

**Barton  
Malow**

Southfield, Michigan

**Chippewa Valley Schools**

Clinton Township, MI

FINAL DRAFT 10/23/2009

**Shawnee Elementary**

Building Project Work List

| Category  | Work Item Description  | Qty.   | Unit | Unit Cost    | Projected Cost                | Escalation | Total Budget       |
|---|--|--------|------|--------------|-------------------------------|------------|--------------------|
| <b>Site Work</b>  |  |        |      |              |                               |            |                    |
|   | Replace concrete sidewalks and/or drives   | 5,000  | sf   | \$5.50       | \$27,500                      | \$2,800    | \$30,300           |
|   | Repave parking lot   | 25,000 | sf   | \$3.00       | \$75,000                      | \$7,700    | \$82,700           |
|   | Replace / add playground equipment   | 1      | ls   | \$150,000.00 | \$150,000                     | \$15,400   | \$165,400          |
|   | Add 2nd entry to main parking lot  | 1      | ls   | \$75,000.00  | \$75,000                      | \$7,700    | \$82,700           |
|   | Improve site signage and furnishings   | 1      | ls   | \$25,000.00  | \$25,000                      | \$2,600    | \$27,600           |
|   |  |        |      |              | <b>Site work subtotal</b>     |            | <b>\$388,700</b>   |
| <b>Remodeling Work</b>                                      |  |        |      |              |                               |            |                    |
| Exterior Work   |  |        |      |              |                               |            |                    |
|   | Expand card access system  | 5      | ea   | \$1,500.00   | \$7,500                       | \$800      | \$8,300            |
| Interior Work   |  |        |      |              |                               |            |                    |
|   | Renovate multipurpose room (floor, ceilings, light)  | 3,500  | sf   | \$50.00      | \$175,000                     | \$17,900   | \$192,900          |
| Electrical Work   |  |        |      |              |                               |            |                    |
|   | Add occupancy sensors  | 30     | ea   | \$400.00     | \$12,000                      | \$1,200    | \$13,200           |
|   | Install timer for water heating circ pump  | 1      | ls.  | \$2,000.00   | \$2,000                       | \$200      | \$2,200            |
|   | Install timers on drinking fountain  | 5      | ea   | \$100.00     | \$500                         | \$100      | \$600              |
|   | Replace fire alarm panel   | 1      | ls.  | \$7,500.00   | \$7,500                       | \$800      | \$8,300            |
|   |  |        |      |              | <b>Remodeling subtotal</b>    |            | <b>\$225,500</b>   |
|   | <b>Technology Infrastructure</b><br>(wiring, switches, security cameras, data drops)           | 1      | ls   | \$476,750    | \$476,750                     | \$0        | \$476,750          |
|   | <b>Instructional Technology Equipment</b><br>(student computers, interactive boards, printers) | 1      | ls   | \$724,300    | \$724,300                     | \$0        | \$724,300          |
| <b>Loose Furnishings/Equipment</b>                          |  |        |      |              |                               |            |                    |
|   | Non-instructional tech equip (office computers)  | 1      | ls   | \$21,400     | \$21,400                      | \$0        | \$21,400           |
|   | Replace furniture and furnishings  | 1      | ls   | \$66,150     | \$66,150                      | \$0        | \$66,150           |
|   | Replace copiers  | 1      | ls   | \$26,000     | \$26,000                      | \$0        | \$26,000           |
|   | Replace equipment  | 1      | ls   | \$10,000     | \$10,000                      | \$0        | \$10,000           |
|   |  |        |      |              | <b>F, F, &amp; E subtotal</b> |            | <b>\$123,550</b>   |
| <b>Total Construction/Technology/Loose Equipment Budget</b> |  |        |      |              |                               |            | <b>\$1,938,800</b> |
| Construction Contingency                                    |  |        |      |              |                               |            | \$55,300           |
| Plan Review / Inspection Fees / Cx                          |  |        |      |              |                               |            | \$10,000           |
| Construction General Conditions                             |  |        |      |              |                               |            | \$26,800           |
| CM Fee / Reimbursables                                      |  |        |      |              |                               |            | \$49,400           |
| A/E Fee / Reimbursables                                     |  |        |      |              |                               |            | \$46,900           |
| Technology General Conditions                               |  |        |      |              |                               |            | \$12,200           |
| Technology Designer / Manager                               |  |        |      |              |                               |            | \$85,600           |
| <b>Total Project Budget</b>                                 |  |        |      |              |                               |            | <b>\$2,225,000</b> |

The list shown describes the general intent of the project.  
The final detail of work may vary as the actual design is developed.

**Barton  
Malow**

Southfield, Michigan

**Chippewa Valley Schools**

Clinton Township, MI

FINAL DRAFT 10/23/2009

**Sequoyah Elementary**

Building Project Work List

| Category                                  | Work Item Description                             | Qty.   | Unit | Unit Cost    | Projected Cost                | Escalation | Total Budget     |
|---|---|--------|------|--------------|-------------------------------|------------|------------------|
| <b>Site Work</b>                          |   |        |      |              |                               |            |                  |
|   | Replace concrete sidewalks and/or drives          | 2,500  | sf   | \$5.50       | \$13,750                      | \$1,400    | \$15,150         |
|   | Add playground equipment                          | 1      | ls   | \$150,000.00 | \$150,000                     | \$15,400   | \$165,400        |
|   | Connect parking lot drives                        | 20,000 | sf   | \$5.00       | \$100,000                     | \$10,300   | \$110,300        |
|   | Add site lighting for playground                  | 3      | ea   | \$15,000.00  | \$45,000                      | \$4,600    | \$49,600         |
|   | Improve site signage and furnishings              | 1      | ls   | \$25,000.00  | \$25,000                      | \$2,600    | \$27,600         |
|   |   |        |      |              | <b>Site work subtotal</b>     |            | <b>\$368,050</b> |
| <b>Remodeling Work</b>                    |   |        |      |              |                               |            |                  |
| <b>Exterior Work</b>                      |   |        |      |              |                               |            |                  |
|   | Expand card access system                         | 5      | ea   | \$1,500.00   | \$7,500                       | \$800      | \$8,300          |
| <b>Interior Work</b>                      |   |        |      |              |                               |            |                  |
|   | Resurface folding wall in multipurpose room       | 1      | ls   | \$7,500.00   | \$7,500                       | \$800      | \$8,300          |
| <b>Electrical Work</b>                    |   |        |      |              |                               |            |                  |
|   | Install timer for water heating circ pump         | 1      | ls   | \$2,000.00   | \$2,000                       | \$200      | \$2,200          |
|   | Install timers on drinking fountain               | 5      | ea   | \$100.00     | \$500                         | \$100      | \$600            |
|   |   |        |      |              | <b>Remodeling subtotal</b>    |            | <b>\$19,400</b>  |
| <b>Technology Infrastructure</b>          |   |        |      |              |                               |            |                  |
|   | (wiring, switches, security cameras, data drops)  | 1      | ls   | \$378,750    | \$378,750                     | \$0        | \$378,750        |
| <b>Instructional Technology Equipment</b> |   |        |      |              |                               |            |                  |
|   | (student computers, interactive boards, printers) | 1      | ls   | \$679,900    | \$679,900                     | \$0        | \$679,900        |
| <b>Loose Furnishings/Equipment</b>        |   |        |      |              |                               |            |                  |
|   | Non-instructional tech equip (office computers)   | 1      | ls   | \$21,400     | \$21,400                      | \$0        | \$21,400         |
|   | Replace furniture and furnishings                 | 1      | ls   | \$70,425     | \$70,425                      | \$0        | \$70,425         |
|   | Replace copiers                                   | 1      | ls   | \$26,000     | \$26,000                      | \$0        | \$26,000         |
|   | Replace equipment                                 | 1      | ls   | \$10,000     | \$10,000                      | \$0        | \$10,000         |
|   |   |        |      |              | <b>F, F, &amp; E subtotal</b> |            | <b>\$127,825</b> |

**Total Construction/Technology/Loose Equipment Budget \$1,573,925**

|                                    |          |
|------------------------------------|----------|
| Construction Contingency           | \$34,900 |
| Plan Review / Inspection Fees / Cx | \$6,300  |
| Construction General Conditions    | \$16,900 |
| CM Fee / Reimbursables             | \$31,200 |
| A/E Fee / Reimbursables            | \$29,600 |
| Technology General Conditions      | \$10,800 |
| Technology Designer / Manager      | \$75,600 |

The list shown describes the general intent of the project.  
The final detail of work may vary as the actual design is developed.

**Total Project Budget \$1,779,225**

**Ottawa Elementary**  
Building Project Work List

| Category   | Work Item Description                           | Qty.  | Unit | Unit Cost    | Projected Cost                | Escalation | Total Budget     |
|--|---|-------|------|--------------|-------------------------------|------------|------------------|
| <b>Site Work</b>   |   |       |      |              |                               |            |                  |
|  | Replace concrete sidewalks and/or drives        | 5,000 | sf   | \$5.50       | \$27,500                      | \$2,800    | \$30,300         |
|  | Replace / add playground equipment              | 1     | ls   | \$150,000.00 | \$150,000                     | \$15,400   | \$165,400        |
|  | Replace basketball goals                        | 2     | ea   | \$2,000.00   | \$4,000                       | \$400      | \$4,400          |
|  | Replace flag pole                               | 1     | ls   | \$5,000.00   | \$5,000                       | \$500      | \$5,500          |
|  | Replace site lighting                           | 1     | ls   | \$50,000.00  | \$50,000                      | \$5,100    | \$55,100         |
|  | Improve site signage and furnishings            | 1     | ls   | \$25,000.00  | \$25,000                      | \$2,600    | \$27,600         |
|  |   |       |      |              | <b>Site work subtotal</b>     |            | <b>\$288,300</b> |
| <b>Remodeling Work</b>   |   |       |      |              |                               |            |                  |
| <b>Exterior Work</b>   |   |       |      |              |                               |            |                  |
|  | Replace exterior doors                          | 2     | ea   | \$3,000.00   | \$6,000                       | \$600      | \$6,600          |
|  | Install catwalk around roof top units           | 3     | ea   | \$10,000.00  | \$30,000                      | \$3,100    | \$33,100         |
|  | Replace roof hatches                            | 2     | ea   | \$2,500.00   | \$5,000                       | \$500      | \$5,500          |
|  | Expand card access system                       | 5     | ea   | \$1,500.00   | \$7,500                       | \$800      | \$8,300          |
|  | Replace doors on storage shed                   | 2     | ea   | \$2,500.00   | \$5,000                       | \$500      | \$5,500          |
|  | Replace classroom door hardware                 | 17    | ea   | \$750.00     | \$12,750                      | \$1,300    | \$14,050         |
| <b>Interior Work</b>   |   |       |      |              |                               |            |                  |
|  | Install climbing net in gym                     | 1     | ea   | \$7,300.00   | \$7,300                       | \$700      | \$8,000          |
|  | Add coat cubbies                                | 408   | ea   | \$100.00     | \$40,800                      | \$4,200    | \$45,000         |
|  | Replace toilet room partitions                  | 11    | ea   | \$1,000.00   | \$11,000                      | \$1,100    | \$12,100         |
|  | Install new casework in the art room            | 1     | ls   | \$12,000.00  | \$12,000                      | \$1,200    | \$13,200         |
|  | Replace tile on stage steps                     | 1     | ls   | \$2,500.00   | \$2,500                       | \$300      | \$2,800          |
|  | Replace flooring in storage rooms               | 2     | ea   | \$1,000.00   | \$2,000                       | \$200      | \$2,200          |
|  | Replace doors/frames/hardware                   | 10    | ea   | \$3,000.00   | \$30,000                      | \$3,100    | \$33,100         |
| <b>Mechanical Work</b>   |   |       |      |              |                               |            |                  |
|  | Replace vestibule heaters                       | 3     | ea   | \$5,000.00   | \$15,000                      | \$1,500    | \$16,500         |
|  | Replace rooftop units 1,2,3                     | 3     | ea   | \$30,000.00  | \$90,000                      | \$9,200    | \$99,200         |
| <b>Electrical Work</b>   |   |       |      |              |                               |            |                  |
|  | Install back-up generator                       | 1     | ls   | \$50,000.00  | \$50,000                      | \$5,100    | \$55,100         |
|  | Add occupancy sensors                           | 30    | ea   | \$400.00     | \$12,000                      | \$1,200    | \$13,200         |
|  | Install timer for water heating circ pump       | 1     | ls.  | \$2,000.00   | \$2,000                       | \$200      | \$2,200          |
|  | Install timers on drinking fountain             | 5     | ea   | \$100.00     | \$500                         | \$100      | \$600            |
|  | Replace building perimeter wall packs           | 1     | ls   | \$15,000.00  | \$15,000                      | \$1,500    | \$16,500         |
|  | Replace gym lighting with T5 fixtures           | 4,000 | sf   | \$6.00       | \$24,000                      | \$2,500    | \$26,500         |
|  | Replace fire alarm panel                        | 1     | ls   | \$7,500.00   | \$7,500                       | \$800      | \$8,300          |
|  | Replace all fixtures with T8 fixtures           | 5,000 | sf   | \$5.00       | \$25,000                      | \$2,600    | \$27,600         |
|  | Add motorized screen in media center            | 1     | ls   | \$5,000.00   | \$5,000                       | \$500      | \$5,500          |
|  |   |       |      |              | <b>Remodeling subtotal</b>    |            | <b>\$427,550</b> |
| <b>Technology Infrastructure</b><br>(wiring, switches, security cameras, data drops)           |   | 1     | ls   | \$288,000    | \$288,000                     | \$0        | \$288,000        |
| <b>Instructional Technology Equipment</b><br>(student computers, interactive boards, printers) |   | 1     | ls   | \$420,450    | \$420,450                     | \$0        | \$420,450        |
| <b>Loose Furnishings/Equipment</b>   |   |       |      |              |                               |            |                  |
|  | Non-instructional tech equip (office computers) | 1     | ls   | \$21,400     | \$21,400                      | \$0        | \$21,400         |
|  | Replace furniture and furnishings               | 1     | ls   | \$58,000     | \$58,000                      | \$0        | \$58,000         |
|  | Replace copiers                                 | 1     | ls   | \$22,000     | \$22,000                      | \$0        | \$22,000         |
|  | Replace equipment                               | 1     | ls   | \$10,000     | \$10,000                      | \$0        | \$10,000         |
|  |   |       |      |              | <b>F, F, &amp; E subtotal</b> |            | <b>\$111,400</b> |

**Total Construction/Technology/Loose Equipment Budget \$1,535,700**

|                                    |          |
|------------------------------------|----------|
| Construction Contingency           | \$64,400 |
| Plan Review / Inspection Fees / Cx | \$11,700 |
| Construction General Conditions    | \$31,200 |
| CM Fee / Reimbursables             | \$57,600 |
| A/E Fee / Reimbursables            | \$54,600 |
| Technology General Conditions      | \$7,300  |
| Technology Designer / Manager      | \$51,100 |

The list shown describes the general intent of the project.  
The final detail of work may vary as the actual design is developed.

**Total Project Budget \$1,813,600**

