SCOPE OF WORK
KANSAS DEPARTMENT OF TRANSPORTATION
Altoona (A-014913) & Yates Center (A-014912) Subarea Shop Modernizations
September 2023

KANSAS TRANSPORTATION AT A GLANCE

Kansas Ranks #15 in land area with 81,823 square miles with just under 3,000,000 people but is #4 in the number of public road miles following Texas, California, and Illinois. Kansas has approximately 286,606 miles of roads. This includes 140,372 miles of public roads under the jurisdiction of KDOT, KTA and various Kansas cities and counties and includes 21,948 state and local bridges.

HISTORY OF THE WORK

The subarea work unit is the most important unit in KDOT. Over the years, due to changes in policies, technology and equipment, the number of facilities and employees within each work unit has declined, thereby requiring each work unit to do more work with fewer resources.

Due to the reduction in resources, KDOT has been successful in continuing to meet the agency's mission by detecting and making improvements to inefficiencies in highway maintenance operations. Such improvements include, but are not limited to, new technologies and procedures and more expensive and sophisticated equipment.

Currently the vehicle storage bays are not of sufficient depth to house agency dump trucks when they are equipped with a salt/sand spreader and a snowplow. This requires the dump trucks to be parked outside, not loaded with salt/sand materials, and/or the snowplows to be unattached prior to a snow/ice event. Delayed response time is experienced due to cleaning the windshield of snow/ice covered truck, loading it with salt/sand material and attaching the snowplows before deployment to the highways. This extra time could be eliminated if the dump truck could be parked inside an adequately sized bay, so it was loaded and equipped before the storm.

KDOT subarea facilities were constructed in the late 1950's and 1960's. The current projections for these buildings are to use them for many more years. This project will focus on vehicle storage bays.

During recent renovations, the existing buildings have been demolished and a new building was erected housing both the truck bays and the office area. In most instances it is much more economical to proceed in this manner. Truck bays may be drive-through or drive-in, back-out depending on the site layout.

KDOT is developing standards for their facilities and will provide the selected firm with information pertaining to their preferences. This includes but is not limited to the vehicle bays include infrared heating, ceiling fans, adequate electrical receptacles, lockers, ice machine, work sink, eye wash station with floor drain, trench drains, a location for the Owner provided compressor and related hose reels, piping and equipment. Overhead doors are typically 14' x 14' with motorized openers and vision windows. Hose bibs are required both inside and out.

Examples of some recent subarea shop modernization projects follow.

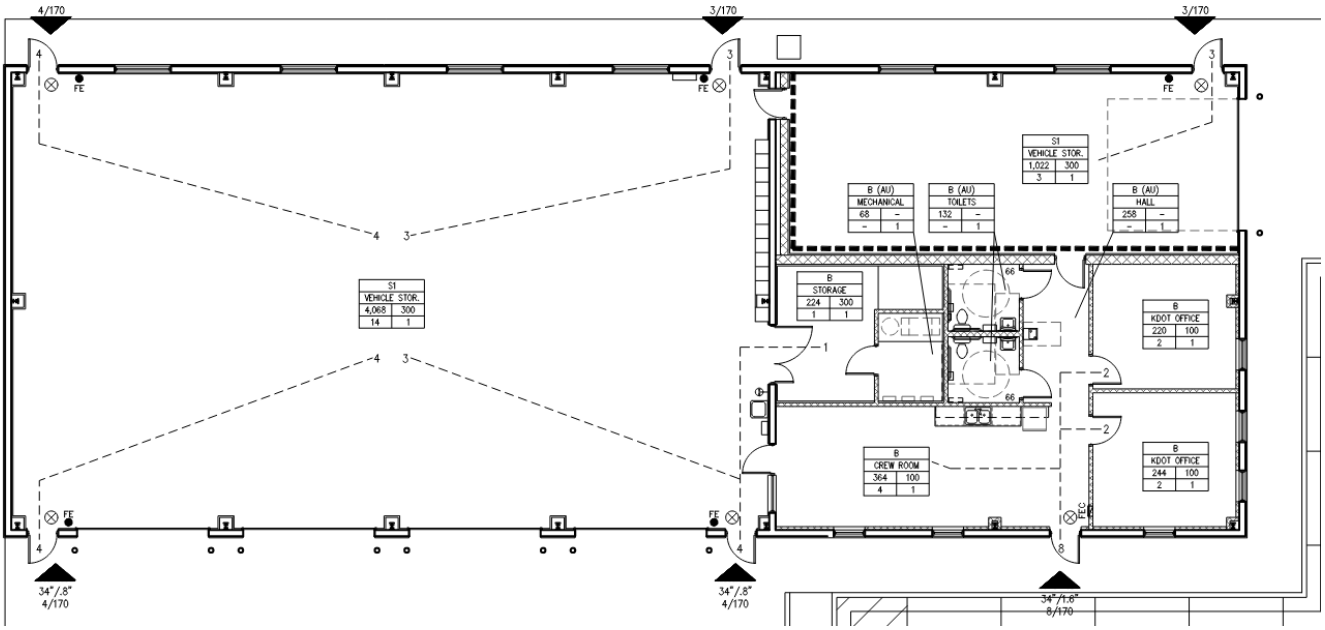


Figure 1: 4-bay drive-in, back-out.

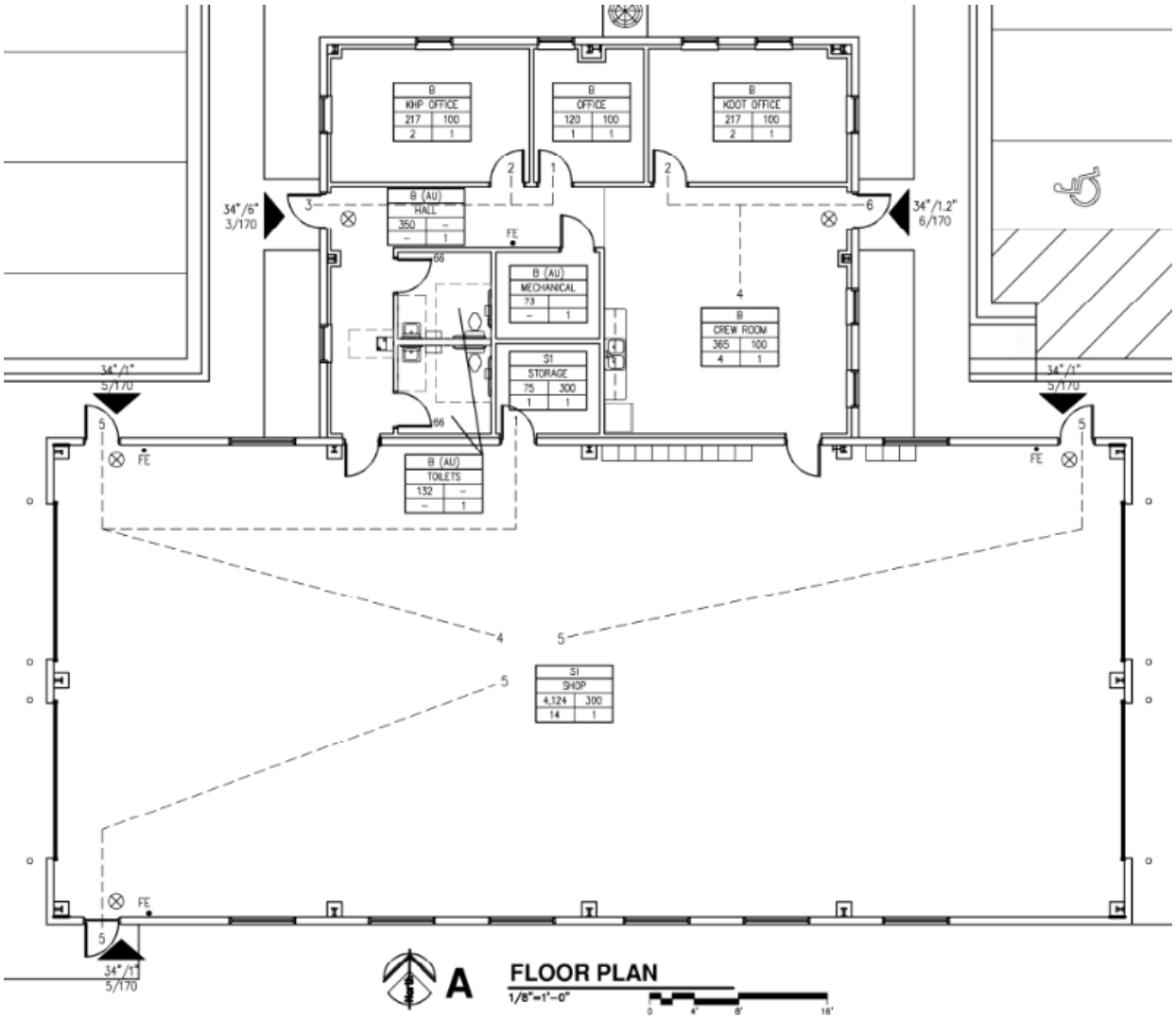


Figure 2: 4-Bay drive-through

ALTOONA SUBAREA SITE - A-014913

EXISTING

The Altoona Subarea shop is located at 403 E. 17th St in Altoona Kanas the existing 4-bay Altoona Subarea Building is part of KDOT District 4, Area 3 North of Independence.

The current subarea building houses a small office, crew room, restrooms, tool storage and bays for trucks. This modernization project includes demolition of the existing building and the construction of a PEMB to house the crew and trucks.

NEW WORK

The office portion of the building will include an office for the subarea supervisor, a crew room, restrooms, janitor's closet, and mechanical rooms as required, office storage, tool storage that open to the vehicle bays and a computer station in the crew area. Windows shall be operable. KDOT uses the Best cylinders and the mortise locksets shall accommodate these cores. A portion in the office space should be hardened space for a storm shelter.

SCHEDULE

Advertisement for Design Services ..... September 2023
Commencement of Design Work .....early November 2023
Released to Bidders .....March 2024
Construction begins .....May 2024
Occupancy ..... December 2024

BUDGET

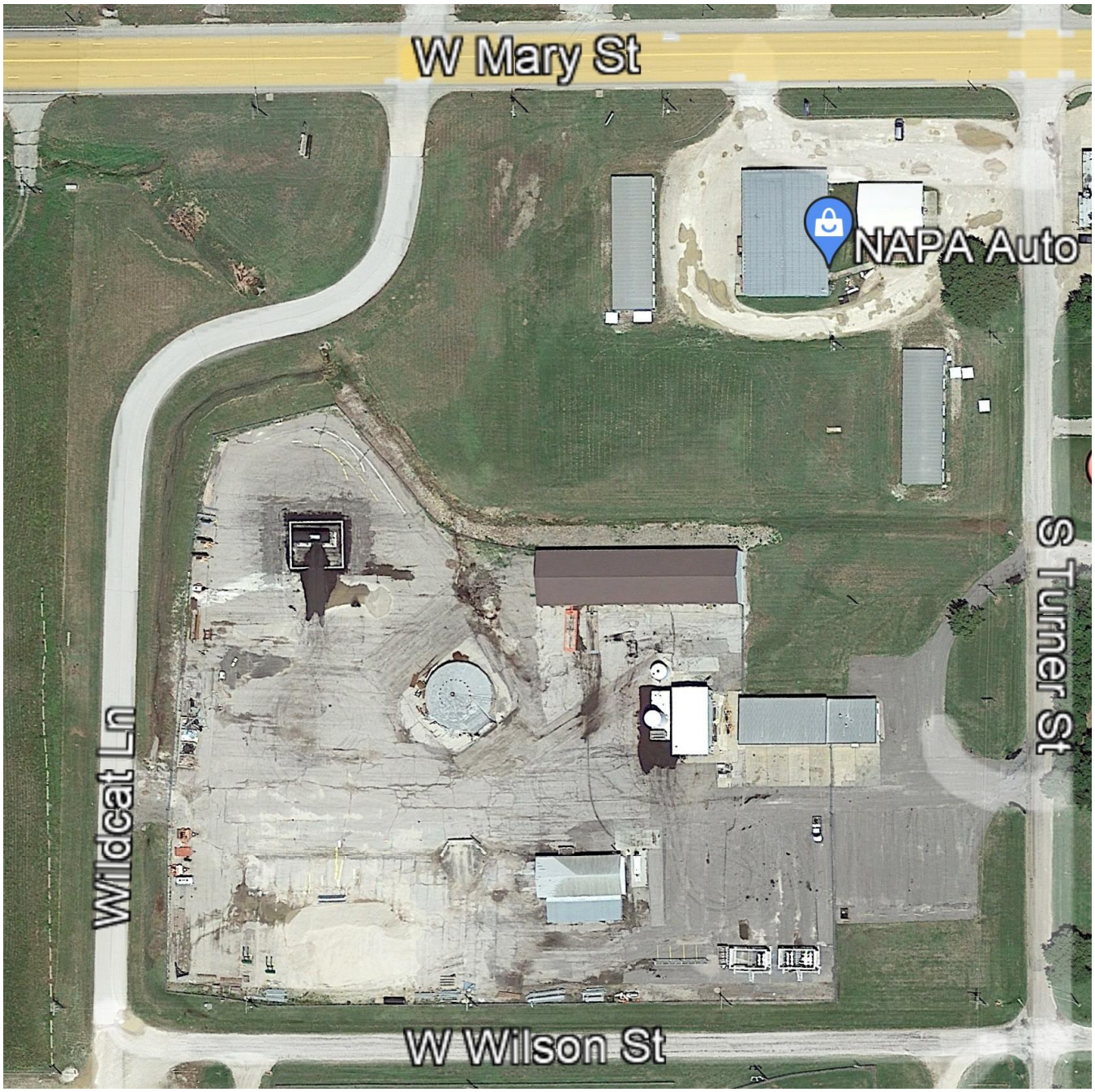
Construction Budget $1,800,000
Soft Costs including AE Fee, IT, Owner Supplied Equipment $300,000

TOTAL PROJECT BUDGET $2,100,000

YATES CENTER SUBAREA SITE – A-014912

The Yates Center Subarea is located at 201 S Turner in Yates Center.

The building is a 4-bay facility and consists of an office for the subarea supervisor, a crew room/break room for the remainder of the staff, restrooms, janitor's closer and mechanical rooms as required, office storage, tool storage open to the vehicle bays and a computer station in the crew area.



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PROCESS

While this is being executed as one project for the design and construction administration, due to the distance between these sites, it is the intention of KDOT to bid and administer these as two separate projects.

Design and construction are to follow the requirements of the OFPM Building Design and Construction Manual. The BDCM may be found on our website at https://admin.ks.gov/offices/facilities-property-management/design-construction--compliance/building-design-and-construction-manual-bdcm. This project will bid though OFPM and construction administration will be administered by the design team.

Forms required to complete this project may be found at https://admin.ks.gov/offices/facilities-property-management/design-construction--compliance/forms-and-documents.

OFPM will provide full services to the agency and will therefore be involved in the design of the facility, approval of fees, invoices, change orders and payment applications.

The Project architect/engineer will provide full scope services, including where necessary, geotechnical and survey services, code and accessibility analysis and compliance, full construction administration services and project closeout services. This project must be compliant with the codes listed at the end of this document.

Projects will be designed to applicable building codes, accessibility laws and guidelines and energy codes for Capital Improvement Projects in State Buildings are available on Form 110 – List of Applicable Codes at https://admin.ks.gov/offices/facilities-property-management/design-construction--compliance/forms-and-documents.