

## GENERAL NOTES

EXCAVATION: Elevation 887.6 shall designate the Excovation Boundary Plane of Class I and EXas II Excovation:Class I obove the pelane Class II Delow the plane. See the Construstion Layout
Class Bridge Excovation sheet for the pay limits of Class I Excovation. All other excouvtion shall
and be Unclassified Excavation
BACKFILL COMPACTION: Compact backfill at the abutments.
CONCRETE: Al/ bridge and approoch slab concrete shall be KCMMB 4K Concrete.
Concrete shall be air entrained. Bevel all exposed edges of all concrete with a $3 / 4$.
Concrete shall be air entrained. Bevel all exposed edges of all concrete with a $3 / 4$ "triangular molding, except os otherwise noted on the plans. Construction Joints are optional with the Contractor.
but if used. place only ot locations shown, or at locations approved by the Engineer.
CONCRETE PLACING: Place and hand vibrate all concrete for the abutments to the bottom of
deck elevation just prior to the normal poving train operations. Do this work in a monner to deck elevaction Just prior to the normal poving triin oper
ovoid cold joints in either the slab or in the abutment.
CONCRETE PLACING SEQUENCE: The Contractor shall place concrete from end of wearing surface to end of
Engineer.
CONCRETE FINISHING: Finish the bridge deck with a rough burlap drag.
CORRAL RALL: Build the corral rail ofter the falsework is struck.
REINFORCING STEEL: AII reinforcing steel dimensions ore to the centerline of bors unless otherwise noted. All reinforcing steel shall conform to the requirements of ASTM A6/5, Grade 60 .
Where noncooted bars come in contact with spoxy coated bars, they need not be coated.

MECHANICAL BAR SPLICES: Mechanical bar splices shall be subsidiary to other items of the contract.
PILING: All abutment piles shall be driven to penetrate or bear upon the shale formation. Driving shal stop when in the opinion of the Engineer additional driving may
driven to a minimum computed bearing value of 37 tons/pile.

BROKEN CONCRETE: Waste the broken concrete from the existing bridge on sites provided
DRILLING AND GROUTING: This item sholl consist of grouting reinforcing steel, anchor DRILLNG AND GROUTING: This item shall Consist of grouting reinforcing steel. anchor epoxy grout. Follow KDOT Specifications 842 and any associated Special Provisions. Follow the manufacturer's directions for mixing, application and curing. The tols, materials, labor and
incidentals necessary to complete the work shall be subsidiary to other items of the contract.
TEMPORARY SHORING: The bid item "Temporary Shoring" includes all labor and material necessory to design and furnish shoring/falsework for the temporary bracing of the structure
during work on the bridge. Shoring/falsework shall be in place supporting the existing concreto


The shoring/fa/sework plans are to be designed and sealed by a registered Professional Engineer.
Submit design calculations and shoring Plans to the Field Engineer for review 3 weeks before submit design calculations and shoring plans to the field Engineer for review 3 .
work is scheduled to begin. Work shall not begin until the Engineer grants apporoval.
FALSEWORK PLANS: A licensed Professional Engineer shhll design the falsework details.
Details shall bear the seal of a licensed Manual, Section 5.1 "Review and Approval of Falsework Plans", for a listing of items to be included on the falsework plan. Submitelectronic plans confforming to Section 1005.100 b) of the
KDOT Standard Specificafions with details in compliance with KDOT Specifications to the Field KDOT Standord Specirtal
Engineer for review.
FALSEWORK INSPECTION: This project has falsework plan requirements which are considered "Cotegory 2" by KDOT specifications. If fol/sewwork deficicencies or variations from the approved and sealed plans are found, the falsework design Engineer of Record will provide writte "Category I" by the use of non-typical supporrts; then the inspecction and review requirement of "Category "" will be fully enforced, but of no cost to the Citits. "Category 2"
inspection is not poid for directly, but is subsidiary to other bid items.
EXISTING DIMENSION VERIFICATION: Dimensions of the existing structure ore based on
old plans. Verify, by field measurement, the as-built dimensions of the existing structure and submit such verification in writing to the Engineer. The verification will inolude sketches, drowings, photographs and descriptions as nest
will be incorporated in the new construction.

REMOVAL OF EXISTING STRUCTURE: This item shall include removal of the existing concrete deck and abutments to the limits shown on the plans. This item also includes removal of the
existing drain inlets and removal of the existing roadway povement (Full Depth) in both areas existing drain inlets and removal of the exist
of new Concrete Bridge Approch Povement
Care shall be token to minimize the amount of rubble that falls into the streambed. The
Contractor will be required to clean the streambed of any rubble coused by these operations as directed by the Engineer.
Care should be exercised to prevent cutting, stretching or damaging exposed reinforcing steel.
Extreme care should be exercised to tuvoid breaking the bond between the reinforcing steel and concrete where bars are partially exposed yet remain anchored in sound concrete. Reinforcing steel damoged, cut or deterior oted sholl be replaced os directed by the Engineer. Do not wedg chipping hammer bit against reinforcement. Replac
shall be subsidiary to other items of the contract.
Before new concrete is placed, sandblast all existing reinforcing steel exposed during concrete removal
All moterials removed from the existing structure shall become the property of the Contractor and removed from the site.

DRAIN INLETS: Controctor shall remove the four existing drain inlets and fill/ plug the existing CMP pipe with flowable fill. The material, equipment and labor necessary to remove
and plug the existing drains shall be subsidiary to the bid item "Removal of Existing Structures", SLOPE PROTECTION (Shot Rock): Ploce Slope Protection (Shot Rock) to the limits and
thicknesses shown on the plans or os directed by the Engineer.

CONCRETE RUBBLE: The amount of suitable concrete rubble available for slope protection is mproximate and is furnished only as an aid to the Contractor.

$$
\text { Concrete Rubble }=145 \text { c. } Y \text {. }
$$

TEMPORARY CONSTRUCTION LOADS: The Contractor shall not stock pile construction moterials, debris/rubble or place equipment weighing more than 20 tons on the bridge without prior written approval by the Engineer. The Contractor's Engineer will use AASHTO
Specifications for limitations on structural capacities, as the structure is found in the field. CONSTRUCTION LOADS: Limited troffic is permitted on the new one-course deck during the curing period. Keep any exposed deck wet during the curing
period. See KDOT Specifications Section 710 Tables $710-1$ \& $710-2$ for aditional information. NATURAL GAS LINE HANGER INSERTS: The Contractor shall install hanger inserts for the noturol Kansas Gas Service. The first three hangers near each abutment shall be placed at 12 inch centers. Kansas Gas Service. The first three hangers near each abu
The remaining hangers shall be installed ot 10 foot centers.
TEMPERATURE: The design temperature for all dimensions is 60 F .
QUANTITIES: Items not listed separately in the Summary of Quantities are subsidiary
to other items in the proposal.
DIMENSIONS: All dimensions shown on the design plans are horizontal dimensions unles otherwise noted. Make necessary allowances for roodway grade and cross slope. TEMPORARY STREAM CROSSING: The Contractor moy elect to construct a temporary stream crossing for ease of operations. The crossing shail be on open span type structure, so
as to comply with the Corps of Engineers nationwide permit ( (NWP) 14 obtained for this . as to comply with the Corps of Engineers nationwide permit ( NWP) 14 obtained for this pro
Pipes placed in the river covered with fill will not toe allowed. See the Temporary Stream Pipes placed in the river covered with fill will not be allowed. See the
Crossing detail on the Contour Map sheet for additional requirements.
Area disturbed to construct a temporary stream crossing shall be restored to equal or better Area disturbed to construct a temporary stream crossing shall be restored to equal or better
conditions thon before construction. The flow line shall be re-established, and all fill meterial
shall be removed from the channel. Disturbed areas above ordinary high woter mark shall be shall be ren
reseeded.

The Contractor shall construct the temoprary stream crossing in such a manner as to reasonably
prevent decking and or beams from washing down the river in the event of significant rainfoll. All work associated with designing, constructing and maintaining temporary stream crossing
shall be subsidiary to other items of the contract.

| Summary of quantities |  |  |
| :---: | :---: | :---: |
| tem | Quantity | Unit |
| Force Account ( Set) | 1 | L.S. |
| Maintenance Bond | 1 | L.S. |
| Clearing \& Grubbing | 1 | L.S. |
| Removal of Existing Structures | 1 | L.S. |
| Unclassified Excavation | 149 | Cu. Yds. |
| Class 1 Excavation | 53 | Cu. Yds. |
| Embonkment ( Contractor Furnished) | 942 | Cu. Yds. |
| Compaction of Eorthwork | 888 | Cu. Yds. |
| Asphaltic Conorete (Overland Park Mix) | 262 | Tons |
| Milling (Total Width)(2")(Depth Transitions) | 1,070 | Sq. Y Cs . |
| Aggregote Base Course (AB-3 O.P. Modified) | 296 | Sq. Y $¢$ s. |
| KCMMB 4K Concrete | 252.4 | Cu. Y $¢$ s. |
| Conorete Povement (I2" Uniform)(Bridge Appr.) | 272 | Sq. Y $¢$ s. |
| Bridge Approach Slab Footing | 17.8 | Cu. Yds. |
| Reinforcing Steel (Grade 60)(Epoxy Cooted) | 74,060 | Lbs. |
| Piles (Steel/(HP (0x42) | 152 | Lin. Ft. |
| Abutment Strip Drain | 37 | Sq. Yds. |
| Bridge Bockwall Protection System | 43 | Sq. Y $¢$ s. |
| Temporary Shoring | 1 | L.S. |
|  |  |  |
| Slope Protection (Shot Rock) | 129 | Cu. Yds. |
| Removal of Existing Guardrail | 863 | Lin. Ft. |
| Guardrail (Steel Plate)(MGS) | 906 | Lin. Ft. |
| Guardrail End Terminal (MGS) | 4 | Each |
| Object Marker (Type 3) | 4 | Each |
| Traffic Control | 1 | L.S. |
| Permanent Povement Markings | 1 | L.S. |
| CARS Sign | 2 | Each |
| Temporary Erosion Control | I | L.S. |
| Seed | 1 | L.S. |
| Contractor Construction Staking | 1 | L.S. |
| Control Point (Vertical/(Reset) | 1 | Each |

design data:
DESIGN SPECIFICATIONS:
AASHTO Specificactions, 2002 Edition and latest
Interim Specifications. Lood Factor Design
DESIGN LOADING: (Existing Concrete Girders)
H2O-SI6-44 AASHO Specifications, Edition of 1957
Design Dead Load includes no allowances for of future wearing surface
DESIGN LOADING: (New Concrete Deck
HS2O-44
Design Dead Load includes an allowance of 15 psf for a future wearing surface.
UNIT STRESSES: (New Construction)


凹




## GENERAL NOTE

 the approach slab os shown on this sheet.
All work and materill sequired for installaion of expansion joints shall be subsidiary to this bivid item.
At the Contractor's ooti
Subsitiory to this bid item.
At Co Controctor's option $* 4 \times 3^{\prime}-0^{\prime \prime}$ tie bars a $15^{\prime \prime}$ centers may be substituted for the
$* 6$ e bars at $?^{-6}-6^{\prime \prime}$ centers. *6 e bars at ${ }^{2}-6$ " centers.
All reinforcing steel shall
 Clearance from the foce of concrete for all reinforcing steel shall be 2 inches.
Standard reinforcing bar hooks in accordance with the latest ACl specifications
shall be used throughout. Iar hooks in accordance winh he laest ACl speci ico ions
Concrete for the bridge approach povement shall be KCMM $4 K$ Concrete. . Construct
Concrete Bridge Approach Povement on a special aggregate base course. Special oggregate Concrete Bridge Approach Povement on a special aggregate base courss. Special oggregate
base course shall be paid for os Sq. Yds. of "Aggregate Base Course (AB-3 O.P. Modified) and includes all work and materials to construct the aggregate base course as shown on

* For details of 4"Edge Curb, See Standard Drowing BAPM-I.

W For expansion Joint width and details see KDOT Standard Drawing RDT/2
$\neq$ Contractor has the option of substituting a Tied Keved Construction Joint.

SECTION A-A



BENDING DIAGRAMS Note: All dimensions are out to out on bars.

CONCRETE BRIDGE APPROACH PAVEMENT ~

PLAN VIEW



Welded Wre relifforcen


3/4" nole $121 / 2^{n}$
SECTION OF RECESSED
FORM LEG


DETAIL OF LAP FOR WELDED WIRE REINFORCEMENT The lap shall extend beyond the first transverse or bag wire of
 not to e exceed $2^{\prime-\alpha^{\prime \prime}}$ for the full wh dht of the sheet. Approximote
welght of welded wire elinforcement $=58$ los.per 100 sq.ft. Other methods for fastening the sheets of welded wire reinforcement at the laps moy be used with the approval of the Endineer.


Tied Keyed Construction LONGITUDINAL JOINTS

Note: For longitudinal construction Joints the contractor hos the ooftion of using either the keyed or butt type.


Monolithic Pour
RANSVERSE JOINTS Note: A construction Joint Is required when the concrete
plocement hos been interruoted for a substantiol length placement has been interrupted for
of time or ot the end of a day's placement.


Tied Butt Construction

EDGE CURB DETAIL
(Taper and end curb at end of $20^{\prime}$
Slab if there es no no curb and gutter
on approcches.)

All work shall be done in conformity with the KDOT Standard Specification aplicable to the project.
The cost of all bars Tholuded in the bid price fort material shown on this sheet is to be At each planned tronsverse foncint location, a 0 to 6 inch wide strip of the pavement surfface shall be protecected from the texturing operation to provide transuerse textureless surffoce centered over the Joint sowcult
All sowed joints on this project All sowed Joints on this project shall be filled with seelant from the
pre-opproved KDOT product list, in accordance with the KDOT Stander pre-approved KDOT product
Specifications, Section 502.
The 4 inch edge curb shall be constructed integral with the approach slab All materials and work required for this construction shall be subsidiart to the concrete approach slab.
Tie bars shall be evenly spaced along the length of the slab and no tie bars shall be within I2" of contraction Joint.

Note: Epoxy cooted "3 bars longltudinally @ 12 " ctrs.\& *3 bars trannversely 18" ctrs.may be
relinforcement.
$1 / 4^{\prime \prime}-1-1 / 8^{n}-1 / 4^{\prime \prime}$


Tied Non-Keyed

TYPICAL SHEET OF WELDED WIRE REINFORCEMENT FOR SPECIAL BRIDGE APPROACH PAVEMENT
Tied Non-Keyed










Place slope protection to limits as shown. Limits moy be ad justed as needed at the direction of the
Engineer to match ground elevations found at the site.
Excovation and grading for placement of slope protection and all work and material to install geotextile fabric shall be subsidiary to slope protection.
Slope protection shall be underlain with geotextile fabric approved for high survivability. Fabria damaged or displaced during construction sholl be replaceed ot no cost to KDOT. Fabric shall be installed and secured as recommended by the fabric manufacturer. One (1) copy of the fabric
manufacturer's installation procedure shall be submitted to the Engineer. The installation procedur shall show details of the splices, overlaps and pin layout. Minimum overlap of geotextilie shall be I $f$ the Fabric shall be anchored along edges and splices ot o moximum of 3 foot centers with staples pins (W/Washers). Interior area of fobric shall be pinned or stapled os recommended by the manuffocturer rut not more than 5 foot centers. Pins or staples shall be a m .
ength. Geotextile fobric shall meet the requirements of KDOT Specifications.
The Contractor shall place the rock from the bottom to the top of the slope. Place the rock in a manner which produces a reasonably well graded mass of rock without segregation of the material sizes. Placement, measurement, and Doymment shall conform to KDOT Specififcations for Slope Protection

Concrete rubble from the existing structure moy be used along the driplines for slope protection.
Goetextile Fabric shall be lapped a minimum of $l^{\prime}-0^{\prime \prime}$ at all splices.








$\xrightarrow{\text { PLAN }}$


ABUTMENT STRIP DRAIN: The Bridge Contractor shall excavate to the limits shown on the Bridge Excovation sheet, grade the bottom of the bockfill area, place the strip drain, and place the
perforated pipe, the outlet pipe, the CMP, and the backfill. Guide post and coarse ageresate perforated pipe, the outlet pipe, the CMP, and the bockfill. Guide post and coarse aggregote
are subsidiory to this bid item. Guide post and coorse aggregote are not required if the CMP are subsidiary to this
empties onto riprap.
BRIDGE BACKWALL PROTECTION SYSTEM: ADply a Bridge Backwall Protective System to the approach side of the abutments and the wings in accordance with KDOT Specifications and the manuffacurer's recommendations. Cover the abutments ond wings to the limits shown on the
details. Prior to packilling. repair Place perforated pipe next to the strip drain. Use non-perforated pipe outside the limits of Compact the abutment backfill. See the KDOT Specifications. Perforated pipe and non-perforated outle
conforming to the KDOT Specifications.
Fit the CMP end section with $1 / 4$ "galvanized mesh screen to prevent the entrance of rodents, Seal the Joint between the outlet pipe and
aggregate ot the outlet end os shown.

Grade the bottom surface of the excovacted area to drain. Backfill this area with a conesive type soil. The soil should be a silty clay or clay under the Konsas Classificati.
a minimum plasticity index of 13 . Compoct the material to Type B standards. Place the outlet pipe on the downstream side of structures over streams and as shown or
noted on other crossings (See the "Construction Layoutr sheet).


* Limits of Bridge Backwall Protection System (by Bridge Contractor)







SPI


R9


BENDING DIAGRAMS
All dimensions ore out to out of bars.
${ }^{\text {B Bend this leg to match the slope }}$ of the roodway.

A8

$\qquad$
A5










PAVEMENT MARKING GENERAL NOTES
All permanent povement markings shall be provided and installed by the contractor as
2. Povement markings on concrete shall be per the specificications
indicated on the plans or directed by the City Inspecctor. See the Povement Marking
Material Matrix.
2.l. All Iongitudinal lines shall be epoxy material, or durable preformed, patterned ald plastic as indicated in the plans.
2.2. All transverse lines and symbol markings shall be inlaid durable preformed,
patterned cold plastic, or sproyed epoxy as indicated in the plans. Spray epoxy patterned cold plastic, or sprayed epoxy as indicated in the plans. Spray epoxy
sholl be applied with oppropriate templates.
3. Povement markings on asphalt sholl be per the specificactions, unless otherwise indicated on the plans or directed by the City Inspector. See the Pavement Marking Material
Matrix All Iongitudinal lines shall be hot applied thermoplastic materia.
3.2. All transversel lines and symbol markings soll
3.2. All transverse lines and symbol morkings shall be pre-formed thermoplastic
4. Liquid pavement marking material moy be used for transverse lines under the following
stipulations:
4.I. Shall be applied by a push cart.
4.1. Shall be applied by a pusht carr.
4.2. Onl| one poss with the thermopistic povement marking equipment shall be
allowed in order to provide phe required line with allowed in order to to rovide the reauired line with occorrding to the pelans. Multiple
passes of norrowerl lines with overlaps to provide the required width shall not be passes
allowed.
4.3. Liq

Liquid povement marking material shall not be used for word or symbol markings,
unless applied with ioporoorite temolates as indicated in the plans
5. Crosswalk lines shall be installed such that the minimum distance between the inside
5. Crosswalk lines shall be installed such thot the minimum distance between the inside
edge of the line to the inside edge of the line is 6 feet.
6. Stoo lines shall be installed such thot the minimum distance between the outside edge
7. Skip lines shall not extend past the stop Dar or into the crosswalk.
8. White broken lane lines shall be carried through intersections with private streets unless
there is a left turn bay into the private street. Then a gap should be left in the broken
9. Whe proposed lines formonent mert turng movall bent loid pass through. me proposed permanent markings shall be loid out by the contractor in acvance of the
marking instalation. Markings shall not be applied until the layout and conditions of the surface hove been approved by the city Inspector.

| PAVEMENT MARKING MATERIAL MATRIX |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| MARKING MATERILL | PAVEMENT TYPE |  |  |  |  |
| permanent marking | ASPHaLT | CONCRET | MICrosurface | Cape seal | CHIP SEaL |
| Thermoposstic | x |  | x | x |  |
| Pre-Formed Thermoplostic | $x$ |  | x | $x$ |  |
| Epoxy |  | $x$ |  |  |  |
| Urettone Acrylate |  |  |  |  | $x$ |
| Durable Preformed, Patterned Cold Plastic |  | $x$-inloid w/binder |  |  | $x$ |
| Cold Plastio |  |  |  |  | x |
| Paint |  |  |  |  | $\times$ |
| Temporary Markings | ASPHALT | concrete |  |  |  |
| cold Plastic | x | ${ }^{x}$ |  |  |  |
| Paint | ${ }_{x}$ | x |  |  |  |


| SUMMARY OF PAVEMENT MARKINGS |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| station to station | location | ASPHALT PAVEMENT <br> (Thermoplastic) |  |  | CONCRETE PAVEMENT(DOHCOLe P Pe-formedPotterned Cold Plostic) |  |  | Remarks |
|  |  | $\begin{gathered} \text { silid } \\ \text { solit } \\ \text { Edge Line } \end{gathered}$ |  | $\begin{gathered} 4^{4} \text { Solid } \\ \text { YELLOW } \\ \text { Oouble } \\ \text { Line } \end{gathered}$ | $\begin{gathered} 4^{4 .} \\ \text { Solid } \\ \text { Edge Litine } \end{gathered}$ |  | $\begin{aligned} & \text { 4. Solid } \\ & \text { YELIOW } \\ & \text { Souble } \\ & \text { Line } \end{aligned}$ |  |
| 2/3+55.00 $\quad 214+55.08$ | Lt. Side Edge Line | $130 .{ }^{\prime}$ |  |  |  |  |  |  |
| $213+55.00{ }^{214+85.08}$ | Center Line |  |  | 260.2 |  |  |  | Double Line |
| $213+55.00$  <br> $214+85.08$ $214+85.08$ <br> $217+72.16$  | Rt. Side Edge Line | 130.1 |  |  | 287./1 |  |  |  |
| $214+85.08$ 217+72.16 | Center Line |  |  |  |  |  | 574.2 | Double Line |
| 214+85.08 $\quad 217+72.16$ | Rr. Side Edge Line |  |  |  | 287./ |  |  |  |
|  | Lt. Side Edge Line | $182.8{ }^{\prime}$ |  |  |  |  |  |  |
| 217+72.16 $217+2.16$ $\begin{aligned} & 219+55.00 \\ & 21955.00\end{aligned}$ | Centier Line Rf. Side Edge Line | $182.8^{\prime}$ |  | 365.6' |  |  |  | Double Line |
| 271+2.16 -219555.00 | R. Side Edge Line | 18.8 |  |  |  |  |  |  |
|  | totals | $625.8^{\prime}$ |  | $625.8^{\prime}$ | $574.2^{\prime}$ |  | 574.2 |  |

[^0]
##  <br> 




VICINITY MAP

LEGEND
-------- Main Detour Route
$\longmapsto$ Barricades
$\rightarrow$ Barricade (Winged)

- Signs (One Post)
- Signs (Two Posts)
- Existing Sign
- Sign Mounted in Median
STREET
$-15$




## 


 AND METCALF AVENUE $\frac{\text { ISIST STREET INTERSECTION }}{\text { (DETOUR OF METCALF AVENUE) }}$

## $\boldsymbol{\sim}$ $\boldsymbol{\omega}$ $\mathbf{Z}$ $\mathbf{I}$ $\mathbf{O}$ $\mathbf{O}$ $\mathbf{J}$ <br> CITY OF OVERLAND PARK, KANSAS METCALF BRIDGE REDECKING METCALF AVENUE OVER BLUE RIVER






MUTCD STANDARD WORK ZONE SIGNS


SUMMARY OF
TRAFFIC CONTROL DEVICES

|  | WORK ZONE SIGN (SPECIAL) |  |
| :---: | :---: | :---: |
| SIGN NO. | 16.25 SQ.FT. \& LESS | 16.26 SQ.FT. \& OVER |
| $S P-1$ | 31 |  |
| $S P-2$ | 2 |  |
| $S P-3$ | 1 |  |
| $S P-4$ | 2 |  |
| $S P-5$ | 3 |  |
| $S P-6$ | 5 |  |
| $S P-7$ | 6 |  |
| $S P-8$ | 1 |  |
| $S P-9$ | 2 |  |



+ Use warning lights (Type "A"
Low Intensity)

WORK ZONE WARNING LIGH
(TYPE "A" LOW INTENSITY)
WORK ZONE WARNING LIGHT
(RED TYPE "B" HIGH INTENSITY)
ARROW DISPLAY
PORTABLE CHANGEABLE MESSAGE SIGN 26 TRAFFIC CONTROL DEVICES

|  | WORK ZONE SIGNS * |  |  |  | $\underset{\substack{\text { Work Zone } \\ \text { Warning } \\ \text { Light }}}{\text { O. }}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| SIGN | MUTCD NO. | 0-9.95 | $\frac{\text { SIIZE- SQ.FT. }}{9.26-16.25}$ | 16.26 \& OVER |  |
| ROAD WORK AHEAD | W20-I | 6 |  |  |  |
| DETOUR AHEAD | W20-2 | 3 |  |  | Yes |
| ROAD CLOSED 500 FT | W20-3 | 2 |  |  | Yes |
| ROAD CLOSED 1000 FT | W20-3 | 2 |  |  | Yes |
| ROAD CLOSED AHEAD | W20-3 | 2 |  |  | Yes |
| US-69 | M1-4 | 3 |  |  |  |
| NORTH | M3-1 | 3 |  |  |  |
| SOUTH | м3-3 | 10 |  |  |  |
| TO | M4-5 | 3 |  |  |  |
| END DETOUR | M4-8a | 2 |  |  |  |
| detour (Arrow Left) | M4-9(L) | 6 |  |  |  |
| DETOUR (Arrow Right) | M4-9(R) | 7 |  |  |  |
| DETOUR (Arrow Straight) | M4-9(S) | 6 |  |  |  |
| detour arrow | M4-IO(L) | 1 |  |  |  |
| detour arrow | M4-IO(R) | 1 |  |  |  |
| ROAD CLOSED | RII-2 |  | 2 |  |  |
| BRIDGE OUT | RII-2 |  | 2 |  |  |
| ROAD CLOSED TO THRU TRAFFIC | RII-4 |  | 2 |  |  |
| END ROAD WORK | 620-2 | 1 |  |  |  |
|  |  |  |  |  |  |



Note:
Summory of Traffic Control Devices is shown
for information only. Traffic Control is bid os a
for information only. Traffic Control is bid as a lump
sum item. Minor od justments in the illustrated set-ups
shall be made of no additional cost to the Owner.



NOTE :
LOCATION OF Sign to be determined by the engineer.
SIGN TO BE ERECTED PRIOR TO ANY CONSTRUCTION ACTVITY; MAINTAINED BY THE CONTRACTOR THROUGHOUT
CONSTRUCTION AND REMOVED UPON COMPLETION OF THE PROJECT.
CONSTRUCTION AND REMOVED UPON COMPLETION OF THE PROJECT.
IF METAL IS USED, THE SIGN SHALL BE . 080 GA ALUMINUM, SHEETED WITH AVERY WHITE PC500-101-0 VINYL
IF WOOD IS USED, THE SIGN SHALL BE 3/4" MDO, 1 SIDE PREPRIMED WITH FACE \& EDGES PAINTED WITH SHERWIN WILLIAMS

| Dark Brown Vinyl - Avery (UC-900-995-0) / Swis 721 EX BD:Project |  |
| :---: | :---: |
|  |  |
| Black Opaque Vinyl - Avery (PC-500-190-0) / Arial Bold: <br> OUNTY, SSISTANCE, OAD, YSTEM <br> Jointly Funded By <br> JOHNSON COUNTY, KANSAS <br> AND <br> THE CITY OF OVERLAND PARK <br> COUNTY COMMISSIONERS |  |
|  |  |
|  | Cardinal Red Opaque Vinyl - Avery (HP-700-430-0) / Arial Bold: WORKING TO CONNECT OUR COMMUNITIES |
| Vibrant Blue - Avery HP-700-608-0): Johnson County Logo Background |  |
|  |  |
| Dark Brown - Avery (UC-900-995-0): unflower Center |  |
|  | ow - Avery (UC-900-240-0): Sunflower |
















[^0]:    Note: Summary of Povement Markings is shown for information only.
    Summory of Pavement Markings is shown for
    Pavement Morking is bid os a lump sum item.

