

STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF PROPOSED STATE HIGHWAY FEDERAL AID PROJECT NO. HSIP-0008-02(105)

U.S. HWY. 49 BETWEEN 1.5 MILES NORTH OF FORREST CO. LINE AND MOUNT OLIVE BYPASS COVINGTON COUNTY

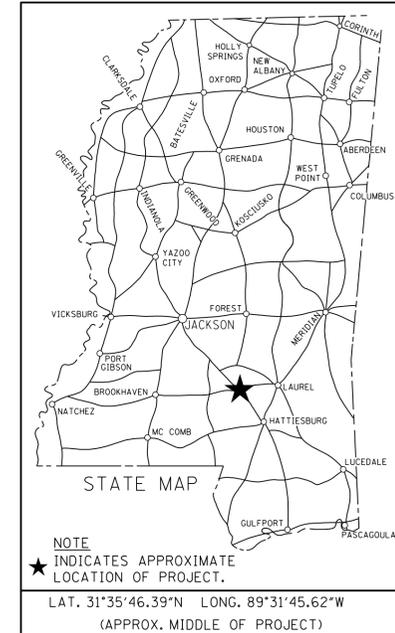
FMS CONST. 107181 /301000

SCALES
 PLAN 1 IN. = 100 FT.
 PROFILE { HOR. 1 IN. = 100 FT.
 VERT. 1 IN. = 10 FT.
 LAYOUT 1 IN. = 10,000 FT.

GENERAL INDEX

INCLUDED THIS PROJECT	BEGIN WITH SHEET
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<input checked="" type="checkbox"/> ROADWAY STANDARD DWGS ..	6001
<input checked="" type="checkbox"/> BRIDGE STANDARD DWGS	7001
<input checked="" type="checkbox"/> BRIDGE	8001
<input checked="" type="checkbox"/> CROSS SECTIONS	9001

STATE	PROJECT NUMBER	SHEET NO.
MISSISSIPPI	HSIP-0008-02(105)	1



BRIDGE STRUCTURES REQ'D.

BOX BRIDGES REQ'D.

BEGINNING OF PROJECT
 STA. 516+96 - US HIGHWAY 49

GPS CONTROL NOTES (SOUTH SEGMENT)
 (B.O.P. TO COLLINS)

HORIZONTAL DATUM:	MS EAST ZONE (US SURVEY FEET)	
HORIZONTAL MONUMENT	NORTH	EAST
BV0624	681756.44	820563.40
AJ7808	786483.63	756406.57
AA6286	762816.40(SPC MS W)	2429241.09(SPC MS W)

VERTICAL DATUM:	(US SURVEY FEET)	
VERTICAL MONUMENT	ELEVATION	
49V240	186.280	

ALL AZIMUTHS AND DISTANCES ARE GRID VALUES, US SURVEY FEET

CONVERSION VALUES	PROJECT AVERAGE
GROUND TO GRID (COMBINED) FACTOR	0.999988584
GRID TO GEODETIC AZIMUTH	-00° 20' 21"

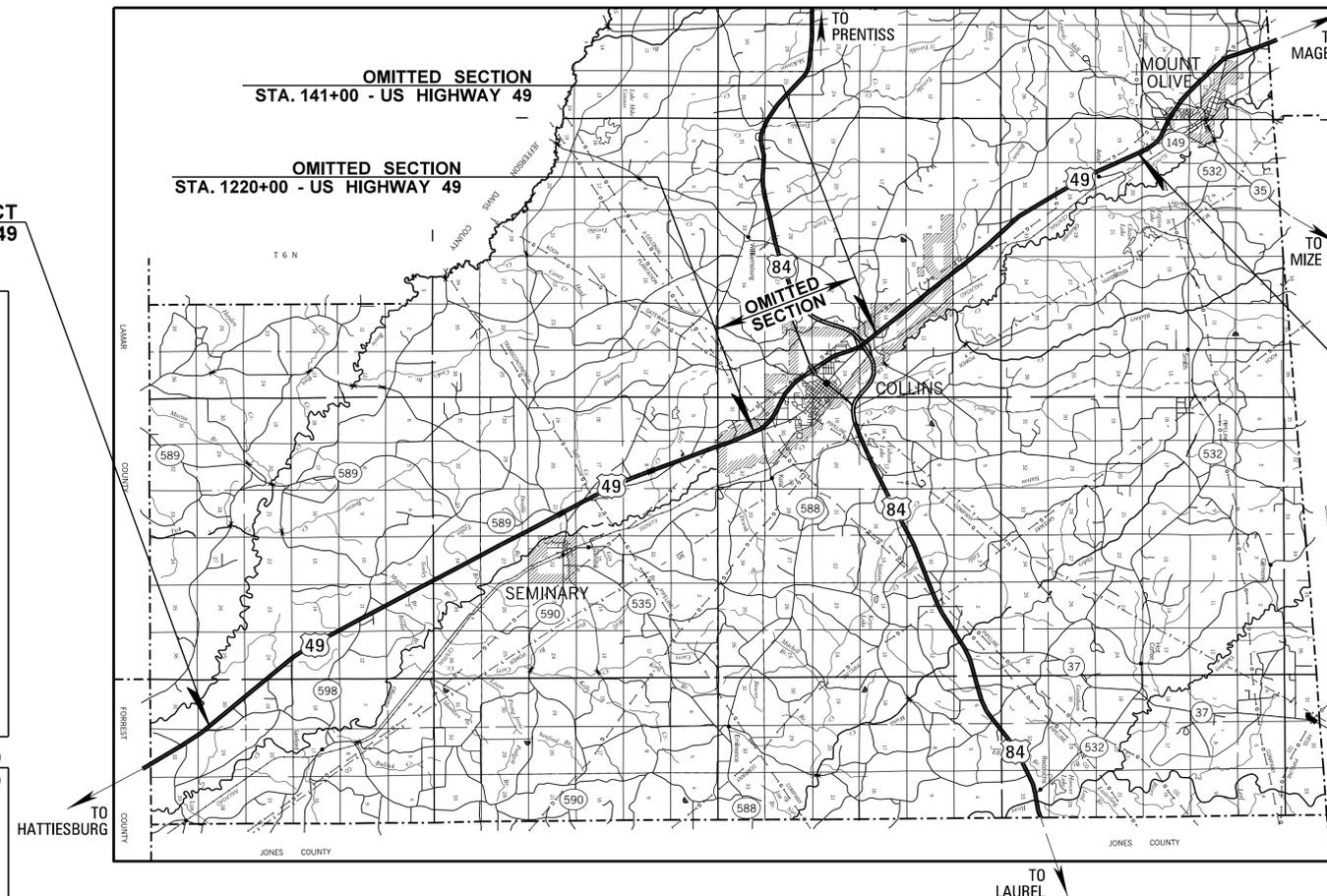
GPS CONTROL NOTES (NORTH SEGMENT)
 (COLLINS TO E.O.P.)

HORIZONTAL DATUM:	MS EAST ZONE (US SURVEY FEET)	
HORIZONTAL MONUMENT	NORTH	EAST
AJ7808	786483.630	756406.570
BV1717	846849.120	713597.680
AA6286	762816.40(SPC MS W)	2429241.09(SPC MS W)

VERTICAL DATUM:	(US SURVEY FEET)	
VERTICAL MONUMENT	ELEVATION	
49V259	291.715	

ALL AZIMUTHS AND DISTANCES ARE GRID VALUES, US SURVEY FEET

CONVERSION VALUES	PROJECT AVERAGE
GROUND TO GRID (COMBINED) FACTOR	1.00000592
GRID TO GEODETIC AZIMUTH	-00° 24' 25"



EQUATIONS

STA. 1253 + 73.44 =	STA. 1254 + 44.64	-41.20'
STA. 1397 + 55.71 =	STA. 140 + 00.00	+125,755.71'
TOTAL		+125,714.51'

LENGTH DATA

LENGTH OF ROADWAY	124,718. FT.	23.621 MI.
LENGTH OF BRIDGES	1,253 FT.	0.237 MI.
LENGTH OF PROJECT (NET)		23.384 MI.
LENGTH OF EXCEPTIONS	17,814 FT.	3.374 MI.
LENGTH OF PROJECT (GROSS)		20.010 MI.

EXCEPTIONS

STA. 1220 + 00 TO STA. 141 + 00 17,814.71'

EROSION CONTROL PLANS

ROADWAY PLANS



DESIGN CONTROL
 65 MPH = V (SPEED DESIGN)

ADT (2016) = 24000 ; ADT (2036) = 36000
 DHV = 4000 ; D = 50 % T = 20 %

PERMITS ACQUIRED BY MDOT

WETLANDS AND WATERS PERMITS (NECESSARY FOR ULTIMATE IMPROVEMENTS ONLY):

	WATERS	WETLANDS
NATIONWIDE #14	<input type="checkbox"/>	<input type="checkbox"/>
NATIONWIDE (OTHER)*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
GENERAL*	<input type="checkbox"/>	<input type="checkbox"/>
INDIVIDUAL (404)*	<input type="checkbox"/>	<input type="checkbox"/>

* ACQUISITION OF PERMITS FOR TEMPORARY IMPACTS DURING CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR

STORMWATER PERMIT	
Y REQUIRED, CNOI SUBMITTED BY MDOT (DISTURBED AREA = 5 ACRES)	<input checked="" type="checkbox"/>
S REQUIRED, CNOI TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES)	<input type="checkbox"/>
N NO STORMWATER PERMIT REQUIRED (<1 ACRE)	<input type="checkbox"/>

APPROVED BY: _____

P S & E DATE: 05 /31 /16

APPROVED: _____
 DEPUTY EXECUTIVE DIRECTOR / CHIEF ENGINEER

 EXECUTIVE DIRECTOR



5/31/2016 1:41:28 PM E:\DGN TITLE DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DESCRIPTION OF SHEET

STATE	PROJECT NO.
MISS.	HSIP-0008-02(105)

PLAN & PROFILE SHEETS (CONT'D.)

DESCRIPTION	WKG. NO.	SH. NO.
US HIGHWAY 49 - STA. 135+00 TO STA. 152+00	WK27	76
US HIGHWAY 49 - STA. 152+00 TO STA. 182+00	WK28	77
US HIGHWAY 49 - STA. 182+00 TO STA. 212+00	WK29	78
US HIGHWAY 49 - STA. 212+00 TO STA. 242+00	WK30	79
US HIGHWAY 49 - SB RE-GRADE - STA. 217+00 TO STA. 232+00	WK30L	79.1
ABE LEE DRIVE - STA. 8+00 TO STA. 10+00	WK30A	80
PRICE LANE - STA. 16+16 TO STA. 20+00	WK30B	81
US HIGHWAY 49 - STA. 242+00 TO STA. 272+00	WK31	82
OAK HILL BOULEVARD - STA. 8+00 TO STA. 10+00	WK31A	83
US HIGHWAY 49 - STA. 272+00 TO STA. 302+00	WK32	84
ROCK HILL ROAD - STA. 8+00 TO STA. 10+00	WK32A	85
US HIGHWAY 49 - STA. 302+00 TO STA. 332+00	WK33	86
US HIGHWAY 49 - STA. 332+00 TO STA. 362+00	WK34	87
ROGERS CUTOFF ROAD - STA. 8+00 TO STA. 10+00	WK34A	88
US HIGHWAY 49 - STA. 362+00 TO STA. 392+00	WK35	89
US HIGHWAY 49 - STA. 392+00 TO STA. 422+00	WK36	90
KAY LANE - STA. 8+00 TO STA. 10+00	WK36A	91
US HIGHWAY 49 - STA. 422+00 TO STA. 452+00	WK37	92
US HIGHWAY 49 - STA. 452+00 TO STA. 482+00	WK38	93
US HIGHWAY 49 - STA. 482+00 TO STA. 507+00	WK39	94

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INTERSECTION DETAIL - US HWY 49 AT JC GANDY ROAD	ID-3	97
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OMITTED SHEETS 115-165

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DESCRIPTION OF SHEET

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ROADWAY PLANS



REVISION		DATE		BY	

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
DETAILED INDEX	
COUNTY: COVINGTON	WORKING NUMBER
PROJ. NUM.: HSIP-0008-02(105)	DI-2
FILENAME: DI.DGN	SHEET NUMBER
DESIGN TEAM: NS	3

5/31/2016 1:41:49:09 DI.DGN

STATE	PROJECT NO.
MISS.	HSIP-0008-02(105)

DESCRIPTION OF SHEET

PAVEMENT MARKING DETAILS (40)

DESCRIPTION	WKG. NO.	SH. NO.
PAVEMENT MARKING DETAILS - US HIGHWAY 49 - STA. 508+00 TO STA. 534+00	PMD-1	223
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EROSION AND SEDIMENT CONTROL PLANS (74)

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DESCRIPTION OF SHEET

EROSION AND SEDIMENT CONTROL PLANS (CONT'D.)

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EROSION CONTROL PLANS

ROADWAY PLANS



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PROJ. NUM.: HSIP-0008-02(105)	DI-3
FILENAME: DI.DGN	SHEET NUMBER
DESIGN TEAM: NS	4

5/31/2016 1:41:28:17 DI.DGN

STATE	PROJECT NO.
MISS.	HSIP-0008-02(105)

DESCRIPTION OF SHEET

WKG. NO.
SH. NO.

DESCRIPTION OF SHEET

WKG. NO.
SH. NO.

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PERMANENT SIGNING PLAN - STA. 673+00 TO STA. 701+00	PSP-7	1007
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EROSION CONTROL PLANS

ROADWAY PLANS



MISSISSIPPI DEPARTMENT OF TRANSPORTATION							
DETAILED INDEX							
<table border="1"> <tr> <th>DATE</th> <th>REVISION</th> <th>BY</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	DATE	REVISION	BY				COUNTY: COVINGTON PROJ. NUM.: HSIP-0008-02(105) FILENAME: DI.DGN DESIGN TEAM: NS CHECKED: DATE:
DATE	REVISION	BY					
WORKING NUMBER DI-4							
SHEET NUMBER 5							

5/31/2016 1:41:28:17 DI.DGN MISSISSIPPI DEPARTMENT OF TRANSPORTATION

1st O.REV.

GENERAL INDEX

INCLUDED THIS PROJECT	BEGIN WITH SHEET
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<input checked="" type="checkbox"/> TRAFFIC SIGNALS	2001
<input type="checkbox"/> ITS COMPONENTS	3001
<input type="checkbox"/> LIGHTING	4001
<input type="checkbox"/> (RESERVED)	5001
<input checked="" type="checkbox"/> ROADWAY STANDARD DWGS ..	6001
<input checked="" type="checkbox"/> BRIDGE STANDARD DWGS	7001
<input type="checkbox"/> BRIDGE	8001
<input checked="" type="checkbox"/> CROSS SECTIONS	9001

**BRIDGE STRUCTURES REQ'D.
NONE**

**BOX BRIDGES REQ'D.
NONE**

GPS CONTROL NOTES

HORIZONTAL DATUM:	MS EAST ZONE (US SURVEY FEET)	
HORIZONTAL MONUMENT	NORTH	EAST
104989-CP3	773084.06	763804.145

VERTICAL DATUM:	(US SURVEY FEET)	
VERTICAL MONUMENT	ELEVATION	
104989-CP3	294.993	

ALL AZIMUTHS AND DISTANCES ARE GRID VALUES, US SURVEY FEET
CONVERSION VALUES PROJECT AVERAGE
 GROUND TO GRID (COMBINED) FACTOR 0.999995662
 GRID TO GEODETIC AZIMUTH (-) 0° 22' 16.91123"

STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY
FEDERAL AID PROJECT NO. NH-0008-02(096)**

**US 49 INTERSECTION IMPROVEMENTS AT KOLA ROAD,
W. FRONTAGE ROAD, AND FIR ST.
COVINGTON COUNTY**

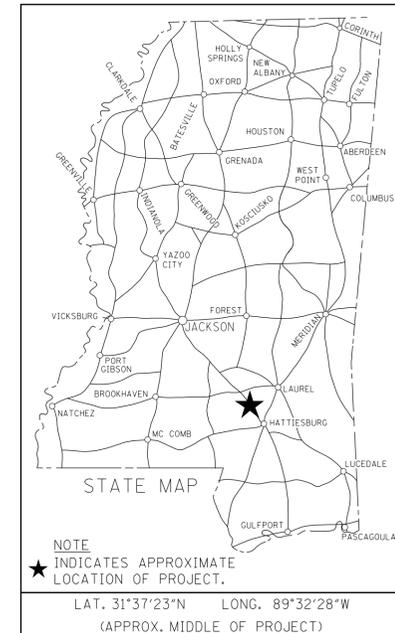
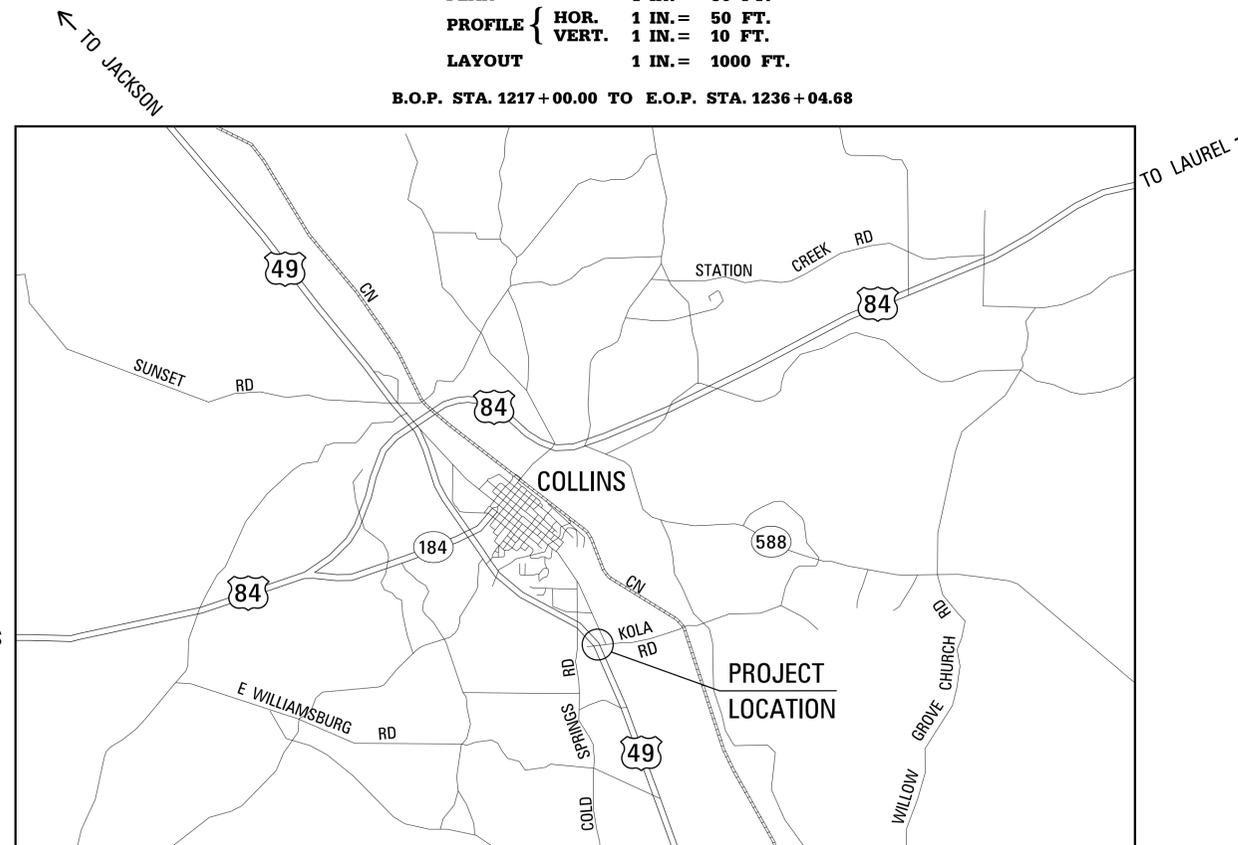
CONST 105778/301000

MDOT EAST ZONE

SCALES

PLAN 1 IN. = 50 FT.
 PROFILE { HOR. 1 IN. = 50 FT.
 VERT. 1 IN. = 10 FT.
 LAYOUT 1 IN. = 1000 FT.

B.O.P. STA. 1217+00.00 TO E.O.P. STA. 1236+04.68



DESIGN CONTROL

60 MPH = V (SPEED DESIGN)
 ADT (2013) = 23600 ; ADT (2033) = 37900
 DHV = 4100 ; D = 50% T = 10%

PERMITS ACQUIRED BY MDOT

WETLANDS AND WATERS PERMITS (NECESSARY FOR ULTIMATE IMPROVEMENTS ONLY):		
	WATERS	WETLANDS
NATIONWIDE #14	<input type="checkbox"/> N	<input type="checkbox"/> N
NATIONWIDE (OTHER)*	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
GENERAL*	<input type="checkbox"/> N	<input type="checkbox"/> N
INDIVIDUAL (404)*	<input type="checkbox"/> N	<input type="checkbox"/> N

* ACQUISITION OF PERMITS FOR TEMPORARY IMPACTS DURING CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR

STORMWATER PERMIT	
Y	REQUIRED, SCNOI SUBMITTED BY MDOT (DISTURBED AREA = 5 ACRES)
S	REQUIRED, SCNOI TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES)
N	NO STORMWATER PERMIT REQUIRED (<1 ACRE)

APPROVED BY: _____

EQUATIONS

1217 + 12.84 BK = 1217 + 00.00 AH
 1235 + 02.19 BK = 1235 + 14.88 AH

LENGTH DATA

LENGTH OF ROADWAY	1891.99 FT.	0.358 MI.
LENGTH OF BRIDGES	0.00 FT.	0.00 MI.
LENGTH OF PROJECT (NET)		0.358 MI.
LENGTH OF EXCEPTIONS	0.00 FT.	0.00 MI.
LENGTH OF PROJECT (GROSS)		0.358 MI.

EXCEPTIONS



HDR | ICA ENGINEERING

P S & E DATE: 4-13-16

APPROVED: _____

DEPUTY EXECUTIVE DIRECTOR / CHIEF ENGINEER

EXECUTIVE DIRECTOR



6/14/2016 1:51:09 PM B.L.E.-DGN

DESCRIPTION OF SHEET

REVISION DATE WKG. NO. SH. NO.

TITLE SHEET (1)

DETAILED INDEX & GENERAL NOTES (3)

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DETAILED INDEX
GENERAL NOTES

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DI-2 3
GN-1 4

TYPICAL SECTION SHEETS (7)

US 49
US 49
US 49
KOLA RD
KOLA RD
W FRONTAGE
E FRONTAGE /FIR ST

TS-1 5
TS-2 6
TS-3 7
TS-4 8
TS-5 9
TS-6 10
TS-7 11

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SUMMARY OF QUANTITIES - (ROADWAY)
SUMMARY OF QUANTITIES - (ROADWAY)
SUMMARY OF QUANTITIES - (ROADWAY)
ESTIMATED QUANTITIES - (REMOVAL)
ESTIMATED QUANTITIES - (ROADWAY)
ESTIMATED QUANTITIES - (ROADWAY)
ESTIMATED QUANTITIES - (STANDARD ROADSIDE SIGN)
ESTIMATED QUANTITIES - (DIRECTIONAL SIGN ASSEMBLIES)
ESTIMATED QUANTITIES - (BOX CULVERT)
ESTIMATED QUANTITIES - (TRAFFIC CONTROL SIGNS)

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SQ-2 13
SQ-3 14
EQ-1 15
EQ-2 16
EQ-3 17
EQ-4 18
EQ-5 19
EQ-6 20
EQ-7 21

CULVERT HYDRAULIC DESIGN SUMMARY

HD-1 22

PLAN & PROFILE SHEETS (8)

US 49 NORTH BOUND
US 49 SOUTH BOUND
KOLA RD
KOLA RD
W FRONT
E FRONT /FIR ST
US 49 NORTH BOUND
US 49 SOUTH BOUND

3RT 23
3LT 24
3A 25
3B 26
3C 27
3D 28
4RT 29
4LT 30

SPECIAL DESIGN SHEETS (65) [△]

CONSTRUCTION SIGNING DETAIL ADVANCE WARNING SIGNS
DETOUR PLANS
TEMPORARY PAVEMENT MARKING
TEMPORARY PAVEMENT MARKING
TRAFFIC CONTROL - PHASE 1
TRAFFIC CONTROL - PHASE 2
TRAFFIC CONTROL - PHASE 3
TRAFFIC CONTROL - PHASE 4
TRAFFIC CONTROL - PHASE 5
TRAFFIC CONTROL - PHASE 6
TRAFFIC CONTROL - PHASE 6 & 7

TRAFFIC CONTROL - DRUM PLACEMENT & SHOULDER CLOSURE DETAILS
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FORM GRADE
FORM GRADE

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DET-1 32
TPMD-1 33
TPMD-2 34
TC-1-1 35
TC-2-1 36
TC-3-1 37
TC-4-1 38
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TC-6-1 40
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FG-2 46

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PAVEMENT MARKINGS DETAILS

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PRELIMINARY EROSION CONTROL PLANS - US 49 SOUTH BOUND
PRELIMINARY EROSION CONTROL PLANS - KOLA RD
PRELIMINARY EROSION CONTROL PLANS - KOLA RD
PRELIMINARY EROSION CONTROL PLANS - W FRONT
PRELIMINARY EROSION CONTROL PLANS - E FRONT /FIR ST
PRELIMINARY EROSION CONTROL PLANS - US 49 NORTH BOUND
PRELIMINARY EROSION CONTROL PLANS - US 49 SOUTH BOUND

EROSION CONTROL DETAILS - TYPICAL TEMPORARY EROSION /SEDIMENT CONTROL APPLICATIONS
EROSION CONTROL DETAILS - DETAILS OF SEDIMENT BARRIER APPLICATIONS
EROSION CONTROL DETAILS - DETAILS OF SILT FENCE INSTALLATION
EROSION CONTROL DETAILS - DITCH CHECK STRUCTURES, TYPICAL APPLICATIONS AND DETAILS
EROSION CONTROL DETAILS - TEMPORARY EROSION, SEDIMENT AND WATER POLLUTION CONTROL MEASURES, SILT FENCE AND HAY BALE DITCH CHECKS

EROSION CONTROL DETAILS - DETAILS OF EROSION CONTROL WATTLE DITCH CHECK
EROSION CONTROL DETAILS - DETAILS OF EROSION CONTROL SILT DIKE DITCH CHECK
EROSION CONTROL DETAILS - ROCK DITCH CHECK
EROSION CONTROL DETAILS - ROCK DITCH CHECK WITH SUMP EXCAVATION
EROSION CONTROL DETAILS - INLET PROTECTION TYPICAL APPLICATIONS AND DETAILS
EROSION CONTROL DETAILS - INLET PROTECTION DETAILS FOR COARSE AGGREGATE ON GRADES & SAGS
EROSION CONTROL DETAILS - INLET PROTECTION DETAILS OF WATTLES
EROSION CONTROL DETAILS - INLET PROTECTION DETAILS OF MANUFACTURED INLET PROTECTION DEVICE
EROSION CONTROL DETAILS - INLET PROTECTION DETAILS OF SAND BAG
EROSION CONTROL DETAILS - STABILIZED CONSTRUCTION ENTRANCE
EROSION CONTROL DETAILS - TEMPORARY CULVERT STREAM CROSSING
EROSION CONTROL DETAILS - TEMPORARY STREAM DIVERSION
EROSION CONTROL DETAILS - TEMPORARY STREAM DIVERSION (BOX EXTENSIONS)
EROSION CONTROL DETAILS - DETAILS OF EROSION CONTROL SANDBAG DITCH CHECK
EROSION CONTROL DETAILS - TEMPORARY STREAM DIVERSION
EROSION CONTROL DETAILS - TEMPORARY STREAM DIVERSION (BOX EXTENSIONS)
EROSION CONTROL DETAILS - DETAILS OF EROSION CONTROL SANDBAG DITCH CHECK

EROSION CONTROL DETAILS - DETAILS OF TYPICAL DITCH TREATMENTS
EROSION CONTROL DETAILS - DITCH TREATMENT INSTALLATION DETAIL FOR SOIL REINFORCING MAT
EROSION CONTROL DETAILS - EROSION CONTROL
EROSION CONTROL DETAILS - TYPICAL TEMPORARY EROSION CONTROL MEASURES (SLOPE DRAIN AND TYPE A SILT BASIN)
EROSION CONTROL DETAILS - TYPICAL TEMPORARY EROSION CONTROL MEASURES (TYPE B SILT BASIN)
EROSION CONTROL DETAILS - TYPICAL TEMPORARY EROSION CONTROL MEASURES (TYPE "D" SILT BASIN) (RIPRAP DIKE SILT BASIN)

RUMBLE STRIPES 4-LANE WITH FULL-WIDTH PAVED SHOULDERS (CONC. LANES, ASPH. SHLD)
SUPERELEVATION CASE 1 ROTATION ABOUT CENTERLINE (2% NORMAL SUBGRADE)

DRIVEWAYS, CURB & GUTTER & SIDEWALK
CURB & GUTTER AND ISLAND DETAILS
INLET CONVERSION COVER DETAIL

VEGETATION SCHEDULE - GRADE, DRAIN, & PAVING

BREAKAWAY SIGN SUPPORTS
TYPICAL INSTALLATION AND DETAILS OF DELINEATORS AND DISTANCE REFERENCE SIGNS

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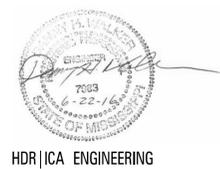
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△

PS&E PLANS PRINTED 04-13-16	
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DESCRIPTION OF SHEET	REVISION DATE	WKG. NO.	SH. NO.
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(MEDIAN LANE OR OUTSIDE LANE CLOSURE) (WORK DAY ONLY)			
SHORT DURATION CLOSING OF TWO-LANE TWO-WAY HIGHWAYS		TCP-8	6257 △
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TRAFFIC CONTROL PLAN MOBILE OPERATIONS MULTILANE ROADS AND TWO-LANE ROADS	12-01-99	TCP-11	6260
TRAFFIC CONTROL PLAN FOR TEMPORARY CONSTRUCTION CROSSOVER (WORK DAY ONLY)		TCP-13	6262
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DESCRIPTION OF SHEET	REVISION DATE	WKG. NO.	SH. NO.
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BRANCH CONNECTIONS		BC-1	6305
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TYPE I MEDIAN INLET (29" – 51" PIPE)		MI-1A	6307
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MEDIAN INLET FOR BOX CULVERTS (TYPE I & II)		MI-3	6311
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PAVED INLET APRON AND MEDIAN DITCH PLUG		PA-1	6318
FLARED END SECTION FOR CONCRETE PIPE		FE-1	6328
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MISCELLANEOUS ROADWAY DETAILS			
COLLAR DETAILS FOR BOX STRUCTURES (SINGLE, DOUBLE, TRIPLE & QUADRUPLE)		ICJ-1-97	7504 △
SKewed COLLAR DETAILS FOR BOX STRUCTURES (SINGLE, DOUBLE, TRIPLE & QUADRUPLE)		ICJS-1-97	7505 △
BASIC CULVERT DRAWING SINGLE CELL HEIGHTS 6 FT. SPANS 6-20 FT.		IBS-6-2W-97	7507 △
BASIC CULVERT DRAWING SINGLE CELL HEIGHTS 6 FT. SPANS 6-20 FT.		IBS-6-2W-97	7508 △
BASIC CULVERT DRAWING SINGLE CELL HEIGHTS 10 FT. SPANS 10-22 FT.		IBS-10-2W-97	7511 △
BASIC CULVERT DRAWING SINGLE CELL HEIGHTS 10 FT. SPANS 10-22 FT.		IBS-10-2W-97	7512 △
WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING SINGLE CELL HEIGHTS 6-12 FT. SPANS 6-24 FT.		IWS-3-97	7515 △
WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING SINGLE CELL HEIGHTS 6-12 FT. SPANS 6-24 FT.		IWS-3-97	7516 △
WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING SINGLE CELL HEIGHTS 6-12 FT. SPANS 6-24 FT.		IWS-3-97	7517 △
BOX CULVERT DRAWING 45° SKEW DETAILS WINGS WITH 3:1 SLOPE SINGLE & DOUBLE CELL CULVERTS		ISK-45-3W-97	7562 △
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WEST FRONTAGE RD.		9010-9013	
EAST FRONTAGE RD.		9014-9018	
PLAN SET TOTAL		173	△

6/20/2016 1:51:41.13 SEAL-DI.DGN



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