functional classification - interstate
NO RIGHT OF WAY IS REQUIRED

CONVENTIONAL SYMBOLS
(USED IN PLANS)

LOCATIIN SURVE
UTALITIES
FIER OPIICS
FIIER OPTIICS
OVERHAD TELEHONE
UERERGROUEL TELEPHONE UNDERGROUNDEELEP
OVEREGO PWER
UNOERCROUNO POWER
UNOER
GAS
WATER
N
MANHOLE
ire hyorant
vater valve
water meter
Rop inlet
оıTCH вLock
cround mounted sign
LICHT POLE
-frame power pole
CHE IN LINK
WOVEN WIRE
WHE
WOVEN WIRE
GATE POST
enchma


MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
PLANS FOR PROPOSED STATE HIGHWAY













| SLOPE PROTECTION |  |  |  |
| :---: | :---: | :---: | :---: |
| LOCATION | SY | REMARKS |  |
| NE CORNER BRIIOCE LO936 | 4 | REPAIR EXIST TNG SLOPE PROTECTION |  |
| TOTAL | 4 |  |  |
|  |  |  |  |


| MODIFIED C | COLDMILLING (DEPTH TRANSITIONS) |  |
| :---: | :---: | :---: |
|  | $\begin{gathered} \text { MODIFIED } \\ \text { COLDMILLING } \end{gathered}$ |  |
| BRIDGE LOCATS North end | SY | $\frac{\text { REMARKS }}{\text { MATCH ADJACENT }}$ BRIDGE OVERLAY |
|  | 446.0 | MATCH ADJACENT BRIDCE |
| $\frac{\text { Brioge }}{\text { TOTAL }}$ |  | MATCH AJJACENT BRIDEE OVERLAY |



| CL |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PLAN SHEET | LOCATION | SIDE | $\begin{array}{\|c\|} \hline \text { REPAIR TYPE } \\ \text { S CURB } \\ \text { LF } \end{array}$ |  | BUILD TYPE F CURB LF | REMARKS |
| - | OLD 6TH ST | WEST | 20 |  |  | NORTH OF NEW CURB RAMP |
| 4 | admi ral blvo | SOUTH |  | 73.8 |  | Around new Island |
| 4 | ON RAMP TO I-70 | EAST |  |  | 16.0 | Can be integral with truck apron. includes 5' trans ition to existing curb |
| 4 | admiral blvo | SOUTH |  |  | 13.0 | between new curb ramp and drop inlet. Can be integral with truck apron |
| 4 | ADMIRaL BLVD | SOUTH |  | 19.5 |  | From new Truck apron to west brioce end, includes $5^{\prime}$ ' TRansition from type F Curb |
| 4 | ADMIRaL BLVD | NORTH | 14 |  |  | from new Curb ramp to west bridge end |
| 5 | ADMIRaL BLVD | SOUTH |  | 27 |  | FROM THE EAST Bridge end to new Truck apron, inlcudes $5^{\prime}$ trans it ion to new Curb ramp |
| 5 | OFF RAMP FROM US-71 | WEST |  |  | 36 | Can be integral with truck apron, includes $5^{\prime}$ transition to existing curb |
| 5 | admiral blvo | NORTH |  | 24 |  | Behind new Curb ramp and landing on nw corner of admiral and us-24 Ramp |
| 5 | ADMIRAL BLVD | NORTH |  | 4.5 |  | BEtWEEN CRossings of the new Landing at nw Corner of admiral and us-24 Ramp |
| 5 | RAMP TO US-24 | EAST |  | 14 |  | From new Curb ramp to existing, match existing |
| 5 | ADMIRAL BLVD | NORTH |  | 8 |  | NW Corner of admiral blvo and entrance |
|  |  | TOTAL |  |  | 65 |  |










ROUTE 7





## Sign Spacing, Device Spacing, Channelizing Taper Lengths And Recommended Maximum Speed Reductions

| TAPER LENGTHS AND SPACINGOF CHANNELIZING DEVICES |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\underset{\text { MPH }}{\substack{\text { SPEED }}}$ | $\begin{gathered} \text { MINIMUM } \\ \text { TAPER LENGTHS (L) } \\ \text { FOR LANE WIDTHS (W) } \end{gathered}$ |  |  | MINIMUMTAPERSHOULDER(T1) | MAXIMUM CHANNELIZER SPACING |  |
|  |  |  |  |  | THROUGH WORK AREA |
| 0-35 | 205 FT | 225 FT | 245 FT |  | 70 | 35 FT | 50 FT |
| 40-45 | 450 FT | 495 FT | 540 FT | 150 | 40 FT | 100 FT |
| 50-55 | 550 FT | 605 FT | 660 FT | 185 | 50 FT | 100 FT |
| 60-70 | 700 FT | 770 FT | 840 FT | 235 | 60 FT | 100 FT |

## taper length (L)

L = W X P FOR 40 MPH OR MORE
$L=\frac{W P^{2}}{60}$ FOR 35 MPH OR LESS
L = TAPER LENGTH IN FEET
$P=$ POSTED SPEED PRIOR TO ROAD WORK IN MPH

| LONGITUDINAL BUFFER SPACE |  |
| :---: | :---: |
| SPEED (P) <br> MPH | BUFFER <br> SPACE <br> (FEET) |
| $0-35$ | 250 |
| $40-45$ | 360 |
| $50-55$ | 495 |
| $60-70$ | 730 |


| SIGN SPACING FOR ADVANCE SIGN SERIES (1) (2) |  |  |
| :---: | :---: | :---: |
| SPEED (P) <br> MPH | NON-DIVIDED <br> HIGHWAYS (S) | DIVIDED <br> HIGHAYS (S) |
| $0-35$ | 200 FT | 200 FT |
| $40-45$ | 350 FT | 500 FT |
| $50-55$ | 500 FT | 1000 FT |
| $60-70$ | SA-1000 FT, SB-1500 FT, SC-2640 FT $\times x$ |  |

$\times x$ THE SA DIMENSION IS THE DISTANCE FROM THE TRANSITION OR POINT OF RESTRICTION TO THE FIRST SIGN.
the sb dimension is the distance between the first and second signs the sc dimension is the distance between the second and third signs THE "FIRST SIGN" IS THE SIGN IN A THREE-SIGN SERIES THAT IS CLOSEST TO HE TEMPORARY TRAFFIC CONTROL ZONE. THE "THIRD SIGN" IS THE SIGN THA S FURTHEST UPSTREAM FROM THE TEMPORARY TRAFFIC CONTROL ZONE) NOTES:
DIMENSIONS IN FEET UNLESS OTHERWISE NOTED.
(1) SPACING BETWEEN SIGNS AND SPACING BETWEEN LAS SIGN AND FLAGGER, BEGINNING OF TAPER, OR SIGNED CONDITION
(2) SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS

| EPG TABLE 616.29 RECOMMENDED MAXIMUM SPEED REDUCTIONS |  |
| :---: | :---: |
| ACTIVITY <br> OR MATERIAL) LOCATION | (I.E. WORKERS, EQUIPMENT <br> REDUCTION (WHEN APPLICABLE $)$ |
| 10 FT. BEYOND EDGE OF TRAVELWAY <br> TO EDGE OF RIGHT OF WAY | NO SPEED REDUCTION |
| IN TRAFFIC LANE OR WITHIN 10FT. <br> OF THE TRAFFIC LANE | 10 MPH |
| HEAD-TO-HEAD ON MULTILANE | 10 MPH |

SPECIAL CIRCUMSTANCES WITHIN A TEMPORARY TRAFFIC CONTROL WORK ZONE MAY WARRANT A LOWER SPEED LIMIT THAN RECOMMENDED ABOVE. ALL SPEED Limit reductions greater than 10 mph Shall be documented, submitted TO AND APPROVED BY THE DISTRICT WORK ZONE COORDINATOR.

## GENERAL NOTES

1. SEE Standard plan 616.10 for details AND ITEMS NOT SHOWN
2. Existing signs shall be covered during WORKING HOURS ONLY IF IN CONFLICT WITH TRAFFIC CONTROL PLANS.
3. no direct payment will be made for relocating. covering. uncovering or removing signs.
4. LOCATE FLASHing arrow panel at beginning of





















































General Notes:
Design Specifications:

Miscell oneous:
In order to mointoing grode ond a minimum thickness of over lay
as shown on plans it may be necessary to use odditional


Roadway surfacing odjacent to bridge ends shall match new
Out I ine of old work is indicated by I ight dashed I ines. Heavy
lines indicate new work.
Controctor shall verify all dimensions in field before ordering
new material.
 Traffic Handi ing:
Traffic to be maintained on structure dur ing construction.
See sheet No. 2 for Details Showing Staged Construction.

| Item |  | Total |
| :---: | :---: | :---: |
| Scarification of Bridge Decks | sa. yard | 543 |
| Removal of Concrete Wearing Surface | sa. foot | 7754 |
| Polyester Polymer Concrete Overlay | sq. yord | 1405 |
| Repairing Concrete Deck (Half-Soling) | sq. foot | 1250 |
| Clean and Epoxy Seal | sq. foot | 882 |
| conduit system on structure | Iump sum | 1 |
|  |  |  |
|  |  |  |



HALF-SOLED REPAIR (WIDENED DECK)
TYPICAL SECTION THRU EXISTING SLAB
(2) One inch vertical side shal be establi shed
(3) 1" (min.) Polyester Polymer Concrete Over lay.


PART SECTION AT
LONGITUDINAL CONSTRUCTION JOINT SHOWING LIMITS OF EPOXY SEAL
(See Sec 704)
ncture)

half-soled repair (original deck)
(1) Remove existing wearing surface plus $\frac{t^{\prime \prime}}{4}$ of existing deck.
(2) One inch vertical side shal be establi shed
(3) $2 \frac{1}{2}{ }^{\prime \prime}$ (Min.) Polyester Polymer Concete Overlay.


STAGE 1 CONSTRUCTION

stage 2 construction


















