5,567                    |                |
| Backflow preventer                                       | 1     | ea   | 2,187.63     | 2,188                    |                |
| Allow for boiler breaching drain/piping                  | 1     | ls   | 1,271.88     | 1,272                    |                |
| Thermostatically actuated mixing valve                   | 1     | ea   | 2,289.38     | 2,289                    |                |
| Domestic hot water pumping                               | 1     | ea   | 1,699.42     | 1,699                    | 13,016         |
| <b>Plumbing Piping</b>                                   |       |      |              |                          |                |
| Plumbing piping  | 1,560 | lf   | 35.61        | 55,556                   |                |
| Gas pipework, allow                                      | 1     | ls   | 4,578.75     | 4,579                    |                |
| Piping Fittings  | 1     | ls   | 12,237.32    | 12,237                   |                |
| Piping Valves & Accessories                              | 1     | ls   | 2,490.29     | 2,490                    |                |
| Piping Insulation  | 780   | lf   | 8.65         | 6,746                    |                |
| Special waste system, allow                              |       |      |              | Not Required             | 81,608         |
| <b>Storm Water System</b>                                |       |      |              |                          |                |
| See Roofing  |       |      |              | See Roofing              |                |
| <b>General</b>   |       |      |              |                          |                |
| Allow for seismic restraint & vibration isolation        | 1     | ls   | 1,250.00     | 1,250                    |                |
| Permit fees  |       |      |              | Not Required             |                |
| Test & balance   | 1     | ls   | 2,647.02     | 2,647                    | 3,897          |
| <b>Sub Bid</b>   |       |      | <b>Total</b> | <b>134,998</b>           | <b>134,998</b> |
| Builders work in connection with Plumbing @ 2%           | 1     | ls   | 2,699.96     | 2,700                    |                |

| Description   | Qty          | Unit | Rate      | Amount                   | Total          |
|---|--------------|------|-----------|--------------------------|----------------|
| CM's Fee  |              |      |           | Included on Summary page | 2,700          |
| <b>D20 Plumbing</b>   | <b>Total</b> |      |           | <b>137,698</b>           | <b>137,698</b> |
| <b>D 30 Heating, Ventilating, and Air Conditioning (HVAC)</b>             |              |      |           |                          |                |
| <b>Equipment (Option 1)</b>   |              |      |           |                          |                |
| Mini split units  | 15,633       | sf   | 11.45     | 178,949                  |                |
| Mini split units, ducted to areas greater than 250 sf                     | 15,633       | sf   | }         | Included                 |                |
| Hot Water Pumps   | 15,633       | sf   | }         | Included                 |                |
| Split System to vault and date room                                       | 15,633       | sf   | }         | Included                 |                |
| Chillers  | 15,633       | sf   | }         | Included                 |                |
| Exhaust Fans  | 15,633       | sf   | }         | Included                 |                |
| VAV units   | 15,633       | sf   | }         | Included                 |                |
| Fin tube radiation with enclosure   | 15,633       | sf   | }         | Included                 | 178,949        |
| <b>Ductwork</b>   |              |      |           |                          |                |
| Galvanized steel ductwork w/accessories, fittings, hangers, etc. (22ga):- |              |      |           |                          |                |
| Supply/Return/Exhaust System  | 9,380        | lb   | 9.41      | 88,283                   |                |
| Duct Fittings/Waste   | 1,407        | lb   | 9.41      | 13,243                   |                |
| Insulation to supply/return duct  | 6,671        | sf   | 4.58      | 30,546                   |                |
| Acoustic liner to supply/return duct                                      | 667          | sf   | 10.18     | 6,788                    |                |
| EO for stainless steel ductwork   |              |      |           | Not Required             |                |
| EO for black steel to Kitchen ductwork                                    |              |      |           | Not Required             |                |
| 8" flue to boiler   |              |      |           | See Reno                 |                |
| Diffusers/grilles/registers   | 35           | ea   | 213.68    | 7,479                    |                |
| Dampers, allow  |              |      |           |                          |                |
| Volume  | 35           | ea   | 106.84    | 3,739                    |                |
| Fire  | 3            | ea   | 254.38    | 763                      |                |
| Smoke   | 2            | ea   | 864.88    | 1,730                    | 152,571        |
| <b>Pipework</b>   |              |      |           |                          |                |
| HVAC Piping System  |              |      |           |                          |                |
| Refrigerant piping  |              |      |           |                          |                |
| Supply and return   | 782          | lf   | 25.44     | 19,892                   |                |
| Hot water piping  |              |      |           |                          |                |
| Supply and return   | 2,345        | lf   | 25.44     | 59,651                   |                |
| Allow for: -  |              |      |           |                          |                |
| Pipe Fittings   | 1            | ls   | 16,996.36 | 16,996                   |                |
| Piping Accessories  | 1            | ls   | 15,377.66 | 15,378                   |                |
| Piping Insulation   | 3,127        | lf   | 10.18     | 31,817                   | 143,734        |
| <b>Automatic Control System</b>   |              |      |           |                          |                |
| Automatic Temperature Control System                                      | 15,633       | sf   | 5.34      | 83,510                   | 83,510         |
| <b>General</b>  |              |      |           |                          |                |
| Commissioning by Third Party  | 1            | ls   | 1,396.91  | 1,397                    |                |
| Allow for seismic restraint & vibration isolation                         | 1            | ls   | 1,906.06  | 1,906                    |                |
| Test & balance  | 1            | ls   | 11,241.33 | 11,241                   | 14,544         |
| <b>Sub Bid</b>  | <b>Total</b> |      |           | <b>573,308</b>           | <b>573,308</b> |
| Builders work in connection with HVAC @ 2%                                | 1            | ls   | 11,466.16 | 11,466                   |                |
| CM's Fee  |              |      |           | Included on Summary page | 11,466         |
| <b>D 30 Heating, Ventilating, and Air Conditioning (HVAC)</b>             | <b>Total</b> |      |           | <b>584,774</b>           | <b>584,774</b> |

| Description   | Qty          | Unit | Rate      | Amount                   | Total   |
|---|--------------|------|-----------|--------------------------|---------|
| <b>D40 Fire Protection Systems</b>                      |              |      |           |                          |         |
| <b>Fire Protection Systems</b>                          |              |      |           |                          |         |
| Wet sprinkler system (gfa)                              | 15,633       | sf   | 5.09      | 79,533                   |         |
| Dry sprinkler system to attic                           | 3,358        | sf   | 7.63      | 25,622                   |         |
| Clean agent fire extinguishing system (gfa)             | 9,408        | cf   | 2.14      | 20,103                   |         |
| Fire Pump   |              |      |           | Excluded                 |         |
| New 6" fire service, allow for connecting to existing   | 1            | ls   | 1,322.75  | 1,323                    |         |
| Dry valve assembly                                      | 1            | ea   | 4,578.75  | 4,579                    |         |
| Fire dept connection                                    | 1            | ea   | 2,289.38  | 2,289                    |         |
| Standpipes will be located within each egress stairwell |              |      |           | Included w/rate above    |         |
| Fire Hose Valve Cabinet                                 | 3            | ea   | 2,899.88  | 8,700                    |         |
| Allow for seismic restraint                             | 1            | ls   | 508.75    | 509                      |         |
| Permit fees   |              |      |           | Not Required             |         |
| Test and balance  | 1            | ls   | 2,853.13  | 2,853                    | 145,510 |
| <b>Sub Bid</b>  | <b>Total</b> |      |           | <b>145,510</b>           | 145,510 |
| Builders work in connection with F. Protection @ 2%     | 1            | ls   | 2,910.19  | 2,910                    |         |
| CM's Fee  |              |      |           | Included on Summary page | 2,910   |
| <b>D40 Fire Protection Systems</b>                      | <b>Total</b> |      |           | <b>148,420</b>           | 148,420 |
| <b>D50 Electrical Systems</b>                           |              |      |           |                          |         |
| <b>Equipment, Panelboards, etc.</b>                     |              |      |           |                          |         |
| Emergency Generator, relocate existing                  | 1            | ea   | 6,613.75  | 6,614                    |         |
| Main distribution panel                                 | 1            | ea   | 12,725.26 | 12,725                   |         |
| Panelboards   | 6            | ea   | 2,035.00  | 12,210                   |         |
| Allow for additional distribution equipment             | 15,633       | sf   | 0.25      | 3,977                    | 35,526  |
| <b>Feeders</b>  |              |      |           |                          |         |
| Main feeder   | 75           | lf   | 101.75    | 7,631                    |         |
| Emergency feeder  | 75           | lf   | 101.75    | 7,631                    |         |
| Distribution feeders                                    | 450          | lf   | 35.61     | 16,026                   |         |
| Allow for additional feeders                            | 15,633       | sf   | 0.20      | 3,181                    | 34,469  |
| <b>Small Power</b>                                      |              |      |           |                          |         |
| Small Power   | 15,633       | sf   | 3.05      | 47,720                   |         |
| Electrical power to                                     |              |      |           |                          |         |
| HVAC & Plumbing Equipment                               | 15,633       | sf   | 1.12      | 17,497                   |         |
| Other Miscellaneous Equipment                           | 1            | ls   | 763.13    | 763                      | 65,980  |
| <b>Lighting</b>   |              |      |           |                          |         |
| Lighting System, LED                                    |              |      |           |                          |         |
| Lighting complete with wiring                           | 15,633       | sf   | 10.68     | 167,019                  |         |
| Lighting controls                                       | 15,633       | sf   | 1.27      | 19,883                   | 186,902 |
| <b>Fire Alarm</b>                                       |              |      |           |                          |         |
| Fire Alarm System,                                      | 15,633       | sf   | 2.54      | 39,766                   | 39,766  |
| <b>Security System</b>                                  |              |      |           |                          |         |
| Security panel/equipment, sensors, wiring, etc.         | 15,633       | sf   | 1.02      | 15,907                   | 15,907  |
| <b>Tel/Data/AV</b>                                      |              |      |           |                          |         |
| Wiring, points/outlets                                  | 15,633       | sf   | 2.54      | 39,766                   | 39,766  |

| Description   | Qty          | Unit | Rate     | Amount                   | Total   |
|---|--------------|------|----------|--------------------------|---------|
| <b>General</b>  |              |      |          |                          |         |
| Allow for:-   |              |      |          |                          |         |
| Lightning protection (gfa)  | 15,633       | sf   | 0.31     | 4,772                    |         |
| Grounding (gfa)   | 15,633       | sf   | 0.15     | 2,386                    |         |
| Seismic bracing   | 1            | ls   | 763.13   | 763                      |         |
| Commissioning by Third Party  | 1            | ls   | 1,082.30 | 1,082                    |         |
| Permit fees   |              |      |          | Not Required             |         |
| Testing   | 1            | ls   | 8,695.97 | 8,696                    | 17,699  |
| <b>Sub Bid</b>  | <b>Total</b> |      |          | <b>436,016</b>           | 436,016 |
| Builders work in connection with Electrical @ 2%                              | 1            | ls   | 8,872.93 | 8,873                    |         |
| CM's Fee  |              |      |          | Included on Summary page | 8,873   |
| <b>D50 Electrical Systems</b>   | <b>Total</b> |      |          | <b>444,889</b>           | 444,889 |
| <b>E10 Equipment</b>  |              |      |          |                          |         |
| <b>Commercial Equipment</b>   |              |      |          |                          |         |
| Food Service Equipment  |              |      |          | Not Required             |         |
| <b>Other Equipment</b>  |              |      |          |                          |         |
| Install Owners Equipment  | 1            | ls   | 750.00   | 750                      |         |
| Miscellaneous Equipment   | 1            | ls   | 1,250.00 | 1,250                    | 2,000   |
| <b>Residential Appliances</b>   |              |      |          |                          |         |
| Dishwasher  | 1            | ea   |          | Not Required             |         |
| Electric range  | 1            | ea   |          | Not Required             |         |
| Oven  | 1            | ea   |          | Not Required             |         |
| Range hood  | 1            | ea   |          | Not Required             |         |
| Microwave oven  | 1            | ea   | 475.00   | 475                      |         |
| Refrigerator/freezer  | 1            | ea   | 1,950.00 | 1,950                    | 2,425   |
| <b>Projector Screens</b>  |              |      |          |                          |         |
| Allowance - Conference Room   | 1            | ea   | 2,000.00 | 2,000                    |         |
| Allowance - Town Clerk  | 1            | ea   | 2,000.00 | 2,000                    |         |
| Allowance - Open Office   | 1            | ea   | 2,000.00 | 2,000                    |         |
| Allowance - Meeting   | 1            | ea   | 2,000.00 | 2,000                    |         |
| Allowance - Large Conference Room   | 1            | ea   | 2,000.00 | 2,000                    | 10,000  |
| <b>Audio Visual</b>   |              |      |          |                          |         |
| Audio Visual Equipment  |              |      |          | By Owner                 |         |
| <b>E10 Equipment</b>  | <b>Total</b> |      |          | <b>14,425</b>            | 14,425  |
| <b>E20 Furnishings</b>  |              |      |          |                          |         |
| <b>Roller Shades</b>  |              |      |          |                          |         |
| Mechoshades - manual  | 2,617        | sf   | 7.63     | 19,971                   | 19,971  |
| <b>Casework</b>   |              |      |          |                          |         |
| Casework Systems  |              |      |          |                          |         |
| Break room base cabinet w/solid surface countertop & backsplash, , 2' 0" wide | 8            | lf   | 401.91   | 3,215                    |         |
| Break room wall cabinet   | 8            | lf   | 188.24   | 1,506                    |         |
| Mail room base cabinet w/countertop & backsplash                              | 11           | lf   | 401.91   | 4,421                    |         |

| Description   | Qty    | Unit | Rate       | Amount         | Total   |
|---|--------|------|------------|----------------|---------|
| Mail room wall cabinet  | 11     | lf   | 188.24     | 2,071          |         |
| Public computers counter top, 1' 6" wide  | 10     | lf   | 137.36     | 1,374          |         |
| Town clerk custom reception counter, 2' 6" wide                                   | 52     | lf   | 330.69     | 17,196         |         |
| Town clerk custom reception counter, return 2' 0" wide                            | 26     | lf   | 228.94     | 5,952          |         |
| Town clerk copier countertop, 2' 6" wide  | 12     | lf   | 147.54     | 1,770          |         |
| Vanity, solid surface w/backsplash, allow   | 24     | lf   | 147.54     | 3,541          |         |
| Additional casework   | 1      | ls   | 2,355.32   | 2,355          |         |
| Casework Not in Contract  |        |      |            |                |         |
| Conf room table   | 1      | ea   |            | By Owner       |         |
| Land use work surface return, 2' 0" wide  | 32     | lf   |            | By Owner       |         |
| Land use work surface, 2' 6" wide   | 70     | lf   |            | By Owner       |         |
| Office (various) work surface return, 2' 0" wide                                  | 23     | lf   |            | By Owner       |         |
| Office (various) work surface, 2' 6" wide   | 35     | lf   |            | By Owner       |         |
| Open office, parks, finance work surface return, 2' 0" wide                       | 41     | lf   |            | By Owner       |         |
| Open office, parks, finance work surface, 2' 6" wide                              | 88     | lf   |            | By Owner       |         |
| Selectmans work surface return, 2' 0" wide  | 5      | lf   |            | By Owner       |         |
| Server work surface, 2' 6" wide   | 12     | ls   |            | By Owner       |         |
| Other Office work stations  | 1      | ls   |            | By Owner       |         |
| Other Furniture shown on drawings   | 1      | ls   |            | By Owner       | 43,401  |
| <b>Entry Mats</b>   |        |      |            |                |         |
| Walk off grill w/Pedigrid drainage pan, to both entrances                         | 120    | sf   | 61.05      | 7,326          | 7,326   |
| <b>E20 Furnishings</b>  |        |      |            | <b>70,698</b>  | 70,698  |
| <b>F10 Special Construction</b>   |        |      |            |                |         |
| Vault construction complete   | 1      | ls   | 170,525.82 | 170,526        | 170,526 |
| <b>F10 Special Construction</b>   |        |      |            | <b>170,526</b> | 170,526 |
| <b>F20 Selective Demolition</b>   |        |      |            |                |         |
| See site preparation for building demolition                                      |        |      |            | See Site Prep. |         |
| <b>F20 Selective Demolition</b>   |        |      |            | <b>0</b>       | 0       |
| <b>G10 Site Preparation</b>   |        |      |            |                |         |
| <b>Hazardous Material Removal</b>   |        |      |            |                |         |
| Removal of Hazardous Material (Excluded, see below the line cost on summary page) |        |      |            | Excluded       |         |
| <b>Building Demolition</b>  |        |      |            |                |         |
| Disconnect MEP utilities within the building                                      | 1      | ls   | }          |                |         |
| Extra over for disconnecting and removing cooling tower (across road)             | 1      | ea   | }          |                |         |
| Demolish and remove Town Hall building (170,464 cf)                               | 1      | ls   | 278,000.00 | 278,000        |         |
| Demolish and remove Annex building  | 1      | ls   | 175,000.00 | 175,000        |         |
| Demolish and remove existing concrete slab  | 5,134  | sf   | }          |                |         |
| Demolish and remove existing foundation walls                                     | 308    | lf   | }          |                |         |
| Loading & removing off site including dump fees                                   | 1      | ls   | }          |                | 453,000 |
| <b>Remove and dispose</b>   |        |      |            |                |         |
| General Site Clearing   | 53,972 | sf   | 0.36       | 19,221         |         |



| Description   | Qty    | Unit | Rate     | Amount         | Total   |
|---|--------|------|----------|----------------|---------|
| Allow for   |        |      |          |                |         |
| Miscellaneous demolition  | 1      | ls   | 2,543.75 | 2,544          |         |
| Terminating & capping extg utilities                                    | 1      | ls   | 3,764.75 | 3,765          |         |
| Protecting & maintaining in operation extg fire main & hydrants serving |        |      |          | Not Required   |         |
| Removal of rubbish off site   | 1      | ls   | 2,597.60 | 2,598          | 28,127  |
| <b>Earthwork</b>  |        |      |          |                |         |
| Strip topsoil & store on site   | 6,625  | sf   | 0.10     | 674            |         |
| Cut Site to achieve new proposed grade levels and store for reuse       | 245    | cy   | 7.12     | 1,745          |         |
| Fill required areas with previously excavated material                  |        |      |          | Not Required   |         |
| Import fill to achieve proposed grade levels, ramp and stair areas      | 40     | cy   | 30.53    | 1,221          |         |
| EO for excavating rock  | 12     | cy   | 48.84    | 586            |         |
| Remove excavated material off site                                      | 245    | cy   | 20.35    | 4,986          |         |
| Grade over entire site to achieve final levels                          | 53,972 | sf   | 0.10     | 5,492          |         |
| Proof Roll/Compact Building Slab-On-Grade area                          | 2,401  | sf   | 0.31     | 733            |         |
| Water removal during excavation works                                   | 1      | ls   | 471.20   | 471            | 15,908  |
| <b>Temporary work</b>   |        |      |          |                |         |
| Tree, protect extg  | 5      | ea   | 254.38   | 1,272          |         |
| Construction fence  | 995    | lf   | 9.16     | 9,112          |         |
| EO DL gate  | 1      | ea   | 457.88   | 458            |         |
| Site Entrance and access road during construction                       | 1      | ls   | 3,561.25 | 3,561          |         |
| Sediment & erosion control along temporary swale                        | 995    | lf   | 5.09     | 5,062          | 19,465  |
| <b>G10 Site Preparation</b>   |        |      |          | <b>516,499</b> | 516,499 |
|   |        |      |          |                |         |
| <b>G20 Site Improvements</b>  |        |      |          |                |         |
| <b>Site Paving</b>  |        |      |          |                |         |
| Roads, etr, repair, restripe  | 10,573 | sf   | 0.25     | 2,690          |         |
| Parking, etr, repair, restripe  | 9,493  | sf   | 0.25     | 2,415          |         |
| Sidewalk etr, repair where damaged by works                             | 942    | sf   | 0.71     | 671            |         |
| Parking, new including asphalt, sub base, etc.                          | 15,125 | sf   | 4.17     | 63,098         |         |
| Patio/paving around building  | 1,295  | sf   | 28.49    | 36,895         |         |
| Ramp  | 202    | sf   | 30.53    | 6,166          |         |
| Entrance landing  | 101    | sf   | 20.35    | 2,055          |         |
| Snow melt to ramp and landing   | 303    | sf   | 15.26    | 4,625          |         |
| Curb, etr, repair where damaged by works, allow                         | 1,363  | lf   | 2.85     | 3,883          |         |
| Curb, new   | 700    | lf   | 28.49    | 19,943         |         |
| New Sidewalk  | 1,200  | sf   | 7.12     | 8,547          |         |
| Pavement Marking & Signage  |        |      |          |                |         |
| 4" Wide white pavement stripe   | 400    | lf   | 1.05     | 419            |         |
| Stop stripe   | 20     | lf   | 2.10     | 42             |         |
| Handicap parking symbol   | 2      | ea   | 36.68    | 73             |         |
| Striping  | 150    | sf   | 0.56     | 84             |         |
| STOP symbol   | 1      | ea   | 36.68    | 37             |         |
| Allow for relining at resurfaced roads and parking                      | 1      | ls   | 1,526.25 | 1,526          |         |
| Wheel stop  | 2      | ea   | 131.00   | 262            | 153,430 |
| <b>Site Improvements</b>  |        |      |          |                |         |
| Entrance steps, allow stone, 17' 0" wide, 6 riser                       | 1      | ea   | 8,302.80 | 8,303          |         |
| Guardrail, ramp   | 102    | lf   | 152.63   | 15,568         |         |
| Guardrail, steps  | 22     | lf   | 152.63   | 3,358          |         |
| Retaining wall to patio   | 16     | lf   | 661.38   | 10,582         |         |
| Retaining wall to entrance ramp   | 41     | lf   | 864.88   | 35,460         |         |
| Planter, walls  | 51     | lf   | 661.38   | 33,730         |         |
| Retaining wall to new entrance  | 14     | lf   | 661.38   | 9,259          |         |
| Generator pad   | 200    | sf   | 18.32    | 3,663          |         |

| Description  | Qty          | Unit | Rate      | Amount         | Total                    |
|--|--------------|------|-----------|----------------|--------------------------|
| Cooling tower pad                                    | 300          | sf   | 18.32     | 5,495          |                          |
| Site furniture, bollards, etc., allow                | 1            | ls   | 2,543.75  | 2,544          |                          |
| Signage, allow                                       | 1            | ls   | 12,718.75 | 12,719         |                          |
| Traffic and Pedestrian signage, allow                | 1            | ls   | 1,780.63  | 1,781          | 142,460                  |
| <b>Site Landscaping</b>                              |              |      |           |                |                          |
| Landscaping  |              |      |           |                |                          |
| Seeding/Loam, disturbed areas                        | 12,543       | sf   | 0.85      | 10,721         |                          |
| Planter, gravel & soil (walls above, planting below) | 113          | sf   | 5.60      | 632            |                          |
| Planting   |              |      |           |                |                          |
| Allow for planting                                   | 1            | ls   | 7,631.25  | 7,631          | 18,984                   |
| <b>G20 Site Improvements</b>                         | <b>Total</b> |      |           | <b>314,874</b> | 314,874                  |
| <b>G30 Site Civil/Mechanical Utilities</b>           |              |      |           |                |                          |
| Storm System   |              |      |           |                |                          |
| Storm Line - Service                                 | 175          | lf   | 76.31     | 13,355         |                          |
| Bio retention, allow                                 | 1            | ls   | 15,262.50 | 15,263         |                          |
| Catch basin  | 1            | ea   | 2,289.38  | 2,289          |                          |
| Catch basin, Extg, raise cover level, allow          | 2            | ea   | 254.38    | 509            |                          |
| Drain manhole, DMH                                   | 1            | ea   | 4,934.88  | 4,935          |                          |
| Downspout connection                                 | 12           | ea   | 356.13    | 4,274          |                          |
| Maintain all existing systems                        | 1            | ea   | 3,561.25  | 3,561          | 44,185                   |
| <b>Fire /Water Service</b>                           |              |      |           |                |                          |
| Fire Line - Service                                  |              |      |           |                |                          |
| Fire Line - Service from street                      | 175          | lf   | 127.19    | 22,258         |                          |
| Connect to existing municipal fire service           | 1            | ea   | 3,306.88  | 3,307          |                          |
| Water Line - Service                                 |              |      |           |                |                          |
| Water Line - Service from street                     | 175          | lf   | 127.19    | 22,258         |                          |
| Connect to existing municipal water service          | 1            | ea   | 1,577.13  | 1,577          | 49,400                   |
| <b>Sanitary Service</b>                              |              |      |           |                |                          |
| Sanitary Line - Service from street                  | 175          | lf   | 66.14     | 11,574         |                          |
| Manhole, allow                                       | 1            | ea   | 4,934.88  | 4,935          |                          |
| Connect to existing municipal service                | 1            | ea   | 3,306.88  | 3,307          | 19,816                   |
| <b>Gas Service</b>                                   |              |      |           |                |                          |
| Gas Service - Piping by Gas Company                  |              |      |           |                | by Gas Company           |
| <b>General Items</b>                                 |              |      |           |                |                          |
| Connect to existing services                         | 2            | ea   | 1,271.88  | 2,544          |                          |
| Police detail for utility connections                | 40           | hour | 86.49     | 3,460          | 6,003                    |
| <b>G30 Site Civil/Mechanical Utilities</b>           | <b>Total</b> |      |           | <b>119,404</b> | 119,404                  |
| <b>G40 Site Electrical Utilities</b>                 |              |      |           |                |                          |
| <b>Site Electrical</b>                               |              |      |           |                |                          |
| Transformer  |              |      |           |                | By Electrical Utility    |
| Primary Service - Conduit and Ductbank Only, allow   | 200          | lf   | 112.38    | 22,475         |                          |
| Secondary Service - Conduit and Ductbank Only        | 75           | lf   | 112.38    | 8,428          |                          |
| Tel/data service - Conduit and Ductbank Only, allow  | 200          | lf   |           |                | Existing                 |
| Primary Service - Wiring                             |              |      |           |                | By Electrical Utility    |
| Secondary Service - Wiring                           |              |      |           |                | Included with Electrical |

**New Town Hall, Suffield, CT  
 Conceptual Cost Estimate, Update #3 : Estimate**

September 26, 2018

| <b>Description</b>                     | <b>Qty</b> | <b>Unit</b> | <b>Rate</b>  | <b>Amount</b> | <b>Total</b> |
|--|------------|-------------|--------------|---------------|--------------|
| Tel/data service - Wiring              | 200        | lf          |              | By Utility    |              |
| Connect to extg utility lines          | 2          | ea          | 1,271.88     | 2,544         |              |
| Police detail for utility connections  | 20         | hour        | 86.49        | 1,730         | 35,177       |
| <b>Site Lighting</b>                   |            |             |              |               |              |
| Site Lighting                          |            |             |              |               |              |
| Pole Light, allow                      | 4          | ea          | 4,578.75     | 18,315        |              |
| Bollard Light, allow                   | 4          | ea          | 1,271.88     | 5,088         | 23,403       |
| <b>G40 Site Electrical Utilities</b>   |            |             | <b>Total</b> | <b>58,580</b> | 58,580       |
| <br><b>G90 Other Site Construction</b> |            |             |              |               |              |
| No work in this Element                |            |             |              |               |              |
| <b>G90 Other Site Construction</b>     |            |             | <b>Total</b> | <b>0</b>      | 0            |

**Gross Floor Areas**

|                     | <u>GFA (sf)</u> | <u>Perimeter (lf)</u> |
|---------------------|-----------------|-----------------------|
| <u>New Building</u> |                 |                       |
| Lower Level         | 2,400           | 196                   |
| Ground/Street Level | 6,150           | 364                   |
| Upper Level         | 5,640           | 375                   |
| <b>Total GFA</b>    | <b>14,190</b>   |                       |