

GENERAL NOTES

The Contractor shall be responsible for preserving existing property irons shown on plans. The Contractor will be required to reestablish any shown property irons which are damaged or destroyed by his construction operations. Such irons shall be reestablished at the Contractor's expense by a licensed land surveyor in accordance with state laws.

The City of Wichita Public Works Dept. shall take field ties to all quarter section corners. The contractor shall set a city survey monument in the required location where such quarter section corners fall within the limits of pavement construction. Survey monuments will be furnished at no cost by the city. The City of Wichita Public Works Dept. will accurately locate and install the iron at the quarter section corner. This work shall be paid for under the contract unit price for "Survey Monument".

All construction staking shall be performed by the City of Wichita Public Works Department at no cost to the contractor. The contractor shall coordinate the survey staking with the City of Wichita Public Works Department and give the surveyor 24 hours notice when stakes are required.

Utility service lines, poles, valve boxes, meters, etc... are to be adjusted as necessary by others prior to construction unless the plans specifically call for their adjustment by the contractor. Existing utilities and their location, as shown on the plans, represent the best information obtainable for design. Location information has been obtained from the various utility companies and is either from company record drawings or company provided field locations. The plan locations shown are not guaranteed. Additional existing utilities may also be encountered. The contractor will be required to work around existing utilities within the right-of-way which do not conflict with proposed construction.

The contractor shall adjust or remove and replace water valve boxes as directed by the engineer at the price bid for said adjustments. The water department shall field locate water valves one time during construction when requested by the contractor. It shall be the contractors responsibility to preserve such field locations during the the construction process. Water valves or water valve boxes damaged during construction shall be repaired by the contractor at his own expense.

A full depth saw cut of the existing surface shall be provided at locations where proposed new construction abuts an existing concrete or bituminous surface for which at least partial removal of that surface is required. Saw cuts shall be paid for directly as the bid item "Saw Cut".

Rubble from the removal of miscellaneous structures and excess excavation which is to be wasted shall be disposed of on sites to be provided by the contractor. These sites shall be approved by the Engineer as to suitability, appearance and site location. Locations that, in the opinion of the Engineer, will leave an unsightly appearance will not be approved. All disposal sites must be approved by the Kansas Department of Health and Environment. Material either stockpiled or disposed of in a flood plain would require a Kansas State Board of Agriculture permit. Any material dumped in waters of the United States or wetlands is subject to U.S. Corps of Engineers permitting regulations. Any material buried or stockpiled beyond approved construction limits would require additional archeological investigations unless buried in a previously approved borrow location.

All trees to be removed are marked . Costs shall be paid as site clearing and restoration.

All trees, hedge rows, shelter belts, and woody shrubs not shown to be removed and located between the right-of-way line or easement line shall be spared unless directed by the engineer to be removed. All trees within the appropriate clear zone shall be removed.

Contractor shall remove and deliver to 1801 S. McLean all sewer manhole frame and lids, regulatory signs-street name signs, and traffic signal poles, signals and controller, etc. noted for removal during construction. Contractor shall be responsible for the installation of new signs. All associated costs to transport the salvaged material will be Subsidiary to the bid item "Transportation of Salvaged Materials" and will be Non-Participating.

All business signs, posts and landscaping features in conflict with the new construction will be relocated by others prior to construction. Upon the start of construction, all items that remain within the construction limits shall be removed and disposed of by the contractor at no additional cost to the City.

Connection of existing storm sewers, sanitary sewers or drainage structures to proposed conduits and/or structures shall include all material, equipment and labor. These connections shall not be paid for directly, but shall be considered Subsidiary to the various proposed conduits or structures. This work shall be as directed by the Engineer and shall be Subsidiary to the specific structure bid items.

Elevations are in City of Wichita Datum. (Feet)

Select Soil (Topsoil shall be placed at a minimum depth of 6 inches or as specified at all locations within the right-of-way outside of pavement. The finished grade indicates the surface elevation after the prescribed select soil (topsoil) thickness has been placed.

All gravel or other similar debris larger that 1/2 inch in diameter shall be raked up and removed during final grade preparation.

UTILITIES

CATV - Cox communications (cable)	262-0661
E - Westar Energy (electric)	383-8600
G - Kansas Gas Service (Gas 2)	832-3101
T - SBC (telephone)	800-870-8390
SS & W - City of Wichita water & sewer	262-6000
AQUILA - Aquila (Gas 1)	946-0096
SWS - City of Wichita storm water	268-4071

New storm sewer installed under proposed pavements shall be protected from construction traffic during construction operations.

Proposed curbs matching existing curbs shall be altered to match the shape and dimensions of the existing curb. Positive drainage shall be maintained through such transitions.

Asphalt cement for bituminous material shall be PG 70-28 for surface and base courses. BM-2 aggregate shall be used in surface and base courses.

Bituminous surface course shall be placed with a laydown machine having automatic controls for line and grade.

A tack coat of emulsified asphalt (sc-1h or css-1h) shall be applied at an approximate rate of 0.05 gal. per square yard between each lift of bituminous material.

Construction joints in each lift shall be staggered a minimum distance of 12 inches from joints in preceding lifts and placed so that a joint will be constructed on the centerline of the top lift.

Crushed rock subgrade is to be compacted and smoothed with a steel faced roller prior to placement of pavement.

The joints in existing and new concrete pavements to be overlaid shall be cleaned and re-sealed with Crafcoc 34201 joint sealant or approved equivalent in conformance with the City of Wichita Standard Specifications. The installed sealant should be recessed 1/8" below the concrete surface. Contractor shall be careful to avoid contact of the sealant with the concrete surface. If such contact occurs, the sealant shall be completely removed. Spreading-out excess sealant across the pavement surface (Squeegeeing) will not be allowed.

Inlet hook-ups shall be constructed as indicated on the inlet detail drawings and shall be bid as "Inlet Hook-up". No distinction will be made between hook-ups based on the size and type of inlet.

In general, Wichita Transit Authority benches shall be relocated behind the proposed curb at the same station of the current location. Coordinate with the Engineer and with the WTA to resolve conflicts with obstacles preventing relocation in this manner.

All areas disturbed by construction that are adjacent to developed properties shall be restored with sod to match existing turf type. Restoration of disturbed areas shall include, but not be limited to, top soil preparation and sodding. All sodding work shall be in accordance with City Standard specifications and the City Administrative Regulation No. AR78, which governs cleanup and restoration or replacement following construction. The "Recapitulation of Quantities" shows the estimated Square Yards of sodding, with a bid item for the same. A separate bid item for the different kinds of sod will not be provided. When the weather/season prevents the installation of sod, the Contractor shall be responsible for installing Erosion Control Blanket (Curlex I, or approved equal) at the back of curb (8' wide minimum). All costs for erosion mat installation shall be SUBSIDIARY TO "Site Restoration".

The contractor shall reseed all undeveloped areas disturbed by construction with a mixture of Ryegrass (applied at a rate of 200 lbs. per acre) and Fescue, Bermuda, or Buffalo grass, depending on the soil conditions (applied per Standard Specifications). Pure nitrogen fertilizer shall also be applied at a rate of 1.5 lbs. per thousand square feet. The seed shall be watered with deep soaking every two (2) weeks during dry periods until a mature stand of grass is obtained. The "Recapitulation of Quantities" shows the estimated square yards of disturbed area to be seeded, with a bid item for the same. The permanent seeding may be omitted only if sodding is required. The contractor shall be responsible for installing Erosion Control Blanket (Curlex I, or approved equal) at the back of curb, to and including the limits of all seeded areas. All costs for this work shall be subsidiary to the seeding bid item.

A video detection system shall be installed at the intersection of Taft and Ridge for the southbound traffic on Ridge ONLY. Detection Zones shall be at the locations of existing detection loops. Existing traffic manholes conflicting with new construction shall be removed.

The grades shown within the intersection of Maple and Ridge will match the proposed elevation of each approach at the Surface of the Ultrathin Bonded Wearing Surface. New curb and gutter on all approaches will need to be constructed with a short transition to match the curb and gutter within the intersection.

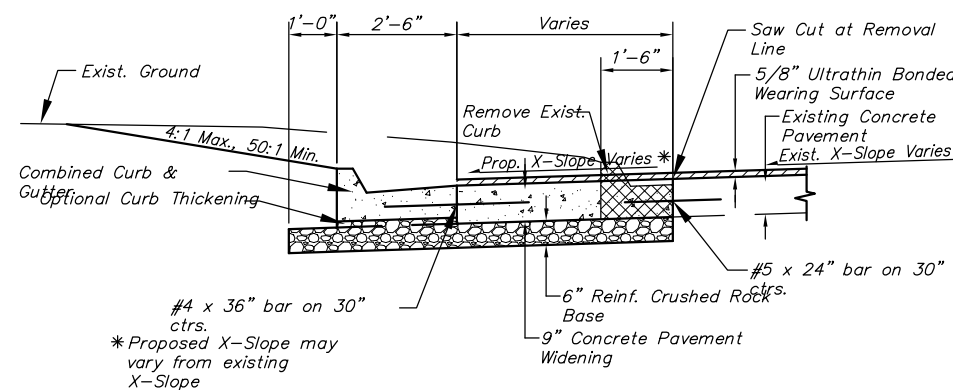
The Ultrathin Bonded Wearing Surface shall be 5/8" thick, Type B with a target application rate of 70 lbs. per square yard.

The contractor shall construct an 8 foot transition butt mill on the existing concrete pavement at each end of the project to provide a transition between the existing pavement and the 5/8" Ultrathin Bonded Wearing Surface. The mill thickness shall be 5/8" deep at the match station and shall taper to 0" deep within 8 feet.

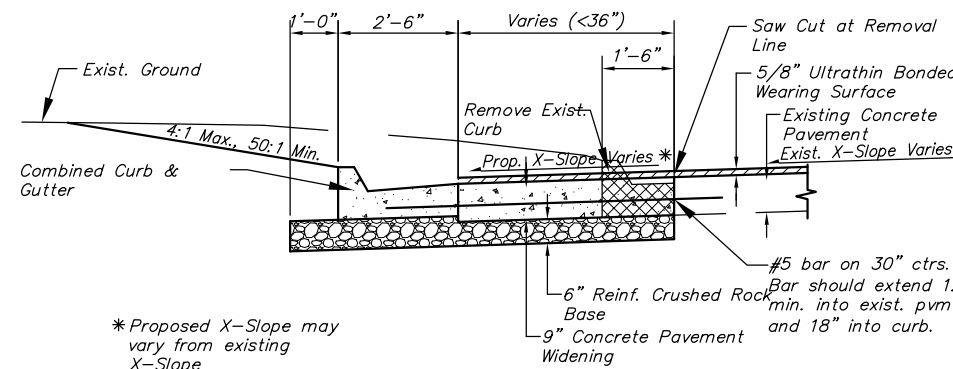
All portions of the existing traffic signal at the intersection of Maple and Ridge shall be removed including the traffic signal manholes along all approaches. Refer to the previous note on this page concerning salvaging of portions of the signal.

Irrigation systems disturbed by construction shall be repaired and restored to working order by the contractor. Contractor shall coordinate irrigation restoration with the land owner and the land owner's irrigation contractor.

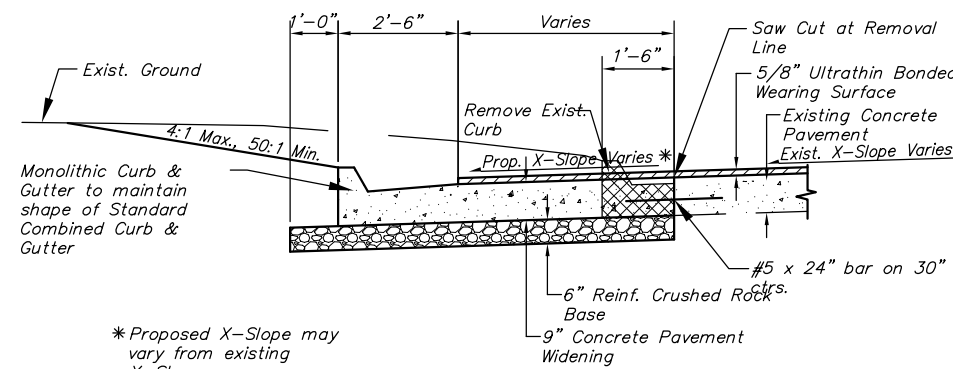
In lieu of flowable fill for backfill of proposed storm sewers, the contractor may utilize flushed and vibrated sand fill in accordance with City Specifications. No additional payment will be made for the backfill of storm sewers.



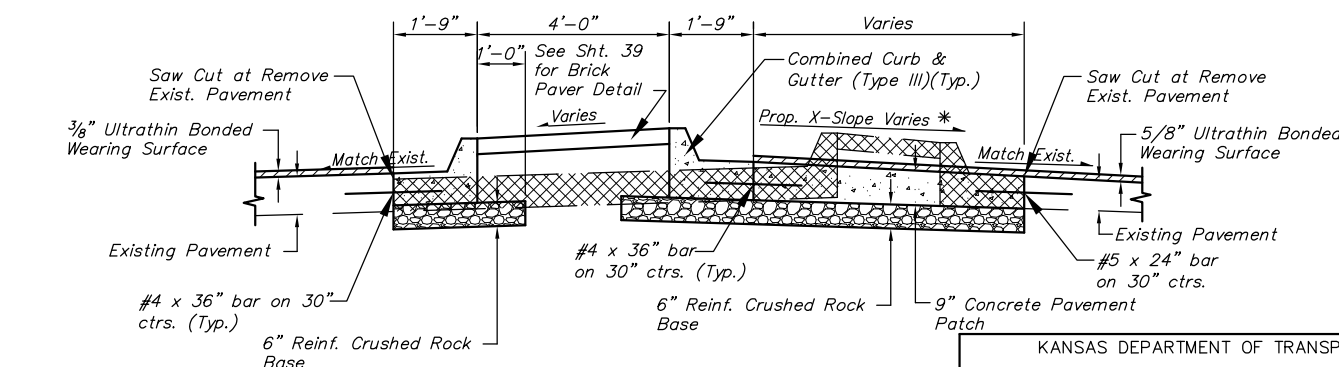
STANDARD WIDENING TYPICAL SECTION



OPTIONAL WIDENING TYPICAL SECTION (NARROW WIDENING SECTIONS)



OPTIONAL WIDENING TYPICAL SECTION (MONOLITHIC CURB & GUTTER)



MEDIAN ISLAND TYPICAL SECTION

Sta. 50+80.00 to Sta. 52+67.21 (Maple)
Sta. 21+05.95 to Sta. 25+54.70 (Ridge)
Sta. 27+14.70 to Sta. 29+96.79 (Ridge)

STATE	PROJECT NO.	YEAR	SHEET NO.	SHEETS
KANSAS	87N-0307-01	2006	2	89

KANSAS DEPARTMENT OF TRANSPORTATION

GENERAL NOTES & TYPICAL SECTIONS

PROJECT NO. 87N-0307-01 SEDGWICK CO.

MKEC ENGINEERING CONSULTANTS, INC.

WICHITA, KANSAS

DESIGNED BY: JRA	CHECKED BY: JRA
DRAWN BY: DPG	DATE: DEC. 05 SHEET 2 OF 89