

2007 FCAP E and G By Building - Short

| D_NO | Description | Recommended Correction | Cost |
|---------------------------------|---|--|---------------------|
| 14TH STREET WAREHOUSE | | | |
| 07-E083 | THIS BUILDING HAS NO FIRE ALARM SYSTEM. | INSTALL A FIRE ALARM SYSTEM IN ACCORDANCE WITH THE NC FIRE CODE AND DOI REQUIREMENTS. | 15000 |
| | | TOTAL 14TH STREET | \$15,000 |
| ADA STUDY | | | |
| 07-G203 | SOME BUILDINGS ARE NOT FULLY COMPLIANT WITH ADA GUIDELINES AND STATE BUILDING CODE. | A STUDY TO DETERMINE ADA DEFICIENCIES AND ESTIMATED COST OF CORRECTIONS THAT ARE REMAINING IS | 125000 |
| | | TOTAL ADA STUDY | \$125,000 |
| ADMIN SUPPORT ANNEX | | | |
| 07-E071 | THE EXISTING PANEL IS OLD AND REACHING THE END OF IT'S SERVICE LIFE. | RECOMMEND REPLACING THE OBSOLETE PANEL, WITH A PANEL THAT MEETS NEC REQUIREMENTS. | 7500 |
| 07-E072 | THERE IS NO EMERGENCY POWER SOURCE TO RUN PUMPS , FANS, MOTORS, AND ANY OTHER REQUIRED EQUIPMENT UNDER | INSTALL A DIESEL GENERATOR TO SUPPLY EMERGENCY POWER. | 40000 |
| 07-E073 | THIS BUILDING HAS NO FIRE ALARM SYSTEM. | RECOMMEND INSTALLING A FIRE ALARM SYSTEM IN ACCORDANCE WITH NC DEPARTMENT OF INSURANCE | 10000 |
| 07-G161 | INTERIOR AND EXTERIOR FINISHES ARE SHOWING SIGNS OF DETERIORATION. EXTERIOR IS EXHIBITING MINOR CRACKING. | LOCATE AND CORRECT MOISTURE INTRUSION INTO INTERIOR OF BUILDING. REPAINT INTERIOR AND EXTERIOR FINISHES AS | 25000 |
| 07-G162 | ORIGINAL, METAL FRAMED, SINGLE GLAZED WINDOWS ARE AT END OF EXPECTED LIFE, ARE IN POOR OPERATING CONDITION, AND | INSTALL NEW, OPERABLE WINDOWS WITH THERMAL BREAK FRAMES AND INSULATED GLASS WITH LOW E COATING. | 30000 |
| 07-G163 | SINGLE-PLY ROOF IS IN POOR CONDITION AND AT END OF EXPECTED LIFE. SOME REPAIRS MAY BE NEEDED BEFORE | REMOVE ALL ROOF MATERIALS TO EXPOSE STRUCTURAL DECK AND REPAIR AS REQUIRED. INSTALL NEW FLASHING, | 42000 |
| | | TOTAL ADMIN SUPPORT ANNEX | \$154,500 |
| ALL HSC CAMPUS BUILDINGS | | | |
| 07-M021 | THE CURRENT ELECTRIC CONDENSATE PUMPS REQUIRE MAINTENANCE ABOUT TWICE A YEAR, PRINCIPALLY INVOLVING | REPLACE THE ELECTRIC CONDENSATE PUMPS THROUGHOUT ALL THE CAMPUS BUILDINGS WITH AIR OR STEAM POWERED | 400000 |
| | | TOTAL ALL HSC CAMPUS | \$400,000 |
| AUSTIN | | | |
| 07-G027 | ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL SYSTEMS IN THIS 43 YEAR OLD, CLASSROOM BUILDING ARE NEAR | REMOVE ALL EXISTING INTERIOR SYSTEMS, AND REVISE INTERIOR PLANS AS REQUIRED BY FUNCTIONS AND CODES. | 11050000 |
| | | TOTAL AUSTIN | \$11,050,000 |
| BATE | | | |
| 07-E064 | THE EXISTING TRANSFORMER IS REACHING THE END OF ITS USEFUL LIFE. | INSTALL A NEW TRANSFORMER. | 60000 |
| 07-E065 | THE EXISTING FIRE ALARM DOES NOT MEET THE FIRE CODE. | INSTALL A FIRE ALARM SYSTEM IN ACCORDANCE WITH THE NC FIRE CODE AND DOI REQUIREMENTS. | 120000 |
| 07-E066 | THE EXISTING LIGHTING IS INADEQUATE AND NEEDS TO BE REPLACED. | INSTALL NEW ENERGY SAVING LIGHTS. | 75000 |
| 07-G141 | ELEVATORS DO NOT COMPLY WITH CURRENT STANDARDS. | UPGRADE ELEVATORS AS NEEDED WITH NEW CONTROLS, DOOR OPERATING SYSTEM AND OTHER ITEMS TO COMPLY WITH ADA | 250000 |

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| 07-G142 | SOME FIXED SEATS IN CLASSROOMS (MOSTLY AT FIRST FLOOR LEVEL) ARE DAMAGED AND NEAR/AT END OF USEFUL LIFE. IN | REPAIR OR REPLACE FIXED SEATING AS NEEDED. REPLACE, REPAIR AND REPAINT DAMAGED AND DETERIORATED FINISHES. | 625000 |
| 07-G143 | MOST STEP TREADS AT STAIRWELLS ARE NEARING END OF LIFE AND MAY POSE A TRIPPING HAZARD. | REPLACE DAMAGED AND DETERIORATED STEP TREAD AT STAIRWELLS. | 50000 |
| 07-G144 | PAINT (INTERIOR AND EXTERIOR) WILL SOON BE NEARING THE END OF EXPECTED LIFE. | REPAINT INTERIOR AND EXTERIOR FINISHES AS NEEDED. REPAIR AND REPAINT METAL PORCH RAILING AT REAR OF | 325000 |
| 07-G145 | BUILT-UP ROOF IS IN POOR CONDITION AND NEAR/AT END OF EXPECTED LIFE. SOME REPAIRS MAY BE NEEDED BEFORE | REMOVE ALL ROOF MATERIALS TO EXPOSE STRUCTURAL DECK AND REPAIR AS REQUIRED. INSTALL NEW FLASHING, | 665000 |
| 07-G146 | EXTERIOR WALL APPARENTLY HAS GOOD WATERPROOFING AND NO DAMAGE TO INTERIOR WALLS FROM FUNGAL GROWTH WAS | CLEAN AND RECAULK JOINTS AS NEEDED. TO REDUCE | 75000 |
| 07-G147 | SOME INTERIOR DOOR HARDWARE REQUIRES EXTENSIVE MAINTENANCE AND IS NEAR END OF USEFUL LIFE. | MOISTURE MOVING THROUGH EXTERIOR WALL, APPLY A REPLACE OR REPAIR DAMAGED, DETERIORATED AND NON-ADA COMPLIANT DOORS AND HARDWARE AS NEEDED. | 125000 |
| 07-M039 | THE STEAM DISTRIBUTION ROOM IN BATES BUILDING HAS INADEQUATE VENTILATION. | UPGRADE VENTILATION TO THE STEAM DISTRIBUTION ROOM. | 25000 |
| 07-M065 | THE OUTER AREAS OF BATES CLASSROOM BUILDING HAVE VAV REHEAT BOXES. THE INTERIOR AREAS OF BATE BUILDING HAVE NO | ADD VAV BOXES FOR REHEAT IN THE INTERIOR PORTIONS OF BATE BUILDING. PROVIDE VARIABLE FREQUENCY DRIVES FOR | 200000 |
| | | TOTAL BATE | \$2,595,000 |
| BETHEL CLINIC #2 | | | |
| 07-E001 | THIS MEDICAL FACILITY SERVES THE NEEDS OF THE COMMUNITY. DURING OUTAGES EMERGENCY POWER IS NEEDED SO THAT | RECOMMEND INSTALLING AN EMERGENCY GENERATOR LARGE ENOUGH TO CARRY THIS SMALL FACILITY. | 35000 |
| 07-G001 | WATER LEAKING THROUGH FOUNDATION WALL IN BASEMENT HAS CAUSED DETERIORATION OF STEEL COLUMNS, WHICH HAVE BEEN | EXCAVATE FOUNDATION WALL, INSTALL WATERPROOFING AND RESTORE FINISH GRADE. CLEAN AND DISINFECT BASEMENT | 28000 |
| 07-G002 | ON MAIN SECTION, BUILT-UP ROOF WILL BE IN POOR CONDITION AND NEAR END OF EXPECTED LIFE. SOME REPAIRS MAY BE | REMOVE ALL ROOF MATERIALS TO EXPOSE STRUCTURAL DECK AND REPAIR AS REQUIRED. INSTALL NEW FLASHING, | 65000 |
| 07-G003 | BUILDING IS NOT FULLY COMPLIANT WITH ADA GUIDELINES AND STATE BUILDING CODE. ENTRANCE DOOR IS NOT MOTOR | A STUDY OF ADA DEFICIENCIES TO INCLUDE COST OF RENOVATION IS RECOMMENDED. INSTALL MOTOR OPERATED | 12000 |
| 07-G004 | ASPHALT PAVING HAS A WEATHERED SURFACE, SOME EXPOSED AGGREGATE AND CRACKS. CONDITION VARIES DEPENDING ON | REPAIR APPROPRIATELY FOR CONDITION OF ASPHALT SURFACE. PATCH CRACKS AND BROKEN AREAS OR REMOVE | 8000 |
| 07-G005 | EXTERIOR DOORS AND FRAMES ARE IN POOR CONDITION AND NOT ADA COMPLIANT. | REPLACE 4 EXTERIOR DOORS WITH LOW MAINTENANCE INSULATED UNITS AND ADA HARDWARE. | 4000 |
| 07-G006 | CARPET IS WORN AND DISCOLORED. | REPACE CARPET WITH HEAVY DUTY CARPET. | 16000 |
| 07-M001 | AS NOTED BY THE DEPARTMENT OF INSURANCE, THIS WOOD FRAME BUILDING HAS NO SPRINKLER SYSTEM FOR FIRE | PROVIDE AN AUTOMATIC FIRE SPRINKLER SYSTEM. | 30000 |
| 07-M002 | THE TWO FUEL OIL HEATERS IN THE BASEMENT OF THE BETHEL CLINIC ARE AGING AND MAY BE INEFFICIENT. | VERIFY THE OPERATING CONDITION OF THE FUEL OIL HEATERS FOR SAFETY AND EFFICIENCY. | 5000 |
| 07-M003 | ATTIC INSULATION IS NEEDED. THE DOMESTIC HOT WATER HEATER MAY BE INEFFICIENT. BASEMENT SUMP PUMPS ARE | ADD ATTIC INSULATION. INSTALL INSTANTANEOUS HOT WATER HEATERS. REPLACE BOTH BASEMENT SUMP PUMPS TO AVOID | 15000 |
| | | TOTAL BETHEL CLINIC #2 | \$218,000 |
| BIOTECHNOLOGY | | | |
| 07-E016 | THE EMERGENCY GENERATOR IS REACHING THE END OF IT'S SERVICE LIFE AND NEEDS TO BE REPLACED. | INSTALL A DIESEL GENERATOR TO SUPPLY EMERGENCY POWER | 50000 |
| 07-E017 | THE EXISTING EXIT FIXTURES WASTE ENERGY AND MAINTENANCE LABOR TO KEEP THEM WORKING. | RECOMMEND REPLACING ALL EXIT FIXTURES WITH LED TYPE. THE PAYBACK WILL BE JUST A FEW YEARS IN ENERGY AND | 3000 |
| 07-E018 | THE EXISTING EXIT FIXTURES WASTE ENERGY AND MAINTENANCE LABOR TO KEEP THEM WORKING. | RECOMMEND REPLACING ALL EXIT FIXTURES WITH LED TYPE. THE PAYBACK WILL BE JUST A FEW YEARS IN ENERGY AND | 3000 |
| 07-G032 | SOME EXTERIOR DOORS AND HARDWARE, INCLUDING SLIDING DOOR, WILL SOON BE NEAR END OF USEFUL LIFE. AUTOMATIC | REPLACE OR REPAIR DOORS AND HARDWARE AS NEEDED. | 24000 |

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| 07-G033 | 2 ORIGINAL PASSENGER ELEVATORS ARE DIFFICULT TO MAINTAIN. | UPGRADE ELEVATORS WITH NEW SOLID STATE CONTROLS, AND RENEW MOVING PARTS. REFURBISH CABS. | 60000 |
| 07-G034 | SOME INTERIOR DOOR HARDWARE WILL SOON BE NEAR END OF USEFUL LIFE. | REPLACE OR REPAIR DOOR HARDWARE AS NEEDED. | 12000 |
| 07-G035 | SINGLE PLY ROOF IS IN POOR CONDITION AND NEAR END OF EXPECTED LIFE. SOME REPAIRS MAY BE NEEDED BEFORE | REMOVE ALL ROOF MATERIALS TO EXPOSE STRUCTURAL DECK AND REPAIR AS REQUIRED. INSTALL NEW FLASHING, | 185000 |
| 07-G036 | CAULKING IN EXPANSION JOINTS AND AT WINDOWS WILL SOON BE NEAR END OF USEFUL LIFE. | REPLACE CAULKING IN EXTERIOR WALLS WHEN NEEDED. | 14000 |
| 07-G037 | PAINT WILL SOON BE NEAR END OF EXPECTED LIFE. | REPAINT INTERIOR FINISHES AS NEEDED. | 26000 |
| | | TOTAL BIOTECHNOLOGY | \$377,000 |
| BLDG 127 | | | |
| 07-E085 | THE EXISTING PANEL IS OLD AND REACHING THE END OF IT'S SERVICE LIFE. | RECOMMEND REPLACING THE OBSOLETE PANEL, WITH A PANEL THAT MEETS NEC REQUIREMENTS. | 30000 |
| 07-G184 | SINGLE-PLY ROOF (LIKELY 12+ YEARS OLD) IS NEARING END OF EXPECTED LIFE. SOME REPAIRS MAY BE NEEDED BEFORE | REMOVE ALL ROOF MATERIALS TO EXPOSE STRUCTURAL DECK AND REPAIR AS REQUIRED. INSTALL NEW FLASHING, | 85000 |
| | | TOTAL BLDG 127 | \$115,000 |
| BLDG 206 | | | |
| 07-G180 | MASONRY WALL ALONG SIDE STREET IS SHOWING SIGNS OF DETERIORATION. SLIDING METAL DOOR AT BACK, AND WOOD | REPAIR AND POINT-UP DETERIORATED MASONRY WALL ALONG SIDE STREET. REPLACE SLIDING METAL DOOR AT BACK, AND | 85000 |
| 07-G181 | ASPHALT SHINGLE ROOF APPEARS TO BE IN POOR CONDITION (AT BACK OF BUILDING). METAL ROOF (5V METAL PANELS) OVER FRONT | REMOVE ALL ROOF MATERIALS (ASPHALT SHINGLES) TO EXPOSE STRUCTURAL DECK, AND REPAIR AS REQUIRED. INSTALL NEW | 75000 |
| | | TOTAL BLDG 206 | \$160,000 |
| BLDG 214 | | | |
| 07-G190 | DUE TO AGE AND CONSTANT USE, GARAGE DOOR ARE NEAR/AT END OF MAINTAINABLE LIFE. | REMOVE AND REPLACE DETERIORATED AND DAMAGED GARAGE DOOR, CLOSER AS NECESSARY. | 4000 |
| | | TOTAL BLDG 214 | \$4,000 |
| BLDG 214-B | | | |
| 07-G186 | DUE TO AGE AND CONSTANT USE, GARAGE DOORS ARE NEARING END OF MAINTAINABLE LIFE. | REMOVE AND REPLACE DETERIORATED AND DAMAGED GARAGE DOORS, CLOSERS AS NECESSARY. | 21000 |
| | | TOTAL BLDG 214-B | \$21,000 |
| BLDG 214-C | | | |
| 07-G187 | DUE TO AGE AND CONSTANT USE, GARAGE DOORS ARE NEAR/AT END OF MAINTAINABLE LIFE. | REMOVE AND REPLACE DETERIORATED AND DAMAGED GARAGE DOORS, CLOSERS AS NECESSARY. | 8000 |
| | | TOTAL BLDG 214-C | \$8,000 |
| BLDG 214-D | | | |
| 07-G188 | APPROXIMATELY 40% OF THE EXTERIOR METAL SIDING IS IN POOR CONDITION. BACK WALL HAS BEEN PUSHED OUT OF PLUMB. | REPAIR/REPLACE DETERIORATED METAL SIDING AND REALIGN BACK WALL. REPLACE DAMAGED INSULATION. REPAINT | 30000 |
| | | TOTAL BLDG 214-D | \$30,000 |
| BLDG 214-E | | | |

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|---------------------|--|---|------------------|
| 07-G189 | DUE TO AGE AND CONSTANT USE, GARAGE DOORS ARE NEARING END OF MAINTAINABLE LIFE. | REMOVE AND REPLACE DETERIORATED AND DAMAGED GARAGE DOORS, CLOSER AS NECESSARY. | 16000 |
| | | TOTAL BLDG 214-E | \$16,000 |
| BLDG 215 | | | |
| 07-E086 | THE EXISTING PANEL IS OLD AND REACHING THE END OF IT'S SERVICE LIFE. | RECOMMEND REPLACING THE OBSOLETE PANEL, WITH A PANEL THAT MEETS NEC REQUIREMENTS. | 25000 |
| 07-G192 | SOME SECTIONS OF METAL COVERED WOOD TRIM, VINYL SIDING AND ASPHALT SHINGLE ROOF ARE IN A STATE OF DISREPAIR. | REPAIR AND REFURBISH EXISTING TRIM, SIDING AND ASPHALT SHINGLE ROOF AS REQUIRED. | 15000 |
| | | TOTAL BLDG 215 | \$40,000 |
| BLDG 215-A | | | |
| 07-G193 | SINGLE-PLY ROOF (FRONT, NORTH SECTION) APPEARS TO BE IN VERY POOR CONDITION. ACCESS TO ROOF WAS NOT AVAILABLE | VERIFY CONDITION AND QUANTITY OF DETERIORATED ROOF. REMOVE ALL ROOF MATERIALS TO EXPOSE STRUCTURAL DECK | 120000 |
| | | TOTAL BLDG 215-A | \$120,000 |
| BLDG 215-B | | | |
| 07-G194 | SOME SECTIONS OF METAL ROOF AND GUTTER ARE IN A STATE OF DISREPAIR. | REPAIR AND REFURBISH METAL ROOF AND GUTTERS AS REQUIRED. | 5000 |
| | | TOTAL BLDG 215-B | \$5,000 |
| BLDG 215-C | | | |
| 07-E087 | THIS BUILDING HAS NO FIRE ALARM SYSTEM. | INSTALL A FIRE ALARM SYSTEM IN ACCORDANCE WITH THE NC FIRE CODE AND DOI REQUIREMENTS. | 30000 |
| | | TOTAL BLDG 215-C | \$30,000 |
| BLDG 216 | | | |
| 07-G195 | SECTIONS OF BUILT-UP ROOF AND SKYLIGHTS ARE IN A STATE OF DISREPAIR. MASONRY CHIMNEY AND ELEVATED WATER TOWER IS | WEATHERPROOF, REPAIR AND REFURBISH BUILT-UP ROOF AND SKYLIGHTS AS REQUIRED. DETERMINE CONDITION OF BOTH | 265000 |
| | | TOTAL BLDG 216 | \$265,000 |
| BLOUNT HOUSE | | | |
| 07-G138 | MASONITE SIDING, SOME EXTERIOR WALL STRUCTURE AND WOOD TRIM IS SHOWING MAJOR SIGNS OF DETERIORATION. WOOD | REMOVE DAMAGED AND DETERIORATED MASONITE AND WOOD SIDING AND TRIM, INSTALL INSULATING HOUSE WRAP OR | 95000 |
| 07-G139 | THERE IS NO INSULATION AT THE WOOD FLOOR SYSTEM AT PARTIAL BASEMENT. | INSTALL BATT TYPE INSULATION AT PARTIAL BASEMENT CEILING. | 6000 |
| 07-M066 | THE HVAC LOAD ON BLOUNT HOUSE HAS INCREASED WITH THE CONVERSION TO USE AS THE CAMPUS POLICE DEPARTMENT. | CONDUCT AN ENGINEERING STUDY TO DETERMINE THE MOST FEASIBLE WAY TO HANDLE THE HEAVIER THERMAL LOAD AT | 50000 |
| | | TOTAL BLOUNT HOUSE | \$151,000 |
| BLOXTON | | | |
| 07-G078 | ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL SYSTEMS IN THIS 55 YEAR OLD, CLASSROOM BUILDING ARE | REMOVE ALL EXISTING INTERIOR SYSTEMS, AND REVISE INTERIOR PLANS AS REQUIRED BY FUNCTIONS AND CODES. | 650000 |
| | | TOTAL BLOXTON | \$650,000 |
| BREWSTER - A | | | |
| 07-G031 | ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL SYSTEMS IN THIS 37 YEAR OLD, SOCIAL SCIENCES BUILDING ARE | REMOVE ALL EXISTING INTERIOR SYSTEMS, AND REVISE INTERIOR PLANS AS REQUIRED BY FUNCTIONS AND CODES. | 25400000 |

| D_NO | Description | Recommended Correction | | Cost |
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| | | TOTAL | BREWSTER - A | |
| BRODY | | | | |
| 07-E005 | THE EXISTING FIRE ALARM DOES NOT MEET THE FIRE CODE. | | REWIRE CARD READER DOORS TO ALLOW ACCESS WHEN THE FIRE ALARM IS ACTIVATED. | 50000 |
| 07-E006 | THE EXISTING SWITCHGEAR IS REACHING THE END OF ITS USEFUL LIFE. | | REPLACE THE EXISTING SWITCHGEAR | 500000 |
| 07-E008 | THE EXISTING GE LOW VOLTAGE LIGHTING CONTROLS ARE NO LONGER WORKING. CONSTANT FAILURES HAVE MADE THEM | | RECOMMEND INSTALLING A NEW LIGHTING SYSTEM WHERE CONTROL OF LIGHTS CAN BE ACCOMPLISHED IN ONE LOCATION. | 30000 |
| 07-E009 | THE EXISTING SWITCHGEAR IS REACHING THE END OF ITS USEFUL LIFE. | | REPLACE THE EXISTING SWITCHGEAR | 600000 |
| 07-E010 | THE EXISTING TRANSFER SWITCH IS REACHING THE END OF ITS USEFUL LIFE. | | REPLACE THE EXISTING TRANSFER SWITCH | 90000 |
| 07-E011 | THE MOTOR CONTROL CENTER NEEDS TO BE UPGRADED. | | UPGRADE, REPAIR, OR REPLACE THE EXISTING MCC | 100000 |
| 07-E014 | THE TRANSFORMER IS LEAKING OIL. | | REPLACE THE EXISTING TRANSFORMER | 500000 |
| 07-G*** | THIS 25 YEAR OLD BUILDING IS UTILIZED BEYOND ORIGINAL DESIGN CAPACITY. MOST SYSTEMS INCLUDING FINISHES, | | PROVIDE A COMPLETE RENOVATION TO INCLUDE ADDRESSING PROGRAM REQUIREMENTS AND RECONFIGURING SPACES AS | 105000000 |
| 07-G005 | GASKETS IN OPERABLE WINDOWS ARE NEAR END OF USEFUL LIFE. | | REPLACE GASKETS FROM INSIDE. | 12000 |
| 07-G006 | 2 ORIGINAL PASSENGER ELEVATORS DO NOT COMPLY WITH CURRENT STANDARDS FOR ADA, OPERATION AND MAINTENANCE. | | UPGRADE ELEVATORS AS NEEDED WITH NEW CONTROLS, DOOR OPERATING SYSTEM AND OTHER ITEMS TO COMPLY WITH ADA | 1200000 |
| 07-G007 | IN FIRST FLOOR CORRIDOR AND LIBRARY, FLOOR SLAB HAS SETTLED AND IS APPARENTLY STABLE. | | ADJUST SLOPE OF FLOOR WHEN CARPET IS REPLACED. | 6000 |
| 07-G008 | DOI REPORT INDICATES THAT LATCHES ON ALL CORRIDOR AND OFFICE DOORS DO NOT COMPLY WITH STATE BUILDING CODE. | | INSTALL NEW HOLD OPEN DEVICES AND CLOSER HARDWARE CONNECTED TO FIRE ALARM SYSTEM AS REQUIRED TO COMPLY | 75000 |
| 07-G009 | TREADS AND FLOORS IN 4 STAIRS ARE WORN, SLIPPERY AND UNSAFE. 2 STAIRS HAVE BEEN COMPLETED. | | INSTALL NEW TREADS AND FLOORING IN STAIRS AND ON STEPS AS REQUIRED BY STATE BUILDING CODE. | 36000 |
| 07-G010 | MECHANICAL CLOSET SPACES ON EACH FLOOR HAVE OPENING IN FLOOR FOR VERTICAL CONDUIT CHASE. WATER CAN RUN | | INSTALL CONCRETE CURB AROUND OPENINGS IN FLOORS AND SEAL AROUND CURB. WATERPROOF TOILET FLOORS. | 190000 |
| 07-G011 | SUSPENDED TILE CEILINGS IN VARIOUS AREAS ARE NEAR END OF USEFUL LIFE. | | REPLACE CEILINGS WHERE NEEDED WITH 2X2 SUSPENDED SYSTEM | 540000 |
| 07-G012 | SOME INTERIOR DOORS AND DOOR HARDWARE WILL SOON BE NEAR END OF USEFUL LIFE. SOME DOORS ARE DAMAGED BY | | REPLACE DOOR HARDWARE THROUGHOUT THE BUILDING AS NEEDED WITH HEAVY DUTY ADA COMPLIANT LEVER ACTION | 285000 |
| 07-G013 | FIXED SEATS, CARPET, STAGE CURTAINS, PAINT AND LIGHTING IN AUDITORIUM ARE NEAR END OF USEFUL LIFE. | | RENOVATE AUDITORIUM AND STAGE, INCLUDING SEATING, CARPET AND OTHER ITEMS TO UPGRADE FUNCTIONAL | 380000 |
| 07-G014 | \$400,000 WAS SPENT TO CLEAN BRICK, RECAULK WINDOWS, AND CLEAN WEEP HOLES. CONTRACTOR DRILLED OUT WEEP HOLES | | INVESTIGATE DAMAGE INSIDE CAVITY WALL BY CUTTING OPENINGS FOR EXAMINATION OF WALL CAVITY. IDENTIFY | 325000 |
| 07-G015 | FASCIA BOARD ON EXTERIOR CORRIDOR (MRI CORRIDOR) IS CRACKING AND DETERIORATING. | | REPLACE EXTERIOR FACIA. EXISTING FACIA BOARD MAY CONTAIN ASBESTOS. | 125000 |
| 07-G016 | CARPET AND FLOOR TILE IN MANY AREAS THROUGHOUT THE BUILDING ARE DAMAGED, WORN, FRAYED AND BEYOND END OF | | REPLACE CARPET AND TILE WHERE NEEDED. SHEET TILE OR OTHER TYPE OF FLOORING SHOULD BE CONSIDERED FOR LABS | 565000 |
| 07-G017 | FORMICA (AND SOME STEEL) COUNTERTOPS IN LABS, CLASSES ARE ORIGINAL, DAMAGED, WORN, DIFFICULT TO CLEAN. | | REPLACE COUNTERTOPS THROUGHOUT THE BUILDING. | 175000 |
| 07-G018 | ROOFS OVER AUDITORIUM AND EXTERIOR CORRIDOR ARE AT END OF LIFE AND HAVE SOME LEAKS. | | REMOVE ALL ROOF MATERIAL TO EXPOSE STRUCTURAL DECK. REPAIR DECK AND DRAINS AS NEEDED. INSTALL NEW | 375000 |
| 07-G019 | EXTERIOR DOORS ARE AT END OF USEFUL LIFE AND DIFFICULT TO OPERATE AND MAINTAIN. | | REPLACE ENTRANCE DOORS WITH STOREFRONT AUTOMATIC SLIDING DOORS. INSTALL AIRLOCKS WHERE FEASIBLE. | 65000 |

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| 07-G020 | FIXED SEATS, CARPET, STAGE CURTAINS, PAINT AND LIGHTING IN AUDITORIUM ARE NEAR END OF USEFUL LIFE. | RENOVATE LECTURE ROOM, INCLUDING SEATING, CARPET AND OTHER ITEMS TO UPGRADE FUNCTIONAL PERFORMANCE AS | 370000 |
| 07-M004 | THE HVAC CONTROLS SYSTEM IS APPROXIMATELY 21 YEARS OLD AND IS BECOMING OBSOLETE FOR A MEDICAL FACILITY. THE | UPGRADE AND EXPAND THE HVAC CONTROLS SYSTEM. | 300000 |
| 07-M005 | THE WATER PURIFICATION SYSTEM IS OLD (25 YEARS), OBSOLETE, AND THE PIPING HAS DETERIORATED. DI WATER PIPING LEAKS ON | BALANCE THE AIR DISTRIBUTION SYSTEM, CHILLED WATER REPLACE THE ULTRA-PURE WATER SYSTEM AND PIPING. A BID OF \$118,000 HAS BEEN RECEIVED FOR THIS WORK. | 118000 |
| 07-M006 | THE STEAM AND CONDENSATE PIPING IS RUSTED, LEAKING AND IS IN POOR CONDITION. | REPLACE ALL DAMAGED STEAM AND CONDENSATE PIPING. THE MOST CRITICAL LINE TO REPLACE IS THE CONDENSATE LINE | 2000000 |
| 07-M010 | THE BLOWDOWN WATER RETURN SYSTEM FOR BRODY BUILDING'S 22 AUTOCLAVES WASTES AN ESTIMATED 20,000 GALLONS OF WATER | UPGRADE THE BLOWDOWN WATER RETURN SYSTEM FOR BRODY'S AUTOCLAVES. | 500000 |
| 07-M011 | THE ENERGY WHEELS IN AC-1 AND AC-7 IN BRODY BUILDING DISINTEGRATED AND WERE REMOVED. | REPLACE THE MISSING ENERGY WHEELS IN UNITS AC-1 AND AC-7. | 500000 |
| 07-M012 | THE FIRE AND JOCKEY PUMPS IN BRODY BUILDING ARE OLD AND IN NEED OF REPLACEMENT. | REPLACE THE FIRE AND JOCKEY PUMPS. VERIFY THAT ALL SPRINKLER HEAD INSPECTION REQUIREMENTS OF NFPA 25 | 100000 |
| 07-M013 | THIRTY TO FORTY EXHAUST FANS AT BRODY BUILDING ARE CONTROLLED WITH PNEUMATICALLY ACTUATED VANES INSTEAD OF | INSTALL VARIABLE FREQUENCY DRIVES FOR THE EXHAUST FANS TO SAVE ENERGY, IMPROVE VENTILATION CONTROL AND | 200000 |
| 07-M014 | THE CHILLED WATER COIL IN AIR HANDLER AC-6 IS OLD AND CORRODED. | REPLACE THE CHILLED WATER COIL IN AC-6. | 100000 |
| 07-M015 | ON THE NORTH SIDE OF THE MECHANICAL ROOM, HE SPRINKLER HEADS ARE ABOVE THE DUCTWORK. THIS BLANKS OUT SPRINKLER | UPFIT THE SPRINKLER PIPING IN THE MECHANICAL ROOM TO PROVIDE SPRINKLER COVERAGE ABOVE AND BELOW THE | 30000 |
| 07-M016 | CHILLED WATER PIPING IS VERY RUSTY AT MANY COIL CONNECTIONS. THE CONDENSATE TRAYS ARE RUSTED OUT IN AC- | REPLACE CORRODED PIPING AND CONDENSATE TRAYS IN THE AIR HANDLERS. | 200000 |
| 07-M017 | THE COOLING TOWER WATER EQUALIZING LINES AT THE STEAM PLANT DO NOT HAVE SUFFICIENT CAPACITY TO AVOID THE | PROVIDE LARGER EQUALIZING LINES BETWEEN THE SIX COOLING TOWERS. | 100000 |
| 07-M018 | AIR HANDLERS 1, 2 AND 3 IN MECHANICAL ROOM 041 ARE CORRODED AND NEED REPLACEMENT. STEAM LINES NEXT TO AHU- | REPLACE AIR HANDLERS AND ALL CORRODED ADJACENT LINES. REPLACE THE RUSTED CONDENSATE RETURN LINE TO THE | 500000 |
| 07-M019 | THE BELOW-GRADE VAULT FOR THE FIRE LINE HAS NO DRAIN AND NO TAMPER SWITCHES ON EITHER SIDE OF THE BACKFLOW | PROVIDE HEATED, ABOVE-GRADE VAULTS FOR THE FIRE AND DOMESTIC WATER LINES. PROVIDE ONE LARGE PAD TO | 250000 |
| 07-M020 | DAMAGE CAN OCCUR IF THE 12 PSI STEAM PRESSURE REGULATOR FAILS OPEN, IF 100 PSI STEAM IS SUPPLIED UPSTREAM OF THE PRV. | REPIPE THE INCOMING STEAM LINES TO STEP THE PRESSURE DOWN IN STAGES OF 100 PSI TO 45 PSI TO 12 PSI. | 100000 |
| 07-M022 | THE VACUUM PUMPS IN ROOM GW 58 ARE OLD, WITH PARTS DIFFICULT TO OBTAIN. CURRENTLY, THERE IS NO VACUUM | PROVIDE NEW VACUUM PUMPS. EXTEND VACUUM LINES TO THE SOUTH SIDE OF BRODY BUILDING. POINT OF USE VACUUM | 250000 |
| 07-M023 | THE DOMESTIC WATER BOOSTER PUMP IN ROOM GW 58 IS 30 YEARS OLD AND PARTS ARE BECOMING INCREASINGLY DIFFICULT | REPLACE THE DOMESTIC WATER BOOSTER PUMP. | 30000 |
| 07-M024 | A SECOND BACKFLOW PREVENTER ASSEMBLY IS NEEDED IN ROOM GW 58 OF THE BRODY BUILDING TO ALLOW MAINTENANCE ON THE | INSTALL A SECOND BACKFLOW PREVENTER ASSEMBLY. | 40000 |
| 07-M025 | THE THREE MAIN FIRE LINE SHUTOFF VALVES IN ROOM GW 58 OF THE BRODY BUILDING ARE CORRODED, WITH PACKING LEAKING. | REPLACE OR REBUILD THE THREE MAIN FIRE LINE SHUTOFF VALVES. | 15000 |
| 07-M026 | THE SINGLE FLOW-RITE DOMESTIC HOT WATER HEATER IN ROOM GW 58 NEEDS A BACKUP UNIT OR REPLACEMENT WITH A DUAL | PROVIDE A BACKUP DOMESTIC HOT WATER HEATER. | 30000 |
| 07-M027 | THE AGING GATE VALVES IN BRODY BUILDING CAN DROP A SEAT IF OVERTIGHTENED. | REPLACE THE GATE VALVES WITH BALL VALVES OR OS&Y VALVES FOR IMPROVED VALVE RELIABILITY. | 25000 |
| 07-M028 | THE SPACING OF SPRINKLER HEADS IN MECHANICAL ROOM 8S-08 MAY BE INADEQUATE. | REVIEW THE SPACING OF SPRINKLER HEADS IN ROOM 8S-08. ADD ADDITIONAL SPRINKLER HEADS AS REQUIRED. | 5000 |
| 07-M032 | ALL OF THE WATER FAUCETS IN BRODY BUILDING NEED TO BE CHANGED OUT. SEVERAL YEARS AGO, A FAUCET BLEW OUT DUE | PROVIDE COMPLETE PLUMBING UPGRADE INCLUDING WATER, COMPRESSED AIR, NATURAL GAS AND VACUUM. | 800000 |
| 07-M033 | THE CURRENT STEAM SYSTEM IS OLD AND NEEDS FREQUENT MAINTENANCE. THE OLD STEAM TO DOMESTIC HOT WATER HEAT | IN THE LSB MECHANICAL ROOM, RESTRUCTURE THE STEAM SYSTEM ON THE WALL NEXT TO AHU-1 TO FACILITATE STEAM | 400000 |
| 07-M034 | THE CURRENT CONDENSATE LIFT PUMPS IN THE RODENT CAGE WASHERS ROOM ARE OVER 30 YEARS OLD AND AT RISK OF | REPLACE THE CONDENSATE LIFT PUMPS AT THE CAGE WASHERS | 10000 |

| D_NO | Description | Recommended Correction | Cost |
|--|---|--|----------------------|
| 07-M035 | IN MECHANICAL ROOM 155 OF THE NEW LIFE SCIENCES BUILDING, THE MEDICAL AIR DRYER IS NOT WORKING, CAUSING BOTTLED AIR | REPLACE THE MEDICAL AIR DRYER. PROVIDE DEWPOINT MONITORING OF THE MEDICAL AIR SUPPLY, WITH ALARM | 10000 |
| 07-M036 | THERE IS NO BYPASS WATER SUPPLY LINE, WITH BACKFLOW PREVENTER, AT THE NEW LIFE SCIENCE BUILDING. THIS | INSTALL A BYPASS DOMESTIC WATER SUPPLY LINE, WITH BACKFLOW PREVENTER, IN THE MAIN MECHANICAL ROOM. FOR | 40000 |
| 07-M037 | THE DOMESTIC HOT WATER HEATER IS CORRODED BADLY AT THE DRAIN FITTING. PIPING IS ALSO BADLY CORRODED AND COULD | REPLACE THE DOMESTIC HOT WATER HEATER WITH A DUAL INSTANTANEOUS STEAM HOT WATER HEATER. REPLACE ALL | 50000 |
| 07-M038 | TWO LOADING DOCKS, ON THE EAST AND WEST SIDES OF THE HEALTH SCIENCE BUILDING, ARE UNSPRINKLERED. | INSTALL DRY SPRINKLER SYSTEMS AT THE EAST AND WEST SIDE LOADING DOCKS. | 150000 |
| | | TOTAL BRODY | \$118,447,000 |
| BUILDING 165 (DAILY REFLECTOR BLDG 2) | | | |
| 07-E080 | THIS BUILDING HAS NO FIRE ALARM SYSTEM. | RECOMMEND INSTALLING A FIRE ALARM SYSTEM IN ACCORDANCE WITH NC DEPARTMENT OF INSURANCE | 1000 |
| 07-E081 | THE EXIT AND EGRESS LIGHTING IN THIS BUILDING DOES NOT MEET CODE AND DOI STANDARDS. | INSTALL EXIT AND EGRESS LIGHTING IN THIS BUILDING. ENSURE THAT THE NEW EXIT LIGHTS ARE LED AND THAT ALL | 5000 |
| | | TOTAL BUILDING 165 (DAILY) | \$6,000 |
| BUILDING 172 (WASH HOUSE) | | | |
| 07-E082 | THIS BUILDING HAS NO FIRE ALARM SYSTEM. | INSTALL A FIRE ALARM SYSTEM IN ACCORDANCE WITH THE NC FIRE CODE AND DOI REQUIREMENTS. | 13000 |
| 07-G175 | ORIGINAL, METAL FRAMED (ALUMINUM STOREFRONT SYSTEM) SINGLE GLAZED WINDOWS ARE AT/NEAR END OF EXPECTED LIFE, | INSTALL NEW, WINDOWS (STOREFRONT SYSTEM) WITH THERMAL BREAK FRAMES AND INSULATED GLASS WITH LOW E | 68000 |
| 07-G176 | SOIL AT REAR CORNER OF BUILDING IS ERODING INTO CREEK. REAR WALL AT BUILDING HAS CRACKS. | STABILIZE AND BACKFILL REAR CORNER OF BUILDING. INSTALL RETAINING WALL AT CREEK BED TO PREVENT FUTURE EROSION. | 65000 |
| 07-G177 | SINGLE-PLY ROOF IS APPARENTLY IN VERY POOR CONDITION AND APPEARS TO BE AT END OF EXPECTED LIFE. DUE TO CONTINUOUS | REMOVE ALL ROOF MATERIALS TO EXPOSE STRUCTURAL DECK AND REPAIR AS REQUIRED. INSTALL NEW FLASHING, | 65000 |
| | | TOTAL BUILDING 172 (WASH) | \$211,000 |
| BUILDING 198 (ONLINE) | | | |
| 07-E084 | THIS BUILDING HAS NO FIRE ALARM SYSTEM. | INSTALL A FIRE ALARM SYSTEM IN ACCORDANCE WITH THE NC FIRE CODE AND DOI REQUIREMENTS. | 12000 |
| 07-G178 | ASPHALT SHINGLE ROOF IS NEAR END OF USEFUL LIFE. | REMOVE ALL ROOF MATERIALS (SHINGLES) TO EXPOSE THE STRUCTURAL DECK AND REPAIR AS REQUIRED. PROPERLY | 10000 |
| 07-G179 | MOST OF THE EXTERIOR WOOD TRIM IS DETERIORATED FROM WATER DAMAGE. THE ALUMINUM COVERED FASCIA AT REAR OF | REPAIR OR REPLACE WOOD AND ALUMINUM COVERED EXTERIOR TRIM WHERE IT IS DAMAGED. INSTALL NEW GUTTER | 10000 |
| | | TOTAL BUILDING 198 (ONLINE) | \$32,000 |
| BUILDING 214 HAS BEEN DEMOLISHED | | | |
| 07-G185 | STRUCTURE WAS RECENTLY BURNED AND THE EXTEND OF DAMAGE SUSTAINED, COMBINED WITH THE COST OF BRINGING A | DEMOLISH EXISTING WAREHOUSE AND CONSTRUCT NEW BUILDING WITH APPROXIMATELY SAME SQUARE FOOTAGE. | 1510000 |
| | | TOTAL BUILDING 214 HAS | \$1,510,000 |
| CAMPUS HEAT DISTRIBUTION CENTER | | | |
| 07-M033 | THE CONDENSATE RECEIVER TANKS ARE ADVANCED IN AGE AND LIKELY TO FAIL IN THE NEAR FUTURE. THE TANKS APPEAR TO BE | REPLACE THE CONDENSATE RECEIVER TANKS. THE NEW TANKS SHOULD BE SIZED TO MEET THE CURRENT AND PROJECTED | 300000 |
| 07-M034 | THE MECHANICAL ROOM IS PRONE TO FLOODING, AND NEEDS AN ADEQUATELY SIZED SUMP PUMP TO REMOVE ANY STANDING | PROVIDE A SUMP PUMP SYSTEM FOR THE MECHANICAL ROOM. | 25000 |
| | | TOTAL CAMPUS HEAT | \$325,000 |

| D_NO | Description | Recommended Correction | Cost |
|-------------------------------|---|---|--------------------|
| CAMPUS WIDE | | | |
| 07-E061 | SEVERAL FACILITIES NEED ADDITIONAL EGRESS LIGHTING. | AS NOTED DURING THE CAMPUS INSPECTION, SOME FACILITIES HAD NO EMERGENCY EGRESS LIGHTS AND SOME OTHERS | 50000 |
| TOTAL CAMPUS WIDE | | | \$50,000 |
| CAREER SERVICES | | | |
| 07-E024 | THIS BUILDING DOES NOT HAVE A FIRE ALARM SYSTEM. | RECOMMEND INSTALLING A FIRE ALARM SYSTEM IN ACCORDANCE WITH NC DEPARTMENT OF INSURANCE | 10000 |
| 07-G079 | SOME EXTERIOR (BASEMENT ENTRY DOORS) AND INTERIOR DOORS AND HARDWARE ARE NEAR END OF USEFUL LIFE. | REPLACE OR REPAIR DOORS AND HARDWARE AS NEEDED. | 15000 |
| 07-G080 | ALTHOUGH PAINTED, STANDING SEAM ROOF WAS RECENTLY SEALED, CONDITION OF METAL IS IN QUESTIONABLE SHAPE AND ORIGINAL, WOOD, SINGLE GLAZED WINDOWS AND CAULKING ARE NEAR END OF EXPECTED LIFE, IN POOR OPERATING CONDITION | REMOVE ALL ROOF MATERIALS TO EXPOSE STRUCTURAL DECK AND REPAIR AS REQUIRED. INSTALL NEW FLASHING, THERMAL BREAK FRAMES AND INSULATED GLASS WITH LOW E | 60000 |
| 07-G081 | INTERIOR FINISHES AND TRIM ARE NEARING END OF USEFUL LIFE. IN ADDITION, PARTIAL BASEMENT IS SHOWING SIGNS OF | REPAIR INTERIOR TRIM AND REPAINT. REPAIR FOUNDATION WALL TO PREVENT WATER INFILTRATION INTO BASEMENT. | 50500 |
| 07-G082 | ATTIC VENTILATION IS NOT ADEQUATE AS REQUIRED BY STATE BUILDING CODE. WOOD CEILING AREA IS USED FOR STORAGE OF | IMPROVE ATTIC VENTILATION AS REQUIRED BY THE STATE BUILDING CODE. REMOVE COMBUSTIBLE STORAGE FROM | 25000 |
| 07-G083 | | | 5000 |
| TOTAL CAREER SERVICES | | | \$165,500 |
| CHANCELLOR'S RESIDENCE | | | |
| 07-E050 | THE EXISTING FIRE ALARM DOES NOT MEET THE FIRE CODE. | INSTALL A FIRE ALARM SYSTEM IN ACCORDANCE WITH THE NC FIRE CODE AND DOI REQUIREMENTS. | 20000 |
| 07-E051 | THE EXISTING LIGHTING IS INADEQUATE AND NEEDS TO BE REPLACED. | INSTALL NEW ENERGY SAVING LIGHTS. | 4000 |
| 07-G113 | MORTAR JOINTS IN SLATE PATIO ARE DETERIORATED AND PORTIONS OF PATIO HAS SETTLED. FRONT PORCH HAS CRACKS IN | REPAIR MORTAR JOINTS IN SLATE PATIO. DEMOLISH AND REBUILD FRONT PORCH AS REQUIRED FOR ADEQUATE | 125000 |
| TOTAL CHANCELLOR'S | | | \$149,000 |
| CHRISTENBURY GYM | | | |
| 07-E006 | THE EXISTING TRANSFORMER IS REACHING THE END OF ITS USEFUL LIFE. | INSTALL A NEW TRANSFORMER. | 50000 |
| 07-E007 | THE EXISTING TRANSFORMER IS REACHING THE END OF ITS USEFUL LIFE | INSTALL A NEW TRANSFORMER. | 8000 |
| 07-G028 | SINGLE PLY ROOF IS IN POOR CONDITION AND NEAR/AT END OF EXPECTED LIFE. | REMOVE ALL ROOF MATERIALS TO EXPOSE STRUCTURAL DECK AND REPAIR AS REQUIRED. INSTALL NEW FLASHING, | 315600 |
| 07-G029 | ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL SYSTEMS IN THIS 55 YEAR OLD, ATHLETIC BUILDING ARE AT THE | REMOVE ALL EXISTING INTERIOR SYSTEMS, AND REVISE INTERIOR PLANS AS REQUIRED BY FUNCTIONS AND CODES. | 9250000 |
| 07-G030 | ASPHALT SHINGLE ROOF IS NEAR/AT END OF USEFUL LIFE. | REMOVE ALL ROOF MATERIALS (SHINGLES) TO EXPOSE THE STRUCTURAL DECK AND REPAIR AS REQUIRED. PROPERLY | 12000 |
| TOTAL CHRISTENBURY GYM | | | \$9,635,600 |
| COTANCHE BUILDING | | | |
| 07-E076 | THERE ARE NO EXIT OR EGRESS LIGHTS IN THIS BUILDING. | INSTALL EXIT AND EGRESS LIGHTING IN THIS BUILDING. ENSURE THAT THE NEW EXIT LIGHTS ARE LED AND THAT ALL | 4000 |
| 07-E077 | THE NEW PANEL REQUIRES A NEW FEEDER. | INSTALL A NEW FEEDER TO THE PANEL SIZED IN ACCORDANCE WITH THE NEC. | 15000 |
| 07-E078 | THE EMERGENCY GENERATOR IS REACHING THE END OF IT'S SERVICE LIFE AND NEEDS TO BE REPLACED. | INSTALL A DIESEL GENERATOR TO SUPPLY EMERGENCY POWER. | 75000 |

| D_NO | Description | Recommended Correction | Cost |
|--|--|---|--------------------|
| 07-E079 | THIS BUILDING HAS NO FIRE ALARM SYSTEM. | INSTALL A FIRE ALARM SYSTEM IN ACCORDANCE WITH THE NC FIRE CODE AND DOI REQUIREMENTS. | 65000 |
| 07-G237 | ECU MOVED INTO THIS FORMER NEWSPAPER BUILDING IN 2002, AND NOW USES IT AS ECU'S PRIMARY INFORMATION TECHNOLOGY | COMPLETE A LONG TERM STUDY OF INFORMATION TECHNOLOGY NEEDS AND THE INFRASTRUCTURE TO SUPPORT THESE NEEDS. | 5000000 |
| | | TOTAL COTANCHE BUILDING | \$5,159,000 |
| CSDI | | | |
| 07-E054 | THIS BUILDING DOES NOT HAVE A FIRE/SMOKE DETECTION AND ALARM SYSTEM. FIRE ALARM IS CRITICAL IN BOTH PROTECTING ORIGINAL, ALUMINUM, SINGLE GLAZED WINDOWS AND CAULKING ARE NEAR END OF EXPECTED LIFE, ARE IN POOR OPERATING PAINT IS NEAR END OF EXPECTED LIFE. | DESIGN, FURNISH, AND INSTALL A FIRE/SMOKE DETECTION AND ALARM SYSTEM WITH EMERGENCY POWER. THE ALARM SYSTEM INSTALL NEW WINDOWS WITH SOME OPERABLE SECTIONS, THERMAL BREAK FRAMES AND INSULATED GLASS WITH LOW E REPAIR AND REPAINT INTERIOR AND EXTERIOR FINISHES AS NEEDED. | 13000 |
| 07-G126 | | | 45000 |
| 07-G127 | | | 25000 |
| | | TOTAL CSDI | \$83,000 |
| DEVELOPMENT EVALUATION CLINIC | | | |
| 07-G160 | ORIGINAL, WOOD AND METAL FRAMED, SINGLE GLAZED WINDOWS ARE NEAR/AT END OF EXPECTED LIFE, IN POOR OPERATING | INSTALL NEW, OPERABLE WINDOWS WITH THERMAL BREAK FRAMES AND INSULATED GLASS WITH LOW E COATING. | 20000 |
| | | TOTAL DEVELOPMENT | \$20,000 |
| ECU-MED - PATIENT SERV | | | |
| 07-E020 | THE EXISTING FIRE ALARM IS ALSO WIRED IN WITH THE BURGLAR ALARM SYSTEM. THESE SYSTEMS SHOULD BE COMPLETELY SINGLE PLY ROOF IS NEARING END OF LIFE | RECOMMEND INSTALL A NEW FIRE ALARM SYSTEM THAT REPORTS TO A MANNED 24 HOUR STATION. | 11000 |
| 07-G042 | | REMOVE ALL ROOF MATERIAL TO EXPOSE STRUCTURAL DECK. REPAIR DECK AND DRAINS AS NEEDED. INSTALL NEW REPLACE TILE FLOORS AND CARPET. | 45000 |
| 07-G043 | TILE FLOORS IN TOILETS ARE AT END OF USEFUL LIFE. CARPET IN CORRIDORS HAS UNEVEN SURFACE. | | 9000 |
| 07-G044 | ENTRANCE DOORS ARE EXPOSED TO WIND AND RAIN. | INSTALL CANOPIES OVER ENTRANCE DOORS. | 9000 |
| 07-G045 | EXTERIOR EXIT DOORS HAVE NO PANIC HARDWARE. INTERIOR DOOR FRAMES ARE NEAR END OF USEFUL LIFE. | INSTALL PANIC HARDWARE ON EXIT DOORS. REPLACE INTERIOR DOOR FRAMES AS NEEDED. | 9000 |
| | | TOTAL ECU-MED - PATIENT | \$83,000 |
| ENVIRONMENTAL HEALTH AND SAFETY | | | |
| 07-E075 | THIS BUILDING HAS NO FIRE ALARM SYSTEM. | INSTALL A FIRE ALARM SYSTEM IN ACCORDANCE WITH THE NC FIRE CODE AND DOI REQUIREMENTS. | 10000 |
| 07-G174 | ORIGINAL, WOOD, SINGLE GLAZED WINDOWS AND CAULKING ARE NEAR/AT END OF EXPECTED LIFE, ARE IN POOR OPERATING | INSTALL NEW, OPERABLE WINDOWS WITH THERMAL BREAK FRAMES AND INSULATED GLASS WITH LOW E COATING. REPAIR | 25000 |
| | | TOTAL ENVIRONMENTAL | \$35,000 |
| ERWIN | | | |
| 07-G076 | THIS BUILDING HAS MULTIPLE MAJOR DEFICIENCIES IN EXISTING SYSTEMS, AND THE ESTIMATED COST OF RENOVATION IS HIGH IN SINGLE PLY ROOF (21 YEARS OLD) IS IN FAIR TO POOR CONDITION AND NEAR/AT END OF EXPECTED LIFE. NOTE: ALTHOUGH | DEMOLITION FOR FUTURE REPLACEMENT OF THIS BUILDING IS RECOMMENDED. THE COST ESTIMATE IS FOR DEMOLITION REMOVE ALL ROOF MATERIALS TO EXPOSE STRUCTURAL DECK AND REPAIR AS REQUIRED. INSTALL NEW FLASHING, | 100000 |
| 07-G077 | | | 60000 |
| | | TOTAL ERWIN | \$160,000 |
| FINANCIAL SERVICES | | | |

| D_NO | Description | Recommended Correction | Cost |
|-------------------------------------|--|---|---------------------|
| 07-E069 | THIS FACILITY DOES NOT HAVE A FIRE ALARM SYSTEM TO PROTECT LIFE AND STATE PROPERTY. | RECOMMEND INSTALLING AN ADDRESSABLE FIRE ALARM SYSTEM THAT REPORTS TO AN APPROVED 24-HR. MANNED | 13000 |
| 07-E070 | THERE IS NO EMERGENCY POWER SOURCE TO RUN PUMPS , FANS, MOTORS, AND ANY OTHER REQUIRED EQUIPMENT UNDER | INSTALL A DIESEL GENERATOR TO SUPPLY EMERGENCY POWER. | 40000 |
| 07-G155 | CONCRETE ENTRANCE STEPS ARE UNSAFE. RISERS ARE VARIOUS HEIGHTS AND ARE NOT SIZED AS REQUIRED BY THE STATE | DEMOLISH CONCRETE ENTRANCE STEPS AND REBUILD AS REQUIRED TO COMPLY WITH THE STATE BUILDING CODE. | 20000 |
| 07-G156 | BUILT-UP ROOF IS IN FAIR CONDITION AND NEARING END OF EXPECTED LIFE. SOME REPAIRS MAY BE NEEDED BEFORE | REMOVE ALL ROOF MATERIALS TO EXPOSE STRUCTURAL DECK AND REPAIR AS REQUIRED. INSTALL NEW FLASHING, | 67000 |
| | | TOTAL FINANCIAL SERVICES | \$140,000 |
| FLETCHER MUSIC | | | |
| 07-E004 | THE EXISTING TRANSFORMER IS REACHING THE END OF ITS USEFUL LIFE. | INSTALL A NEW TRANSFORMER. | 40000 |
| 07-G032 | ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL SYSTEMS IN THIS 41 YEAR OLD, MUSIC EDUCATION BUILDING | REMOVE ALL EXISTING INTERIOR SYSTEMS, AND REVISE INTERIOR PLANS AS REQUIRED BY FUNCTIONS AND CODES. | 11500000 |
| 07-M005 | AS NOTED PREVIOUSLY BY THE DEPARTMENT OF INSURANCE AND INDUSTRIAL RISK INSURERS, THE OLDER SECTION OF FLETCHER | PROVIDE A FIRE PROTECTION SPRINKLER SYSTEM. | 675000 |
| | | TOTAL FLETCHER MUSIC | \$12,215,000 |
| GRAHAM | | | |
| 07-G014 | EXTERIOR WALL BELOW GRADE APPARENTLY HAS GOOD WATERPROOFING. NO DAMAGE FROM FUNGAL GROWTH TO | REPAIR CAULK AND MORTAR JOINTS AS NEEDED (ESPECIALLY AT LOWER ROOF AREA). RENOVATE ENTRYWAYS TO PROVIDE | 265000 |
| 07-G015 | FELT LAYER UNDER CLAY TILE ROOF IS LIKELY NEAR END OF USEFUL LIFE. GUTTERS ARE APPARENTLY IN POOR CONDITION. | REMOVE CLAY TILE, REPAIR DECK AND STRUCTURE AS REQUIRED AND REPLACE FELT, TILE AND GUTTER. REPAIR | 125000 |
| 07-G016 | PREVIOUS AND MOST RECENT DOI REPORTS INDICATE THE FOLLOWING VIOLATIONS OF STATE BUILDING CODE. ATTIC HAS | RENOVATE ATTIC DRAFT STOPPING, STAIR AND CLASSROOM DOORS AND STAIR TREADS AS REQUIRED TO COMPLY WITH | 150000 |
| 07-G017 | ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL SYSTEMS IN THIS 78 YEAR OLD, EDUCATIONAL ADMINISTRATION | REMOVE ALL EXISTING INTERIOR SYSTEMS, AND REVISE INTERIOR PLANS AS REQUIRED BY FUNCTIONS AND CODES. | 4200000 |
| | | TOTAL GRAHAM | \$4,740,000 |
| GREENVILLE CENTRE | | | |
| 07-G182 | SINGLE-PLY ROOF (LIKELY 17+ YEARS OLD) IS AT END OF EXPECTED LIFE. SOME REPAIRS MAY BE NEEDED BEFORE | REMOVE ALL ROOF MATERIALS TO EXPOSE STRUCTURAL DECK AND REPAIR AS REQUIRED. INSTALL NEW FLASHING, | 145000 |
| 07-G183 | EVIDENCE OF EXCESSIVE CAULKING AT PERIMETER OF WINDOWS (ESPECIALLY AT WINDOWS ALONG FRONT OF BUILDING) MAY | INVESTIGATE AND CORRECT POSSIBLE LEAKING WINDOW SURROUNDS. | 10000 |
| 07-M064 | THE GREENVILLE CENTER IS A GOOD CANDIDATE FOR HVAC RETRO COMMISSIONING. THE BUILDING'S HVAC ZONES HAVE | PERFORM RETRO COMMISSIONING ON THE HVAC SYSTEM, INCLUDING COMPLETE TEST AND BALANCE. PROVIDE BETTER | 400000 |
| | | TOTAL GREENVILLE CENTRE | \$555,000 |
| HARRIS | | | |
| 07-G169 | GUTTER SYSTEM IS IN A STATE OF DISREPAIR. | REPLACE DAMAGED, DETERIORATED AND END OF LIFE GUTTER AND DOWNSPOUT SYSTEM. | 15000 |
| 07-G170 | HARDWARE AT INTERIOR DOORS IS NOT FULLY ADA COMPLIANT. | REPLACE OR REPAIR DOORS AND HARDWARE AS NEEDED. | 15000 |
| | | TOTAL HARRIS | \$30,000 |
| HEALTH SCIENCE ALL BUILDINGS | | | |
| 07-G054 | SOME BUILDINGS DO NOT COMPLY FULLY WITH ADA GUIDELINES AND CURRENT CODES. | A STUDY TO DETERMINE EXTENT AND COST OF ADA DEFICIENCIES IS RECOMMENDED. | 15000 |

| D_NO | Description | Recommended Correction | Cost |
|-------------------------------|---|---|--------------------|
| | | TOTAL HEALTH SCIENCE ALL | \$15,000 |
| HOWELL SCIENCE - EAST | | | |
| 07-G021 | ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL SYSTEMS IN THIS 38 YEAR OLD, SCIENCE CLASSROOM BUILDING | REMOVE ALL EXISTING INTERIOR SYSTEMS, AND REVISE INTERIOR PLANS AS REQUIRED BY FUNCTIONS AND CODES. | 5000000 |
| 07-G022 | ELEVATORS DO NOT COMPLY WITH CURRENT STANDARDS. | UPGRADE ELEVATORS AS NEEDED WITH NEW CONTROLS, DOOR OPERATING SYSTEM AND OTHER ITEMS TO COMPLY WITH ADA | 200000 |
| 07-G023 | SINGLE PLY ROOF IS IN POOR CONDITION AND NEAR/AT END OF EXPECTED LIFE. | REMOVE ALL ROOF MATERIALS TO EXPOSE STRUCTURAL DECK AND REPAIR AS REQUIRED. INSTALL NEW FLASHING, | 92000 |
| | | TOTAL HOWELL SCIENCE - | \$5,292,000 |
| HOWELL SCIENCE - NORTH | | | |
| 07-G019 | SINGLE PLY ROOF IS IN POOR CONDITION AND NEAR/AT END OF EXPECTED LIFE. | REMOVE ALL ROOF MATERIALS TO EXPOSE STRUCTURAL DECK AND REPAIR AS REQUIRED. INSTALL NEW FLASHING, | 108000 |
| 07-G020 | ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL SYSTEMS IN THIS 38 YEAR OLD, SCIENCE CLASSROOM BUILDING | REMOVE ALL EXISTING INTERIOR SYSTEMS, AND REVISE INTERIOR PLANS AS REQUIRED BY FUNCTIONS AND CODES. | 1900000 |
| 07-G120 | ELEVATORS DO NOT COMPLY WITH CURRENT STANDARDS. | UPGRADE ELEVATORS AS NEEDED WITH NEW CONTROLS, DOOR OPERATING SYSTEM AND OTHER ITEMS TO COMPLY WITH ADA | 300000 |
| 07-G121 | SINGLE PLY ROOF IS IN POOR CONDITION AND NEAR/AT END OF EXPECTED LIFE. | REMOVE ALL ROOF MATERIALS TO EXPOSE STRUCTURAL DECK AND REPAIR AS REQUIRED. INSTALL NEW FLASHING, | 182000 |
| 07-G122 | ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL SYSTEMS IN THIS 38 YEAR OLD, SCIENCE CLASSROOM BUILDING | REMOVE ALL EXISTING INTERIOR SYSTEMS, AND REVISE INTERIOR PLANS AS REQUIRED BY FUNCTIONS AND CODES. | 6400000 |
| | | TOTAL HOWELL SCIENCE - | \$8,890,000 |
| HOWELL SCIENCE - SOUTH | | | |
| 07-G024 | SINGLE PLY ROOF IS IN POOR CONDITION AND NEAR/AT END OF EXPECTED LIFE. | REMOVE ALL ROOF MATERIALS TO EXPOSE STRUCTURAL DECK AND REPAIR AS REQUIRED. INSTALL NEW FLASHING, | 96000 |
| 07-G025 | ELEVATORS DO NOT COMPLY WITH CURRENT STANDARDS. | UPGRADE ELEVATORS AS NEEDED WITH NEW CONTROLS, DOOR OPERATING SYSTEM AND OTHER ITEMS TO COMPLY WITH ADA | 300000 |
| 07-G026 | ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL SYSTEMS IN THIS 38 YEAR OLD, SCIENCE CLASSROOM BUILDING | REMOVE ALL EXISTING INTERIOR SYSTEMS, AND REVISE INTERIOR PLANS AS REQUIRED BY FUNCTIONS AND CODES. | 8200000 |
| | | TOTAL HOWELL SCIENCE - | \$8,596,000 |
| HSC EMERGENCY PHONES | | | |
| 07-E022 | SOME OF THE EXTERIOR EMERGENCY PHONES NEED REPLACING AND SEVERAL NEED TO BE ADDED FOR INCREASED SECURITY. | RECOMMEND ADDING NEW EMERGENCY PHONES AND REPLACING THE ONES THAT CANNOT BE REPAIRED. | 31000 |
| | | TOTAL HSC EMERGENCY | \$31,000 |
| HUMAN RESOURCES | | | |
| 07-E074 | THIS BUILDING HAS NO FIRE ALARM SYSTEM. | RECOMMEND INSTALLING A FIRE ALARM SYSTEM IN ACCORDANCE WITH NC DEPARTMENT OF INSURANCE | 10000 |
| 07-G171 | SOME EXTERIOR DOORS (SECOND FLOOR BALCONY) AND HARDWARE ARE AT END OF USEFUL LIFE. | REPLACE OR REPAIR DOORS AND HARDWARE AS NEEDED. | 15000 |
| 07-G172 | RESTROOMS ARE SMALL AND DO NOT APPEAR TO BE ADA ACCESSIBLE. | RENOVATE RESTROOMS TO COMPLY WITH ADA GUIDELINES. | 30000 |
| 07-G173 | FINISHES AT INTERIOR AND EXTERIOR OF BUILDING ARE AT END OF LIFE. SOME DECORATIVE EXTERIOR WOOD TRIM IS IN POOR | PRESSURE WASH EXTERIOR OF BUILDING. REPAIR AND REPAINT DETERIORATED INTERIOR AND EXTERIOR FINISHES AS | 35000 |
| | | TOTAL HUMAN RESOURCES | \$90,000 |

| D_NO | Description | Recommended Correction | Cost |
|---|---|--|---------------------|
| INFRASTRUCTURE | | | |
| 07-E088 | PARKING LOT LIGHTING OUTSIDE SPEECH AND HEARING CLINIC IS INADEQUATE. SOME AREAS ARE VERY DARK AT NIGHTS. IN | RECOMMEND INSTALLING ADDITIONAL 400 WATTS HIGH PRESSURE SODIUM (HPS) FIXTURES (TWO FIXTURES PER POLE), | 100000 |
| | | TOTAL INFRASTRUCTURE | \$100,000 |
| INFRASTRUCTURE - SANITARY - MAIN | | | |
| 07-M041 | SOME SECTIONS OF SANITARY SEWER PIPING ARE KNOWN TO BE DAMAGED BEYOND REPAIR. OTHER LOCATIONS WITHIN THE | REPLACE THE SECTIONS OF SEWER PIPE KNOWN TO BE DAMAGED BEYOND REPAIR. | 900000 |
| | | TOTAL INFRASTRUCTURE - | \$900,000 |
| INFRASTRUCTURE - STEAM - MAIN | | | |
| 07-M045 | MOST OF THE UNDERGROUND STEAM AND CONDENSATE PIPING ON CAMPUS HAS SEVERELY DETERIORATED. NUMEROUS REPAIRS | REPLACE DETERIORATED STEAM AND CONDENSATE PIPING AS NECESSARY THROUGHOUT THE CAMPUS. | 29000000 |
| 07-M056 | A BOILER BLOWDOWN HEAT EXCHANGER IS NEEDED AT THE ECU STEAM PLANT TO RECOVER HEAT ENERGY THAT IS CURRENTLY | PROVIDE A STEAM BLOWDOWN HEAT EXCHANGER. | 300000 |
| | | TOTAL INFRASTRUCTURE - | \$29,300,000 |
| INFRASTRUCTURE - STORM - MAIN | | | |
| 07-M043 | THE STORM DRAIN SYSTEM IS INADEQUATE AT NUMEROUS LOCATIONS ON CAMPUS. TYPICAL PROBLEMS INCLUDE STANDING | UPGRADE THE STORM DRAIN SYSTEM TO CORRECT THE DEFICIENCIES. CORRECTIVE ACTION WILL DEPEND ON THE | 2000000 |
| 07-M044 | THE MAIN STORM DRAIN CHANNEL KNOWN AS TOWN CREEK HAS BEEN DAMAGED BETWEEN FIRST STREET AND THIRD STREET, | PROVIDE CONSTRUCTION TO STABILIZE THIS DRAINAGE CHANNEL. POSSIBLE SOLUTIONS INCLUDE AN ENCLOSED | 1000000 |
| | | TOTAL INFRASTRUCTURE - | \$3,000,000 |
| INFRASTRUCTURE - WATER - MAIN | | | |
| 07-M042 | NUMEROUS BUILDINGS ON CAMPUS DO NOT HAVE BACKFLOW PREVENTERS WHICH MEET CURRENT REQUIREMENTS. THESE | PROVIDE BACKFLOW PREVENTERS TO MEET CURRENT STANDARDS. LOCATIONS FOR THIS EQUIPMENT ARE AVAILABLE | 60000 |
| | | TOTAL INFRASTRUCTURE - | \$60,000 |
| INSTITUTIONAL ADVANCEMENT | | | |
| 07-E005 | THIS FACILITY DOES NOT HAVE A FIRE ALARM SYSTEM TO PROTECT LIFE AND STATE PROPERTY. | RECOMMEND INSTALLING AN ADDRESSABLE FIRE ALARM SYSTEM THAT REPORTS TO AN APPROVED 24-HR. MANNED | 15000 |
| 07-G152 | THE MAJORITY OF SUSPENDED CEILING (2 X 2) THROUGH-OUT BUILDING IS STAINED, BRITTLE AND PAST END OF USEFUL LIFE. | REPLACE STAINED, BRITTLE AND END OF LIFE SUSPENDED CEILINGS THROUGH OUT BUILDING. | 30000 |
| 07-G153 | SOME EXTERIOR DOORS AND HARDWARE ARE NEAR END OF USEFUL LIFE. IN ADDITION, SOME HARDWARE AND DOORS AT | REPLACE OR REPAIR DOORS AND HARDWARE AS NEEDED. | 45000 |
| 07-G154 | EXTERIOR WALLS APPARENTLY HAS FAIR TO GOOD WATERPROOFING. NO DAMAGE TO INTERIOR WALLS FROM | TO REDUCE MOISTURE MOVING THROUGH EXTERIOR WALL, APPLY A SILICON COATING TO EXTERIOR. | 12000 |
| 07-M040 | AS NOTED PREVIOUSLY BY THE DEPARTMENT OF INSURANCE AND INDUSTRIAL RISK INSURERS, THE BUILDING HAS NO SPRINKLER | PROVIDE A FIRE PROTECTION SPRINKLER SYSTEM. | 80000 |
| | | TOTAL INSTITUTIONAL | \$182,000 |
| INTERNATIONAL HOUSE | | | |
| 07-E052 | THE EXISTING FIRE ALARM DOES NOT MEET THE FIRE CODE. | INSTALL A FIRE ALARM SYSTEM IN ACCORDANCE WITH THE NC FIRE CODE AND DOI REQUIREMENTS. | 8000 |
| 07-G114 | SINGLE-PLY ROOF IS IN POOR CONDITION AND NEAR END OF EXPECTED LIFE. SOME REPAIRS MAY BE NEEDED BEFORE | REMOVE ALL ROOF MATERIALS TO EXPOSE STRUCTURAL DECK AND REPAIR AS REQUIRED. INSTALL NEW FLASHING, | 25000 |

| D_NO | Description | Recommended Correction | Cost |
|------------------------------|--|---|---------------------|
| 07-G115 | PAINT WILL SOON BE NEAR END OF EXPECTED LIFE. | REPAINT INTERIOR AND EXTERIOR FINISHES AS NEEDED. | 20000 |
| 07-G116 | DOI REPORT INDICATES THAT BUILDING HAS AN OPEN STAIRWELL TO THE SECOND FLOOR. IN ADDITION, THERE IS NO DIRECT EXIT | RENOVATE EXISTING STAIRS AND EGRESS ROUTES TO COMPLY WITH THE STATE BUILDING CODE. ADD AN EXTERIOR FIRE | 95000 |
| 07-G117 | SOME EXTERIOR AND INTERIOR DOORS AND HARDWARE ARE NEAR END OF USEFUL LIFE. | REPLACE OR REPAIR DOORS AND HARDWARE AS NEEDED. | 15000 |
| 07-G118 | ORIGINAL, WOOD FRAMED, SINGLE GLAZED WINDOWS AND CAULKING ARE NEAR END OF EXPECTED LIFE, ARE IN POOR | INSTALL NEW WINDOWS WITH SOME OPERABLE SECTIONS, THERMAL BREAK FRAMES AND INSULATED GLASS WITH LOW E | 52000 |
| 07-G119 | WATER IS PENETRATING WALL BELOW GRADE AND CONTRIBUTING TO DAMAGE OF INTERIOR SURFACES AND FUNGAL GROWTH. | EXCAVATE EARTH IN AFFECTED AREAS, INSTALL NEW WATERPROOFING SYSTEM AND DRAINS AND REPLACE ALL | 50000 |
| | | TOTAL INTERNATIONAL HOUSE | \$265,000 |
| IRONS | | | |
| 07-G125 | ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL SYSTEMS IN THIS 37 YEAR OLD BUILDING ARE NEAR/AT THE END | REMOVE ALL EXISTING INTERIOR SYSTEMS, AND REVISE INTERIOR PLANS AS REQUIRED BY FUNCTIONS AND CODES. | 1550000 |
| | | TOTAL IRONS | \$1,550,000 |
| JENKINS CANCER CENTER | | | |
| 07-E012 | THE BRANCH CIRCUIT PANELS ARE EITHER FULL OR NEAR CAPACITY ON THE SECOND FLOOR. ADDITIONAL CIRCUITS ARE | RECOMMEND INSTALLING ONE ADDITIONAL PANEL ON THE SECOND FLOOR. THERE APPEARS TO BE SUFFICIENT POWER ON | 5000 |
| 07-E015 | THE EXISTING FIRE ALARM DOES NOT MEET THE FIRE CODE. | INSTALL A FIRE ALARM SYSTEM IN ACCORDANCE WITH THE NC FIRE CODE AND DOI REQUIREMENTS. | 75000 |
| 07-G024 | ROOFS ARE IN POOR CONDITION AND NEAR END OF LIFE. LEAKS AT PERMITER AND AT FAILING SEAMS. | REMOVE ALL ROOF MATERIALS TO EXPOSE STRUCTURAL DECK AND REPAIR AS REQUIRED. INSTALL NEW FLASHING, | 62000 |
| 07-G025 | SOME EXTERIOR DOORS AND HARDWARE WILL SOON BE NEAR END OF USEFUL LIFE. SOME INTERIOR DOOR HARDWARE SHOULD BE | REPLACE OR REPAIR DOORS AND HARDWARE AS NEEDED. REPLACE INTERIOR DOOR HARDWARE WHERE NEEDED. | 40000 |
| 07-G026 | SEVERAL WINDOWS HAVE LOST VACUUM SEALS. STEEL LINTELS ARE RUSTED. WINDOWS IN THE CHEMO UNIT ARE VERY LARGE, | REPLACE WINDOW UNITS WITH NEW INSULATED GLASS UNITS WITH LOW E COATING. REPAINT STEEL LINTELS. IN ADDITION TO | 32000 |
| 07-G027 | BRICK PAVERS IN COURTYARD ARE SLICK WHEN WET. CONCRETE STEPS ARE IN POOR CONDITION. | INSTALL CONCRETE PAVERS AND CONSTRUCT NEW STEPS. | 24000 |
| 07-G028 | CANOPY AT ENTRANCE IS TOO LOW FOR TRANSPORT VANS, RESCUE VEHICLES AND AMBULANCES. NON-AMBULATORY | DEMOLISH CANOPY. REVISE / REDESIGN THE ENTIRE ENTRANCE, AIRLOCK, LOBBY AND RECEPTION AREA TO | 450000 |
| 07-M030 | THE SINGLE FLOW-RITE DOMESTIC HOT WATER HEATER IN LEO JENKINS MECHANICAL ROOM CC126 NEEDS A BACKUP UNIT OR | PROVIDE A BACKUP DOMESTIC HOT WATER HEATER. | 30000 |
| 07-M031 | A WATER BOOSTER PUMP IS NEEDED TO MAINTAIN ADEQUATE (50 - 60 PSI) WATER PRESSURE. CITY WATER PRESSURE IS 40 PSI. | PROVIDE A DOMESTIC WATER BOOSTER PUMP. | 10000 |
| | | TOTAL JENKINS CANCER | \$728,000 |
| JENKINS FINE ART | | | |
| 07-G037 | SECTIONS A, B, C AND F OF SINGLE-PLY ROOF IS NEARING END OF EXPECTED LIFE. SOME REPAIRS MAY BE NEEDED IMMEDIATELY TO | REMOVE ALL ROOF MATERIALS TO EXPOSE STRUCTURAL DECK AND REPAIR AS REQUIRED. INSTALL NEW FLASHING, | 360700 |
| 07-G038 | ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL SYSTEMS IN THIS 30 YEAR OLD, ART SCHOOL BUILDING ARE AT THE | REMOVE ALL EXISTING INTERIOR SYSTEMS, AND REVISE INTERIOR PLANS AS REQUIRED BY FUNCTIONS AND CODES. | 22000000 |
| | | TOTAL JENKINS FINE ART | \$22,360,700 |
| JOYNER EAST | | | |
| 07-E003 | THE EXISTING PANEL IS OLD AND REACHING THE END OF IT'S SERVICE LIFE. | RECOMMEND REPLACING THE OBSOLETE PANEL, WITH A PANEL THAT MEETS NEC REQUIREMENTS. | 7500 |

| D_NO | Description | Recommended Correction | Cost |
|-----------------------|---|---|--------------------|
| 07-G008 | SOME EXTERIOR AND INTERIOR DOORS AND HARDWARE ARE NEAR END OF USEFUL LIFE, ARE OBSOLETE, AND IN POOR CONDITION. | REPLACE OR REPAIR DOORS AND HARDWARE AS NEEDED. | 75000 |
| 07-G009 | SOME CAULK JOINTS (AT PERIMETER OF ROOF) ARE DETERIORATED AND WATER IS MOVING THROUGH EXTERIOR WALL. | REPAIR AND REPOINT MORTAR JOINTS AS NEEDED. REMOVE OLD CAULK, CLEAN JOINTS AND RECAULK ON BACKER ROD. TO | 25000 |
| 07-G010 | ORIGINAL, METAL, SINGLE GLAZED WINDOWS (AT OLD PORTION OF BUILDING) AND CAULKING ARE NEAR END OF EXPECTED LIFE, ARE | INSTALL NEW, OPERABLE WINDOWS WITH THERMAL BREAK FRAMES AND INSULATED GLASS WITH LOW E COATING. | 29000 |
| 07-G011 | INTERIOR PAINT AND FINISHES ARE NEAR/AT END OF EXPECTED LIFE. | REPAINT INTERIOR AS NEEDED. | 15000 |
| 07-G012 | RESTROOM FINISHES AND FIXTURES ARE NEAR END OF USEFUL LIFE. RESTROOMS DO NOT COMPLY WITH STATE BUILDING CODE | A COMPLETE RENOVATION OF RESTROOMS IS RECOMMENDED. | 175000 |
| 07-G013 | STEP AND STAIR, TREADS AND SURFACES ARE NEAR/AT END OF USEFUL LIFE AND MAY POSE A TRIPPING HAZARD. | REPLACE AND REPAIR DAMAGED AND DETERIORATED STEP TREAD, STAIR STRUCTURE AND HANDRAILS. | 35000 |
| 07-M001 | THE TWO SANITARY SEWER AND TWO STORM SEWER LIFT PUMPS HAVE DETERIORATED WITH AGE. THE PUMPS REQUIRE HIGH | REPLACE THE SEWER LIFT PUMPS AND ASSOCIATED CONTROLS. THE SEWER LINE NEEDS TO BE REPLACED AND AN ADDITIONAL | 50000 |
| 07-M051 | THE CURRENT HVAC SYSTEM IN JOYNER LIBRARY IS AGING AND IN NEED OF REPLACEMENT. NINE AIR HANDLERS WERE INSTALLED | PROVIDE A COMPLETE HVAC RENOVATION AND UPGRADE. ADEQUATE MAKEUP AIR IS REQUIRED AS PART OF THIS | 5000000 |
| 07-M052 | STORM SEWER LINES NEAR JOYNER LIBRARY ARE OF INSUFFICIENT SIZE TO HANDLE FLOOD RAINS. | INSTALL LARGER STORM SEWER LINES NEAR JOYNER LIBRARY. PROVIDE SUFFICIENT MANHOLES FOR INSPECTION AND | 150000 |
| 07-M055 | FIXTURES AND PIPING ARE DETERIORATED IN THE BATHROOMS. | PROVIDE COMPLETE RENOVATIONS OF FIXTURES AND PIPING IN ALL JOYNER EAST BATHROOMS. | 100000 |
| | | TOTAL JOYNER EAST | \$5,661,500 |
| JOYNER LIBRARY | | | |
| 07-E001 | THERE ARE NO EXIT OR EGRESS LIGHTS IN THIS BUILDING. | INSTALL EXIT AND EGRESS LIGHTING IN THIS BUILDING. ENSURE THAT THE NEW EXIT LIGHTS ARE LED AND THAT ALL | 3000 |
| 07-E002 | THE EMERGENCY GENERATOR IS REACHING THE END OF IT'S SERVICE LIFE AND NEEDS TO BE REPLACED. | INSTALL A DIESEL GENERATOR TO SUPPLY EMERGENCY POWER | 50000 |
| 07-G001 | SOME INTERIOR FINISHES, PAINT, SUSPENDED CEILINGS, FLOOR TILE AND STEP TREADS ARE NEAR/AT END OF MAINTAINABLE LIFE. | REPAINT INTERIOR FINISHES, REPLACE DETERIORATED FLOOR AND CEILING TILE. REPAIR/REPLACE DAMAGED AND | 118000 |
| 07-G002 | PORTIONS OF SINGLE-PLY ROOF ARE IN POOR CONDITION AND NEAR/AT END OF EXPECTED LIFE. SOME REPAIRS MAY BE NEEDED | REMOVE ALL ROOF MATERIALS TO EXPOSE STRUCTURAL DECK AND REPAIR AS REQUIRED. INSTALL NEW FLASHING, | 474000 |
| 07-G003 | ORIGINAL, METAL, SINGLE GLAZED WINDOWS (AT OLD PORTION OF BUILDING) AND CAULKING ARE NEAR END OF EXPECTED LIFE, IN | INSTALL NEW, OPERABLE WINDOWS WITH THERMAL BREAK FRAMES AND INSULATED GLASS WITH LOW E COATING. | 60000 |
| 07-G004 | ROLL-UP DOORS AT SOUTH SIDE OF BUILDING ARE NEAR/AT END OF USEFUL LIFE. | REPLACE OR REPAIR EXTERIOR ROLL-UP DOORS AND HARDWARE. | 20000 |
| 07-G005 | ALUMINUM STOREFRONT, DOORS AND HARDWARE AT COURTYARD AREA (AT MAIN ENTRY, NEAR WATER FEATURE), DUE TO HEAVY | REPAIR OR REPLACE ALUMINUM STOREFRONT SYSTEM, DOORS AND HARDWARE AS NEEDED. | 70000 |
| 07-G006 | SOME OF THE HARDWARE (ESPECIALLY AT OLD SECTION) DUE TO HEAVY USE AND AGE IS NEARING END OF USEFUL LIFE. | REPLACE AND REKEY DAMAGED, DETERIORATED AND OBSOLETE HARDWARE THROUGHOUT BUILDING. | 75000 |
| 07-G007 | EXTERIOR WALL BELOW GRADE APPARENTLY HAS GOOD WATERPROOFING AND NO DAMAGE FROM FUNGAL GROWTH TO | CLEAN WALLS AND RECAULK AND REPAIR MORTAR JOINTS AS NEEDED. TO REDUCE MOISTURE COMING THROUGH EXTERIOR | 85000 |
| | | TOTAL JOYNER LIBRARY | \$955,000 |
| LAKE LAUPUS | | | |
| 07-G046 | EROSION HAS PARTLY FILLED LAKE WITH SEDIMENT, THEREBY REDUCING CAPACITY FOR STORM WATER RETENTION AND SUPPLY | DREDGE LAKE TO INCREASE CAPACITY FOR STORM WATER AND IRRIGATION. REPLACE ONE AERATOR PUMP. REBUILD | 210000 |
| 07-G053 | EROSION HAS PARTLY FILLED LAKE WITH SEDIMENT, THEREBY REDUCING CAPACITY FOR STORM WATER RETENTION AND SUPPLY | DREDGE LAKE TO INCREASE CAPACITY FOR STORM WATER AND IRRIGATION. REPLACE ONE AERATOR PUMP. REBUILD | 210000 |
| | | TOTAL LAKE LAUPUS | \$420,000 |

| D_NO | Description | Recommended Correction | Cost |
|---------------------------------------|---|--|------------------|
| LIFE SCIENCES BLDG | | | |
| 07-E003 | THE EMERGENCY GENERATOR IS NO LONGER LARGE ENOUGH TO HANDLE THE LIFE SAFETY LOAD. | INSTALL A LARGER DIESEL GENERATOR TO SUPPLY EMERGENCY POWER. | 110000 |
| 07-E004 | THE EXISTING PANELS ARE OLD AND ARE REACHING THE END OF THEIR SERVICE LIFE. MANY OF THEM ARE FPE WHICH IS NO | REPLACE THE EXISTING PANELS WITH NEW, UP-TO-DATE PANELS. | 30000 |
| 07-G003 | ON NEWER SECTION, BUILT-UP ROOF LEAKS AND FLASHING IS IN POOR CONDITION DUE TO BAD CONSTRUCTION. IF REPAIR IS NOT | REPAIR OR REMOVE ALL ROOF MATERIALS TO EXPOSE STRUCTURAL DECK AND REPAIR AS REQUIRED. INSTALL NEW | 20000 |
| 07-G004 | DOI REPORT INDICATES THAT EXIT FROM MECHANICAL ROOM IS NOT ADEQUATE. SECURITY OF BUILDING IS A MAJOR CONCERN. | ADD EXIT FROM MECHANICAL ROOM. | 4000 |
| 07-G055 | MAIN ENTRANCE / SECOND FLOOR CORRIDOR ARE NOT ADA COMPLIANT. | REPLACE DOORS WITH ADA COMPLIANT UNITS. | 12000 |
| TOTAL LIFE SCIENCES BLDG | | | \$176,000 |
| MAMIE JENKINS | | | |
| 07-G075 | ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL SYSTEMS IN THIS 97 YEAR OLD BUILDING ARE NEAR/AT THE END | REMOVE ALL EXISTING INTERIOR SYSTEMS, AND REVISE INTERIOR PLANS AS REQUIRED BY FUNCTIONS AND CODES. | 785000 |
| TOTAL MAMIE JENKINS | | | \$785,000 |
| MARITIME HISTORY (ELLER HOUSE) | | | |
| 07-E025 | THE EXISTING WIRE, PANELS, AND SWITCHES ARE REACHING THE END OF THEIR SERVICE LIVES. | COMPLETELY REWIRE AND REPLACE EXISTING PANELS AND SWITCHES. | 20000 |
| 07-E026 | THIS BUILDING HAS NO FIRE ALARM SYSTEM. | INSTALL A FIRE ALARM SYSTEM IN ACCORDANCE WITH THE NC FIRE CODE AND DOI REQUIREMENTS. | 10000 |
| 07-G088 | ORIGINAL, WOOD, SINGLE GLAZED WINDOWS AND CAULKING ARE NEAR/AT END OF EXPECTED LIFE. LEAKAGE OF OUTDOOR AIR | INSTALL NEW WINDOWS WITH SOME OPERABLE SECTIONS, THERMAL BREAK FRAMES AND INSULATED GLASS WITH LOW E | 32500 |
| 07-G089 | SOME EXTERIOR AND INTERIOR DOORS AND HARDWARE ARE NEAR END OF USEFUL LIFE. | REPLACE OR REPAIR DOORS AND HARDWARE AS NEEDED. | 20000 |
| 07-G090 | PAINT (INTERIOR), AND MASONITE FASCIA AND WOOD EXTERIOR TRIM IS IN FAIR CONDITION. RESTROOMS AT FIRST AND SECOND | REPAINT INTERIOR AND REPAIR AND/OR REPLACE EXTERIOR TRIM AND FINISHES AS NEEDED. RENOVATE RESTROOMS TO | 75000 |
| 07-G091 | WATER IS PENETRATING WALL BELOW GRADE CONTRIBUTING TO DAMAGE OF INTERIOR SURFACES AND FUNGAL GROWTH. CRACKS | EXCAVATE EARTH IN AFFECTED AREAS, INSTALL NEW WATERPROOFING SYSTEM AND DRAINS AND REPLACE ALL | 45000 |
| TOTAL MARITIME HISTORY | | | \$202,500 |
| MCGINNIS | | | |
| 07-E008 | THE EXISTING TRANSFORMER IS REACHING THE END OF ITS USEFUL LIFE. | INSTALL A NEW TRANSFORMER. | 40000 |
| 07-E019 | THE EXISTING LIGHTING IS INADEQUATE AND NEEDS TO BE REPLACED. | INSTALL NEW ENERGY SAVING LIGHTS. | 50000 |
| 07-E020 | THE EXISTING FIRE ALARM DOES NOT MEET THE FIRE CODE. | INSTALL A FIRE ALARM SYSTEM IN ACCORDANCE WITH THE NC FIRE CODE AND DOI REQUIREMENTS. | 50000 |
| 07-G055 | EXTERIOR WALL APPARENTLY DOES NOT HAVE GOOD WATERPROOFING AND SOME DAMAGE TO PLASTER AND FROM | CLEAN WALLS, RECAULK AND REPOINT MORTAR JOINTS AS NEEDED. TO REDUCE MOISTURE MOVING THROUGH EXTERIOR | 125000 |
| 07-G056 | PASSENGER ELEVATOR REQUIRES CONSTANT MAINTENANCE AND SPARE PARTS ARE NOT AVAILABLE. | UPGRADE ELEVATOR AS NEEDED WITH NEW CONTROLS, DOOR OPERATING SYSTEM AND OTHER ITEMS TO COMPLY WITH ADA | 325000 |
| 07-G057 | ON AUDITORIUM AND STAGE, SINGLE-PLY (ID-5A AND 6A) IS IN POOR CONDITION AND NEAR/AT END OF EXPECTED LIFE. SOME | REMOVE ALL ROOF MATERIALS TO EXPOSE STRUCTURAL DECK AND REPAIR AS REQUIRED. INSTALL NEW FLASHING, | 62000 |
| 07-G058 | FINISHES AT CLASSROOMS AND STOREROOMS AT LOWER LEVEL ARE NEARING END OF MAINTAINABLE LIFE. SOME AREAS HAVE 9 X | RENOVATE PORTIONS OF LOWER LEVEL. REPLACE DAMAGED AND END OF LIFE FINISHES, SEATING AND CARPET AT | 525000 |

| D_NO | Description | Recommended Correction | Cost |
|----------------------------|--|---|--------------------|
| 07-G059 | ORIGINAL, STEEL, SINGLE GLAZED WINDOWS AND CAULKING ARE NEAR END OF EXPECTED LIFE, IN POOR OPERATING CONDITION | INSTALL NEW, OPERABLE WINDOWS WITH THERMAL BREAK FRAMES AND INSULATED GLASS WITH LOW E COATING. | 40000 |
| 07-M009 | AS NOTED PREVIOUSLY BY THE DEPARTMENT OF INSURANCE AND INDUSTRIAL RISK INSURERS, THE BUILDING HAS NO SPRINKLER | PROVIDE A FIRE PROTECTION SPRINKLER SYSTEM. | 310000 |
| 07-M010 | THE EXISTING CHILLERS ARE NEAR THE END OF THEIR LIFE EXPECTANCY, AND THE CHILLERS ARE UNDERSIZED. THE AIR | SCRAP THE MCGINNIS CHILLERS AND PLACE MCGINNIS AUDITORIUM ON THE CENTRAL CAMPUS CHILLED WATER LOOP. | 500000 |
| 07-M054 | FIXTURES AND PIPING ARE DETERIORATED IN THE BATHROOMS. | PROVIDE COMPLETE RENOVATIONS OF FIXTURES AND PIPING IN ALL MCGINNESS AUDITORIUM BATHROOMS. | 100000 |
| | | TOTAL MCGINNIS | \$2,127,000 |
| MCGINNIS SCENE SHOP | | | |
| 07-E062 | LIGHTING IN THE SCIENCE SHOP IS VERY LOW. IT IS PROVIDED BY 150-WATT, OLD INCANDESCENT FIXTURES. REPLACEMENT IS | RECOMMEND REPLACING EXISTING FIXTURES WITH NEW FLUORESCENT T-8 LAMP AND ELECTRONIC BALLAST TYPE | 25000 |
| 07-E063 | THE EXISTING FIRE ALARM DOES NOT MEET THE FIRE CODE. | INSTALL A FIRE ALARM SYSTEM IN ACCORDANCE WITH THE NC FIRE CODE AND DOI REQUIREMENTS. | 22000 |
| 07-G140 | SINGLE-PLY IS IN POOR CONDITION AND NEAR/AT END OF EXPECTED LIFE. SOME REPAIRS MAY BE NEEDED BEFORE | REMOVE ALL ROOF MATERIALS TO EXPOSE STRUCTURAL DECK AND REPAIR AS REQUIRED. INSTALL NEW FLASHING, | 74000 |
| 07-M037 | SPRAY PAINTING AND PAINT REMOVING OPERATIONS ARE BEING PERFORMED IN THE MCGINNIS SCENE SHOP WITHOUT A SPRAY | PROVIDE VENTILATION AND A SPRAY BOOTH AS REQUIRED IN ACCORDANCE WITH THE NORTH CAROLINA STATE BUILDING | 100000 |
| 07-M038 | THE WOOD WORKING MACHINES CREATE DUST, WHICH IS A FIRE HAZARD. | PROVIDE A DUST COLLECTION SYSTEM FOR THE WOODWORKING MACHINES. | 50000 |
| | | TOTAL MCGINNIS SCENE SHOP | \$271,000 |
| MEDICAL PAVILION #6 | | | |
| 07-E019 | THE EXISTING FIRE ALARM DOES NOT MEET THE FIRE CODE. | INSTALL A FIRE ALARM SYSTEM IN ACCORDANCE WITH THE NC FIRE CODE AND DOI REQUIREMENTS. | 50000 |
| 07-E021 | THE EXIT LIGHTING IN THIS BUILDING DOES NOT MEET CODE AND DOI STANDARDS. | INSTALL EXIT LIGHTING IN THIS BUILDING. ENSURE THAT THE NEW EXIT LIGHTS ARE LED AND THAT ALL LIGHTING CODE | 5000 |
| 07-G046 | BUILDING IS CURRENTLY NOT OCCUPIED. INTERIOR FINISHES ARE WORN AND DETERIORATED. THERE IS VERY SIGNIFICANT | RENOVATE INTERIOR PARTITIONS, CEILINGS, DOORS, BATHROOMS, HARDWARE, LIGHTING, HVAC, FIXTURES. | 715000 |
| | | TOTAL MEDICAL PAVILION #6 | \$770,000 |
| MESSICK | | | |
| 07-G060 | BUILT-UP ROOF (SECTION ID-2D, 3B, 3C) IS IN POOR CONDITION AND NEAR/AT END OF EXPECTED LIFE. SOME REPAIRS MAY BE | REMOVE ALL ROOF MATERIALS TO EXPOSE STRUCTURAL DECK AND REPAIR AS REQUIRED. INSTALL NEW FLASHING, | 26000 |
| 07-G061 | EXTERIOR SOFFIT AND DECORATIVE RAFTER TAILS ARE IN FAIR TO GOOD CONDITION. CONTINUOUS EXPOSURE TO ELEMENTS LEADS | REPAIR AND REPLACE DAMAGED AND DETERIORATED WOOD TRIM, SOFFIT AND DECORATIVE RAFTER TAILS. PREPARE TRIM | 55000 |
| 07-G062 | FELT LAYER UNDER CLAY TILE ROOF IS PROBABLY NEAR END OF LIFE. GUTTER IS APPARENTLY IS IN GOOD CONDITION. QUALITY | REMOVE CLAY TILE, REPAIR DECK AND STRUCTURE AS REQUIRED AND REPLACE FELT AND TILE. REPAIR CORNICE AS | 165000 |
| 07-G063 | ALTHOUGH SOME INTERIOR REFURBISHING HAS BEEN DONE, MOST ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL | REMOVE ALL EXISTING INTERIOR SYSTEMS, AND REVISE INTERIOR PLANS AS REQUIRED BY FUNCTIONS AND CODES. | 6200000 |
| 07-G064 | ON MAIN BUILDING, SINGLE-PLY ROOFS (SECTION ID-1A, 1D, 1E, 1F, 1G AND 2C) ARE IN POOR CONDITION AND NEAR/AT END OF | REMOVE ALL ROOF MATERIALS TO EXPOSE STRUCTURAL DECK AND REPAIR AS REQUIRED. INSTALL NEW FLASHING, | 70000 |
| 07-G065 | ASPHALT SHINGLE ROOF (SECTION ID# 1B AND 1C) APPEARS TO BE IN POOR CONDITION. | REMOVE ALL ROOF MATERIALS (ASPHALT SHINGLES) TO EXPOSE STRUCTURAL DECK, AND REPAIR AS REQUIRED. INSTALL NEW | 12000 |
| | | TOTAL MESSICK | \$6,528,000 |
| MINGES | | | |

| D_NO | Description | Recommended Correction | Cost |
|---------------------------------|---|---|---------------------|
| 07-G068 | THE MAJORITY OF SINGLE PLY ROOFS ARE IN FAIR TO POOR CONDITION AND NEARING END OF EXPECTED LIFE. SOME REPAIRS | REMOVE ALL ROOF MATERIALS TO EXPOSE STRUCTURAL DECK AND REPAIR AS REQUIRED. INSTALL NEW FLASHING, | 762000 |
| 07-G069 | ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL SYSTEMS IN THIS 40 YEAR OLD, ATHLETIC BUILDING AND POOL ARE | REMOVE ALL EXISTING INTERIOR SYSTEMS, AND REVISE INTERIOR PLANS AS REQUIRED BY FUNCTIONS AND CODES. | 21000000 |
| | | TOTAL MINGES | \$21,762,000 |
| MRI BUILDING | | | |
| 07-G031 | SINGLE-PLY ROOF IS IN POOR CONDITION AND NEAR END OF EXPECTED LIFE. REPAIR OF SEAMS MAY BE NEEDED BEFORE | REMOVE ALL ROOF MATERIALS TO EXPOSE STRUCTURAL DECK AND REPAIR AS REQUIRED. INSTALL NEW FLASHING, | 56000 |
| 07-M007 | CHILLED WATER FOR THE HVAC SYSTEM AND FOR COOLING MEDICAL EQUIPMENT IN THIS BUILDING IS PROVIDED BY THE | PROVIDE A SEPARATE CHILLER TO PRODUCE PRIMARY CHILLED WATER FOR THIS BUILDING. PROVIDE CHILLED WATER BACKUP | 200000 |
| 07-M008 | THE INSTALLATION OF AN AUTOMATED ENERGY MANAGEMENT SYSTEM IN THE MRI BUILDING (ASSET NO. 11-0) ON THE WEST | INSTALL AN AUTOMATED ENERGY MANAGEMENT SYSTEM TO REPLACE THE CURRENT PNEUMATIC CONTROL SYSTEM. | 200000 |
| 07-M029 | HVAC INSULATION IS OLD AND DAMAGED IN MANY AREAS OF THE HSC CAMPUS, INCLUDING THE MRI BUILDING MECHANICAL ROOM. | REPAIR HVAC INSULATION THROUGHOUT THE HSC CAMPUS. | 40000 |
| | | TOTAL MRI BUILDING | \$496,000 |
| PHYSICIANS QUAD. BLDG. M | | | |
| 07-E013 | THE EXISTING FIRE ALARM IS ALSO WIRED IN WITH THE BURGLAR ALARM SYSTEM. THERE ARE ONLY SMOKE DETECTORS WITH NO | IT IS RECOMMENDED TO INSTALL A NEW FIRE ALARM SYSTEM THAT REPORTS TO A MANNED 24 HOUR STATION. | 7000 |
| 07-G029 | DOOR HARDWARE IS NOT ADA COMPLIANT | INSTALL HEAVY DUTY LEVER ACTION ADA COMPLIANT HARDWARE | 8000 |
| 07-G030 | TOILETS AND OTHER ITEMS DO NOT COMPLY WITH ADA GUIDELINES. | ADA STUDY IS RECOMMENDED TO DETERMINE SCOPE OF WORK AND REFINE COST ESTIMATE. | 10000 |
| | | TOTAL PHYSICIANS QUAD. | \$25,000 |
| PHYSICIANS QUAD. BLDG. N | | | |
| 07-E007 | THIS FACILITY DOES NOT HAVE A FIRE ALARM SYSTEM, NOR IS IT SPRINKLED. | RECOMMEND INSTALLING A BUILDING WIDE FIRE ALARM SYSTEM THAT REPORTS TO A 24 HOUR MANNED STATION. | 7300 |
| 07-G021 | CARPET IN HALLWAYS REPLACED 2 YO. ALL OTHER CARPET IS VERY WORN, STAINED, DISCOLORED. | REPLACE CARPET OR CONSIDER TILE OR LINOLEUM. RECYCLE CARPET MATERIAL. | 18000 |
| 07-G022 | TOILETS AND OTHER AREAS MAY NOT COMPLY WITH ADA STANDARD. | ADA STUDY IS RECOMMENDED TO DETERMINE SCOPE OF WORK AND REFINE COST ESTIMATE. | 10000 |
| 07-G023 | FLAT ROOF AND SHINGLE ROOF ARE BOTH AT END OF LIFE | REMOVE ALL ROOF MATERIALS TO EXPOSE STRUCTURAL DECK AND REPAIR AS REQUIRED. INSTALL NEW FLASHING, | 37000 |
| | | TOTAL PHYSICIANS QUAD. | \$72,300 |
| RAGSDALE | | | |
| 07-E055 | THE EXISTING TRANSFORMER IS REACHING THE END OF ITS USEFUL LIFE. | INSTALL A NEW TRANSFORMER. | 25000 |
| 07-G128 | ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL SYSTEMS IN THIS 84 YEAR OLD BUILDING ARE NEAR/AT THE END | REMOVE ALL EXISTING INTERIOR SYSTEMS, AND REVISE INTERIOR PLANS AS REQUIRED BY FUNCTIONS AND CODES. | 21000000 |
| 07-G129 | FELT LAYER UNDER CLAY TILE ROOF IS LIKELY NEAR/AT END OF LIFE. GUTTER IS IN QUESTIONABLE CONDITION. QUALITY OF CLAY | REMOVE CLAY TILE, REPAIR DECK AND STRUCTURE AS REQUIRED AND REPLACE FELT, TILE AND GUTTER. REPAIR | 242000 |
| 07-G130 | WATER IS PENETRATING WALL BELOW GRADE AND CONTRIBUTING TO DAMAGE OF INTERIOR SURFACES AND FUNGAL GROWTH. | EXCAVATE EARTH IN AFFECTED AREAS, INSTALL NEW WATERPROOFING SYSTEM AND DRAINS AND REPLACE ALL | 135000 |
| | | TOTAL RAGSDALE | \$21,402,000 |

RAWL

| D_NO | Description | Recommended Correction | Cost |
|--|---|---|---------------------|
| 07-G018 | ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL SYSTEMS IN THIS 48 YEAR OLD, CLASSROOM BUILDING ARE | REMOVE ALL EXISTING INTERIOR SYSTEMS, AND REVISE INTERIOR PLANS AS REQUIRED BY FUNCTIONS AND CODES. | 12750000 |
| | | TOTAL RAWL | \$12,750,000 |
| RIVERS | | | |
| 07-G033 | ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL SYSTEMS IN THIS 39 YEAR OLD, EDUCATIONAL BUILDING ARE AT | REMOVE ALL EXISTING INTERIOR SYSTEMS, AND REVISE INTERIOR PLANS AS REQUIRED BY FUNCTIONS AND CODES. | 8150000 |
| | | TOTAL RIVERS | \$8,150,000 |
| ROADS | | | |
| 07-G201 | ASPHALT WEARING COURSE HAS WEATHERED SURFACE, EXPOSED AGGREGATE AND A MODERATE AMOUNT OF ALLIGATOR CRACKING. | REMOVE PART OF ASPHALT WEARING SURFACE WHERE AND AS REQUIRED TO ACHIEVE A SOLID BASE COURSE. PAVE NEW | 80000 |
| | | TOTAL ROADS | \$80,000 |
| SCIENCE & TECHNOLOGY | | | |
| 07-M057 | THE SCIENCE & TECHNOLOGY BUILDING IS A GOOD CANDIDATE FOR AN ENERGY PERFORMANCE CONTRACT. | ENTER INTO AN ENERGY PERFORMANCE CONTRACT FOR THIS LARGE NEW FACILITY, WITH AN EXTENSIVE HVAC LOAD. THE | 400000 |
| | | TOTAL SCIENCE & | \$400,000 |
| SOM ADI (ALUMNI DEV & INFO) | | | |
| 07-G038 | WOOD, DOUBLE GLAZED WINDOWS ARE NEAR END OF EXPECTED LIFE, IN POOR CONDITION DUE TO LACK OF MAINTENANCE. SOME | INSTALL NEW WINDOWS WITH SOME OPERABLE SECTIONS, THERMAL BREAK FRAMES AND INSULATED GLASS WITH LOW E | 46000 |
| 07-G039 | PLYWOOD FASCIA AND SOFFIT NEEDS PAINTING. BRICK PAVER PATIO IN REAR IS UNEVEN. | REPAINT EXTERIOR WOOD TRIM. REPAIR BRICK PAVER PATIO. | 24000 |
| 07-G040 | DOOR HARDWARE IS NOT ADA COMPLIANT | INSTALL HEAVY DUTY LEVER ACTION ADA COMPLIANT HARDWARE | 8000 |
| 07-G041 | SINGLE PLY ROOF ON 2 FLAT SECTIONS IS NEAR END OF LIFE. | REMOVE ALL ROOF MATERIAL TO EXPOSE STRUCTURAL DECK. REPAIR DECK AND DRAINS AS NEEDED. INSTALL NEW | 27000 |
| | | TOTAL SOM ADI (ALUMNI DEV | \$105,000 |
| SOM EMERGENCY DRIVE | | | |
| 07-G051 | ASPHALT PAVING HAS A WEATHERED SURFACE, SOME EXPOSED AGGREGATE AND LARGE CRACKS. CONDITION OF SURFACE | REMOVE EXISTING SURFACE AND RECYCLE IN REBUILDING ROAD BASE. TO ACHIEVE A SOUND BASE, SHOULDERS AND | 188000 |
| | | TOTAL SOM EMERGENCY | \$188,000 |
| SOM STEAM PLANT | | | |
| 07-E001 | THE EXISTING SWITCHGEAR IS REACHING THE END OF ITS USEFUL LIFE. | REPLACE THE EXISTING SWITCHGEAR | 200000 |
| 07-E002 | THE EXISTING FIRE ALARMS ON CAMPUS DO NOT REPORT TO A CENTRAL LOCATION FOR MONITORING. | INSTALL A NEW FIRE ALARM PANEL AND ASSOCIATED WIRING TO ALLOW MONITORING OF ALL FIRE ALARM SYSTEMS ON THE | 125000 |
| 07-G001 | CONCRETE FLOOR IS DETERIORATED DUE TO HEAVY WEAR, ABRASION, AND SPILLS. | INSTALL A HEAVY DUTY, ABRASION AND CHEMICAL RESISTANT FLOORING SUCH AS STONEHARD OVER EXISTING CONCRETE | 90000 |
| 07-G002 | SOME EXTERIOR DOOR HARDWARE IS WORN AND DIFFICULT TO OPERATE AND MAINTAIN | REPLACE DOOR HARDWARE AS NEEDED | 4000 |
| 07-M001 | TWO OF THE EXISTING CHILLERS, CHILLER #1 AND CHILLER #2, ARE APPROXIMATELY 21 YEARS OLD AND USE R-11 REFRIGERANT. THE | REPLACE CHILLER #1 AND CHILLER #2 WITH NEW ENERGY EFFICIENT CHILLERS WHICH USE NON-CFC R-123 REFRIGERANT. | 1200000 |
| 07-M002 | CHILLER #4 IS APPROXIMATELY TEN YEARS OLD, IS IN GOOD CONDITION, BUT USES A CFC REFRIGERANT WHICH IS NO LONGER | IF POSSIBLE, CONVERT CHILLER #4 TO USE A NON-CFC REFRIGERANT. | 75000 |

| D_NO | Description | Recommended Correction | Cost |
|--------------------|---|--|--------------------|
| 07-M003 | SOME OF THE EQUIPMENT IN THE BOILER ROOM HAS DETERIORATED AND NEEDS TO BE UPGRADED. FOR EXAMPLE, | UPGRADE THE DEFICIENT EQUIPMENT IN THE HEATING PLANT. REPAIRS SHOULD INCLUDE RETUBING OF BOILER #2, | 200000 |
| 07-M009 | THE CURRENT CHILLED WATER PUMPS DO NOT MOVE SUFFICIENT CHILLED WATER TO BRODY BUILDING. IMPELLERS MAY BE WORN. | UPGRADE BOTH CHILLED WATER PUMPS. | 100000 |
| | | TOTAL SOM STEAM PLANT | \$1,994,000 |
| SPEIGHT | | | |
| 07-E012 | THE EXISTING TRANSFORMER IS REACHING THE END OF ITS USEFUL LIFE. | INSTALL A NEW TRANSFORMER. | 40000 |
| 07-G034 | EXTERIOR STEPS, RAMPS, HANDRAILS, SIDEWALKS AND RETAINING WALLS ARE SHOWING SIGNS OF HEAVY USE AND DETERIORATION. | REPAIR OR REPLACE DAMAGED OR DETERIORATED EXTERIOR STEPS, RAMPS, SIDEWALKS, RETAINING WALLS AND HANDRAILS. | 55000 |
| 07-G035 | CAULK AT WINDOWS AND CONCRETE PANELS, AND SOME MORTAR JOINTS ARE DETERIORATED. BRICK AND CONCRETE WALLS ARE | CLEAN WALLS AND RECAULK JOINTS AND WINDOWS, REPOINT MORTAR JOINTS AS NEEDED. REPAIR CRACKS DUE TO | 125000 |
| 07-G036 | ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL SYSTEMS IN THIS 42 YEAR OLD, CLASSROOM BUILDING ARE NEAR | REMOVE ALL EXISTING INTERIOR SYSTEMS, AND REVISE INTERIOR PLANS AS REQUIRED BY FUNCTIONS AND CODES. | 8850000 |
| | | TOTAL SPEIGHT | \$9,070,000 |
| SPILMAN | | | |
| 07-G039 | ADA ACCESS TO SECOND FLOOR IS NOT POSSIBLE BECAUSE BUILDING HAS NO ELEVATOR. | CONSTRUCT NEW ELEVATOR IN NEW EXTERIOR SHAFT. | 850000 |
| 07-G040 | EXTERIOR WALL APPARENTLY DOES NOT HAVE GOOD WATERPROOFING, ALTHOUGH NO DAMAGE FROM FUNGAL GROWTH | CLEAN WALLS, RECAULK AND REPOINT MORTAR JOINTS AS NEEDED. TO REDUCE MOISTURE MOVING THROUGH EXTERIOR | 55000 |
| 07-G041 | ON UPPER SECTION, PAINTED METAL ROOF IS AT/NEAR END OF EXPECTED LIFE. SOME REPAIRS MAY BE NEEDED TO STOP LEAKS. | REMOVE ALL ROOF MATERIALS TO EXPOSE STRUCTURAL DECK AND REPAIR AS REQUIRED. INSTALL NEW FLASHING, | 65000 |
| 07-G042 | FELT LAYER UNDER CLAY TILE ROOF IS LIKELY AT/NEAR END OF LIFE. GUTTERS ARE IN QUESTIONABLE CONDITION AND QUALITY | REMOVE CLAY TILE, REPAIR DECK AND STRUCTURE AS REQUIRED, AND REPLACE FELT AND TILE. REPAIR CORNICE AS | 50000 |
| 07-G043 | ALTHOUGH INTERIOR TRIM AND FINISHES ARE IN VERY GOOD CONDITION, MOST ARCHITECTURAL, MECHANICAL, PLUMBING AND | REMOVE ALL EXISTING INTERIOR SYSTEMS, AND REVISE INTERIOR PLANS AS REQUIRED BY FUNCTIONS AND CODES. | 3000000 |
| | | TOTAL SPILMAN | \$4,020,000 |
| STEAM PLANT | | | |
| 07-E027 | THE EXISTING TRANSFORMER IS REACHING THE END OF ITS USEFUL LIFE. | INSTALL A NEW TRANSFORMER. | 40000 |
| 07-E028 | THIS BUILDING HAS NO FIRE ALARM SYSTEM. A FIRE ALARM SYSTEM IS NEEDED TO PROTECT PERSONNEL AND STATE-OWNED | RECOMMEND INSTALLING FIRE ALARM SYSTEM IN ACCORDANCE WITH DEPARTMENT OF INSURANCE REQUIREMENTS. | 30000 |
| 07-G092 | SPILL CONTAINMENT AREAS AT STORAGE TANKS AND FUELING STATION DOES NOT APPEAR TO BE ADEQUATE. COMPRESSOR | PROVIDE ADEQUATE FUEL CONTAINMENT AT STORAGE TANKS AND FUELING STATION. DEMOLISH AND CONSTRUCT NEW | 235000 |
| 07-G093 | CONCRETE FLOOR SLAB AND STEEL BEAMS AROUND THE DEALKALIZERS AND BASEMENT AREA HAS SERIOUS | REPAIRS AS RECOMMENDED IN CONSULTING ENGINEERS STUDY SHOULD BE COMPLETED IMMEDIATELY. FLOOR SURFACE | 55000 |
| 07-G094 | RESTROOMS ARE AT END OF USEFUL LIFE. FINISHES AND FIXTURES ARE IN POOR CONDITION DUE TO AGE AND HEAVY USE. | RENOVATE RESTROOMS AS REQUIRED. | 45000 |
| 07-G095 | ON MAIN UPPER ROOF, SINGLE-PLY ROOF IS IN POOR CONDITION AND NEAR END OF EXPECTED LIFE. | REMOVE ALL ROOF MATERIALS TO EXPOSE STRUCTURAL DECK AND REPAIR AS REQUIRED. INSTALL NEW FLASHING, | 95000 |
| 07-G096 | EXTERIOR OVERHEAD AND PERSONNEL DOORS AND HARDWARE ARE NEARING END OF USEFUL LIFE. | REPLACE OR REPAIR DOORS AND HARDWARE AS NEEDED. | 35000 |
| 07-M067 | THE FUEL OIL TANKS AND ASSOCIATED TRANSFER PIPING AT THE STEAM PLANT ARE AGING AND NEED UPGRADE. | REPLACE CORRODED PIPING AND TANKS. VERIFY THAT ADEQUATE PROTECTION IS PROVIDED AGAINST GROUND | 400000 |
| | | TOTAL STEAM PLANT | \$935,000 |

| D_NO | Description | Recommended Correction | Cost |
|---------------------------------------|--|---|--------------------|
| TAYLOR/SLAUGHTER ALUMNI CENTER | | | |
| 07-E056 | THIS BUILDING HAS NO FIRE ALARM SYSTEM. | RECOMMEND INSTALLING A FIRE ALARM SYSTEM IN ACCORDANCE WITH NC DEPARTMENT OF INSURANCE | 13000 |
| 07-E058 | PRESENTLY THERE ARE SEVERAL TWO-WIRE RECEPTACLES STILL IN USE IN THIS BUILDING. MUCH OF THE WIRING IS ORIGINAL AND | RECOMMEND REPLACING ALL ORIGINAL WIRING AND DEVICES. | 7500 |
| 07-G131 | PAINT IS NEARING END OF EXPECTED LIFE. | REPAINT INTERIOR AND EXTERIOR FINISHES AS NEEDED. | 35000 |
| 07-G132 | ASPHALT SHINGLE ROOF IS IN FAIR CONDITION AND BUT WILL SOON BE NEAR/AT END OF EXPECTED LIFE. METAL ROOF (WITH | REMOVE ALL ROOF MATERIALS TO EXPOSE STRUCTURAL DECK AND REPAIR AS REQUIRED. INSTALL NEW ASPHALT SHINGLES. | 20000 |
| 07-G133 | ORIGINAL, WOOD FRAMED, SINGLE GLAZED WINDOWS ARE NEAR END OF EXPECTED LIFE, IN POOR OPERATING CONDITION AND DUE | INSTALL NEW, OPERABLE WINDOWS WITH THERMAL BREAK FRAMES AND INSULATED GLASS WITH LOW E COATING. | 48000 |
| TOTAL TAYLOR/SLAUGHTER | | | \$123,500 |
| WALKWAY AT MEDICAL PAVILLION | | | |
| 07-G052 | CONCRETE WALKWAY SURFACES ARE CRACKED, UNEVEN AND A TRIP HAZARD. | REMOVE ALL DAMAGED CONCRETE AND REPLACE WITH CONCRETE PAVERS. | 35000 |
| TOTAL WALKWAY AT MEDICAL | | | \$35,000 |
| WALKWAYS | | | |
| 07-G202 | SOME CONCRETE AND BRICK PAVER WALKS HAVE BROKEN AND UNEVEN AREAS. SOME WALKS NEED IMMEDIATE REPAIR. OTHER | REPAIR APPROPRIATELY FOR CONDITION OF WALK OR DEMOLISH EXISTING WALKWAY AND CONSTRUCT NEW. | 137000 |
| TOTAL WALKWAYS | | | \$137,000 |
| WARD SPORTS MEDICINE | | | |
| 07-E067 | THE EXISTING FIRE ALARM DOES NOT MEET THE FIRE CODE. | INSTALL A FIRE ALARM SYSTEM IN ACCORDANCE WITH THE NC FIRE CODE AND DOI REQUIREMENTS. | 120000 |
| 07-E068 | THE EXISTING TRANSFORMER IS REACHING THE END OF ITS USEFUL LIFE. | INSTALL A NEW TRANSFORMER. | 40000 |
| 07-G148 | SOME EXTERIOR DOORS AND HARDWARE ARE NEAR/AT END OF USEFUL LIFE. IN ADDITION, SOME INTERIOR DOORS AND | REPLACE OR REPAIR DOORS AND HARDWARE AS NEEDED. | 125000 |
| 07-G149 | INTERIOR FINISHES, CARPET, FLOORING, SLIDING PARTITIONS, LOCKERS, RESTROOM PARTITIONS AND SURFACES ARE NEAR/AT | REFURBISH, REPAINT AND REPLACE INTERIOR FINISHES, CARPET AND FLOORING. REPLACE DAMAGED, DETERIORATED | 500000 |
| 07-G150 | SOME CAULK JOINTS AT DECORATIVE MASONRY ARE DETERIORATED. | CLEAN JOINTS AND RECAULK JOINTS AS NEEDED. TO REDUCE MOISTURE COMING THROUGH EXTERIOR WALL, CONSIDER | 55000 |
| 07-G151 | SINGLE-PLY ROOF IS IN FAIR TO POOR CONDITION AND NEAR END OF EXPECTED LIFE. SOME REPAIRS MAY BE NEEDED BEFORE | REMOVE ALL ROOF MATERIALS TO EXPOSE STRUCTURAL DECK AND REPAIR AS REQUIRED. INSTALL NEW FLASHING, | 365000 |
| 07-M059 | ONLY ONE OF THE TWO RETURN FANS IN ROOM 334 IS ABLE TO OPERATE AT ANY GIVEN TIME. BOTH FANS MUST OPERATE FOR | DIAGNOSE AND CORRECT THE PROBLEM PREVENTING SIMULTANEOUS OPERATION OF BOTH RETURN AIR FANS. | 200000 |
| TOTAL WARD SPORTS | | | \$1,405,000 |
| WAREHOUSE | | | |
| 07-E011 | THE EXISTING FIRE ALARM DOES NOT MEET THE FIRE CODE. | INSTALL A FIRE ALARM SYSTEM IN ACCORDANCE WITH THE NC FIRE CODE AND DOI REQUIREMENTS. | 50000 |
| 07-G073 | SINGLE-PLY ROOF IS NEAR/AT END OF EXPECTED LIFE. SOME REPAIRS MAY BE NEEDED IMMEDIATELY TO STOP LEAKS. | REMOVE ALL ROOF MATERIALS TO EXPOSE STRUCTURAL DECK AND REPAIR AS REQUIRED. INSTALL NEW FLASHING, | 186000 |
| 07-G074 | EXTERIOR BRICK VENEER HAS NUMEROUS STRESS FRACTURES, SETTLEMENT AND STAIR-STEP CRACKS (ESPECIALLY AT SOUTH- | COSMETICALLY REPAIR EXTERIOR BRICK VENEER AT SOUTH-SIDE OF BUILDING. | 25000 |
| TOTAL WAREHOUSE | | | \$261,000 |

| D_NO | Description | Recommended Correction | Cost |
|---|---|---|--------------------|
| WEST RESEARCH CAMPUS ACADEMIC BLDG. | | | |
| 07-E001 | THE EXISTING PANELS ARE REACHING THE END OF USEFUL LIFE. | INSTALL NEW PANELS. | 9000 |
| 07-E002 | THE EXISTING FIRE ALARM DOES NOT MEET THE FIRE CODE. | INSTALL A FIRE ALARM SYSTEM IN ACCORDANCE WITH THE NC FIRE CODE AND DOI REQUIREMENTS. | 50000 |
| 07-G001 | ORIGINAL SINGLE PANE FLOOR TO CEILING WINDOWS ARE ENERGY INEFFICIENT AND CONTRIBUTE TO HIGH ENERGY COSTS | REPLACE WINDOWS WITH DOUBLE PANE LOW MAINTENANCE THERMAL BREAK UNITS. | 95000 |
| 07-G002 | SINGLE PLY ROOF IS IN POOR CONDITION AND IS BEYOND END OF EXPECTED LIFE | REMOVE ALL ROOF MATERIAL TO EXPOSE STRUCTURAL DECK. REPAIR DECK AND DRAINS AS NEEDED. INSTALL NEW | 180000 |
| 07-G003 | CARPET IS WORN AND UNRAVELLING. | REPLACE CARPET WITH HEAVY DUTY CARPET. | 16000 |
| 07-G004 | BUILDING DOES NOT HAVE ADEQUATE EMERGENCY EXIT SIGNAGE. | INSTALL LIGHTED EXIT SIGNS AS NEEDED. | 5000 |
| 07-M001 | THE CHILLERS ARE VERY OLD AND USE REFRIGERANT (R-22) THAT IS BECOMING OBSOLETE. THE EXISTING SYSTEM INCORPORATES | INSTALL TWO NEW CHILLERS. | 150000 |
| 07-M002 | THE BUILDING DOES NOT HAVE A SPRINKLER SYSTEM, AS RECOMMENDED BY DOI. | INSTALL SPRINKLER SYSTEM. | 150000 |
| 07-M003 | THE COPPER WATER LINES HAVE JOINTS SOLDERED WITH A SOLDER CONTAINING LEAD, WHICH IS NOT ALLOWED TODAY. | REPLACE ALL WATER PIPING WITH A SOLDER JOINT NOT CONTAINING LEAD. | 50000 |
| TOTAL WEST RESEARCH | | | \$705,000 |
| WEST RESEARCH CAMPUS COASTAL STUDIES | | | |
| 07-G005 | GALVANIZED COATING ON WALLS HAS DETERIORATED AND METAL IS RUSTING. METAL WALL HAVE ALSO BEEN DAMAGED BY VEHICLE | REPAIR AND COAT METAL SIDING. | 12000 |
| TOTAL WEST RESEARCH | | | \$12,000 |
| WEST RESEARCH CAMPUS ROADWAYS | | | |
| 07-G007 | ASPHALT PARKING AND ROADWAYS HAVE CRACKS AND POTHOLES. SEVERITY IS DEPENDENT UPON TRAFFIC AND USE. | REPAIR POTHOLES AND CRACKS. INSTALL SEALANT COAT. | 35000 |
| TOTAL WEST RESEARCH | | | \$35,000 |
| WEST RESEARCH CAMPUS STORAGE BLDG | | | |
| 07-G006 | GALVANIZED COATING ON WALLS AND ROOF HAS DETERIORATED AND METAL IS RUSTING. METAL WALL HAVE ALSO BEEN DAMAGED | REPAIR AND COAT METAL SIDING AND ROOF. | 18000 |
| TOTAL WEST RESEARCH | | | \$18,000 |
| WHICHARD | | | |
| 07-E013 | THE EXISTING TRANSFORMER IS REACHING THE END OF ITS USEFUL LIFE. | INSTALL A NEW TRANSFORMER. | 30000 |
| 07-G044 | ON ANNEX, SINGLE-PLY ROOF IS IN POOR CONDITION AND NEAR END OF EXPECTED LIFE. SOME REPAIRS MAY BE NEEDED | REMOVE ALL ROOF MATERIALS TO EXPOSE STRUCTURAL DECK AND REPAIR AS REQUIRED. INSTALL NEW FLASHING, | 140000 |
| 07-G045 | EXTERIOR WALLS APPARENTLY DO NOT HAVE GOOD WATERPROOFING. SOME MORTAR AND CAULK JOINTS ARE | CLEAN WALLS (ABOVE GRADE), RECAULK AND REPOINT MORTAR JOINTS AS NEEDED. TO REDUCE MOISTURE MOVING THROUGH | 225000 |
| 07-G046 | FELT LAYER UNDER CLAY TILE ROOF IS LIKELY AT/NEAR END OF LIFE. QUALITY OF CLAY TILE IS NOT DETERMINED AND LEAKS MAY | REMOVE CLAY TILE, REPAIR DECK AND STRUCTURE AS REQUIRED, AND REPLACE FELT AND TILE. COST ESTIMATE | 70000 |
| 07-G047 | ALTHOUGH SOME INTERIOR TRIM AND FINISHES ARE IN VERY GOOD CONDITION, MOST ARCHITECTURAL, MECHANICAL, | REMOVE ALL EXISTING INTERIOR SYSTEMS, AND REVISE INTERIOR PLANS AS REQUIRED BY FUNCTIONS AND CODES. | 4350000 |
| TOTAL WHICHARD | | | \$4,815,000 |

| D_NO | Description | Recommended Correction | Cost |
|---|---|---|--------------------|
| WILLIS BLDG | | | |
| 07-G085 | ORIGINAL, ALUMINUM, SINGLE GLAZED WINDOWS ARE NEAR END OF EXPECTED LIFE, IN POOR OPERATING CONDITION AND DUE TO | INSTALL NEW, OPERABLE WINDOWS WITH THERMAL BREAK FRAMES AND INSULATED GLASS WITH LOW E COATING. | 217000 |
| 07-G086 | INTERIOR AND EXTERIOR FINISHES ARE NEARING END OF EXPECTED LIFE. IN ADDITION, SUSPENDED CEILING THROUGH-OUT | REPAINT INTERIOR AND EXTERIOR FINISHES AS NEEDED. REPLACE DAMAGED AND DETERIORATED SUSPENDED CEILING. | 65000 |
| 07-G087 | SOME INTERIOR DOOR HARDWARE REQUIRES EXTENSIVE MAINTENANCE, IS NOT ADA COMPLIANT, AND IS NEAR END OF | REPLACE OR REPAIR DAMAGED, DETERIORATED AND NON-ADA COMPLIANT DOORS AND HARDWARE AS NEEDED. | 85000 |
| 07-M011 | THE AIR HANDLING UNITS HAVE DETERIORATED WITH AGE. THE UNITS HAVE BECOME CORRODED, PARTICULARLY AT THE PIPE | HVAC RETROFIT AND RECOMMISSIONING IS REQUIRED. REPLACE THE SINGLE AIR HANDLING UNIT AND ADD VAV BOXES | 250000 |
| | | TOTAL WILLIS BLDG | \$617,000 |
| WP & JP ENTERPRISES BUILDING | | | |
| 07-G191 | THIS BUILDING HAS MULTIPLE MAJOR DEFICIENCIES IN EXISTING SYSTEMS, AND RENOVATION IS NOT PRACTICAL IN COMPARISON | DEMOLITION FOR FUTURE REPLACEMENT OF THIS BUILDING IS RECOMMENDED. THE COST ESTIMATE IS FOR DEMOLITION | 185000 |
| | | TOTAL WP & JP | \$185,000 |
| WRIGHT (ANNEX) | | | |
| 07-E015 | THE EXISTING SWITCH IS REACHING THE END OF ITS USEFUL LIFE. IN THE NEAR FUTURE, IT WILL BECOME INOPERABLE OR UNSAFE | INSTALL A NEW PAD MOUNTED SWITCH. | 60000 |
| 07-E016 | THE EXISTING EMERGENCY POWER SOURCE NEEDS TO BE REPLACED. | INSTALL A DIESEL GENERATOR TO SUPPLY EMERGENCY POWER. | 38000 |
| 07-G048 | FINISH (PAINT) IS NEAR END OF EXPECTED LIFE, ON OPEN STRUCTURE, OVER OUTDOOR TERRACE. | REPAINT STEEL STRUCTURE FINISHES AS NEEDED. | 15000 |
| 07-G049 | BUILT UP ROOF (SECTIONS H AND I, BACK SECTIONS) APPEARS TO BE IN POOR CONDITION AND NEAR END OF EXPECTED LIFE. SOME | REMOVE ALL ROOF MATERIALS TO EXPOSE STRUCTURAL DECK AND REPAIR AS REQUIRED. INSTALL NEW FLASHING, | 60000 |
| 07-G050 | SOME INTERIOR FINISHES (FLOOR TILE AND CEILINGS), AND EXTERIOR FINISHES ARE SHOWING SIGNS OF DETERIORATION. | REPLACE DAMAGED AND DETERIORATED FLOOR AND CEILING TILE. REPAINT INTERIOR AND EXTERIOR FINISHES AS | 125000 |
| 07-G051 | ORIGINAL, METAL, SINGLE GLAZED WINDOWS AND CAULKING ARE NEAR END OF EXPECTED LIFE, IN POOR OPERATING CONDITION | INSTALL NEW WINDOWS WITH SOME OPERABLE SECTIONS, THERMAL BREAK FRAMES AND INSULATED GLASS WITH LOW E | 62000 |
| 07-M006 | AS NOTED PREVIOUSLY BY THE DEPARTMENT OF INSURANCE AND INDUSTRIAL RISK INSURERS, THE BUILDING HAS NO SPRINKLER | PROVIDE A FIRE PROTECTION SPRINKLER SYSTEM. | 375000 |
| 07-M007 | THE THIRD FLOOR R.O.T.C. AREA HVAC SYSTEM IS IN POOR CONDITION. ALTHOUGH A NEW THIRD FLOOR AIR HANDLING UNIT | PROVIDE A NEW HVAC SYSTEM FOR THE THIRD FLOOR, R.O.T.C. AREA TO REPLACE THE EXISTING DETERIORATED SYSTEM. | 300000 |
| | | TOTAL WRIGHT (ANNEX) | \$1,035,000 |
| WRIGHT AUDITORIUM | | | |
| 07-E017 | THE EXISTING PANEL IS OLD AND REACHING THE END OF IT'S SERVICE LIFE. | RECOMMEND REPLACING THE OBSOLETE PANEL, WITH A PANEL THAT MEETS NEC REQUIREMENTS. | 5000 |
| 07-E018 | THE EXISTING FIRE ALARM DOES NOT MEET THE FIRE CODE. | INSTALL A FIRE ALARM SYSTEM IN ACCORDANCE WITH THE NC FIRE CODE AND DOI REQUIREMENTS. | 80000 |
| 07-G052 | ELEVATOR REQUIRES MAJOR UPGRADE. | UPGRADE ELEVATOR AS NEEDED WITH NEW CONTROLS, DOOR OPERATING SYSTEM AND OTHER ITEMS TO COMPLY WITH ADA | 200000 |
| 07-G053 | SINGLE PLY ROOF (REMAINING EPDM) APPEARS TO BE IN POOR CONDITION AND NEAR/AT END OF EXPECTED LIFE. SOME REPAIRS | REMOVE ALL ROOF MATERIALS TO EXPOSE STRUCTURAL DECK AND REPAIR AS REQUIRED. INSTALL NEW FLASHING, | 75000 |
| 07-G054 | FIXED SEATS IN AUDITORIUM ARE DAMAGED AND DUE TO AGE AND HEAVY USE ARE AT END OF LIFE. FRONT LOBBY AREA DOES NOT | REPAIR/REPLACE SEAT PANS AND FIXED SEATING AS NEEDED. RECONFIGURE LOBBY AREA TO COMPLY WITH ADA GUIDELINES. | 525000 |
| 07-M008 | THE HVAC SYSTEM IN WRIGHT AUDITORIUM IS BADLY IN NEED OF REDESIGN AND RENOVATION. THE AIR HANDLING UNITS HAVE | PLACE WRIGHT AUDITORIUM ON THE CAMPUS CENTRAL CHILLED WATER LOOP. REPLACE THE AIR HANDLING UNITS AND | 1500000 |

| D_NO | Description | Recommended Correction | | Cost |
|------|-------------|------------------------|-------------------|---------------|
| | | TOTAL | WRIGHT AUDITORIUM | \$2,385,000 |
| | | | Total | \$388,174,100 |