

PROPOSAL AND CONTRACT

Submit Bid Proposal To: City Of Lansing Development Office 316 N. Capitol Ave. Suite D-2 Lansing, MI 48933-1234	Questions pertaining to these specifications contact: John McAllister Rehab Construction Specialist Phone: (517) 483-4054 Robin Edmondson Rehab Agent Phone: (517) 483-4056	07/21/2016 Specification Date 1417 Corbett St. / 48910 Project Address / Zip Code 33-01-01-20-330-051 Parcel/Project Number Owner's Name and Address <small>If address is blank, Homeowner's address is the same as project address</small> Jessica Madden 1417 Corbett St. Lansing, MI 48910
Pre-Bid Day / Date / Time: Wed., Aug. 03, 2016 @ 9:00am Bid Opening Day / Date / Time: Wed. Aug. 17, 2016 @ 3:00 pm Contractor to Bid: General w/ Trades Lead Abatement/Interim Control	For examination of the premises and working conditions contact: Owner: Jessica Madden Phone: ██████████ cell ██████████	

Proposal: We propose to furnish all supervision, labor, materials, tools, equipment, and services required to complete the work in accordance with the specifications and conditions contained herein, including attachments thereto, in consideration of the "Contract Amount" which shall consist of the "Base Proposal Sum" stated below plus any alternate(s) accepted by the Owner(s) under his/her/their acceptance below and agree that this document and all attachments will constitute a contract upon acceptance by the Owner(s).

Itemized Bid

General \$ 65,930
 Plumbing \$ 3,670
 Mechanical \$ 960
 Electrical \$ 3,775
 Asbestos \$ 1,665
Total Base Proposal Sum \$ 76,000

ofc. 641-7000
 cell 819-2677
Scott Frederickson Construction Corp
 Contractor / Company Name Phone Number
13339 Nelson Path, MI 48808
 Business Address City / State / Zip
38-2664241
 Social Security Number or Federal ID Number
Scott Frederickson 8-16-16
 Bidder's Signature Date

 Witness Date

Addendum Included YES NO
 Alternates(s) G1 \$ 4,250
 Alternates(s) \$ _____
 Alternates(s) \$ _____

Information below this line to be completed by Development Office Staff

Proceed to Work Agreement

I (We) understand that no additions and/or deletions may be made without the written approval of the Development Office staff.

By mutual agreement of all parties and the Development Office the Time for performance shall be **75** days.

ACCEPTANCE: The Owner(s) accepts this proposal and agrees to pay the contractor for the performance of the Contract subject to subsequent additions and/or deletions agreed upon between the Contractor and the Owner(s), the "Total Contract/Amount" which consists of the "Base Proposal Sum" stated above as modified by the selection of the alternate(s), and/or addendums, if any are listed below.

Selected Alternate(s): ^{G1} 4,250 Addendum(s) Total Contract Amount \$ 80,250

Jessica Madden 9/28/16 Owner's Signature / Date [Signature] 9/28/16 Owner's Signature / Date

Witness' Signature / Date

Materials + Labor

8. Bid Bond: Required if your bid meets the criterial listed in the Instructions to Bidders, Item number 31.

\$ 1,080

2. **BUILDING PERMIT**

Building Permit

Cost of building permit for work as specified.

Include detailed drawings of structure of decks, porches, additions, beams and headers as required by the Building Safety Office.

\$ 3,620

3. **TEAR OFF AND 7/16 OSB DECKING**

Tear Off and 7/16 OSB Decking

Remove and dispose of roofing materials to expose roof boards. Call Re-hab Construction Specialist for inspection when roof boards are exposed. Furnish and install new 7/16 inch O.S.B. decking over existing roof boards fastened securely to structure. NOTE that owner is responsible for removal and reinstallation of satellite dishes if present. Location: All areas of the house roof.

\$ 4,785

4. **ARCHITECTURAL SHINGLES**

Architectural Shingles

Furnish and install new 15 pound felt paper over entire roof. Furnish and install ice and water shield at all roof edges from the eave edges up the roof to at least two feet past the exterior wall, and full roll width in all valleys. Furnish new self-sealing, asphalt roofing shingles with a class "A" fire rating, as manufactured by Certainteed Landmark. Fasten new shingles securely to structure as recommended by the shingle manufacturer. Install new aluminum drip edge at all roof edges. Ensure that sound weathertight flashing is installed according to shingle manufacturers written instructions, at all valleys, junctions of roof and wall surfaces and at all roof penetrations. Include new aluminum chimney flashing with mortared-in counter flashing or "Pro-Flash" pre-manufactured counterflashing, as manufactured by "Moheco" or approved equal, installed and sealed with "Geocel 2300" Tripolymer Sealant, installed according to

Materials + Labor

manufacturers written instructions. Completed roofing to be free of scratched, dented or split shingles for a weathertight surface. Furnish and install new attic ventilation as per manufacturers written requirements. Furnish the Development Office with a written warranty from the manufacturer for the product installed for a minimum of 25 years. Verify shingle color with owner. Location: Entire Roof of House.

\$ 1,125

5. STEEL DOOR 6 PANEL

Steel Door 6 Panel

All requirements of 29 CFR 1926.62 (OSHA), 40 CFR part 745 (EPA) and 24 CFR part 35 (HUD) regarding abatement must be complied with in the implementation of the work specified herein. Using lead safe work practices remove door completely. Furnish and install new steel, prehung, insulated door as manufactured by Therma Tru Traditions Steel wood edge Series that is Energy Star Qualified. New steel door to have a minimum 10 year warranty. New door to be embossed with six panels. Verify style with owner. Installation to include weatherstripping and threshold for a complete installation. Replace casing. Paint all new and existing materials to include primer coat on all new surfaces. New door to meet all code requirements. Location: Replace the Garage service door. NOTE: The door, door casings and door stops have been identified as having hazardous lead based paint.

\$ 530

6. SECURITY LOCKS:

Security Locks:

At new steel door, furnish and install new class 2 keyed entry knob lockset and class 2 deadbolt as manufactured by SCHLAGE, with wood frame reinforcer with #12 x 3 inch diameter concealed hardened steel roller. Location: New entry door on the north side of the house, the new service door on the garage and the existing front entry door. (3 sets total, all keyed alike)

Materials + Labor

\$ 1,010**7. PAINT OVERHEAD DOOR****Paint Overhead door**

Prepare and paint the overhead garage door according to the general requirements. Verify color with owner. Location: Paint the existing overhead garage door on the garage.

\$ 470**8. WINDOW FILL****Window Fill**

All requirements of 29 CFR part 1926.62 (OSHA), 40 CFR part 745 (EPA) and 24 CFR part 35 (HUD) regarding abatement of lead based paint must be complied with in the implementation of the work specified herein. Using lead safe work practices remove existing window completely. Furnish and install new framing materials and sheathing to completely fill window opening. Provide exterior surface flush with existing siding to be read for vinyl siding installation. Location: Garage windows(2 total) NOTE: The window sash and window casings have been identified as having hazardous lead based paint.

\$ 4,190**9. SIDING AND TRIM****Siding and Trim**

All requirements of 29 CFR 1926.62 (OSHA), 40 CFR part 745 (EPA) and 24 CFR part 35 (HUD) regarding abatement of lead based paint must be complied with in the implementation of the work specified herein. Using lead safe work practices prepare existing surfaces for new siding and trim installation, furnish and install over existing wall surfaces, 1/2 inch thick Styrofoam Brand Extruded Polystyrene insulating backer board with a minimum R factor of 2.5 at 75 degrees F, as manufactured by Dow Chemical Company or approved equal and install new siding and trim. Tape all seam and seal all edges of styrofoam backer board. Wrap all overhangs and fascia with tyvek and caulk all edges of aluminum trim. Installation to meet all code requirements and proper technique to meet all manufacturers written instructions. Installation to include BUILDING OUT window and door trim where required to maintain existing reveals. Include UTILITY BLOCKS at all exterior lights, electrical outlets, sill cocks, and vent terminations. Furnish and install new contrasting arabic numeral house numbers a minimum of 4 inches in height not to

Materials + Labor

exceed 12 inches in height as per the Lansing Housing Code. Verify texture, colors, and style with owner. All siding and trim to be installed uniformly and securely to the structure to insure proper weather protection.

Vinyl Siding to be a minimum thickness of 0.042 inches as manufactured by Certainteed, "Mainstreet" or approved equal. Color to be uniform throughout.

Aluminum trim to be a minimum thickness of 0.019 inches as manufactured by Wolverine-Petronix Inc., Alcoa, Alcoa Anaconda Inc., or Reynolds. Furnish and install aluminum soffit and fascia. Installation to provide a complete, weathertight exterior and to enclose all lead based paint. Location: Entire exterior of the garage. NOTE: The siding, overhead door casings and jambs, fascia, overhang, exterior rafters and frieze trim have been identified as having hazardous lead base paint.

\$ 2,700

10. VINYL REPLACEMENT WINDOWS:

Vinyl Replacement Windows:

All Requirements of 29 CFR 1926.62 (OSHA), 40 CFR Part 745 (EPA), and 24 CFR Part 35 (HUD) regarding lead abatement must be complied with in the implementation of the work specified herein. Using lead safe work practices, remove existing window sashes. Prepare opening to receive new window. Fill weight cavity with loose packed fiberglass batt insulation. Replace window with new vinyl, thermopane replacement window unit as manufactured by RBS Performance Plus or approved equal, with glass package that meets MUEC requirements. New window to meet all code requirements. Provide new full snap in screen unit on operable windows. Re-wrap new exterior stops and existing casings and sills with aluminum trim and caulk all junctions of aluminum trim with window frames and with existing J-channel for a complete weathertight condition. Location: All seven(7)wood windows in the house. Note exterior sash of wood windows have been identified as having hazardous lead based paint.

Materials + Labor

- \$ 300 11. REPAIR CONCRETE PORCH:
 Concrete Landing
 Repair the concrete floor deck on the front porch. Clean areas to be repaired to remove all loose materials and surface coating that would interfere with bonding of concrete repair material. Repair with Quickcrete "Fast Set Repair Mortar" or approved equal to repair floor, use Quickcrete "Anchoring cement" or approved equal, to set new wrought iron feet and any loose feet.
 Location: Repair the broken corner of the front porch floor at the southwest corner of the porch and holes where railing feet were anchored to the concrete floor and steps. Repair the cracks across the concrete deck.
- \$ 540 12. CONCRETE STEPS AND LANDING
 Concrete Steps and Pad/Landing
 Remove and save concrete steps. Replace the concrete pad/landing, the first section of side walk in front of steps and the adjacent 2 sections on the north side of the pad and walk. Install new step pad/landing at an elevation required to re-install concrete steps level and with required riser heights. Install the new sidewalk section matching the width of the existing sidewalk and flush with the surface of the existing sidewalk to the west. Install the adjacent sections on the north side of the pad and walk flush with the concrete on all sides. Re-install concrete steps on the new pad/landing in a stable and code required condition. Location: Replace the concrete pad/landing at the steps to the front porch and the adjacent section of sidewalk west of the concrete step pad/landing and replace the 2 sections of concrete on the north side of the step pad and sidewalk section west of the step pad. Re-install existing concrete steps on the new concrete pad.

Materials + Labor

\$ 9,000 13. REPLACE WROUGHT IRON GUARDRAIL
 Replace Wrought Iron Guardrail

Remove and dispose of existing wrought iron guardrail and columns. Furnish and install new wrought iron guardrail and columns as manufactured by Troy Ornamental Iron and Fence, design R 3R. Handrail construction to include grippable 1 3/4" Cover Bar, 1 1/4" square posts with attached square mounting plates welded to posts, 1/2 inch square balusters and 1 inch bottom channel. Ends not abutting a structure shall have a lambs tongue finish. NOTE: DO NOT use mounting cups attached to concrete for installation. Location: Replace the wrought iron guardrail and columns at the front porch and steps to the front porch.

\$ 2830 14. REMOVE AND DISPOSE OF PORCH DECK
 Remove Porch Deck

Remove and dispose of existing wood porch deck, including all posts and the metal railing at the upper flight of steps. Location: Remove the wood porch deck and metal railing on the north side of the house.

\$ 3720 15. REPLACE EXTERIOR STEPS
 Replace Exterior Steps:

Remove existing two flights of concrete steps and intermediate landing. Furnish and install new concrete landing and new closed, raised wood steps. Provide a new concrete landing at the bottom of the stairway at the elevation required to install wood steps with code compliant rise and run from the landing up to the concrete porch deck surface. Provide footings and new wood support posts for a complete and stable condition. Steps to be 2 inch (nominal) treated lumber. Furnish and install a treated wood guardrail on the north side of the steps. Provide new pressure treated, weather resistant wood or approved equal. All work to meet code requirements. Location: Replace the two flights of steps from the concrete porch on the north side of the house down to the sidewalk at bottom of the 2 flights of steps. Install the guardrail on the north side of the new steps. (Extend the existing sidewalk to the west so as to serve as a concrete landing at the bottom of the new wood steps.

Materials + Labor

\$ 760**16. TREATED GUARDRAIL WITH 2 X 2 BALUSTERS**

Treated Guardrail with 2 x 2 Balusters

Furnish and install new pressure treated wood guardrail to include 2 x 2 balusters. New guardrail shall be installed to meet code requirements. Location: At the north and east sides of the concrete porch on the north side of the house. (after the deck is removed)

\$ 760**17. REFINISH THRESHOLDS**

Refinish Thresholds

All requirements of 29 CFR part 745 (OSHA), 40 CFR 1926.62 (EPA) and 24 CFR part 35 (HUD) regarding abatement of lead based paint must be complied with in the implementation of the work specified herein. Using lead safe work practices remove paint using approved chemical stripper. Prepare and paint surfaces with porch and floor enamel, according to the general requirements. Location: Remove the paint from the door threshold at the front entrance door and the threshold at the (including the kick board) at the west entrance on the north side of the house and repaint. NOTE: The thresholds have been identified as having hazardous lead based paint.

\$ 75**18. REPAIR DOWNSPOUT**

Repair downspout:

Fasten loose downspout sections together with pop rivets matching color of downspouts. Fasten downspout securely to structure. Match color of rivets to existing gutters as closely as possible. Location: Secure the loose downspout sections together at the northeast corner of the house and secure the downspouts at the northeast corner of the house to the house.

\$ 70**19. SIDING REPAIR**

Siding Repair

Replace missing and secure loose corner trim pieces on the corners of the siding. Location: One high up on the west corner on the south side and one low on the east corner on the south side of the house.

Materials + Labor

- \$ 955 20. **GLASSBLOCK WINDOW**
Glassblock Window
All requirements of 29 CFR 1926.62 (OSHA), 40 CFR part 745 (EPA) and 24 CFR part 35 (HUD) regarding abatement must be complied with in the implementation of the work specified herein. Using lead safe work practices remove and dispose of existing basement windows completely. If sill is below grade, furnish and install new block and mortar to raise sill above grade. Furnish and install new glass block and vent assembly with minimum vent size of 16" by 8" as manufactured by West Michigan Glass Block or approved equal. Provide a secure and weathertight installation. Finish interior to provide a complete installation. New window to meet all code requirements. Location: The (3) wood windows in the basement. Note: The basement windows have been identified as having hazardous lead based paint.
- \$ 150 21. **REFINISH WINDOW FRAME**
Refinish Window frame
All requirements of 29 CFR 1926.62 (OSHA), 40 CFR Part 745 (EPA) and 24 CFR part 35 (HUD) regarding interim controls for lead based paint must be complied with in the implementation of the work specified herein. Using lead safe work practices prepare surfaces by wet scraping and repaint surfaces according to teh general requirements. Verify color with owner. Location: Prepare and re-paint the interior and exterior exposed wood painted surfaces at the glass block window frame on the north side of the basement and repaint. NOTE: The wood frame around the glass block window has been identified as having hazardous lead based paint.
- \$ 210 22. **BLOCK IN CRAWLSPACE WINDOW**
Crawlspace Access Door
All requirements of 29 CFR 1926.62 (OSHA), 40 CFR part 745 (EPA) and 24 CFR part 35 (HUD) regarding abatement of lead based paint must be complied with in the implementation of the work specified herein. Using lead safe work practices remove and dispose of existing window completely. Furnish and install block and mortar to fill opening completely. Location: Remove the existing window in the crawlspace under the east end of the kitchen. (under the deck that is to be removed) Fill the opening with block and

Materials + Labor

mortar. NOTE: The window in the crawl space under the east end of the kitchen has been identified as having hazardous lead based paint.

\$ 1175

23. REPLACE DOOR STOPSReplace Door Stop

All requirements of 29 CFR 1926.62 (OSHA), 40 CFR part 745 (EPA) and 24 CFR part 35 (HUD) must be complied with in the implementation of the work specified herein, Using lead safe work practices replace door stops with new wood window stop. Match style of stops as closely as possible. Prime and paint to match adjacent trim. Location: Replace the door stops on the front entrance door, the west entrance door on the north side of the house and at the doorways at the east and west end of the hallway between the front entry and the kitchen. (stops at 4 doorways) NOTE: The door stops at these doorways have been identified as having hazardous lead based paint.

\$ 6300

24. PAINING, INTERIM CONTROLSPainting, Interim Controls

All requirements of 29 CFR 1926.62 (OSHA), 40 CFR Part 745 (EPA), and 24 CFR Part 35 (HUD) regarding Interim Controls must be complied with in the implementation of the work specified herein. Using lead safe work work practices wet scrape and wet sand all specified component surfaces, make necessary repairs, stabilize all surfaces and repaint, per the General Requirements. Apply primer coat to all new and bare surfaces. Verify colors of final coat with owner. Locations: In the hallway between the front entry and kitchen: Prepare and paint the baseboard, the west, east and south door casings, the west south and east door jambs, the closet walls and ceiling on the south side of the hallway and the closet trim and shelf bracket in the closet on the south side of the hallway. In the kitchen: Prepare and paint the west and east walls, the door casings at the west and south doorways and the door jambs at the west doorway. In the 2nd floor Bathroom: Prepare and paint the entrance door casings and jambs, and the window casings, stool and jambs. In the basement stairway: Prepare and paint The west, east and south walls, The beige painted ceiling, the baseboards, the ledge on the north wall, the beige painted corner board, the coat rack and the door jambs and casings at the interior of the entrance door at the

Materials + Labor

north side of the stairway. In the northwest bedroom: Prepare and paint the window jambs and the window sills. NOTE: These components have been identified as having hazardous lead based paint

- \$ 150 - 25. **ENCLOSE RISER**
 Enclose riser
 All requirements of 29 CFR 1926.62 (OSHA), 40 CFR part 745 (EPA) and 24 CFR part 35 (HUD) regarding abatement of lead based paint must be complied with in the implementation of the work specified herein. Using lead safe work practices enclose lead base paint painted riser with 1/4 inch luan plywood. Seal all edges of the plywood enclosure. Prime and paint new wood with porch and floor enamel to match adjacent tread. Location: Enclose the black painted riser at the step up to the main floor from the landing at the entrance door in the basement stairway. NOTE: The riser has been identified as having hazardous lead based paint.
- \$ 300 - 26. **REMOVE WOOD THRESHOLD**
 Remove wood threshold
 All requirements of 29 CFR 1926.62 (OSHA), 40 CFR part 745 (EPA) and 24 CFR part 35 (HUD) regarding abatement of lead based paint must be complied with in the implementation of the work specified herein. Using lead safe work practices remove and dispose of wood threshold with hazardous lead based paint. Location: Remove and dispose of the wood threshold in the doorway to the storeroom in the southwest corner of the basement. NOTE: The wood threshold has been identified as having hazardous lead based paint
- \$ 330 - 27. **EXTERIOR CEILING LIGHT FIXTURE**
 Exterior Ceiling Light Fixture
 All requirements of 29 CFR 1926.62 (OSHA), 40 CFR part 745 (EPA) and 24 CFR part 35 (HUD) regarding abatement must be complied with in the implementation of the work specified herein. Using lead safe work practices replace exterior ceiling mounted light fixture with new fixture as manufactured by SEA GULL LIGHTING, model SEA7567-12, or approved equal to meet code requirements. Location: Replace the ceiling mounted light fixture on the front porch ceiling. NOTE: This fixture has been identified as having hazardous lead based paint.

Materials + Labor

- \$ 1430 28. **CLEARANCE CLEANING**
Clearance Cleaning
After all work is complete, clean all areas of the house as required to eliminate lead dust and to obtain final clearance for lead based paint hazards. Clean using methods approved by HUD and the CDC. Location: Entire house.
- \$ 1440 29. **VAPOR BARRIER:**
Vapor Barrier:
Furnish and install new 6 mil thick plastic vapor barrier installed to meet all code requirements at entire crawlspace floor and up on the walls at least 6 inches. Lap all seams at least 6 inches and tape all seams. Location: Install new 6 mil vapor barrier in the crawlspaces for a complete installation so as to meet code requirements.
- \$ 1150 30. **BEARING WALL/GUARDRAIL**
Bearing wall/guardrail
Furnish and install new wood framing for complete floor to ceiling bearing wall with treated wood bottom plate. Furnish and install minimum 3/8 inch good one side plywood on the stairway side of the wall with the good facing the stairway. Location: Install the bearing wall on the open side of the lower flight of the basement stairway.
- \$ 335 31. **HANDRAIL**
Handrail
Furnish and install new wood handrail with returns to meet code requirements. Location: At both flights of the basement stairway.

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\$ 395 32. SUPPORT STAIRWAY LANDING
Support Stairway Landing

Furnish and install a sister joist on the east side of the landing frame and a 4x4 treated post under the south corners of the landing frame. Install metal gussets to tie the posts to the landing frame and a 2x4 diagonal braces and cross brace to hold the posts plumb. Location: At the basement stairway landing in the basement.

\$ 325 33. STAIRWAY REPAIR
Stairway Repair

Draw the stair stringers together tight to the stair treads and secure with 3 1/2 inch screws. Furnish and install solid risers secured to treads and stringers to meet code requirements. Location: Lower flight of the basement stairway.

\$ 1095 34. SISTER FLOOR JOIST
Sister Floor Joist

Furnish and install new floor joist adjacent to and matching size of existing joist. Provide bearing and anchorage to carry floor loads. To include removal and re-installation of any electrical wiring, plumbing, ductwork, phone line and cable as required to install new sister, to meet code requirements. Location: Sister the 2nd, 3rd, 4th and 8th joist south of the stairwell.

\$ 195 35. JOIST REPAIR
Joist Repair

Furnish and install proper fasteners at existing joist splice. Location: The spliced joist near the furnace.

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- \$ 850 36. **JOIST HANGERS**
 Joist Hangers
 Furnish and install new metal joists hangers at junctions of headers and beams with floor joists. Provide bearing and anchorage to carry floor loads. Location: At the east and west ends of the basement stairwell opening in the basement. At the landing platform in the basement stairwell. At the duct opening next to the west beam. At the header south of the chimney in the east section of the basement.
- \$ 100 37. **HANDRAIL REPAIR**
 Handrail Repair
 Repair handrail to insure a safe and secure condition to meet code requirements. Include adding returns to handrail to meet code requirements. Finish returns to match existing handrail. Location: Add handrail returns on the handrail at the upper flight of stairs to the 2nd floor.
- \$ 210 38. **PASSAGE LOCKSET**
 Passage Lockset
 At existing door, furnish and install new passage lockset by schlage or approved equal. verify style with owner. Location: At the door to the first floor 1/2 bath.
- \$ 1130 39. **CERAMIC TILE**
 Ceramic Tile
 Furnish and install new "Perma Base" cement board backer by National Gypsum or approved equal, and new 4" by 4" ceramic wall tile fastened securely to structure. Provide ceramic trim at all edges and corners. Grout joints with smooth grout and seal as recommended by the grout manufacturer. Verify style and color of tile and grout with owner. Location: Replace the plastic tiles on the stub end wall at the bathtub in the 2nd floor bathroom with ceramic tile.

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- S 1625 40. WALL REPAIR
 Wall Repair
 Replace loose, damaged, and deteriorated wall surface materials with new gypsum drywall fastened securely to structure. Fill all nail/screw holes, divots and scrapes. Repair areas of previous repair that do not achieve a Level 4 Repair per the "Recommended Specification: Levels of Gypsum Board Finish" per the Association of the Wall and Ceiling Industry (AWCI.org) . Tape and sand joints to provide surface even with existing adjacent surfaces. Match adjacent textures as closely as possible. Provide a level 4 finish at all walls throughout areas of repair. Location: Master bathroom walls. *Per SF, includes building of hood duct chase with drywalling as well.*
- S 980 41. PAINTING SEMI-GLOSS FINISH
 Painting, Semi-gloss Finish
 Prepare and paint, as stated in the General Requirements, all ceiling and wall surfaces. Provide flat primer coat on all new surfaces. Finish coat to be semi gloss. Verify colors with owner. Location: Paint the walls and ceiling in the master bathroom. *per SF, includes paint of new chase as well.*
- S 1425 42. VINYL FLOORING
 Vinyl Flooring
 Remove existing floor covering. Patch and clean subfloor to provide a smooth and sound surface to receive new materials. Furnish and install new underlayment and new sheet vinyl floor covering as manufactured by Tarkett, Fiberfloor Comfort Style. Install using the fully adhered method using manufacturer recommended adhesive. Where wood base does not exist, furnish and install new 4" by 4' dry back vinyl base including inside and outside corners, installed with manufacturer approved adhesive. Where wood base exists, provide shoe moulding where existing wood base and new floor covering meet. Provide finish to match existing wood base. Fasten flooring and base to structure with waterproof adhesive. Undercut all doors to provide a minimum of 1/4 inch clearance above finished floor. Verify color and style with owner. Location: First Floor 1/2 bath and the 2nd floor bathroom.

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\$ 600 43. CONCRETE SIDEWALK
Concrete Sidewalk

Replace sections of the Public Sidewalk that are trip hazards due to being off-set from each other and adjacent sections.

This work consists of constructing non reinforced concrete driveways and sidewalks as required by the contract. Provided materials in accordance with the following MDOT 2012 Standard Specifications:

Concrete, Grade P1 or P1-MOD	601
Curing Compound	903
Joint Materials.....	914

Construction:

The subgrade shall be free of black dirt, vegetation, roots, stumps, wood, and other loose unstable materials. Soft areas shall be excavated, filled with suitable material, and compacted. Clay and other unstable materials are not acceptable subgrade materials. Removal of unsuitable materials shall be to a minimum depth of 6 inches. Replace unsuitable materials with crushed stone, gravel, or compacted sand. Controlled density fill materials, such as flowable fill, can be used to correct sub base deficiencies. Sub base materials shall be a minimum of 4 inches in thickness. Compact the sub base with a vibrating tamping plate or heavy roller to a uniform, firm, and unyielding condition. In warm or hot weather, the sub base shall be dampened prior to concrete placement. No standing water shall be present when the concrete is placed. In no case shall a Driveway be constructed on frozen or saturated subgrade/sub base materials.

Use either fixed forms or slip forms. Provide straight, full depth, un-warped forms that will resist springing during concrete placement. Firmly stake fixed forms.

The concrete mix design shall meet MDOT P1 or P1-MOD requirements - 3500 psi exterior (6.5% +/- 1.5% air entrained) mix with a maximum w/c ratio of 0.45, water reducing admixtures may be used to reach the desired slump. Limestone coarse aggregate is preferred over natural aggregate. Fibers are optional. A Minimum replacement of cement with 20% Fly Ash or Slag Cement is recommended. A mix design shall be submitted for approval prior

Materials + Labor

to placement.

Concrete Driveways and Sidewalks shall be a minimum of 4 inches thick. Moisten the base before placing concrete. Do not place concrete on a frozen base, or base that is unstable from excessive moisture. Provide adequate slope to drain water away from all structures. Place the concrete and consolidate before finishing, ensuring the area along the surfaces of the forms is also consolidated. Place and finish in a continuous operation.

If replacing gutters in addition to sidewalk ramps, transition the gutter cross section in advance of the sidewalk ramp to meet the dimension and profile in the plans.

Float the surface, but do not over-float, to produce a smooth surface, free from irregularities. Round the edges and joints with an Engineer approved finishing tool. Texture the surface of sidewalks, sidewalk ramps and driveways with a coarse broom transverse to the direction of travel. Construct transverse and longitudinal joints with faces perpendicular to the surface of the driveway or sidewalk and with a spacing that does not exceed a 1:1 ratio and does not exceed a maximum of 8 feet for 4 inch pavement. Align transverse joints with like joints in adjacent slabs. Construct the transverse joints at right angles to the centerline of the sidewalk and longitudinal joints parallel to the centerline. Spade or vibrate and compact the concrete to fill voids at the faces of the joints. Ensure a smooth finished surface, to the required grade. Place expansion material the full depth of the joint, but slightly below the finished surface of the sidewalk or driveway. Expansion material should be used throughout the project any place where the concrete meets existing structures. It should not be used as joints in the continuous sidewalk or curb, use expansion material only at the terminal ends or between new and existing concrete, but not at intermediate locations. Cut the plane-of-weakness joints into the concrete after floating. Cut plane-of-weakness joints to at least $\frac{1}{4}$ the thickness of the sidewalk and from $\frac{1}{8}$ inch to $\frac{1}{4}$ inch wide. Finish the cut joint smooth, to the line required by the contract documents. Do not seal the joints.

Cure and protect the concrete in accordance with subsection 602.03.M and subsection 602.03.T. of the MDOT 2012 Standard Specifications. Allow pedestrian traffic after 48 hours. Concrete may be open to traffic once it has reached a strength of 2500 psi.

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After the concrete gains required strength, remove fixed forms and backfill with sound earth. Compact and level the backfill 1 inch below the concrete surface.

Tests for slump, temperature and air should be performed when placing more than 20 cubic yards of concrete in a single day. Testing shall be performed by an ACI Level I Certified Technician. Temperature shall be 45 - 90 degrees at the time of placement.

Air content will be between 5.0% and 8.5%. Slump shall not exceed 4 inches when using a Type A water reducing admixture and slump shall not exceed 6 inches when using a mid-range water reducing admixture.

Hot Weather Precautions: Concrete placed in warm/hot weather has reduced setting times, higher water demand for equivalent workability, and increased tendency for the formation of plastic shrinkage cracking. Concrete can be successfully placed in hot weather if certain precautions are taken. Caution should be exercised when placing concrete at ambient temperatures above 90 degrees F.

Moisten the subgrade prior to placement. No standing water should be present when the concrete is placed. Place concrete when ambient temperatures are most favorable, generally in the early morning.

Set retarding admixtures may be used to offset the effects of hot weather. If ambient conditions indicate low humidity, moderate-to-high winds, and warm temperatures, the contractor may use a vapor retarding membrane during the finishing process to inhibit the formation of plastic shrinkage cracks or crazing. Because of the rapid hydration of cement during hot weather, the contractor shall be prepared to start the curing process immediately following the final finishing operation. The concrete producer shall take measures to assure that the maximum water to cement ratio of 0.45 is not exceeded due to the higher water demand normally observed during hot weather production.

Cold Weather Precautions: Driveways and sidewalks shall be installed only after seasonal weight restrictions have been locally removed. Concrete should not be installed after October 15 due to the slower rate of hydration.

Materials + Labor

Concrete shall not be placed on a frozen subgrade. The subgrade must be at least 40 degrees F before concrete is placed. Caution must be exercised to avoid placing warm concrete on a cold subgrade. Finishing and cracking problems can result from significant temperature differences between concrete and subgrade.

If a driveway is placed during cold temperatures, the contractor shall take measures to protect the concrete and maintain the required curing temperature in cool/cold weather conditions. If a set accelerator is used, care must be exercised to avoid discoloration. Accelerators shall conform to ASTM C494-99, type C or type E. Location: Three sections of the city sidewalk at the front of the house next to the tree in the right of way.

\$ 1175 44. REMOVE INSULATION

Remove Insulation

Remove and dispose of existing fiberglass insulation. Clean up any loose fiberglass on the plastic ground cover in the crawlspaces. Location: Remove the fiberglass insulation on the ceiling/floor above the crawlspaces.

\$ 160 45. REMOVE WINDOW AND FOUNDATION VENTS

Remove Window and Foundation Vents:

Remove and dispose of metal frame window and foundation vents and close the openings with block and mortar. Location: Remove the metal frame window on the north side of the crawlspace under the master bedroom and remove the (2) foundation vents in the foundation walls of the crawlspace under the master bedroom addition on the east side of the house.

Materials + Labor

- \$ 170 46. **CRAWLSPACE ACCESS OPENINGS**
 Crawlspace Access Openings
 Remove and dispose of plywood cover, wood frame, insulation and block as required to create access openings from the basement into the crawlspace under the master bedroom addition on the east side of the house and between that (south) crawlspace and the crawlspace north of it under the east end of the kitchen. Provide treated wood fillers at both edges of the new access opening to provide direct bearing for the structure above the block wall.
 Location: Remove the plywood, wood frame and insulation in the opening between the basement and the east crawlspace under the master bedroom. Remove one course of block at the bottom of the opening to increase the height of the existing opening. Remove block in the block wall between the south and north crawlspaces to create an access opening 32 wide by 24 inches high, between the south and north crawl space areas.
- \$ 975 47. **AIR SEALING**
 Air Sealing:
 Furnish and install new paintable silicone caulk at junctions of sill plate and foundation and sill plate with perimeter joist. Caulk the junction of the perimeter joist with the bottom of the subflooring. Seal all penetrations to the exterior with caulk on the interior and exterior. Use caulk backer at larger openings.
 Locations: At all perimeter joists in the basement and crawlspaces and at all penetrations in the exterior walls of the house.
- \$ 2880 48. **FORMALDEHYDE FREE FIBERGLASS INSULATION**
 Formaldehyde Free Fiberglass Insulation:
 Furnish and install a 6 1/2 inch thick formaldehyde free fiberglass insulation with Polypropylene-Skrim-Kraft non perforated backing or approved equal as manufactured by JohnsManville or approved equal. Apply per manufactures' written instructions, to include taping all seams. Installation to meet all code requirements. Location: The exterior walls and perimeter joists of both crawl spaces and out from the walls on the plastic vapor barrier on the ground per the energy code requirements.

REQUEST FOR BID

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Property: 1417 CORBETT ST
LANSING, MI 48910

Contact for Information:
JOHN MCALLISTER
CITY OF LANSING

JOHN.MCALLISTER@LANSINGMI.GOV
Telephone: (517)483-4054
Fax: (517)483-6036

Materials + Labor

DIVISION 14: PLUMBING

- \$ 360 49. **PERMIT FOR PLUMBING CONTRACT**
Permit for Plumbing Contract
Cost of permit for Plumbing contract.
- \$ 270 50. **REPLACE HOSE BIBB:**
Replace Hose Bibb:
Replace existing hose bibb with new freezeless hose bibb with vacuum breaker, to meet code requirements. Location:
Replace the existing hose bibb on the north side of the house.
- \$ 1,020 51. **REPLACE GALVANIZED SUPPLY PIPING**
Replace galvanized supply piping:
Replace the remaining galvanized supply piping in the basement with PEX. Connect new PEX to existing copper supply piping.
Location: Basement.
- \$ 300 52. **REPAIR GAS PIPING**
Repair Gas Piping
Remove dresser coupling and line regulator on gas piping and reconnect piping for a sound and code required condition.
Location: In the east section of the basement located just west of the east foundation wall, in line with the electrical panel.

Materials + Labor

- \$ 0 53. SANITARY VENT
 Sanitary Vent
 Furnish and install new vents for sanitary piping as required to meet code. Location: For the sanitary drains at the lavatory sink in the 1/2 bath on the first floor, the lavatory sink in the master bathroom and the lavatory sink in the 2nd floor bathroom. (3 total)

*Delete
not needed*

- \$ 300 54. SHUT-OFF VALVE(S)
 Shut Off Valve(s)
 Furnish and install new shut-off valve(s) to meet code.
 Location(s): At the supply lines for the lavatory sink in the 1st floor 1/2 bath and in the 2nd floor bathroom. (2 Locations)

- \$ 710 55. TUB FITTINGS
 Tub Fittings
 Furnish and install new tub fittings as manufactured by Central Brass or approved equal, to include new faucet with pressure balancing valve and handles to match existing style as closely as possible. Location: At the bathtub in the 2nd floor bathroom.

- \$ 710 56. TUB AND SHOWER FITTINGS:
 Tub and Shower fittings:
 Replace existing tub fittings with new tub and shower fittings as manufactured by MOEN, model L4635 or L4625 with pressure balance valve or approved equal to include new faucet, valves, handles and showerhead. Entire installation to meet code requirements.
 Location: At the bathtub in the master bathroom.

\$ 3670 Total All Items

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Materials + Labor

DIVISION 15: MECHANICAL

\$ 300 57. PERMIT FOR MECHANICAL CONTRACT
Permit for Mechanical Contract
Cost for permit for Mechanical Contract.

\$ 600 58. HEAT DUCTS AND REGISTER
Heat Duct
Furnish and install new supply air ducts and return air as required to restore heat to two 2nd floor rooms. In finished areas, conceal all new ductwork. If new duct cannot be concealed, identify location on Proposal and Contract Form, when submitting bid. If not noted, on Proposal, contractor will conceal all new exposed ductwork with approved materials. Balance system to provide adequate heat to all habitable rooms.
Location: Restore heat supply ducts to the front bedroom/office and the southwest bedroom on the 2nd floor.

\$ 60 60. DUCTS AND REGISTER
Heat Duct and Register
Furnish and install new supply air duct and register. In finished areas, conceal all new ductwork. If new duct cannot be concealed, identify location on Proposal and Contract Form, when submitting bid. If not noted on Proposal, contractor will conceal all new exposed ductwork with approved materials.
Location: Crawl space.

\$ 960 Total All Items

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Materials + Labor

DIVISION 16: ELECTRICAL

- \$ 420 59. **PERMIT FOR ELECTRICAL CONTRACT**
Permit for Electrical Contract
Cost of permit for electrical contract.
- \$ 80 61. **REPLACE OUTLET WITH GFCI OUTLET**
Replace Outlet with GFCI Outlet
Disconnect outlet(s) that are not a G.F.I. type. Furnish and install new G.F.I. outlet and all wiring as required to meet code. Location: Replace the outlet in the garage with a G.F.I. outlet.
- \$ 120 62. **CONVENIENCE OUTLET WITH WIRING**
Convenience Outlet with Wiring
Furnish and install new convenience outlet including all wiring to meet code requirements and eliminate the use of extension cords. Location: Install an outlet in the garage for the garage door opener to eliminate the use of an extension cord.
- \$ 65 63. **REPAIR CONDUIT**
Repair Conduit
Furnish and install all materials and labor required to repair the electrical conduit where separated from the LB connector. Location: At the east foundation wall of the house. (Feed wire to the garage)

Materials + Labor

- \$ 130 - 64. **GROUND ELECTRICAL SYSTEM**
Ground Electrical System
Ground existing electrical system to plumbing system and to grounding rods to meet code requirements. Location:
Existing electrical system.
- \$ 600 - 65. **REWIRE BASEMENT**
Rewire Basement
Furnish and install all new materials required to rewire electrical wiring in basement including basement stairwell where required to meet the requirements of the Michigan Residential Code as adopted by the City of Lansing. Replace all knob and tube wiring with new romex to meet code. Replace all defective and improper wiring, fixtures, switches and outlets. Location:
Basement and basement stairwell.
- \$ 360 - 66. **G.F.C.I. OUTLET AND WIRING**
G.F.C.I. Outlet and Wiring
Replace outlets with new G.F.I. outlet and all wiring to meet code. Location: Replace the outlet on the north wall of the kitchen, at the countertop, east of the kitchen sink and the outlet on the west wall of the kitchen near the kitchen countertop. Replace the outlet in the master bathroom(3 outlets)
- \$ 180 - 67. **OUTLET AND WALL SWITCH, WASTE DISPOSAL**
Outlet, Switch and pigtail, Waste Disposal
Furnish and install new convenience outlet and wall switch on separate circuit for food waste disposal to meet code requirements. Furnish and install a pigtail cord for the existing disposal. Location: For the existing disposal in the kitchen sink base cabinet in the kitchen.

Materials + Labor

- \$ 30 - 68. **DISCONNECT OUTLET AT LIGHT FIXTURE**
 Disconnect Outlet at Light fixture
 Disconnect existing outlet at light fixture. Secure all wiring
 Disconnect the outlet at the light fixture in the 1/2 bath on the
 first floor and the 2nd floor bathroom. (2 total)
- \$ 480 - 69. **G.F.C.I. OUTLET AND WIRING**
 G.F.C.I. Outlet and Wiring
 Furnish and install new G.F.I. outlet and all wiring to meet
 code. Location: In the 1/2 bath on the first floor and the
 bathroom on the 2nd floor). (2 outlets)
- \$ 430 - 70. **BATH VENT FAN**
 Bath Vent Fan
 Furnish and install new ceiling/wall exhaust fan as manufactured
 by NuTone, Model #LPN 80, or approved equal, including all new
 ductwork, wall switch and GFCI branch circuit wiring per
 manufacturers installation instructions, to meet code
 requirements. Location: Through the south wall of the
 1/2 bath on the first floor.
- \$ 600 - 71. **REPLACE OUTLETS WITH GFCI OUTLETS**
 Replace Outlets with GFCI Outlets
 Furnish and install new G.F.I. outlets as required to provide
 G.F.I. protection for 3 prong ungrounded outlets. Location:
 At the first outlet on each circuit that supply the 3 prong
 ungrounded outlets in the living room, dining room and all 3
 bedrooms on the 2nd floor.

Materials + Labor

\$ 240

72. FLUORESCENT LIGHTS

Fluorescent Light Fixture

Replace the incandescent lights in closets with a 8 inch fluorescent light fixture to meet code. Location:

Replace the incandescent light fixture in the three 2nd floor bedrooms with fluorescent fixtures.

\$ 3,275

Total All Items

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DIVISION 2.5: GENERAL

\$ 4250 75. ALTERNATE #G1

Delete the following:

In paragraph 13." REPLACE WROUGHT IRON GUARDRAIL." Delete all work after the first sentence.

Add the following to paragraph 13:

Furnish and install new white, CertainTeed Kingston vinyl railing system including classic bread-leaf rail design, aluminum rail mount brackets for metal to metal rail to post connection. Install traditional balusters. Install per manufacturers installation instructions so lifetime warranty is in effect. Furnish and install CertainTeed Colonial 5" x 5" structural vinyl columns where wrought iron columns are removed. Location: Replace the railings and columns on the front porch and front porch steps.

\$ Total All Items

08/04/2016
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CITY OF LANSING
Development Office

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DIVISION 2.6:

\$ Included

76. ADDENDUM #1

Add the following to paragraph 19 on page 5 of the general specifications "VINYL REPLACEMENT WINDOWS": The new vinyl windows are to match the style of the existing vinyl windows. (no grids) the (2) hopper windows are to be replaced with sliding windows.

Change the following in paragraph 24 - "PAINTING, INTERIM CONTROLS" on page 16 of the general specifications: Change the walls specified to be painted in the kitchen, to: the west and south walls of the west half of the kitchen. (walls A and D in Kitchen 3 in the lead testing report)

Add the following to paragraph 33 on page 13 of the general specifications "JOIST REPAIR" - To the location: sentence add: in the west section of the basement.

\$ Included

Total All Items