Appendix D

Alternative B

Summary Tables for Estimated Project Implementation Years, Construction and Right of Way Costs

Possible Project 1 Typical Section Sheets, Construction Phasing Sheets, Plan Profile Sheets & Construction Cost Estimate Sheets

Possible Project 2 Typical Section Sheets, Construction Phasing Sheets, Plan Profile Sheets & Construction Cost Estimate Sheets

Possible Project 3 Typical Section Sheets, Construction Phasing Sheets, Plan Profile Sheets & Construction Cost Estimate Sheets

Possible Project 4 Typical Section Sheets, Construction Phasing Sheets, Plan Profile Sheets & Construction Cost Estimate Sheets

Possible Project 5 Typical Section Sheets, Construction Phasing Sheets, Plan Profile Sheets & Construction Cost Estimate Sheets

Possible Project 6 Typical Section Sheets, Construction Phasing Sheets, Plan Profile Sheets & Construction Cost Estimate Sheets

Possible Project 7 Typical Section Sheets, Construction Phasing Sheets, Plan Profile Sheets & Construction Cost Estimate Sheets

Possible Project 8 Typical Section Sheets, Construction Phasing Sheets, Plan Profile Sheets & Construction Cost Estimate Sheets

Alternative B

Summary Tables
for Estimated Project Implementation Years,
Construction and Right of Way Costs

ALTERNATIVE B POSSIBLE PROJECT IMPLEMENTATION PLAN [1]			
TYPE PROJECT	2009 PROJECT COST	IMPLEMENTATION YEAR	IMPLEMENTATION YEAR COST [6]
P.E. PROJECT (ROW AND FINAL PLANS FOR THE ENTIRE JOB)	$10,015,280 [2]	2012	$10,900,000
ROW PROJECT TO ACQUIRE NEW ROW FOR THE ENTIRE JOB	$8,852,506 [3]	2014	$10,300,000
CONSTRUCTION PROJECT ONE	$2,501,505 [5]	2014	$2,900,000
ROW PROJECT TO ADJUST UTILITIES FOR THE ENTIRE JOB	$2,003,056 [4]	2015	$2,400,000
CONSTRUCTION PROJECT TWO	$43,148,325 [5]	2020	$59,700,000
CONSTRUCTION PROJECT THREE	$9,951,100 [5]	2024	$15,500,000
CONSTRUCTION PROJECT FOUR	$23,524,231 [5]	2027	$40,000,000
CONSTRUCTION PROJECT FIVE	$12,094,621 [5]	2030	$22,500,000
CONSTRUCTION PROJECT SIX	$21,743,196 [5]	2033	$44,200,000
CONSTRUCTION PROJECT SEVEN	$58,278,168 [5]	2036	$129,500,000
CONSTRUCTION PROJECT EIGHT	$29,064,461 [5]	2040	$72,700,000
TOTAL 2009 AND IMPLEMENTATION YEAR COST ESTIMATES	$221,176,449	---	$410,600,000

Neel-Schaffer, Inc. 2010

Table 3-3 Superscript Notes:

(1) Alternative B has three-lane, one-way ultimate frontage roads. Alternative C has three-lane, two-way ultimate frontage roads. Alternative B and C have similar construction concepts and costs.

(2) The P.E. Project (ROW and Final Plans for the Entire Job) 2009 Cost represents: (a) the estimated costs for preparing the right of way plans for the entire job so that the right of way projects can be scheduled for acquiring the needed additional right of way and performing the adjustments of the impacted utilities; and, (b) the estimated costs for preparing the plans, specifications and estimates for the entire job so that the lettings of the construction projects can be scheduled. These costs were computed at five percent (5%) of the 2009 Construction Cost for all eight of the proposed construction projects needed for the ultimate completion of Alternative B (or .05 x $200,305,607 = $10,015,280). **Appendix D** contains the Alternative B 2009 cost estimate computations for the eight construction projects.

(3) The ROW Project to Acquire New Right of Way for the Entire Job 2009 Cost represents the appraisal and acquisition costs added to the right of way property and relocation costs for acquiring the new right of way for the entire job. The costs of providing the right of way appraisal and acquisition services were computed at one percent (1%) of the 2009 Construction Costs for all eight of the proposed construction projects needed for the ultimate completion of Alternative B (or .01 x $200,305,607 = $2,003,056). **Appendix D** contains the Alternative B 2009 cost estimate computations for the eight construction projects. **Appendix D** also contains the estimated right of way cost computations of $6,909,650 for acquiring the land and impacted property improvements that are located on the land – such as residences, businesses and outdoor advertising signs. Therefore, $2,003,056 plus $6,849,450 or $8,852,506 is the assumed 2009 cost for this ROW project.

(4) The ROW Project to Adjust Utilities for the Entire Job 2009 Cost represents the cost to the MDOT of adjusting impacted utilities located on the additional right of way needed for the entire job. These costs were computed at one percent (1%) of the 2009 Construction Costs for all eight of the proposed construction projects needed for the ultimate completion of Alternative B (or .01 x $200,305,607 = $2,003,056). **Appendix D** contains the Alternative B cost estimate computations for the eight constructions projects. The $2,003,056 does not include the costs to the local jurisdictions of adjusting their impacted utilities.

(5) **Appendix D** contains the Alternative B cost estimate computations for the eight construction projects.

(6) The Preliminary Engineering (P.E.), Right of Way (ROW) and Construction Project Implementation Year Cost Estimates were obtained by projecting the 2009 estimated costs at 3% to the implementation year.

ALTERNATE B - ESTIMATED RIGHT OF WAY COSTS
FOR DEVELOPED ADJACENT PROPERTIES

Owner Information PPIN and Parcel Number	Map Number	General Location	Impacted Property is Undeveloped (X)	Impacted Property Contains a Residence (X)	Impacted Property Contains a Business (X)	Impacted Property is Non-Profit or Public (X)	Relocation of Residence or Business is Assumed (X)	Outdoor Advertising Sign is Impacted (X)	Overview of Impact	Appraised Value (if only value used for estimate)	Estimated Cost of Impact ($)	Miscellaneous Comments and/or Calculations
Harold M. May ETAL		US 61 South Interchange	X						Land only	$46,000	$57,500	Entire parcel is needed for new right of way.
PPIN - 013489		btw Iowa and ramps							for new			
Parcel 1081130-9999-000500		on north side of I-20							ROW			
Georgia and D. Boykins		North Frontage Road		X			X		Property	$84,530	$105,600	The residence requires relocation and all the residential property
560 North Frontage Road		South Side at the							for new			is needed for additional right of way
PPIN - 13490		US 61 South Interchange							ROW			
Parcel 1081129-9999-000600												
Cherrie Boykins McClelland		North Frontage Road		X			X		Property	$96,360	$120,500	The residence requires relocation and all the residential property
570 North Frontage Road		South Side at the							for new			is needed for additional right of way
PPIN - 13491		US 61 South Interchange							ROW			
Parcel 1081129-9999-000700												
Phoebe Jean Boykins Dixon		North Frontage Road	X						Land only	$9,000	$11,300	Entire undeveloped parcel is needed for new right of way.
PPIN - 013492		South Side at the							for new			
Parcel 1081126-9999-000800		US 61 South Interchange							ROW			
Georgia Boykins		North Frontage Road	X						Land only	$3,000	$3,800	Entire undeveloped parcel is needed for new right of way.
PPIN - 013493		South Side at the							for new			
Parcel 1081129-9999-000900		US 61 South Interchange							ROW			
Harold M. May ETAL		North Frontage Road	X						Land only	$2,500	$3,100	Entire undeveloped parcel is needed for new right of way.
c/o Ernest Thomas		South Side at the							for new			
PPIN - 013494		US 61 South Interchange							ROW			
Parcel 1081129-9999-001000												
Elizabeth M. Larr		North Frontage Road		X					Land only		$2,100	Approximately 9,900 square feet of adjacent property is needed
or Lisa McCollum ETAL		Relocation West End							for new			for right of way or 0.227 acre @ $7,500 per acre = $ 1,702
North Frontage Road		at the US 61 South							ROW			Use $ 2,100
PPIN - 013713		Interchange										
Parcel 1081229-9999-00020												
Freddie Jean Thompson		North Frontage Road		X			X		Property	$75,240	$94,100	The residence requires relocation and most of the property is
200 Capri Drive		Station 76+00 Left at the							for new			needed for additional right of way. An uneconomical remnant
PPIN - 013717		US 61 South Interchange							ROW			of property is estimated to remain. Estimate entire parcel needed.
Parcel 1081229-9999-000600												Approximately 38,000 square feet or .873 acres of 1.3 acre parcel
												is needed for new right of way.
David L. McDonald		North Frontage Road	X						Land only		$3,700	Some of the land advertised for sale will be needed for additional
PPIN - 013716		btw Thompson property							for new			right of way. Approximately 5,000 square feet or .115 acre @
Parcel 1081229-9999-000500		and River Region West							ROW			$ 26,000 per acre is $ 2,990 Use $ 3,700
		Campus										
Don Miller, Jr. ET AL		Southeast Quadrant			X				Land only		$300	Approximately 19,000 square feet of additional ROW is needed or
P.O. Box 822514		US 61 South Interchange							for new			.436 acres at $ 500 per acre is $ 218 Use $ 300
PPIN - 021820		& Southwest Quadrant							ROW			
Parcel 1081230-9999-002801		Halls Ferry Interchange										

ALTERNATE B - ESTIMATED RIGHT OF WAY COSTS
FOR DEVELOPED ADJACENT PROPERTIES

Owner Information PPIN and Parcel Number	Map Number	General Location	Impacted Property is Undeveloped (X)	Impacted Property Contains a Residence (X)	Impacted Property Contains a Business (X)	Impacted Property is Non-Profit or Public (X)	Relocation of Residence or Business is Assumed (X)	Outdoor Advertising Sign is Impacted (X)	Overview of Impact	Appraised Value (if only value used for estimate)	Estimated Cost of Impact ($)	Miscellaneous Comments and/or Calculations
Vicksburg Health Care LLC		North Frontage Road			X				Land only		$12,500	Approximately 5,800 square feet of adjacent property is
1111 I-20 No. Frontage Rd.		Relocation East End							for new			needed for right of way or .133 acre @ $ 75,000 per acre = $ 9,975
PPIN - 013703		at the US 61 South							ROW			use $ 12,500
Parcel 1087-29-9999-004900		Interchange										
Jack Fowler		South Frontage Road			X				Land for		$74,200	The lost access is related to the construction of the South Frontage
1405 South Frontage Road		Station 80+00 Right near							new ROW			Road intersection with the City of Vicksburg Maintained Frontage
PPIN - 013496		Halls Ferry Road							& Partial			near Halls Ferry Road. Approximately 14,000 square feet of
Parcel 1081328-0790-000100									Loss of			adjacent property is needed for right of way or .321 acre @
									Access			$ 87,122 per acre = $ 27,966 Use $ 35,000 and $ 39,200 for loss in
												access for total impact cost of $ 74,200
Cypress Centre Hotels LLC		South Frontage Road			X				Partial		$261,000	The lost access is related to the construction of the South Frontage
115 Cypress Centre Drive		Btw Station 81+00 Right							Loss of			Rd intersection with the City of Vicksburg Maintained Frontage Rd
PPIN - 013055		& Station 83+00 Right							Access			near Halls Ferry Rd and the first allowable access point to the east.
Parcel 1088-28-9999-013500												No adjacent property is needed for right of way. Their primary
												access is from Cypress Centre Drive. Lost access is estimated at
												0.25 of appraised land value = .25 x $ 1,044,130 = $ 261,032
												Use $ 261,000
Tate Street Development LLC		South Frontage Road			X				Partial		$130,900	The lost access is related to the construction of the South Frontage
105 Cypress Centre Drive		Btw Station 83+00 Right							Loss of			Rd intersection with the City of Vicksburg Maintained Frontage Rd
PPIN - 029280		& Station 86+50 Right							Access			near Halls Ferry Rd and the first allowable access point to the east.
Parcel 1088-28-9999-013202									& Land			The property retains the access from Cypress Centre Drive
									for New			Use .50 of appraised land value for cost impact or .5 x $ 206,910
									ROW			is $ 103,455 Use $ 103,500 for loss of access. Need 5,000 square
												feet of land for new right of way or .115 acres @ $ 21,930 per acre
												is $ 21,930 Use $ 27,400 Total Impact is $ 103,500 plus $ 27,400
												or $ 130,900
DPS Association		South Frontage Road			X				Change in		$0	Shopping center can coordinate restriping of parking lot and
PPIN - 013045		Btw Station 91+60 Right							Access			reconfiguration of drives with the interstate reconstruction. The
Parcel 1088-28-1010-012500		& Station 97+00 Right										access benefits that the circulation bridge provides do not warrant
												paying any damages to the shopping center.
Three W		North Frontage Road			X				Land only		$5,000	Approximately 840 square feet of adjacent property is needed
formerly		in Northeast Quadrant							for new			for right of way or .019 acre @ $ 208,111 per acre = $ 3,954
Halls Ferry LLC		of Halls Ferry Road							ROW			use $ 5,000
PPIN - 013040		Intersection										
Parcel 1088-28-9999-012000												
Vicksburg Printing and		North Frontage Road			X				Frontage		$103,600	Approximately 13,800 square feet of adjacent property is needed
Publishing Company Inc.		Station 85+00 Left near							for new			for right of way or .317 acre @ $ 261,360 per acre = $ 82,851
1601 North Frontage Road		Halls Ferry Road							ROW			Use $ 103,600
PPIN - 013041												
Parcel 1088-28-9999-012100												
Johnny Jabour		North Frontage Road							No		$0	
PPIN - 013042		Station 90+00 Left							Expected			
Parcel 1088-28-9999-012200									Impact			

ALTERNATE B - ESTIMATED RIGHT OF WAY COSTS
FOR DEVELOPED ADJACENT PROPERTIES

Owner Information PPIN and Parcel Number	Map Number	General Location	Impacted Property is Undeveloped (X)	Impacted Property Contains a Residence (X)	Impacted Property Contains a Business (X)	Impacted Property is Non-Profit or Public (X)	Relocation of Residence or Business is Assumed (X)	Outdoor Advertising Sign is Impacted (X)	Overview of Impact	Appraised Value (if only value used for estimate)	Estimated Cost of Impact ($)	Miscellaneous Comments and/or Calculations
Ravi Jobi		North Frontage Road							No		$0	
PPIN - 021511		Station 91+00 Left							Expected			
Parcel 1088-28-9999-012201									Impact			
ARMADA Inc.		North Frontage Road							No land		$0	The access improvments provided by the circulation bridge do
d.b.a. Big Wheelie		Station 91+50 Left at							needed			not warrant paying any damages. The property will probably be
1729 North Frontage Road		Western Frontage Road							for ROW			redeveloped to coincide with the interstate reconstruction and
PPIN - 013043		Circulation Bridge to										the improved access provided by the circulation bridge.
Parcel 1088-28-1010-012300		Station 95+00 Left										
Ollie and Sherman Hull		North Frontage Road							No		$0	
410 Haas Street		Station 95+70 Left to							Expected			
PPIN - 012971		Station 97+00 Left							Impact			
Parcel 1088-28-0260-005000												
J. Strickland & J. Hobson		North Frontage Road									$0	No impact is anticipated on the outdoor advertising sign.
1825 North Frontage Road		Station 97+00 Left near										
PPIN - 012970		Western Frontage Road										
Parcel 1088-28-0260-00490		Circulation Bridge										
J Strickland & J. Hobson		North Frontage Road			X				Loss of		$0	The lost parking appears to be on existing MDOT right of way.
1825 North Frontage Road		Station 97+00 Left to							Parking			
PPIN - 012970		Station 100+50 Left										
Parcel 1088-28-0260-004900												
Nancy & E.J. Curtis, Jr.		North Frontage Road			X				Loss of		$10,200	Approximately 2,100 square feet of the frontage will be needed for
1901 North Frontage Road		Station 101+00 Left to							Parking			right of way or .048 acres @ $ 169,574 per acre = $ 8,140
PPIN - 012969		Station 103+20 Left							and Land			Use $ 10,200
Parcel 1088-28-2890-004800									for ROW			It is assumed the portable canopy can be missed.
Nancy & E.J. Curtis, Jr.		North Frontage Road									$0	Althought is is very close, it is assumed the construction can avoid
1909 North Frontage Road		Station 103+00 Left										impacting the outdoor advertising sign.
PPIN - 012969												
Parcel 1088-28-2890-004800												
Teresa & Michael Holloway		North Frontage Road			X				Loss of		$32,700	The paved area that would be lost appears to be on their property.
1979 North Frontage Road		Station 105+50 Left to							Parking			Approximately 5,000 square feet needed for right of way or .115
PPIN - 028624		Station 108+00 Left							and Land			acre @ $ 227,798 per acre = $ 26,197 Use $ 32,700 for impact
Parcel 1089-28-2890-001503									for ROW			
Jebco LLC		North Frontage Road			X				Loss of		$11,600	The parking that would be lost in the old shopping center lot
c/o Blackburn Motor Co.		Station 108+00 Left to							Paved			appears to be on their property. Approximately 3,100 square feet
2101 North Frontage Road		Station 111+20 Left in							Area			needed for right of way or .071 acre @ $ 130,348 per acre = $ 9,255
PPIN - 013606		Old Parking Lot							for ROW			Use $ 11,600 for impact
Parcel 1089-28-2890-001500												

ALTERNATE B - ESTIMATED RIGHT OF WAY COSTS
FOR DEVELOPED ADJACENT PROPERTIES

Owner Information PPIN and Parcel Number	Map Number	General Location	Impacted Property is Undeveloped (X)	Impacted Property Contains a Residence (X)	Impacted Property Contains a Business (X)	Impacted Property is Non-Profit or Public (X)	Relocation of Residence or Business is Assumed (X)	Outdoor Advertising Sign is Impacted (X)	Overview of Impact	Appraised Value (if only value used for estimate)	Estimated Cost of Impact ($)	Miscellaneous Comments and/or Calculations
Jebco LLC		North Frontage Road										The outdoor advertising sign does not appear to interfere with the
c/o Blackburn Motor Co.		Station 108+30 Left										reconstruction of the interstate.
2101 North Frontage Road		in Old Parking Lot										
PPIN - 013606												
Parcel 1089-28-2890-001500												
River Hills Bank		North Frontage Road			X				Frontage		$2,400	Approximately 300 square feet needed for right of way or .007 acre
PPIN - 027747		Station 111+20 Left to							for new			at $ 272,960 per acre is $ 1,911 Use $ 2,400
Parcel 1089-28-2890-001502		Station 113+00 Left							ROW			
Jebco LLC		North Frontage Road			X				Frontage		$62,200	Approximately 1,530 square feet needed for right of way or .035
c/o Blackburn Motor Co.		Station 113+00 Left to							for new			acre at $ 1,421,134 per acre is $ 49,740 Use $ 62,200
PPIN - 030047		Station 116+80 Left							ROW			
Parcel 1089-28-2890-001505												
Trustmark National Bank		North Frontage Road			X				Frontage		$14,700	Approximately 1,265 square feet needed for right of way or .029
2205 North Frontage Road		Station 116+80 Left							for new			acre @ $ 406,639 per acre is $ 11,792 Use $ 14,700
PPIN - 026264		to Station 119+10 Left							ROW			
Parcel 1089-28-2890-001501												
McDonald's Real Estate Co.		North Frontage Road			X				Frontage		$7,500	Approximately 864 square feet is needed for right of way or .020
PPIN - 013607		Station 119+10 Left							for new			acre @ $ 300,000 per acre is $ 6,000 Use $ 7,500
Parcel 1089-28-2890-001600		to Station 120+60 Left							ROW			
Smith Food Enterprises Inc		North Frontage Road			X				Frontage		$7,500	Approximately 852 square feet is needed for right of way or .020
PPIN - 013608		Station 120+60 Left							for new			acre @ $ 300,000 per acre is $ 6,000 Use $ 7,500
Parcel 1089-28-2890-001700		to Station 122+20 Left							ROW			
Atwood Chevrolet Olds Inc.		North Frontage Road			X				Frontage		$28,800	Approximately 4,660 square feet is needed for right of way or .107
2339 North Frontage Road		Station 122+20 Left to							for new			acre @ $ 215,000 per acre is $ 23,005 Use $ 28,800 Also add $ 75,000
PPIN - 013609		Station 129+00 Left							ROW			for addressing improvements such as lighting
Parcel 1089-27-3160-001800												
John E. Bell		South Frontage Road			X				Loss of		$0	A portion of their paved parking lot appears to be on MDOT
1850 South Frontage Road		Station 99+40 Right to							Parking			right of way. No additional right of way is anticipated to be
PPIN - 013652		Station 101+00 Right										needed from this parcel containing the Plaza Automotive and
Parcel 1089-28-2890-006000												Tire Center.
B & H Land Company LLC		South Frontage Road			X				Loss of		$0	A portion of their paved parking lot appears to be on MDOT right of
c/o Hayes Latham		Station 101+00 Right to							Parking			way. No additional right of way is anticipated to be needed from
PPIN - 029470		Station 101+20 Right										this parcel.
Parcel 1089-28-2890-006010												
Hays Latham and Billie		South Frontage Road			X				Loss of		$0	A portion of their paved parking lot appears to be on MDOT right of
PPIN - 027447		Station 101+20 Right to							Parking			way. No additional right of way is anticipated to be needed from
Parcel 1089-28-2890-006003		Station 103+00 Right										this parcel.
Jerry and Shirley Stuart		South Frontage Road			X				Loss of		$0	It apppears some of the parking area is on MDOT right of way. No
PPIN - 024934		Station 106+00 Right to							Parking			additional right of way is estimated to be needed at this location.
Parcel 1089-28-2890-004001		Station 107+60 Right										

ALTERNATE B - ESTIMATED RIGHT OF WAY COSTS
FOR DEVELOPED ADJACENT PROPERTIES

Owner Information PPIN and Parcel Number	Map Number	General Location	Impacted Property is Undeveloped (X)	Impacted Property Contains a Residence (X)	Impacted Property Contains a Business (X)	Impacted Property is Non-Profit or Public (X)	Relocation of Residence or Business is Assumed (X)	Outdoor Advertising Sign is Impacted (X)	Overview of Impact	Appraised Value (if only value used for estimate)	Estimated Cost of Impact ($)	Miscellaneous Comments and/or Calculations
Harold May ETAL		South Frontage Road							No		$0	The small piece of this parcel to the west of the driveway is not
PPIN - 013632		Station 107+60 Right to							Expected			anticipated to be impacted.
Parcel 1089-28-2890-004000		Station 107+80 Right							Impact			
Haden Hardware Company		South Frontage Road			X				Loss of		$0	The exta pavement being used by the business for overflow
2110 South Frontage Road		Station 112+20 Right to							Parking/			parking appears to be on existing MDOT right of way. No
PPIN - 021316		Station 113+20 Right							Paved			additional right of way is expected to be needed at this location.
Parcel 1089-28-2890-003601									Area			
Margaret & Leon Gilmer		South Frontage Road			X				Loss of		$0	It appears the parking area between the two drives is on MDOT
2222 South Frontage Road		Station 118+20 Right							Parking/			right of way. No additional right of way is expected to be needed
PPIN - 013621		to Station 120+30 Right							Paved			at this location.
Parcel 1089-28-2891-002900									Area			
Harold May		South Frontage Road	X						Land only	$500	$600	The majority of this parcel is needed for additional right of way.
PPIN - 013619		Station 120+30 Right to							for new			Therefore, the parcel is considered a total take.
Parcel 1089-28-3010-002800		Station 121+30 Right							ROW			
Margaret & Leon Gilmer or		South Frontage Road									$0	Although it is close, it appears the outdoor advertising sign can be
Harold May		Station 121+00 Right										avoided by the construction.
PPIN - 013621 or 013619												
Parcel 1089-28-2891-002900												
or 1089-28-3010-002800												
Margaret & Leon Gilmer		South Frontage Road	X						Land only		$5,600	Approximately 2,600 square feet will be needed for right of way
PPIN - 013618		Station 121+30 Right to							for new			or .060 acre @ $ 74,957 per acre is $ 4,497 Use $ 5,600
Parcel 1089-28-3010-002700		Station 122+30 Right							ROW			
Harold M. May		South Frontage Road	X						Land only		$14,100	Approximately 3,200 square feet will be needed for right of way
PPIN - 013617		Station 122+30 Right to							for new			or .073 acre @ $ 154,696 per acre is $ 11,293 Use $ 14,100
Parcel 1089-28-3010-002600		Station 123+30 Right to							ROW			
Lucille Hampton ETAL		South Frontage Road	X						Land only		$11,200	Approximately 3,400 square feet will be needed for right of way
PPIN - 013616		Station 123+30 Right to							for new			or .078 acre @ $ 115,226 per acre is $ 8,988 Use $ 11,200
Parcel 1089-28-3010-002500		Station 123+90 Right							ROW			
Johnny Warren		South Frontage Road	X						Land only		$6,800	Approximately 4,100 square feet will be needed for right of way
PPIN - 013615		Station 123+90 Right to							for new			or .094 acre @ $ 58,161 per acre is $ 5,467 Use $ 6,800
Parcel 1089-28-3010-002400		Station 124+80 Right							ROW			
Reuben Warren Estate		South Frontage Road	X						Land		$7,200	Approximately 4,800 square feet will be needed for right of way
PPIN - 013614		Station 124+80 Right to							for new			or .110 acre @ $ 52,688 per acre is $ 5,796 Use $ 7,200
Parcel 1089-28-3010-002300		Station 125+20 Right							ROW			

ALTERNATE B - ESTIMATED RIGHT OF WAY COSTS
FOR DEVELOPED ADJACENT PROPERTIES

Owner Information PPIN and Parcel Number	Map Number	General Location	Impacted Property is Undeveloped (X)	Impacted Property Contains a Residence (X)	Impacted Property Contains a Business (X)	Impacted Property is Non-Profit or Public (X)	Relocation of Residence or Business is Assumed (X)	Outdoor Advertising Sign is Impacted (X)	Overview of Impact	Appraised Value (if only value used for estimate)	Estimated Cost of Impact ($)	Miscellaneous Comments and/or Calculations
Reuben Warren Estate		South Frontage Road						X			$50,000	The outdoor advertising sign appears to interfere with the reconstruction of
South Frontage Road		Station 125+00 Right										the interstate. The sign must be removed or relocated.
PPIN - 013614		near Brown Family										
Parcel 1089-28-3010-002300		Cemetery										
Sallie Kemp ET AL		South Frontage Road	X						Land only		$100	Approximately 900 square feet will be needed for right of way
c/o L Turner		Station 125+20 Right to							for new			or .021 acre @ $ 5,000 per acre is $ 105 Use $ 100
PPIN - 013613		Station 125+30 Right							ROW			
Parcel 1089-28-2890-002200												
SNS Inc.		South Frontage Road			X				Land		$46,800	Approximately 7,500 square feet will be needed for right of way
2390 Frontage Road		Station 125+20 Right							for new			or .172 acre @ $ 217,800 per acre is $ 37,462 Use $ 46,800
PPIN - 013612		to Station 126+60							ROW			
Parcel 1089-28-2890-002100												
Louis & Martha McCurley		South Frontage Road			X				Loss of		$0	It appears the parking area between the two drives is slightly on
c/o Goldies		Station 129+80 Right to							Parking/			MDOT right of way. Grassed area on MDOT between the drives is
PPIN - 013610		Station 131+00 Right							Paved			being used for parking. No additional ROW appears needed.
Parcel 1089-27-3160-001900									Area			
Vicksburg Ford Lincoln		North Frontage Road							No		$0	No additional right of way is anticipated to be needed.
Mercury Inc.		Station 129+80 Left to							Expected			
2431 North Frontage Road		Station 132+40 Left							Impact			
PPIN - 024227												
Parcel 1084-27-2890-011101												
Folmar Vicksburg LP ETAL		North Frontage Road			X				Partial		$731,800	The shopping center would lose the No. Frontage Rd. access next
3046 Indiana Avenue		Btw Station 134+50 Left							Loss of			to the convenience store. The shopping center would retain their
PPIN - 013177		and Station 137+50 Left							Access			other access points to the No. Frontage Rd and Indiana Avenue.
Parcel 1084-27-2890-010900												Appraised value of land is $ 2,439,360. Estimate loss of access at
												30% of appraised land value = $731,808 Use $731,800
Indiana Ave Vicksburg LLC		Indiana Avenue			X				Partial		$174,200	The convenience store would lose their access to the North
or Three W IS 4		Station 66+50 Left							Loss of			Frontage Rd, but retain their access to Indiana Avenue. Appraised
3060 Indiana Ave									Access			value of land is $ 348,480. Estimate loss of access at 50% of
PPIN - 013174												appraised land value = $ 174,240 Use $ 174,200
Parcel 1084-27-3160-010600												
Lucy I. Jones		North Frontage Road		X					Partial		$15,000	The residence would lose their access rights to the North Frontage
1 Bugle Ridge Drive		Between Indiana Ave.							Loss of			Rd, but retain their access to Indiana Avenue and Bugle Ridge Rd.
PPIN - 013135		and Station 161+00 Left							Access			Appraised value of land is $ 30,000. Estimate loss of access at
Parcel 1084-27-0300-006700												50% of appraised land value = $ 15,000 Use $ 15,000
Harold May & Ernest Thomas		South Frontage Road			X				Loss of		$0	It appears there is parking and pavement for the strip shopping
& Campbell Dev Corp		Station 131+20 Right to							Parking/			center of MDOT ROW. No additional ROW is anticipated to be
PPIN - 013365		Station 134+00 Right							Paved			needed.
Parcel 107-32-3160-008400									Area			

ALTERNATE B - ESTIMATED RIGHT OF WAY COSTS
FOR DEVELOPED ADJACENT PROPERTIES

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Ernest Thomas ETAL		South Frontage Road			X				Partial		$37,500	The building would retain its current access but lose all access
PPIN - 024790		Station 134+80 Right to							Loss of			rights to the east towards Indiana Avenue. Use 0.25 of appraised
Parcel 107-32-3160-008402		Station 135+60 Right							Access			land value for impact cost or .25 x $ 150,000 is $ 37,500
												This parcel appears to also have a small pavement encroachment
												on MDOT right of way.
Tim A. Sumrall		South Frontage Road			X		X		Total	$263,950	$330,000	The relocation is necessary due to total loss of access.
2566 South Frontage Rd		Station 135+60 Right to							Loss of			This parcel appears to have a considerable pavement
PPIN - 021655		Station 137+80 Right							Access			encroachment on existing MDOT right of way.
Parcel 107-32-3160-008401												
Peggy & Teller Landman, Jr.		South Frontage Road		X					Partial		$28,800	The residence will lose the short segment of frontage road access
118 Country Club Drive		Station 137+80 Right to							Loss of			across the back of the property. Total appraised value of land is
PPIN - 013363		Station 138+20 Right							Access			$ 57,500. Estimate access loss at 0.50 x $ 57,500 or $ 28,750
Parcel 107-32-3160-008200												Use $ 28,800
Tellpark LLC		South Frontage Road	X						Partial		$15,000	Access to the frontage road would be lost, but access to Country
South Frontage Road		Station 138+20 Right							Loss of			Club Drive would be retained. Total appraised value of land is
PPIN - 013361		Station 139+80 Right							Access			$ 20,000. Estimate access loss at 0.75 x $ 20,000 = $ 15,000
Parcel 107-32-3160-008000												Use $ 15,000
Ronald L Andrews		South Frontage Road			X		X		Total	$405,600	$507,000	The relocation is necessary due to total loss of access.
2640 South Frontage Road		Station 139+80 Right to							Loss of			
PPIN - 013360		Station 141+20 Right							Access			
Parcel 107-32-3160-007900												
Bancorp South		Indiana Avenue			X				Partial		$125,600	The bank's one access to the South Frontage Road would be lost.
3143 Indiana Avenue		Station 53+00 Left							Loss of			The bank retains its access to Indiana Avenue and Country Club Dr.
PPIN - 013359									Access			Appraised value of land is $ 314,070. Estimate loss of access
Parcel 107-32-3160-007800												at 40% of appraised land value = $ 125,628 Use $ 125,600
Petroleum Realty VI LLC		Indiana Avenue			X				Partial		$85,400	The convenience store's one access to the South Frontage Road
3140 Indiana Avenue		Station 53+00 Right							Loss of			would be lost. The business retains its access to Indiana Avenue
PPIN - 013355									Access			and Old Indiana Avenue. Appraised value of land is $ 213,440.
Parcel 107-32-3160-007400												Estimate loss of access at 40% of appraised land value = $ 85,376
												Use $ 85,400
Frederick & Sara Abraham		Indiana Avenue		X					Land only		$3,200	Approximately 4,400 square feet is needed for additional right
PPIN - 013349		Station 43+02 Right to							for new			of way or .101 acre @ $ 25,000 per acre is $ 2,525 Use $ 3,200
Parcel 107-32-9999-006800		Station 46+00 Right							ROW			
Clara Frances Drake		South Frontage Road		X					Partial		$8,000	The residence would lost approximately half of their access rights
3145 Indiana Avenue		Station 165+80 Right to							Loss of			to the South Frontage Road, but retain their primary access to Old
PPIN - 013356		Station 173+00 Right							Access			Indiana Avenue. Appraised value of land is $ 19,820. Estimated
Parcel 107-32-9999-007500												loss of access at 40% of appraised land value = $7,928 Use $ 8,000
George R. Carr		South Frontage Road			X				Loss of		$0	Dealership appears to be parking inventory on MDOT right of way.
2950 South Frontage Road		Station 173+00 Right to							Parking			No additional right of way is anticipated to be needed.
PPIN - 013357		Station 176+80 Right										
Parcel 107-32-9999-007600												

ALTERNATE B - ESTIMATED RIGHT OF WAY COSTS
FOR DEVELOPED ADJACENT PROPERTIES

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Josephine G Pratt ETAL		South Frontage Road	X						Land only		$30,000	Approximately 29,400 square feet of adjacent property is needed
c/o Mary Harmon		Station 176+80 Right to							for new			for right of way or .675 acres @ $ 35,500 per acre = $ 23,963
PPIN - 013358		Station 183+00 Right							ROW			Use $ 30,000 for impact
Parcel 107-32-9999-007700												
Ernest Thomas or		South Frontage Road		X					Land only		$4,300	Approximately 4,300 square feet of adjacent property is needed
Fuller Enterprises		Station 183+00 Right to							for new			for right of way or .099 acre @ $ 34,849 per acre is $ 3,450
PPIN - 009994		Station 185+30 Right							ROW			Use $ 4,300
Parcel - 1072-32-9999-003600												
James & Bobbie Beard		South Frontage Road			X		X		Loss of		$58,700	Pavement being used by nursery in front of building appears
3150 South Frontage Road		Station 185+30 Right to							Parking			on MDOT right of way (ROW). Store building requires relocation.
PPIN - 009993		Station 187+80 Right							& Land			Some land will be needed for new ROW. Consider business is a
Parcel 1072-32-9999-003500												relocation and that they will retain 1.039 of the 1.2 acre parcel.
												Need approximately 7,000 square feet for new ROW or .161 acre @
												$ 87,117 per acre is $ 14,026 Use $ 17,500 for land impact. Loss of
												all buildings and improvements is $ 137,520 less $ 104,540 or
												$ 32,980 Use $ 41,200 for buildings and improvements loss
												Total Impact Cost is $ 17,500 plus $ 41,200 or $ 58,700
Marvell & Carolyn Spears		South Frontage Road		X			X		Property	$158,760	$198,450	The residence is near the MDOT right of way.
3104 Highland Drive		Station 187+80 Right to							for new			The entire parcel is needed for right of way.
PPIN - 012537		Station 190+20 Right							ROW			
Parcel 1071-32-1200-00100												
Michael & Elizabeth Jones		South Frontage Road		X					Some of		$2,800	Approximately 2,500 square feet or .057 acres @ $ 39,424 per
or Terry Steed		Station 187+80 Right to							Backyard			acre = $ 2,247 Use $ 2,800 for impact
3106 Highland Drive		Station 188+60 Right							Needed			
PPIN - 012536									for ROW			
Parcel 1071-32-1200-000900												
Robert & Barbara Thompson		South Frontage Road		X					Land only		$900	Approximately 10 feet of frontage will be needed for new right of
3103 Highland Drive		Station 190+80 Right to							for new			way. 10 feet by 77 feet assumed or 770 square feet, .018 acre,
PPIN - 012525		Station 191+10 along							ROW			at $ 39,424 per acre is $ 709 Use $ 900
Parcel 1071-32-1200-000300		Highland Drive										
Marianne M. Jones		South Frontage Road		X			X		Property	$319,030	$398,800	Although directly impacting the residence structure could be
1 Highland Hill Drive		Station 192+50 Right at							for new			avoided with retaining walls, the expense of maintaining access to
PIN - 012523		Highland Hill Drive							ROW			the residence and the loss of the tree buffer led to this being a
Parcel 1071-32-2760-000100												relocation and considered a total take. Landowner could possibly
												retain over half of the property, but the appraisal for all the
												existing property is only $ 26,500
Bancorp South Bank Trustee		South Frontage Road		X					Land only		$14,500	Would have to acquire approximatley 5.272 acres of total 9 acres.
J.E. Blackburn Sr. Resd Trust		Connector to							for new			Residence and other improvements would remain on one tract of
3645 Porters Chapel Road		Porters Chapel Road							ROW			3.728 acres. Estimate needed right of way @ $ 2,202 per acre or
PPIN - 013325												$ 11,609 Use $ 14,500
Parcel 107-32-9999-004400												
Trinity Baptist Church		South Frontage Road				X			Land only		$2,100	Would have to acquire .771 acres of total 24.3 acres. Estimate
Porters Chapel Road		Connector to							for new			needed right of way @ $ 2,200 per acre or $ 1,696 Use $ 2,100
PPIN - 013332		Porters Chapel Road							ROW			
Parcel 107-32-9999-005100												
United States of America		North Frontage Road				X			Loss of		$0	Extend No Access Across Vicksburg National Military Park

ALTERNATE B - ESTIMATED RIGHT OF WAY COSTS
FOR DEVELOPED ADJACENT PROPERTIES

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I-20 North Frontage Road		Station 160+50 Left to							Access			Public Owned Land
PPIN - Unknown		Station 163+00 Left										
Parcel (Unknown)												
Jivi & Sons LTD LLC		North Frontage Road			X				Partial		$34,000	No access must be established across western portion of motel
2751 North Frontage Road		Station 163+00 Left to							Loss of			property. The three access drives would be changed to two with
PPIN - 013283		Station 166+00 Left							Access &			the two drives located at the eastern portion of business. The
Parcel 107-32-9999-000300									Loss of			appraised value of land is $ 85,000. Loss of access estimated at
									Parking			40% of appraised land value = $ 34,000
									& Paved			The lost parking and pavement appears to be on MDOT right of
									Area			way. No additional ROW is anticipated to be needed.
United States of America		North Frontage Road							No		$0	All construction would be inside existing right of way. No impact
PPIN - 013282		Station 166+00 Left to							Expected			on the adjacent National Military Park is anticipated.
Parcel 107-32-9999-000200		Station 172+00 Left							Impact			
R & S Motors AcquisitionsLLC		North Frontage Road			X				Loss of		$0	Pavement in front of dealership that is being used for
or Jeremiah Properties LLC		Station 172+00 Left to							Parking			inventory parking appears to be on MDOT right of way.
2939 North Frontage Road		Station 178+00 Left										No additional ROW is anticipated to be needed.
PPIN - 013284												
Parcel 107-32-9999-000400												
Sun Koon Restaurant Inc.		North Frontage Road			X				Loss of		$0	Pavement in front of restaurant for customer parking
3041 North Frontage Road		Station 178+00 Left to							Parking			circulation appears to be on MDOT right of way.
PPIN - 021651		Station 180+20 Left										No additional ROW is anticipated to be needed.
Parcel 107-32-9999-000401												
Josephine Pratt ET AL		North Frontage Road			X				Land		$200	Need approximately 5,000 square feet of land for new right of way
c/o Mary Kavanaugh		Station 180+20 Left to							for new			or 0.115 acre @ $ 1,000 per acre is $ 115 Use $ 200
PPIN - 025524		Station 186+60 Left							ROW			
Parcel 107-32-9999-009400												
Josephine Pratt ET AL		North Frontage Road						X			$50,000	The outdoor advertising sign must be removed or relocated
c/o Mary Kavanaugh		Station 186+50 Left										because it appears to interfere with the construction.
PPIN - 025524												
Parcel 107-32-9999-009400												
Henry & Tami Holley		North Frontage Road			X				Loss of		$0	Pavement in front of business for customer and employee parking
3201 North Frontage Road		Station 186+60 Left to							Parking			and traffic circulation appears to be on MDOT right of way.
PPIN - 013285		Station 188+00 Left										No additional ROW is anticipated to be needed.
Parcel 107-32-9999-000500												
Gene & Jean Presley and		North Frontage Road							No		$0	All construction would be inside existing right of way.
Pam Beard		Station 188+00 Left to							Expected			
c/o Beard Real Estate		Station 189+20 Left							Impact			
PPIN - 027544												
Parcel 107-32-9999-000601												

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Church of Christ		North Frontage Road				X			Land only		$60,000	Some of the adjacent land in front of the church is needed for right
3333 I-20 North Frontage Rd		Station 189+20 Left to							for new			of way. Approximately 12,800 square feet needed or .294 acres @
PPIN - 013287		Station 198+00 Left							ROW			$ 163,350 per acre = $ 48,025 Use $ 60,000
Parcel 107-32-9999-000700												
Mary D. Harris		North Frontage Road		X			X		Loss of	$30,390	$38,000	Most of the parcel is needed for right of way. Therefore, it is
80 Rodenbaugh Drive		Station 198+00 Left to							Land and			considered an entire take.
PPIN - 013288		Station 200+00 Left							Access			
Parcel 107-32-2760-000800												
Patricia H. McIntyre ETAL		North Frontage Road	X						Loss of	$2,700	$3,400	The loss of access makes this a land locked parcel. Therefore, the
PPIN - 013289		Station 200+00 Left to							Land and			undeveloped land is considered a total take.
Parcel 107-32-1110-000900		Station 201+60 Left							Access			
James D & Mary Harris		North Frontage Road		X			X		Loss of	$57,170	$71,500	The residence, most of the land, and the loss of access makes this
Revoc Trust		Station 201+60 Left to							Land and			parcel a total take.
140 Rodenbaugh Drive		Station 204+20 Left							Access			
PPIN - 013290												
Parcel 107-32-1110-001000												
J.E. Marsalis ETUX		North Frontage Road	X						Loss of	$15,000	$18,800	The loss of all access makes this undeveloped property a total
PPIN - 013301		Station 204+20 Left to							Land and			take.
Parcel 107-32-1110-002000		Station 207+40 Left							Access			
John and Donna Harris		North Frontage Road	X						Loss of	$19,500	$24,400	The loss of all access makes this property containing an outdoor
PPIN - 013300		Station 207+40 Left to							Land and			advertising sign that must be removed a total take. The estimated
Parcel 107-32-1110-001900		Station 210+60 Left							Access			cost of removing the outdoor advertising sign will be addressed as
												a separate item.
John and Donna Harris		North Frontage Road						X			$50,000	The outdoor advertising sign must be removed because access to
PPIN - 013300		Station 208+50 Left										the sign would be lost & the sign appears to interfere with the construction.
Parcel 107-32-1110-001900		near Old SR 27										
Robert and Mary Harris		North Frontage Road	X						Loss of	$26,000	$32,500	The loss of all access to this undeveloped property makes this a
PPIN - 013299		Station 210+60 Left to							Land and			total take.
Parcel 107-32-1110-001800		Station 212+60 Left							Access			
Robert Harris		Old SR 27 southwest	X						Loss of	$7,500	$9,400	The loss of all access to this undeveloped property makes this a
PPIN - 013297		side of bridge over							Land and			total take.
Parcel 107-32-9999-001700		KCS Railroad							Access			
Ernest Thomas		Old SR 27 southeast							No		$0	The construction would be within existing right of way.
PPIN - 013298		side of bridge over							Estimated			
Parcel 107-32-9999-001701		KCS Railroad							Impact			
River City Corporation		North CD Road			X				Frontage		$242,500	Need approximately 26,400 square feet for right of way or
PPIN - 021059		Station 215+20 Left to							for new			.606 acre at $ 217,800 per acre is $ 132,000 Use $ 165,000 for Land
Parcel 0955-21-0120-000600		Station 221+00 Left							ROW			Relocate 400 feet of access road or .076 mile at $ 1.02 Million per
												mile based on MDOT 2009 avg cost per mile for grading and paving
												is $ 77,500 Use $ 165,000 + $ 77,500 or $ 242,500 for total impact

ALTERNATE B - ESTIMATED RIGHT OF WAY COSTS
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River City Corporation		North CD Road						X			$50,000	The outdoor advertising sign appears to interfere with the construction.
PPIN - 021059		Station 216+00 Left										Therefore, the sign must be removed or relocated. The MDOT records consider
Parcel 0955-21-0120-000600												this an on-premise sign instead of an outdoor advertising sign.
RLH Properties LLC		Clay Street/US 80			X				Loss of		$0	The pavement being used in front of the dealership for displaying
4105 East Clay Street		at Toyota Dealership							Parking			inventory appears to be on MDOT right of way.
PPIN - 020992		opposite Berryman Road										No additional right of way is anticipated to be needed.
Parcel 0957-22-0120-000200												
Gladwyne Investors		I-20 East C-D Road			X				Land only		$56,200	A small portion of this property containing the Corps of Engineers
Business Trust or		Station 265+80 Right to							for new			Building and bordering I-20 on the east end of the parcel is needed
GPT Vicksburg MS Inc		Station 269+00 Right							ROW			for right of way. Approximately 22,500 square feet or .516 acres @
PPIN - 020993												$ 87,200 per acre = $ 44,995 Use $ 56,200
Parcel 0957-22-0120-000300												
Joseph P. & Teresa V. Harris		I-20 East C-D Road	X						Land only		$35,100	A small portion of this property bordering I-20 is needed for right
c/o Joseph P. Harris		Station 269+00 Right to							for new			of way. Approximately 40,800 square feet or .937 acres @
PPIN - 020881		Station 272+80 Right							ROW			30,000 per acre = $ 28,110 Use $ 35,100
Parcel 0951022-0120-000100												
Barton Schreiner		SR 27 just north of US 80			X				Land		$24,800	Two small portions at different ends of this parcel are needed for
or Jet Properties		Station 7+50 Right							for new			right of way. Approximately 10,700 square feet is needed or
PPIN - 020890		Parcel btw US 80 & I-20							ROW			.246 acres @ $ 80,585 per acre is $ 19,824 Use $ 24,800
Parcel 0951022-0121-000900												
Harris Propane Inc.		SR 27 north of US 80	X						Land only	$52,500	$65,600	Over half of the parcel would be needed for right of way. The
or East Clay Investments LLC		Station 10+00 Right							for new			property that will be retained by the landowner will be
PPIN - 020887		Parcel btw US 80 & I-20							ROW			land locked. Therefore, the parcel is considered a total take.
Parcel 0951022-0121-000600												
J. Jabour & W. Harris ETAL		I-20 East C-D Road	X						Land only		$52,300	Approximately 146,000 square feet would be needed for right of
PPIN - 023112		Station 281+20 Right to							for new			way or 3.352 acres @ $ 12,500 per acre = $ 41,900 Use $ 52,400
Parcel 0951022-0121-0000601		Station 292+40 Right							ROW			
Mamie Reed		I-20 East C-D Road	X						Land only		$300	Approximately 5,700 square feet would be needed for right of
or Billy and Shirley Collins		Station 292+40 Right to							for new			way or .131 acres @ $1,662 per acre = $ 217 Use $ 300
PPIN - 014640		Station 295+00 Right							ROW			
Parcel 096-23-9999-005400												
David and Jeanne McDonald		US 61 North	X						Partial		$7,500	Loss of access to US 61 North, but retains primary access to
PPIN - 020938		Station 34+00 Left to							Loss of			Beachwood Road. Estimate impact cost at 60% of appraised land
Parcel 0959-22-9999-002600		Station 35+40 Left							Access			value or 0.6 x $ 12,500 is $ 7,500
Robert Williams		US 61 North	X						Partial		$2,400	Loss of access to US 61 North, but retains primary access to
PPIN - 020937		Station 35+40 Left to							Loss of			Beachwood Road. Estimate impact cost at 60% of appraised land
Parcel 0959-22-9999-002500		Station 36+80 Left							Access			value or 0.6 x $ 4,000 is $ 2,400
Jackie Miller & E. Middleton		US 61 North	X						Partial		$2,400	Loss of access to US 61 North, but retains primary access to
or H. Middleton & Janie C		Station 36+80 Left to							Loss of			Beachwood Road. Estimate impact cost at 60% of appraised land
PPIN - 020936		Station 38+20 Left							Access			value or 0.6 x $ 4,000 is $ 2,400
Parcel 0959-22-9999-002400												

ALTERNATE B - ESTIMATED RIGHT OF WAY COSTS
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Jackie and Edward Miller		US 61 North	X						Partial		$2,400	Loss of access to US 61 North, but retains primary access to
PPIN - 020935		Station 38+20 Left to							Loss of			Beachwood Road. Estimate impact cost at 60% of appraised land
Parcel 0959-22-9999-002300		Station 39+60 Left							Access			value or 0.6 x $ 4,000 is $ 2,400
Bobby and Shirley Bailey		US 61 North	X						Partial		$7,200	Loss of access to US 61 North, but retains primary access to
PPIN - 025103		Station 39+60 Left to							Loss of			Beachwood Road. Estimate impact cost at 60% of appraised land
Parcel 0959-22-9999-000201		Station 42+10 Left							Access			value or 0.6 x $ 12,000 is $ 7,200
A. Howard & H. Davis Jr.		Riley Rd at US 61 North	X						Land only		$3,500	Some of the parcel is needed for extending Riley Road to
PPIN - 020919		Station 108+20 Left to							for new			Keystone Circle. Approximately 7,200 square feet of ROW needed
Parcel 0959-22-9999-000700		Station 110+40 Left							ROW			or .165 acre at $ 16,800 per acre is $ 2,772 Use $ 3,500
Ernest G. Thomas		Riley Rd at US 61 North	X						Land only	$20,370	$25,500	Some of the parcel is needed for extending Riley Road to
PPIN - 027542		Station 107+ 40 Left to							for new			Keystone Circle. Since approximately half of this small parcel is
Parcel 0959-22-9999-000601		Station 108+20 Left							ROW			needed, the parcel is considered a total take.
Petroleum Realty VI LLC		Riley Rd at US 61 North			X		X		Property		$1,099,400	The convenience store must be acquired for extending Riley Road
PPIN - 020918		Station 104+40 to							for new			to Keystone Circle. To construct a new convenience store on the
Parcel 0959-22-9999-000600		Station 107+30							ROW			property that will be retained will require considerable fill.
												Need 48,300 square feet for new right of way or 1.109 acres @
												$ 226,877 per acre is $ 251,607 Use $ 314,500 Business replacement
												cost is $ 456,320 Use $ 570,400 Access damage is 50% of remaining
												appraised land value is .50 times $ 429,000 or $ 214,000
												Total cost impact is $ 314,500 + $ 570,400 + $ 214,500 or $ 1,099,400
Sixty One North		Riley Rd at US 61 North			X		X		Property	$355,750	$444,700	The entire parcel is needed for extending Riley Road to Keystone
Mini Storage LLC		Station 102+50 to							for new			Circle.
955 Hwy 61 North		Station 104+40							ROW			
PPIN - 027188												
Parcel 0959-22-9999-000204												
Campbell Development Corp		US 61 North	X						Land only	$203,350	$254,200	Will lose approximately one-third of property and one-half of
PPIN - 026956		Station 39+30 Right to							for new			their access to US 61 North. Consider cost of impact is a total
Parcel 0959-22-1391-000202		Station 40+80 Right							ROW			take. Appraised value is $ 203,350 Use $ 254,200
Zenithe Kornel Dukes		Little Flat Circle (Access			X							The MDOT records indicate the outdoor advertising sign
4436 Haley Point		Road in NW Quadrant of										was removed in January 2009
0956-22-0120-002500		US 61 No. Interchange)										
On property adjacent to and		Access Road in the			X							The MDOT records indicate the outdoor advertising sign
east of Zenithe Dukes		NW Quadrant of the										was removed in January 2009.
		US 61 North Interchange										
TOTALS			**31 Undeveloped**	**16 Residences**	**49 Businesses**	**3 Non-Profit**	**12 Relocations**	**4 Outdoor Sign**			**$6,849,450 Cost of Impact**	

Alternative B

Possible Project 1

Typical Section Sheets,
Construction Phasing Sheets,
Plan Profile Sheets and
Construction Cost Estimate Sheets

P.E.

FED. ROAD REG. NO.	STATE	PROJECT NO.	SHEET NO.
4	MISS.		1

GENERAL INDEX

FOR DETAILED INDEX OF PLANS SEE SHEET NO. 2

DESCRIPTION	NUMBER OF SHEETS
TITLE SHEET	1
DETAILED INDEX	
GENERAL NOTES	
TYPICAL SECTIONS	
QUANTITIES	
PLAN AND PROFILES	
SPECIAL DESIGN – ROADWAY ITEMS	
BRIDGE DRAWINGS	
SPECIAL DESIGN – BRIDGES	
CROSS-SECTIONS	
TOTAL SHEETS	

STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

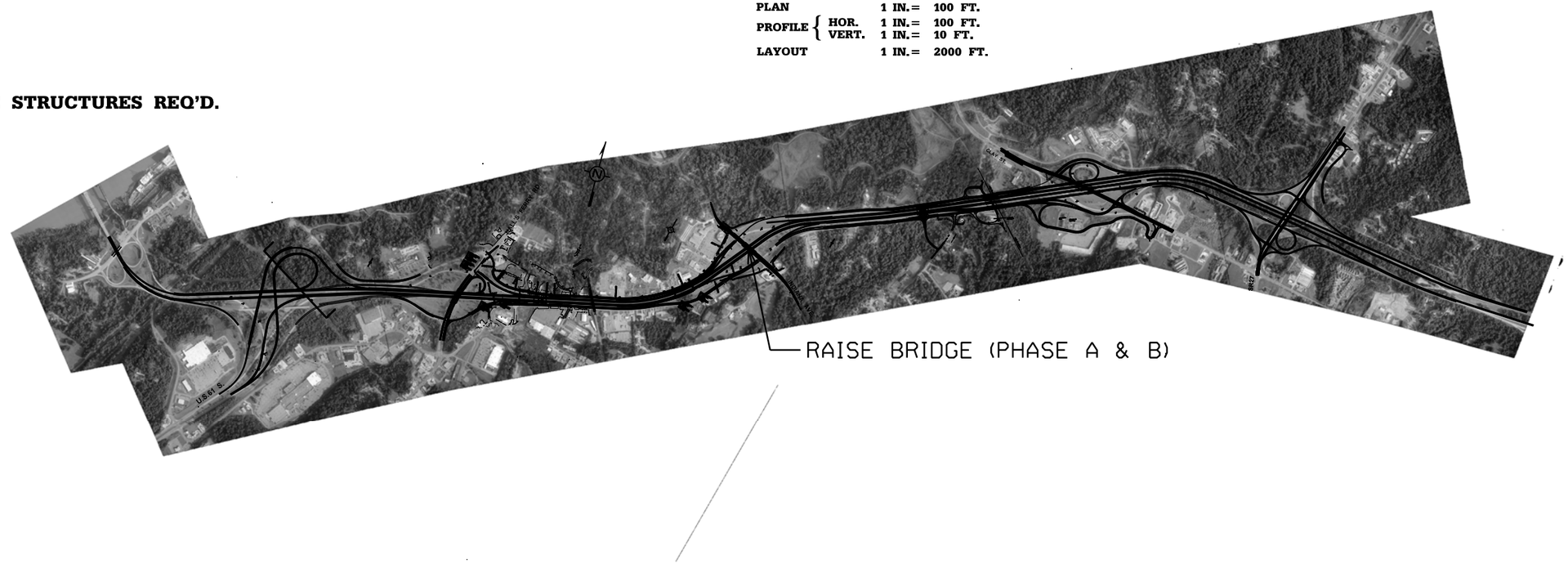
PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

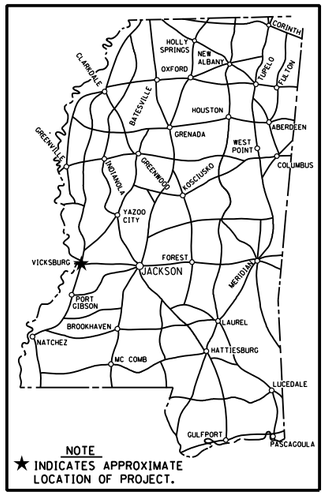
FEDERAL AID PROJECT NO. IMD-0020-01(181) 100367/002000

ALTERNATIVE B, PROJECT 1

SCALES

PLAN		1 IN. = 100 FT.
PROFILE	HOR.	1 IN. = 100 FT.
	VERT.	1 IN. = 10 FT.
LAYOUT		1 IN. = 2000 FT.





NOTE
★ INDICATES APPROXIMATE LOCATION OF PROJECT.

BRIDGE STRUCTURES REQ'D.

DESIGN CONTROL
_____ MPH = V (SPEED DESIGN)
ADT (____) = _____ : ADT (____) = _____
DHV = _____ : D = _____% T = _____%

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

	WATERS	WETLANDS
NATIONWIDE #14	☐	☐
NATIONWIDE (OTHER)*	☐	☐
GENERAL*	☐	☐
INDIVIDUAL (404)*	☐	☐

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

STORMWATER PERMIT ☐

Y	REQUIRED, CNOI SUBMITTED BY MDOT (DISTRIBUTED AREA>5 ACRES+KNTB 6484)
S	REQUIRED, SCNOI TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES)(NTB 6483)
N	NO STORMWATER PERMIT REQUIRED (<1 ACRE)

APPROVED BY: _____ DATE: _____

CONVENTIONAL SYMBOLS

COUNTY LINE
TOWN CORPORATION LINE
SECTION LINE
EXISTING ROAD OR TRAVELED WAY
PROPOSED ROAD OR TRAVELED WAY
RAILROAD
SURVEY LINE
BRIDGES

EQUATIONS

EXCEPTIONS

LENGTH DATA

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

REVISIONS | BY | DATE

APPROVED:
CHIEF ENGINEER — DATE
EXECUTIVE DIRECTOR — DATE
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

APPROVED:
DIVISION ADMINISTRATOR — DATE
FEDERAL HIGHWAY ADMINISTRATION
DEPARTMENT OF TRANSPORTATION

TITLE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/6/2012 14:19:07 TITLE ALTERNATIVE B-1.DGN

STATE	PROJECT NO.
MISS.	

DESCRIPTION OF SHEET	WKG. NO.	SH. NO.
TITLE SHEET (1)		
DETAIL INDEX (1)		
DETAILED INDEX	*DI1-1*	
TYPICAL SECTIONS (1)		
TYPICAL SECTION - INDIANA AVE.	*TS1-1*	
PLAN & PROFILE SHEETS (1)		
PROJECT 1 - PHASE A & B	*1A*	

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/17/2011 13:57:13 INDEX.DGN

REVISION | BY | DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

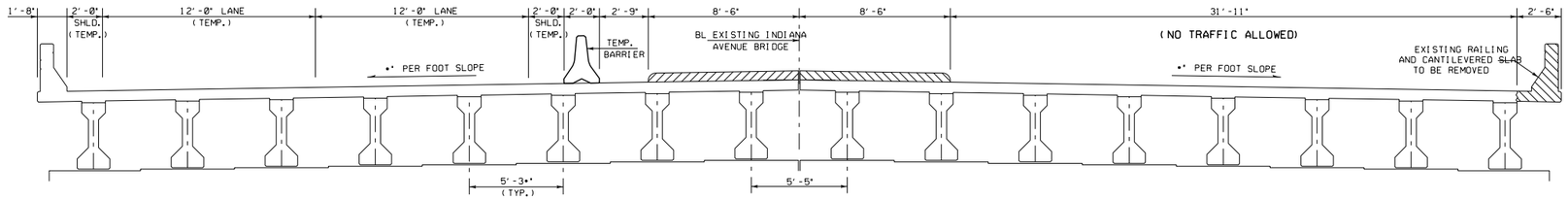
Detailed Index

Alternative B
Project 1

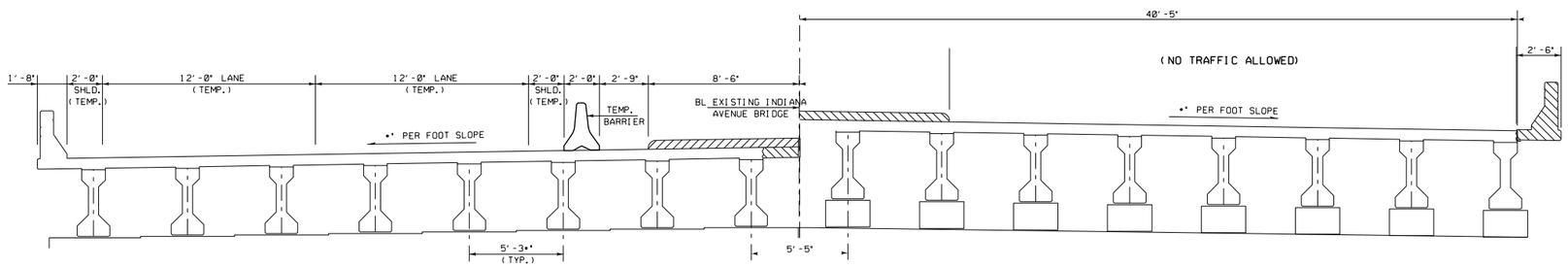
WORKING NUMBER
DI1-1
SHEET NUMBER

FILENAME: INDEX.DGN
DESIGN TEAM _____ CHECKED _____ DATE _____

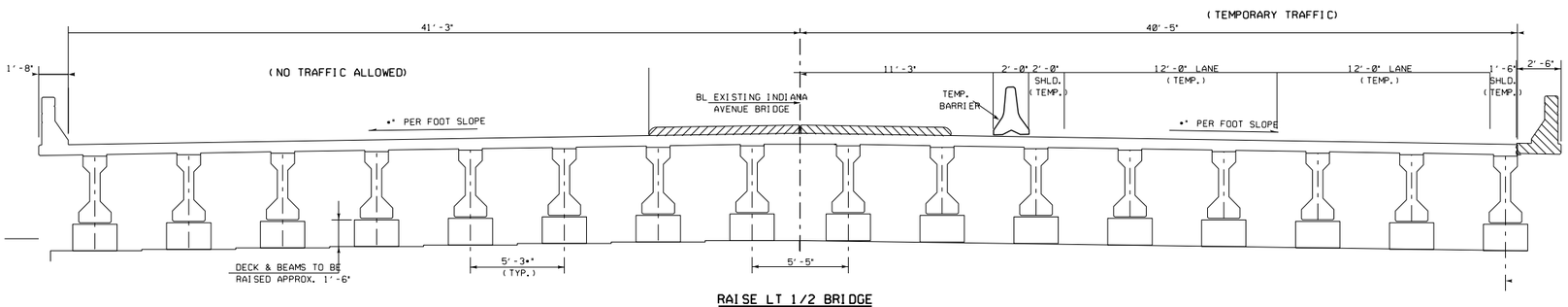
STATE	PROJECT NO.
MISS.	



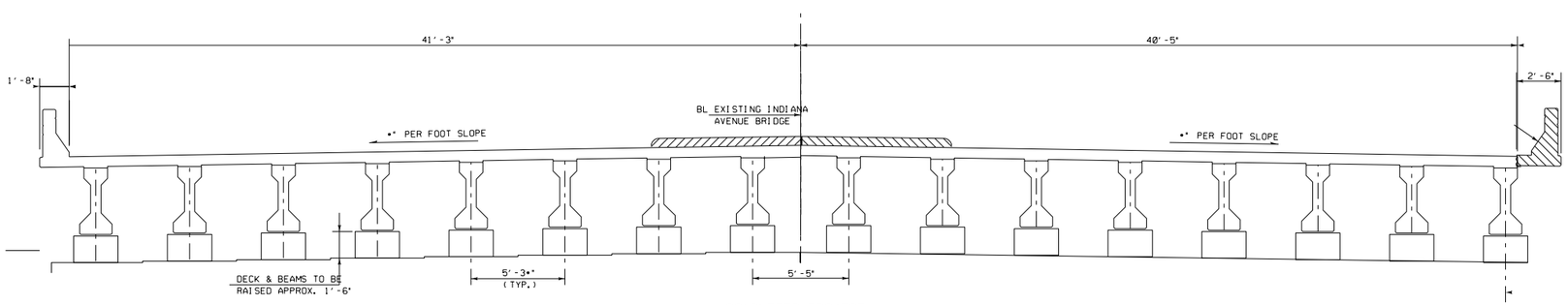
OORIGINAL BRIDGE



RAISE RT 1/2 BRIDGE



RAISE LT 1/2 BRIDGE



COMPLETED PROJECT

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION
INDIANA AVE.
-
-

PROJECT NO.
COUNTY:

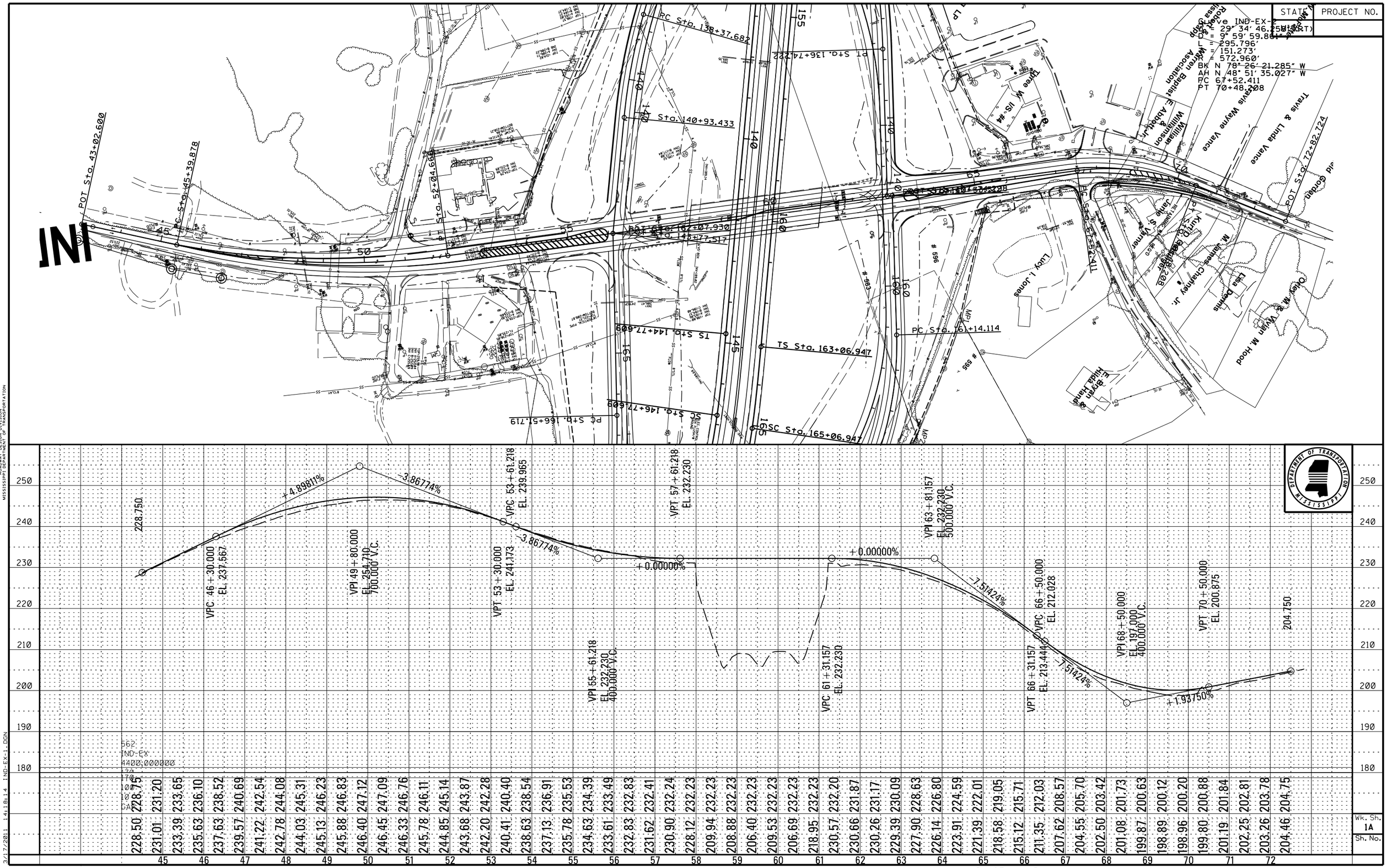
WORKING NUMBER
TS 1
SHEET NUMBER

FILENAME:
DESIGN TEAM CHECKED DATE

$FILES
$DATES

COUNTY:
DESIGN TEAM: NEEL-SCHAFFER
PROJECT NO.: 1
FILENAME:

STATE	PROJECT NO.



PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/17/2011 14:18:14 IND-EX-1.DGN

DESIGN TEAM: FILENAME: IND-EX-1.DGN COUNTY: PROJECT NO. : PHASE A & B SHEET ID:

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (Indiana Avenue)(PROJECT 1 PHASE A & B)

County: WARREN

Lettingday: 06/30/2014

Scope of Work:

Rural/Urban: Rural

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.10

Grading Cost Per Mile: $0

Paving Cost Per Mile: $1,100,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.10	x	$0	x	115%	$0
Paving Cost:	0.10		$1,100,000	x	115%	$126,500
Bridge cost:	27,466	x	$67.00	x	115%	$2,116,255
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)	1.00	x	$225,000.00	x	115%	$258,750
					Total Estimate:	**$2,501,505**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

.Est. $150,000 for Asphalt paving (1A & B). Estimate $75,000 for Traffic Control.

Anticipating a 3% inflation factor per year, the estimated construction cost is $2,900,000
(Includes Engineering and contingencies)

Remarks:

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 1 PHASE A&B

Summary of Projected Bridge Cost

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (Indiana Avenue)(PROJECT 1 PHASE A & B)
County: WARREN
Lettingday: 06/30/2014

	Area of Bridge*		Per SF		Cost	Remarks
Interchange Bridges	0	x	$77	=	$0	
Hydraulic Concrete Spans	0	x	$75	=	$0	
Grade Separations	0	x	$77	=	$0	
Steel Structures	0	x	$145	=	$0	
Raise Existing Bridge	27,466	x	$67	=	$1,840,222	
Widen Existing Bridge	0	x	$150	=	$0	
Other Bridges	0	x	$80	=	$0	
Other Bridges	0	x	$90	=	$0	
Other Bridges	0	x	$100	=	$0	
	27,466	x	$67.00	=	$1,840,222	

* 2 feet 10 inches added to all bridge widths for bridge rail

Remarks:

Alternative B

Possible Project 2

Typical Section Sheets,
Construction Phasing Sheets,
Plan Profile Sheets and
Construction Cost Estimate Sheets

P.E.

FED. ROAD REG. NO.	STATE	PROJECT NO.	SHEET NO.
4	MISS.		1

GENERAL INDEX

FOR DETAILED INDEX OF PLANS SEE SHEET NO. 2

DESCRIPTION	NUMBER OF SHEETS
TITLE SHEET	1
DETAILED INDEX	
GENERAL NOTES	
TYPICAL SECTIONS	
QUANTITIES	
PLAN AND PROFILES	
SPECIAL DESIGN – ROADWAY ITEMS	
BRIDGE DRAWINGS	
SPECIAL DESIGN – BRIDGES	
CROSS-SECTIONS	
TOTAL SHEETS	

STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

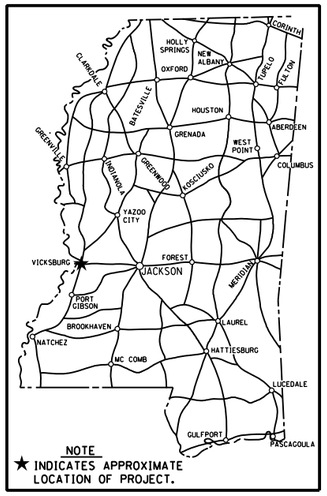
PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

FEDERAL AID PROJECT NO. IMD-0020-01(181) 100367/002000

ALTERNATIVE B, PROJECT 2

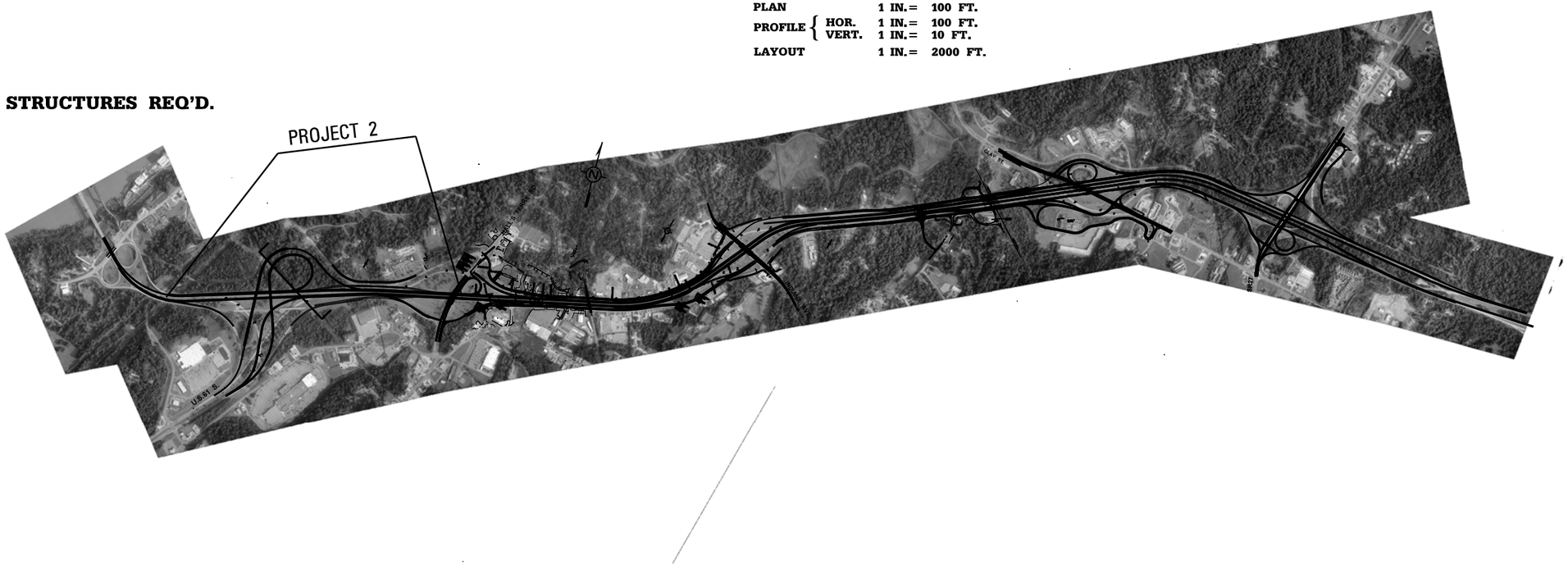
SCALES

PLAN		1 IN. = 100 FT.
PROFILE	HOR.	1 IN. = 100 FT.
	VERT.	1 IN. = 10 FT.
LAYOUT		1 IN. = 2000 FT.



NOTE
★ INDICATES APPROXIMATE LOCATION OF PROJECT.

BRIDGE STRUCTURES REQ'D.



DESIGN CONTROL
_____ MPH = V (SPEED DESIGN)
ADT (____) = _____ : ADT (____) = _____
DHV = _____ : D = _____% T = _____%

PERMITS ACQUIRED BY MDOT		
WETLANDS AND WATERS PERMITS (NECESSARY FOR ULTIMATE IMPROVEMENTS ONLY):	WATERS	WETLANDS
NATIONWIDE #14	☐	☐
NATIONWIDE (OTHER)*	☐	☐
GENERAL*	☐	☐
INDIVIDUAL (404)*	☐	☐

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

STORMWATER PERMIT ☐	
Y	REQUIRED, CNOI SUBMITTED BY MDOT (DISTRIBUTED AREA≥5 ACRES+KNTB 6484)
S	REQUIRED, SCNOI TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES)KNTB 6483)
N	NO STORMWATER PERMIT REQUIRED (<1 ACRE)

APPROVED BY: _____ DATE: _____

CONVENTIONAL SYMBOLS

COUNTY LINE
TOWN CORPORATION LINE
SECTION LINE
EXISTING ROAD OR TRAVELED WAY
PROPOSED ROAD OR TRAVELED WAY
RAILROAD
SURVEY LINE
BRIDGES

EQUATIONS

EXCEPTIONS

LENGTH DATA

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

REVISIONS: DATE | BY

APPROVED:

CHIEF ENGINEER — DATE

EXECUTIVE DIRECTOR — DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

APPROVED:

DIVISION ADMINISTRATOR — DATE

FEDERAL HIGHWAY ADMINISTRATION
DEPARTMENT OF TRANSPORTATION

TITLE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/6/2012 14:20:14 TITLE ALTERNATIVE B-2.DGN

STATE	PROJECT NO.
MISS.	

DESCRIPTION OF SHEET	WKG. NO.	SH. NO.
TITLE SHEET (1)		
DETAIL INDEX (2)		
DETAILED INDEX	*DI2-1, -2*	
TYPICAL SECTIONS (7)		
-DETOURS TO IMPROVE VERTICAL ALIGNMENTS AT I-20 E.B. & W.B. STA 75+00+/-	*TS2-1*	
-INTERCHANGE LOOP RAMP - N.E. QUADRANT OF HALL'S FERRY RD.	*TS2-2*	
-INTERCHANGE RAMP - US61S N.B. TO I-20 W.B.	*TS2-3*	
-INTERCHANGE RAMP - I-20 W.B. TO US61S S.B.	*TS2-4*	
-I-20 W.B. & E.B. STA 38+00 TO 85+65.86 BK = 61+50 AH	*TS2-5*	
-INTERCHANGE RAMP US61S N.B. TO I-20 E.B.	*TS2-6*	
-I-20 W.B. & E.B. STA 85+65.86 BK = 61+50 AH TO 92+00	*TS2-7*	
CONSTRUCTION PLAN (14)		
PROJECT 2 - PHASE A		
PROJECT 2 - PHASE B		
PROJECT 2 - PHASE C		
PROJECT 2 - PHASE D		
PROJECT 2 - PHASE E		
PROJECT 2 - PHASE F (2 SHEETS)		
PROJECT 2 - PHASE G		
PROJECT 2 - PHASE G1		
PROJECT 2 - PHASE H (2 SHEETS)		
PROJECT 2 - PHASE H1		
PROJECT 2 - PHASE I		
PROJECT 2 - PHASE J		

DGN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/17/2011 14:30:38 INDEX.DGN

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

Detailed Index

WORKING NUMBER
DI2-1

SHEET NUMBER

FILENAME: INDEX.DGN
DESIGN TEAM _____ CHECKED _____ DATE _____

STATE	PROJECT NO.
MISS.	

DESCRIPTION OF SHEET	WKG. NO.	SH. NO.
PLAN & PROFILE SHEETS (21)		
-RELOCATED N. FRONTAGE RD. (DETOUR 3-1.DGN)	2A-1	
-LOOP AT I-20/HALL'S FERRY RD. (LP2-1.DGN)	2B-1	
-DETOUR ROAD TO REGRADE I-20 W.B. (DETOUR2-1&2.DGN) (DET2CON.DGN)	2C-1, -2, -3	
-I-20 W.B. STA 69+00 TO 85+65.86 = 61+24.63 TO 69+94.35 (20WB-2&3.DGN)	2D-1, -2	
-RAMP US61S N.B. TO I-20 W.B. (61S_REV1 & 2.DGN)	2E-1, -2	
-RAMP I-20 W.B. TO US61S (61SSB_NB2-1 & 2.DGN)	2F-1, -2	
-DETOUR ROAD TO REGRADE I-20 E.B. (DETOUR1-1.DGN)	2G-1, -2	
-I-20 E.B. STA 39+00 TO 69+94.35 BK (20EB-1 THRU 3.DGN)	2H-1, -2, -3	
-RAMP US61S N.B. TO I-20 E.B. (US61S-NB-E1.DGN)	2H-4	
-RAMP US61S N.B. TO I-20 E.B. (CLOSE GAP) 9US61S-NB-E1-PHASE-1.DGN)	2I-1	
-I-20 E.B. EXIT RAMP TO HALL'S FERRY RD (RAMP3-1-PHASE 1.DGN)	2I-2	
-RAMP I-20 E.B. TO US61S SB (5-1&2.DGN)	2J-1, -2	
BRIDGE TYPICAL SECTIONS (5)		
-RAMP I-20 W.B. TO US61S SB	BTS2-1	
-RAMP US61S N.B. TO I-20 W.B.	BTS2-2	
-HALL'S FERRY ROAD WIDENING	BTS2-3, -4, -5	

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/17/2011 14:30:57 INDEX.DGN

REVISION | BY | DATE

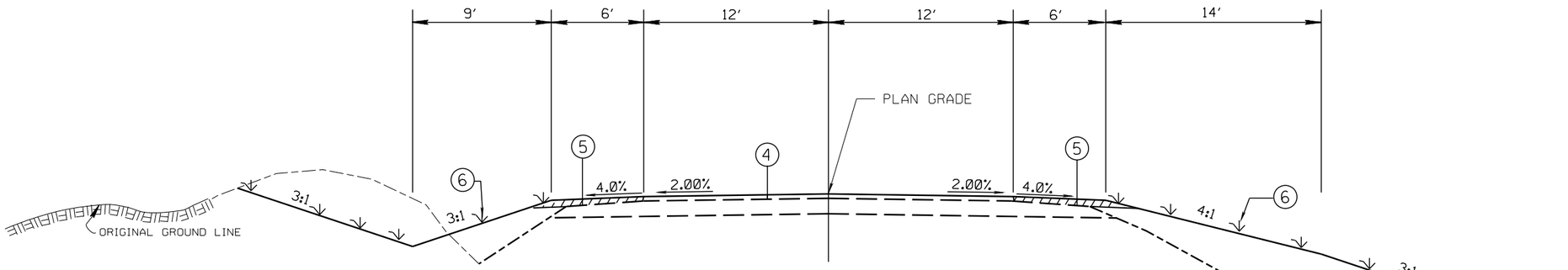
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

Detailed Index

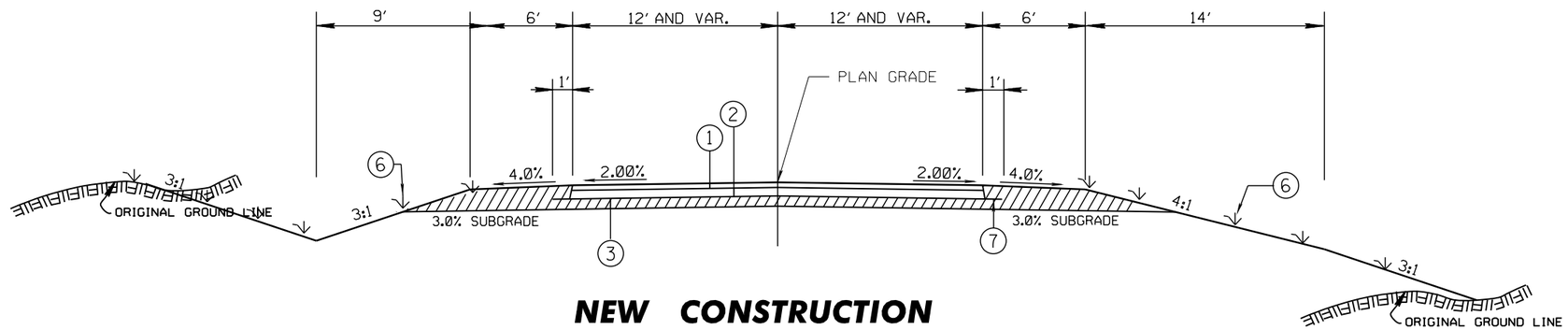
WORKING NUMBER
DI2-2
SHEET NUMBER

FILENAME: INDEX.DGN
DESIGN TEAM ____ CHECKED ____ DATE ____

STATE	PROJECT NO.
MISS.	



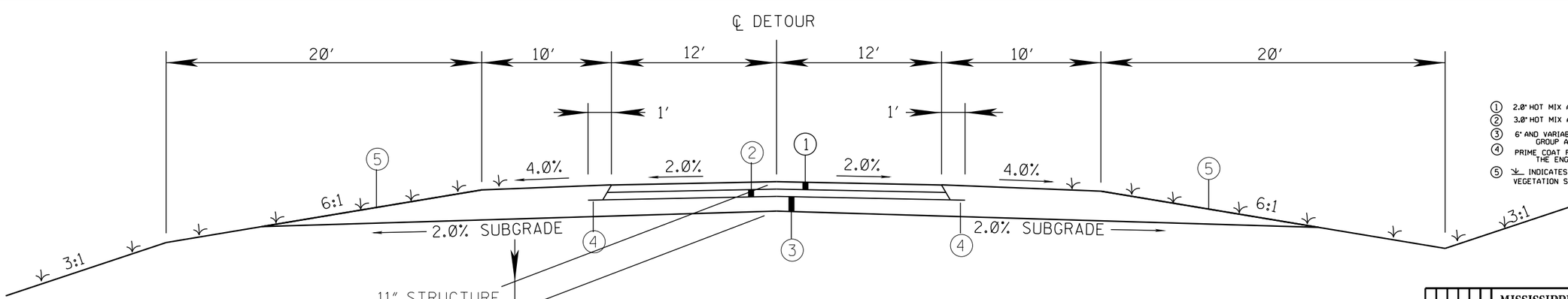
WIDENING & OVERLAY



NEW CONSTRUCTION

RELOCATED LOCAL RD. LT OF I-20 STA. 75+00

1. 3" HOT BITUMINOUS PAVEMENT (1 @ 1½" SURFACE COURSE AND 1 @ 1½" BINDER COURSE) REQ'D.
2. 6" PLANT MIX BITUMINOUS BASE COURSE REQ'D.
3. 6" AND VARIABLE DEPTH GRANULAR MATERIAL (CLASS 3, GROUP D) REQ'D.
4. 1½" MIN. AND VAR. DEPTH OVERLAY
5. 1½" AND VARIABLE DEPTH GRANULAR MATERIAL (CLASS 3, GROUP D) REQ'D.
6. ⅄ INDICATES AREAS TO BE TREATED IN ACCORDANCE WITH THE VEGETATION SCHEDULE (SEE WK. SH. NO. VS-1)
7. PRIME COAT (MAY BE DELETED WHEN PERMITTED BY THE ENGINEER)
8. COMBINATION CONCRETE CURB AND GUTTER (TYPE 3 MOD.) REQ'D.



1. 2.0" HOT MIX ASPHALT, MT (12.5 mm MIXTURE) (1 @ 2.0") REQ'D.
2. 3.0" HOT MIX ASPHALT, MT (19 mm MIXTURE) (1 @ 3.0") REQ'D.
3. 6" AND VARIABLE DEPTH GRANULAR MATERIAL (CLASS 9, GROUP A) REQ'D.
4. PRIME COAT REQ'D. (MAY BE DELETED WHEN PERMITTED BY THE ENGINEER).
5. ⅄ INDICATES AREAS TO BE TREATED IN ACCORDANCE WITH THE VEGETATION SCHEDULE (SEE WK. SH. NO. VS-1)

TYPICAL SECTION
DETOURS-I-20 W.B. & E.B. @ STA. 75+00
WHILE REGRADING VERTICAL ALIGNMENTS

$FILES

$DATES

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

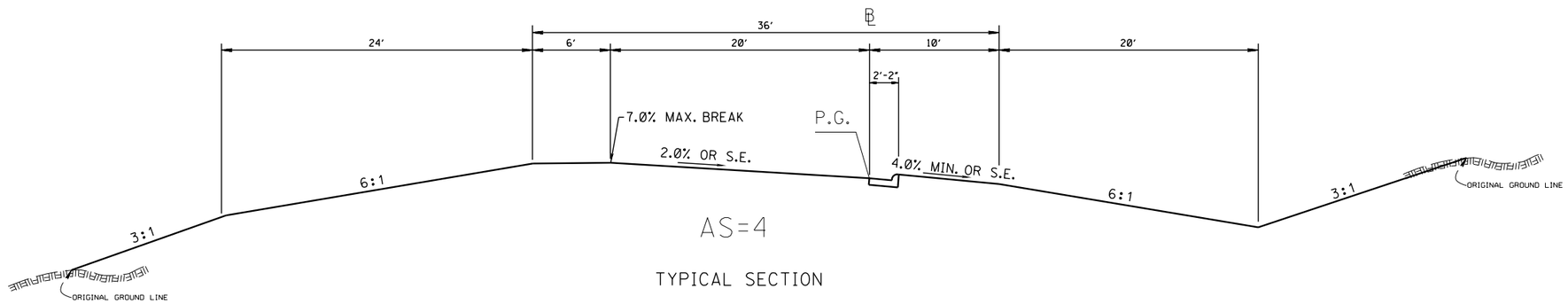
DETOURS TO IMPROVE VERTICAL ALIGNMENTS
AT I-20 E.B. & W.B. STA. 75+00+/-

PROJECT NO.
COUNTY:
FILENAME:
DESIGN TEAM ____ CHECKED ____ DATE ____

WORKING NUMBER
TS2-1
SHEET NUMBER

COUNTY:
DESIGN TEAM: NEEL-SCHAFFER
PROJECT NO.: 2 PHASE A1, C1-3, G1
FILENAME:

STATE	PROJECT NO.
MISS.	



AS=4

TYPICAL SECTION

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

INTERCHANGE LOOP RAMP
N.E. QUADRANT OF HALL'S FERRY RD.

PROJECT NO.
COUNTY:
FILENAME:
DESIGN TEAM ____ CHECKED ____ DATE ____

WORKING NUMBER
TS2-2
SHEET NUMBER

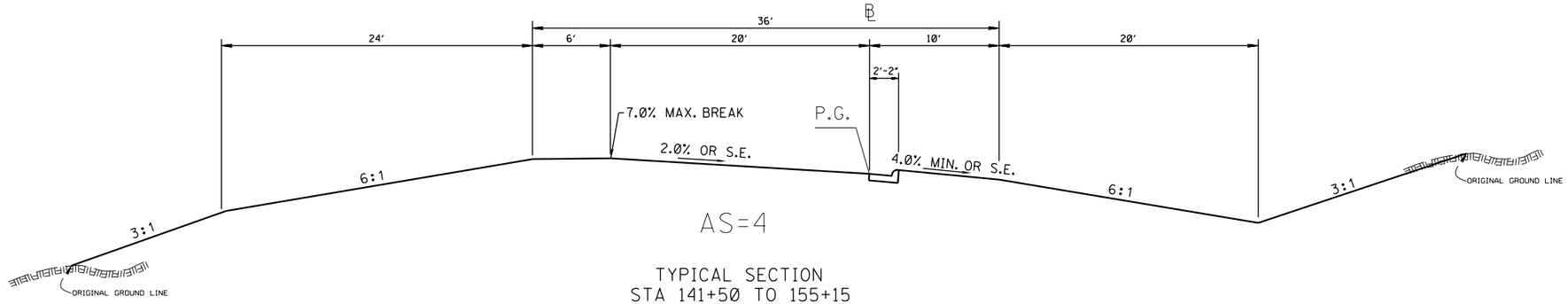
$FILE$

$DATE$

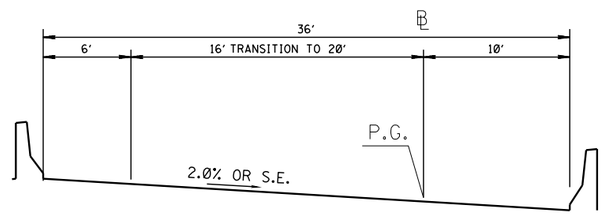
COUNTY:
DESIGN TEAM: NEEL-SCHAFFER

PROJECT NO.: 2 PHASE B
FILENAME:

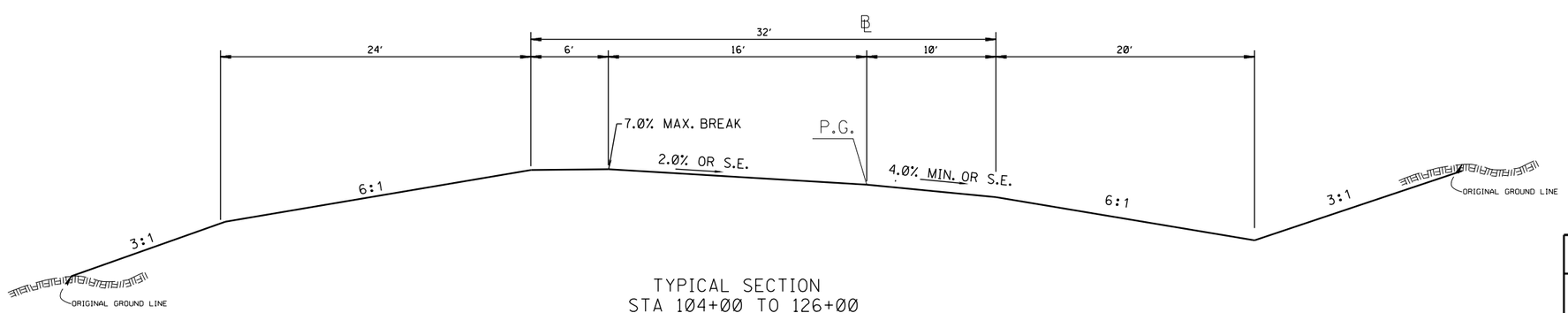
STATE	PROJECT NO.
MISS.	



TYPICAL SECTION
STA 141+50 TO 155+15



TYPICAL SECTION
STA 126+00 TO 141+50



TYPICAL SECTION
STA 104+00 TO 126+00

$FILE$

$DATE$

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

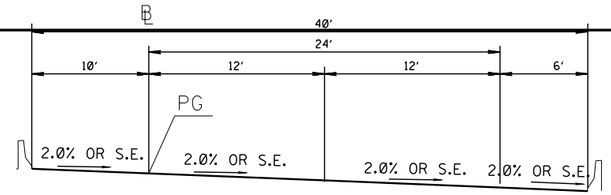
INTERCHANGE RAMP
US61S N.B. TO I-20 W.B.

PROJECT NO.
COUNTY:
FILENAME:
DESIGN TEAM_____ CHECKED_____ DATE_____

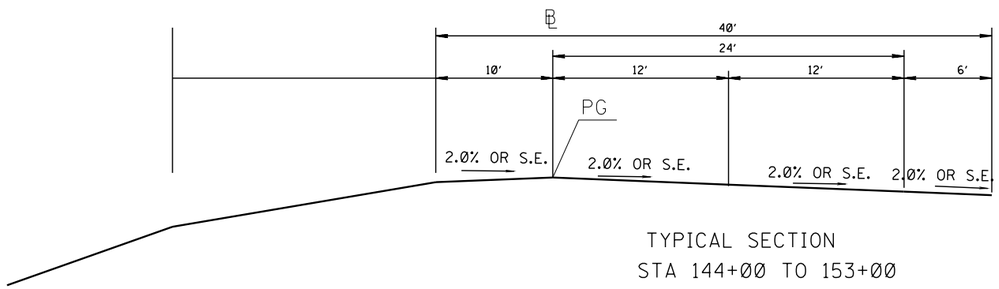
WORKING NUMBER
TS2-3
SHEET NUMBER

COUNTY:
DESIGN TEAM: NEEL-SCHAFFER
PROJECT NO.: 2 PHASE E
FILENAME:

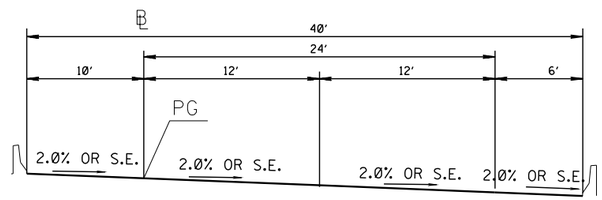
STATE	PROJECT NO.
MISS.	



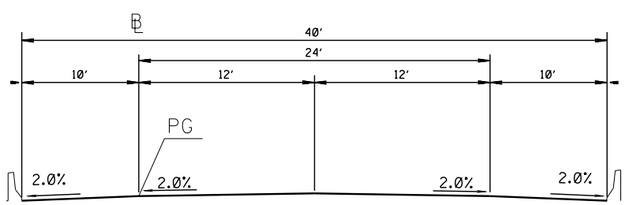
TYPICAL SECTION
BRIDGE (STA 133+00 TO 144+00)



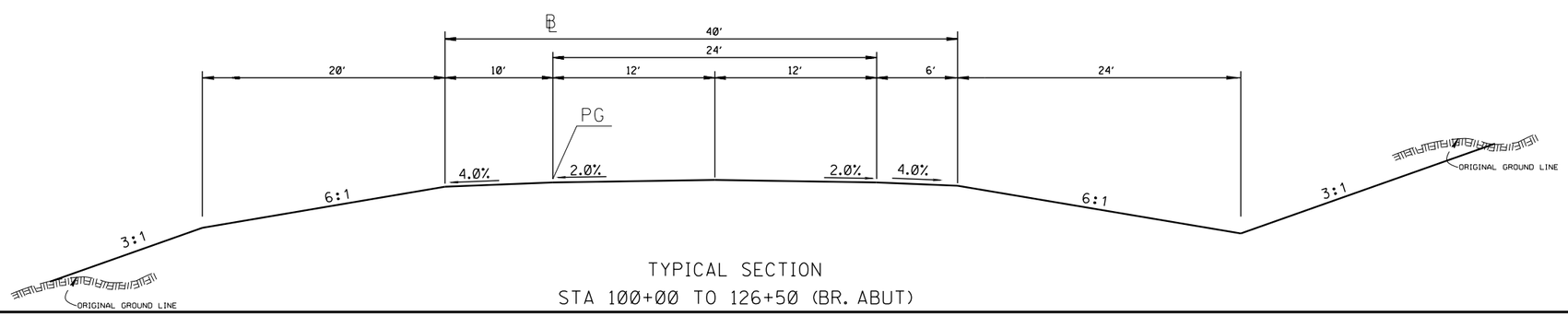
TYPICAL SECTION
STA 144+00 TO 153+00



TYPICAL SECTION
BRIDGE (STA 133+00 TO 144+00)



TYPICAL SECTION
STA 126+50 (BR. ABUT) TO 133+00



TYPICAL SECTION
STA 100+00 TO 126+50 (BR. ABUT)

$FILES

$DATES

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

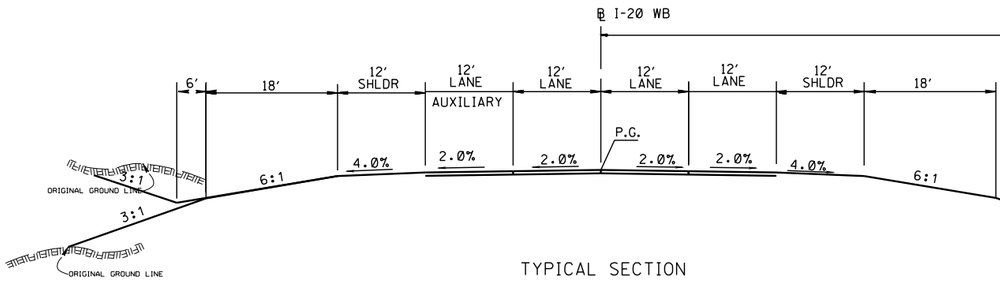
INTERCHANGE RAMP
US61S - I-20 W.B. TO US61 S.B.

PROJECT NO.
COUNTY:
FILENAME:
DESIGN TEAM_____ CHECKED_____ DATE_____

WORKING NUMBER
TS2-4
SHEET NUMBER

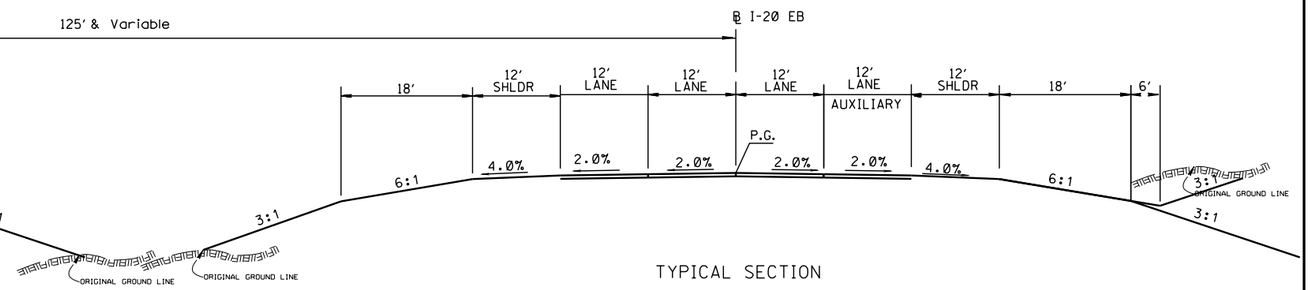
COUNTY:
DESIGN TEAM: NEEL-SCHAFFER
PROJECT NO.: 2 PHASE F
FILENAME:

STATE	PROJECT NO.
MISS.	



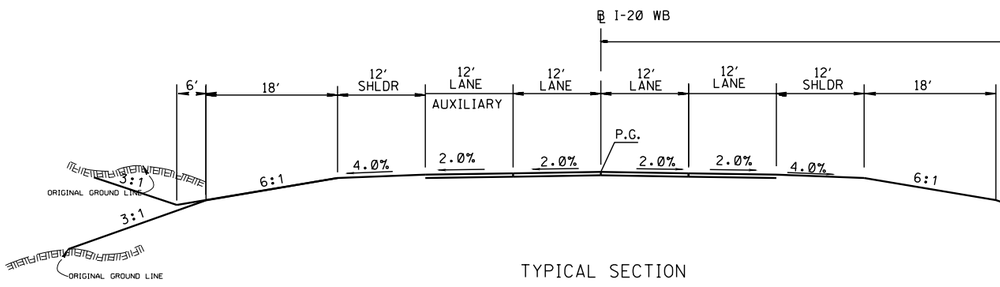
TYPICAL SECTION

I-20 W.B. (STA 78+00 TO 85+65.86 BK=61+50 AH) TO STA 68+00



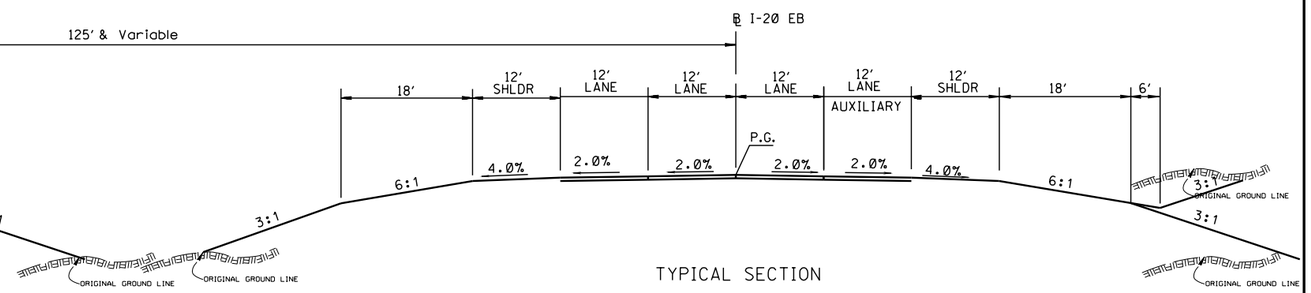
TYPICAL SECTION

I-20 E.B. (STA 79+00 TO 87+42.51 BK=61+50 AH)



TYPICAL SECTION

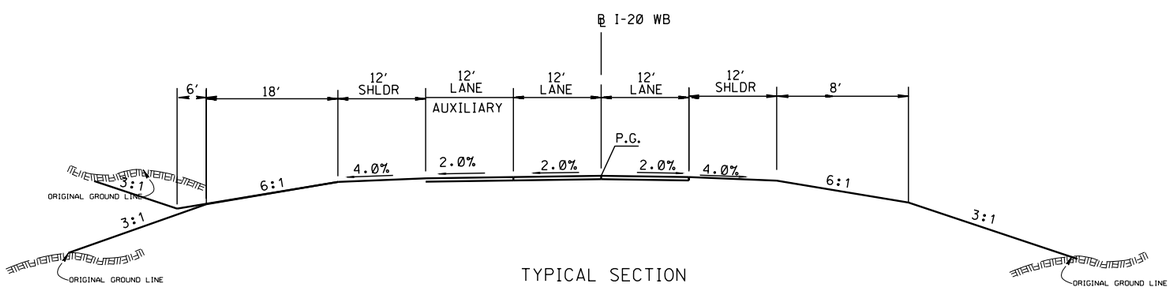
I-20 W.B. (STA 66+00 TO 78+00)



TYPICAL SECTION

I-20 E.B. (STA 70+00 TO 79+00)

PHASE H



TYPICAL SECTION

I-20 W.B. (STA 38+00 TO 66+00)

PHASE D

$FILE$

$DATE$

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

I-20 WESTBOUND & EASTBOUND
STA 38+00 TO 85+65.86 BK=61+50 AH

PROJECT NO.
COUNTY:

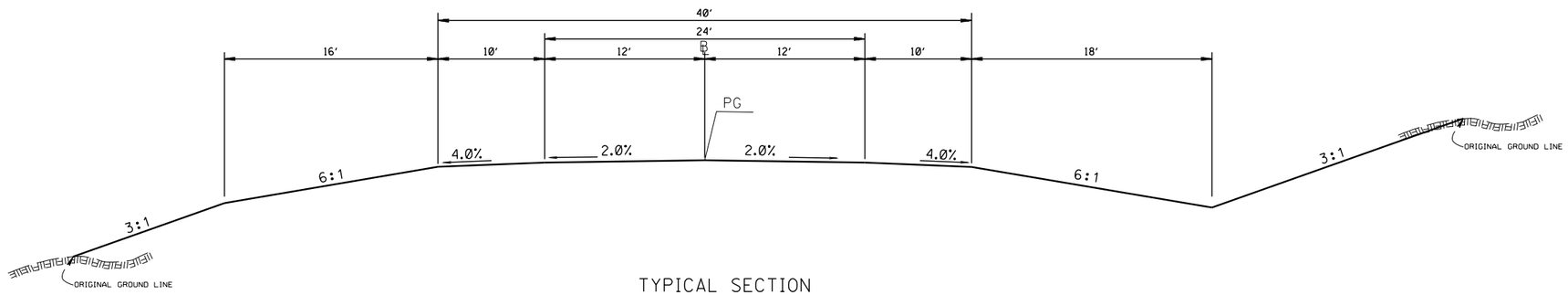
WORKING NUMBER
TS2-5
SHEET NUMBER

FILENAME:
DESIGN TEAM CHECKED DATE

COUNTY:
DESIGN TEAM: NEEL-SCHAFFER

PROJECT NO.: 2 PHASE D, H
FILENAME:

STATE	PROJECT NO.
MISS.	



TYPICAL SECTION
STA 103+00 TO 130+85

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

INTERCHANGE RAMP
US61S N.B. TO I-20 E.B.

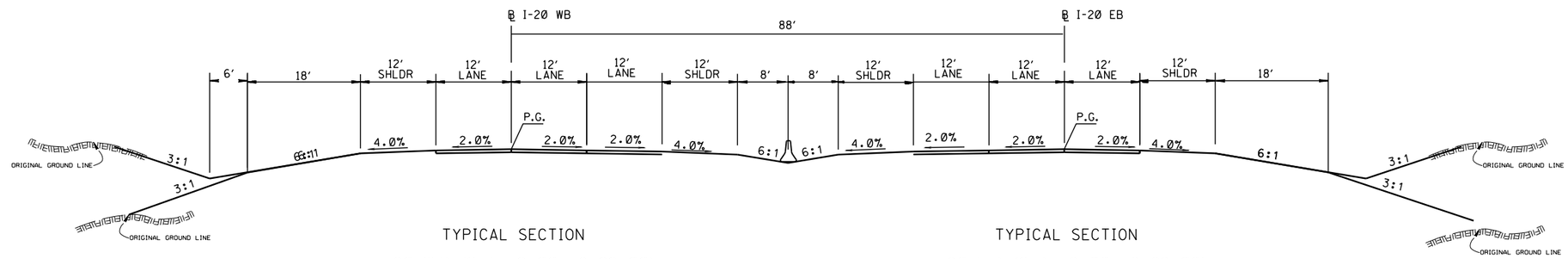
PROJECT NO.
COUNTY:
FILENAME:
DESIGN TEAM CHECKED DATE

WORKING NUMBER
TS2-6
SHEET NUMBER

$FILE$
$DATE$

COUNTY:
DESIGN TEAM: NEEL-SCHAFFER
PROJECT NO.: 2 PHASE H4
FILENAME:

STATE	PROJECT NO.
MISS.	

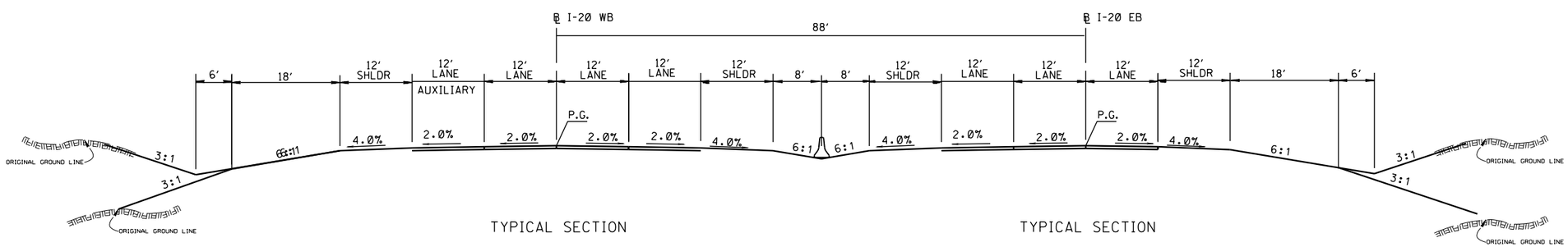


TYPICAL SECTION

I-20 W.B. (STA 79+00 TO 92+00)

TYPICAL SECTION

I-20 E.B. (STA 79+00 TO 92+00)



TYPICAL SECTION

I-20 W.B. (STA 85+65.86 BK=61+50 AH TO 79+00)

TYPICAL SECTION

I-20 E.B. (STA 85+65.86 BK=61+50 AH TO 79+00)

$FILE$

$DATE$

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

I-20 WESTBOUND & EASTBOUND
STA 85+65.86 BK=61+50 AH TO 92+00

PROJECT NO.
COUNTY:
FILENAME:
DESIGN TEAM CHECKED DATE

WORKING NUMBER
TS2-7
SHEET NUMBER

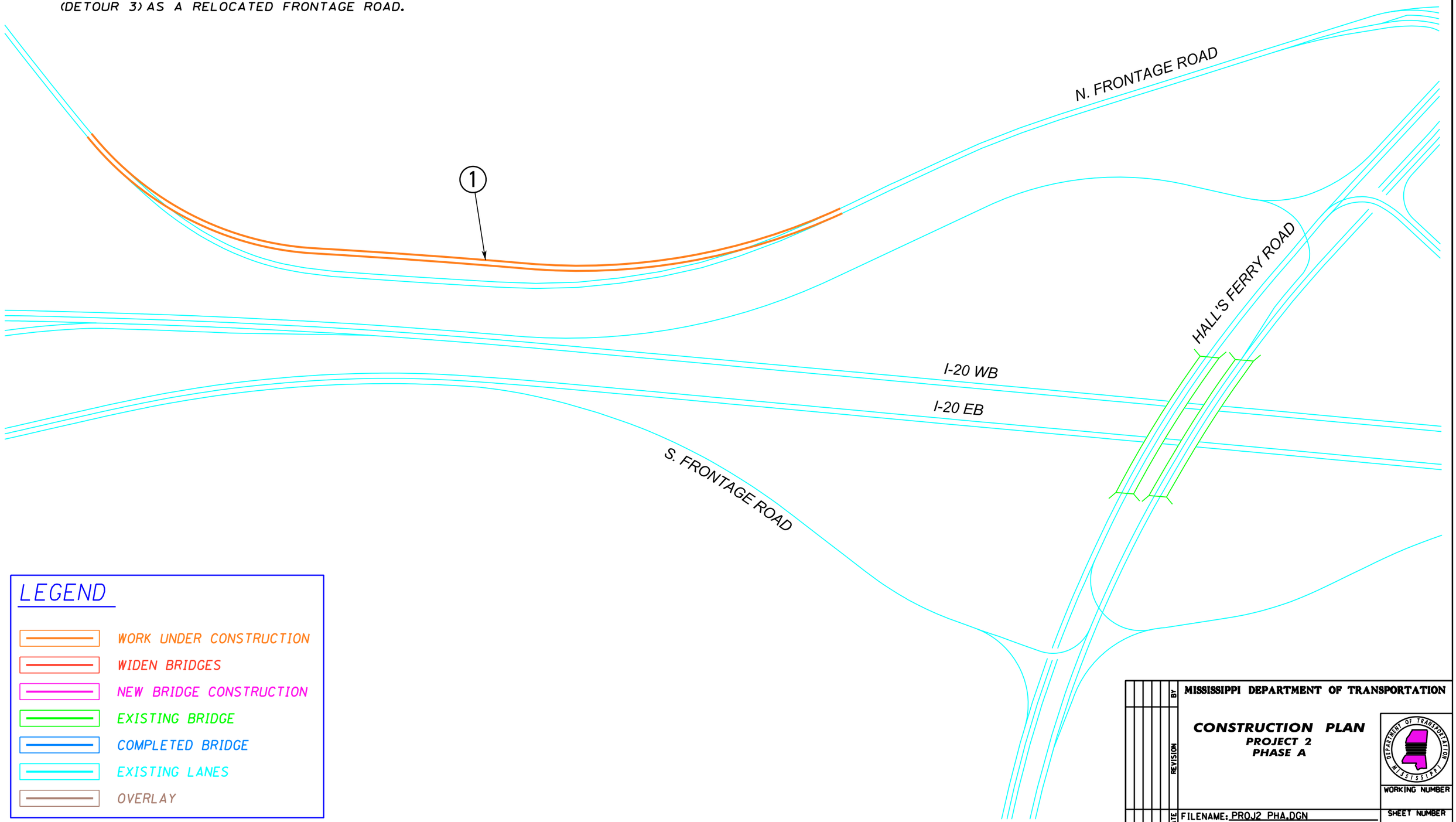
COUNTY:
DESIGN TEAM: NEEL-SCHAFFER
PROJECT NO.: 2 PHASE H3
FILENAME:

STATE	PROJECT NO.
MISS.	

NARRATIVE

PROJECT 2
PHASE A

1. CONSTRUCT NORTHERN FRONTAGE ROAD (DETOUR 3) AS A RELOCATED FRONTAGE ROAD.



LEGEND

- WORK UNDER CONSTRUCTION
- WIDEN BRIDGES
- NEW BRIDGE CONSTRUCTION
- EXISTING BRIDGE
- COMPLETED BRIDGE
- EXISTING LANES
- OVERLAY

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 2
PHASE A

WORKING NUMBER

SHEET NUMBER

FILENAME: PROJ2 PHA.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

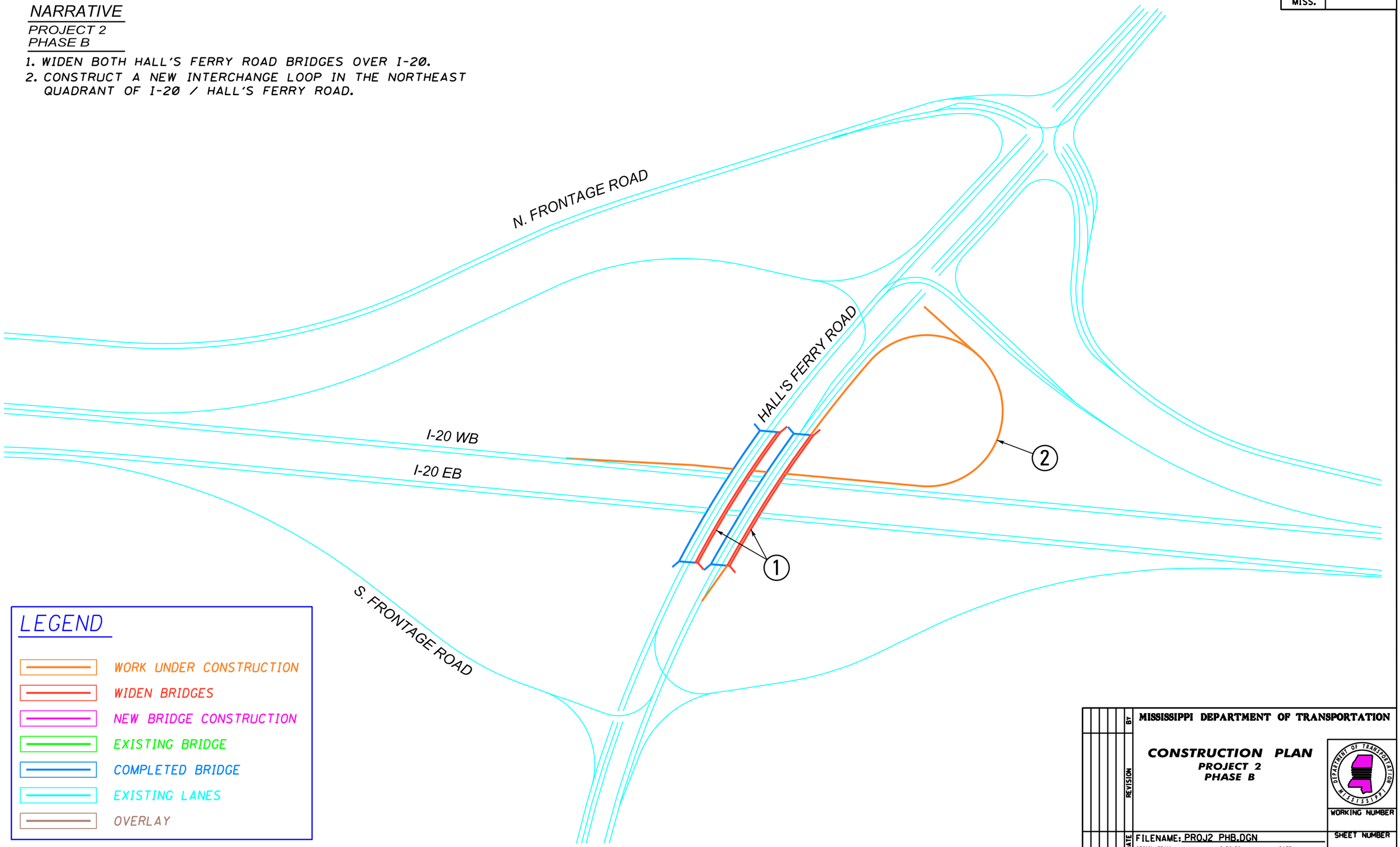
2/18/2011 09:36:05 PROJ2 PHA.DGN
R.O.W. ROADWAY DESIGN DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION

STATE	PROJECT NO.
MISS.	

NARRATIVE

PROJECT 2
PHASE B

1. WIDEN BOTH HALL'S FERRY ROAD BRIDGES OVER I-20.
2. CONSTRUCT A NEW INTERCHANGE LOOP IN THE NORTHEAST QUADRANT OF I-20 / HALL'S FERRY ROAD.



MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 2
PHASE B

WORKING NUMBER

SHEET NUMBER

FILENAME: PROJ2 PHB.DGN
DESIGN TEAM _____ CHECKED _____ DATE _____

REVISION | BY | DATE

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

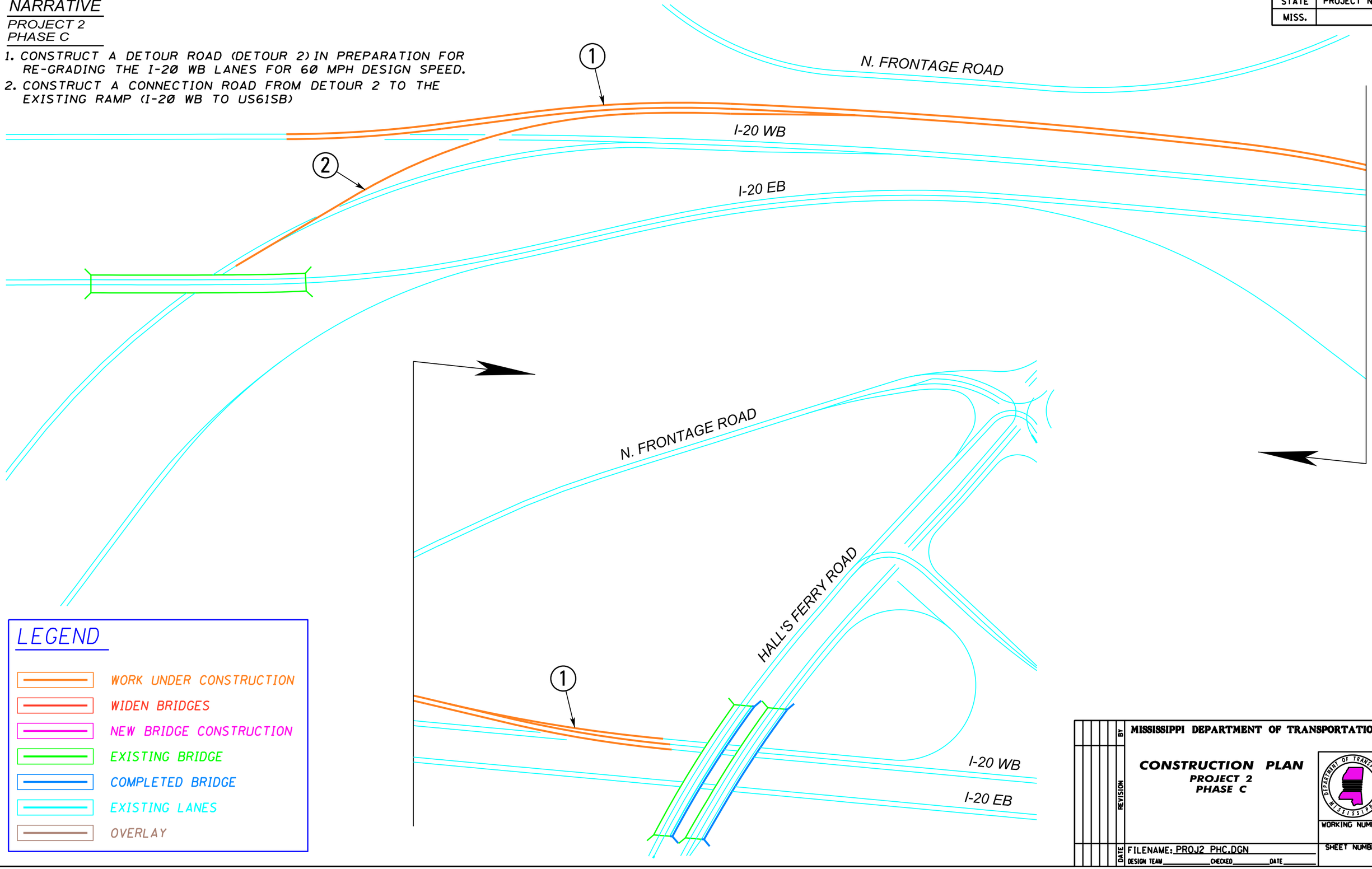
2/16/2011 09:46:17 PROJ2 PHB.DGN

STATE	PROJECT NO.
MISS.	

NARRATIVE

PROJECT 2
PHASE C

1. CONSTRUCT A DETOUR ROAD (DETOUR 2) IN PREPARATION FOR RE-GRADING THE I-20 WB LANES FOR 60 MPH DESIGN SPEED.
2. CONSTRUCT A CONNECTION ROAD FROM DETOUR 2 TO THE EXISTING RAMP (I-20 WB TO US61SB)



LEGEND

- WORK UNDER CONSTRUCTION
- WIDEN BRIDGES
- NEW BRIDGE CONSTRUCTION
- EXISTING BRIDGE
- COMPLETED BRIDGE
- EXISTING LANES
- OVERLAY

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 2
PHASE C

WORKING NUMBER

FILENAME: PROJ2 PHC.DGN
DESIGN TEAM _____ CHECKED _____ DATE _____

SHEET NUMBER

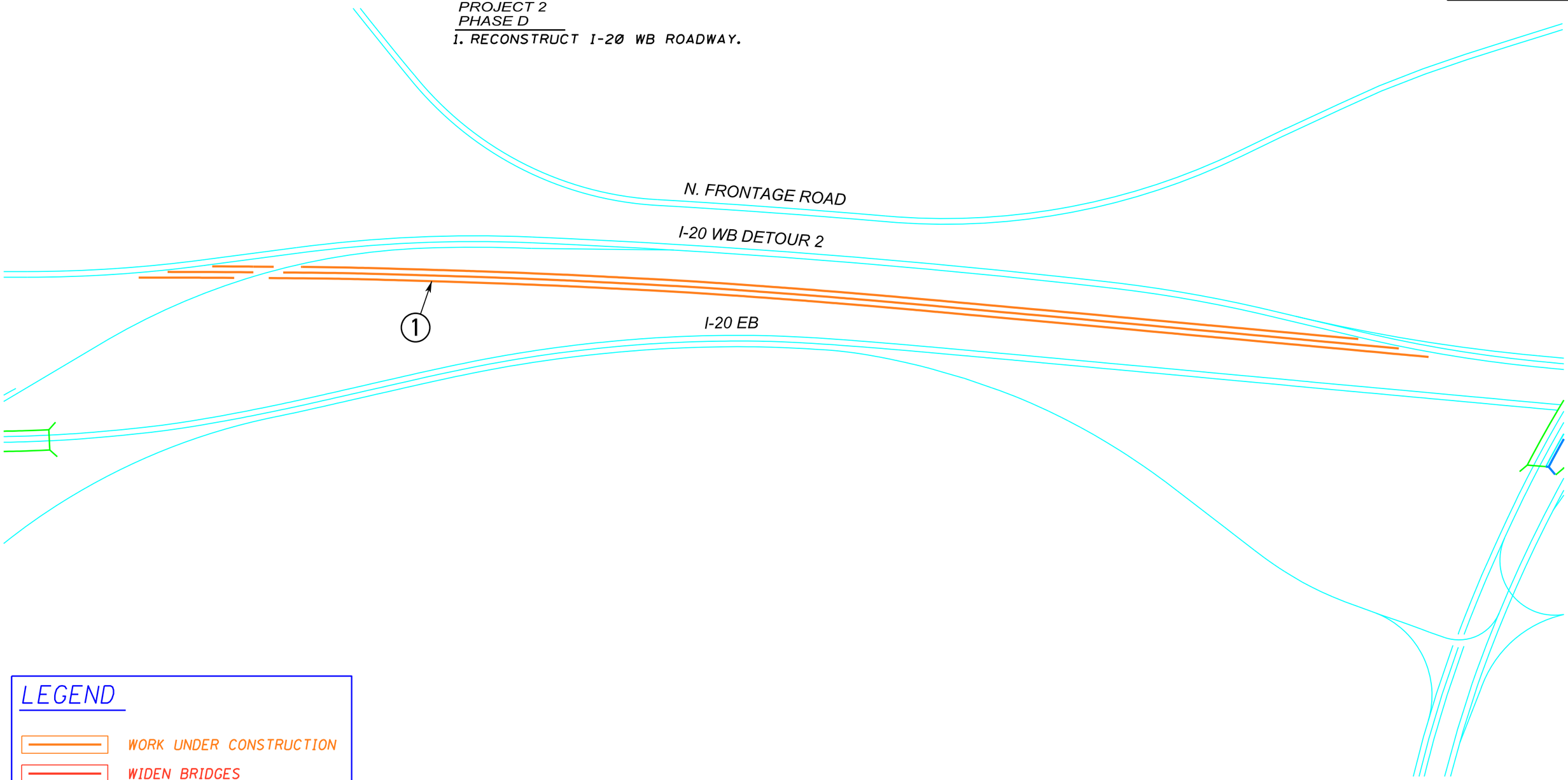
PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
2/18/2011 09:42:48 PROJ2 PHC.DGN

STATE	PROJECT NO.
MISS.	

NARRATIVE

PROJECT 2
PHASE D

1. RECONSTRUCT I-20 WB ROADWAY.



LEGEND

- WORK UNDER CONSTRUCTION
- WIDEN BRIDGES
- NEW BRIDGE CONSTRUCTION
- EXISTING BRIDGE
- COMPLETED BRIDGE
- EXISTING LANES
- OVERLAY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 2
PHASE D

WORKING NUMBER

SHEET NUMBER

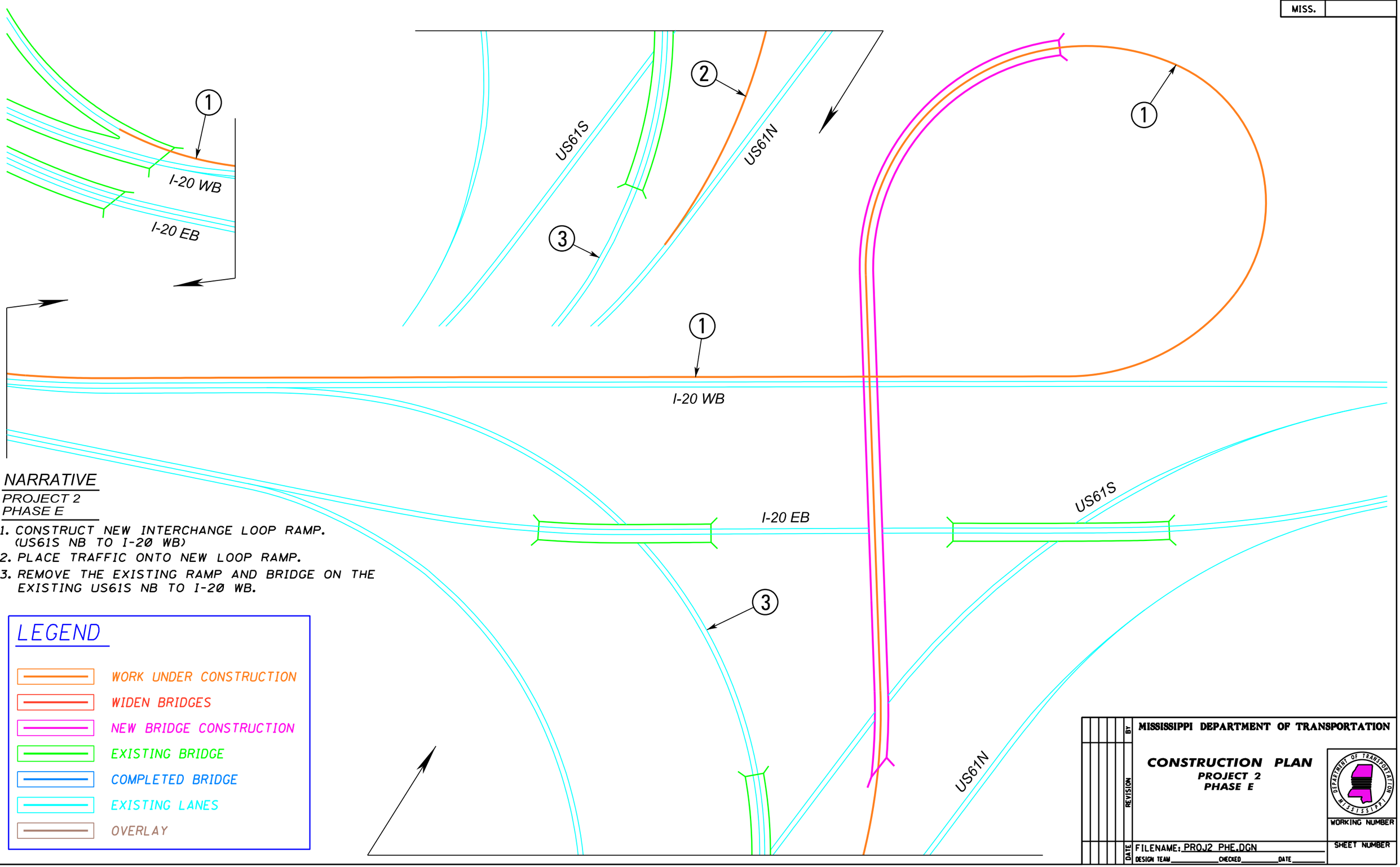
REVISION | BY | DATE

FILENAME: PROJ2 PHD.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

2/16/2011 09:44:21 PROJ2 PHD.DGN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

STATE	PROJECT NO.
MISS.	



NARRATIVE

PROJECT 2
PHASE E

1. CONSTRUCT NEW INTERCHANGE LOOP RAMP. (US61S NB TO I-20 WB)
2. PLACE TRAFFIC ONTO NEW LOOP RAMP.
3. REMOVE THE EXISTING RAMP AND BRIDGE ON THE EXISTING US61S NB TO I-20 WB.

LEGEND

- WORK UNDER CONSTRUCTION
- WIDEN BRIDGES
- NEW BRIDGE CONSTRUCTION
- EXISTING BRIDGE
- COMPLETED BRIDGE
- EXISTING LANES
- OVERLAY

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 2
PHASE E

WORKING NUMBER

SHEET NUMBER

FILENAME: PROJ2 PHE.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

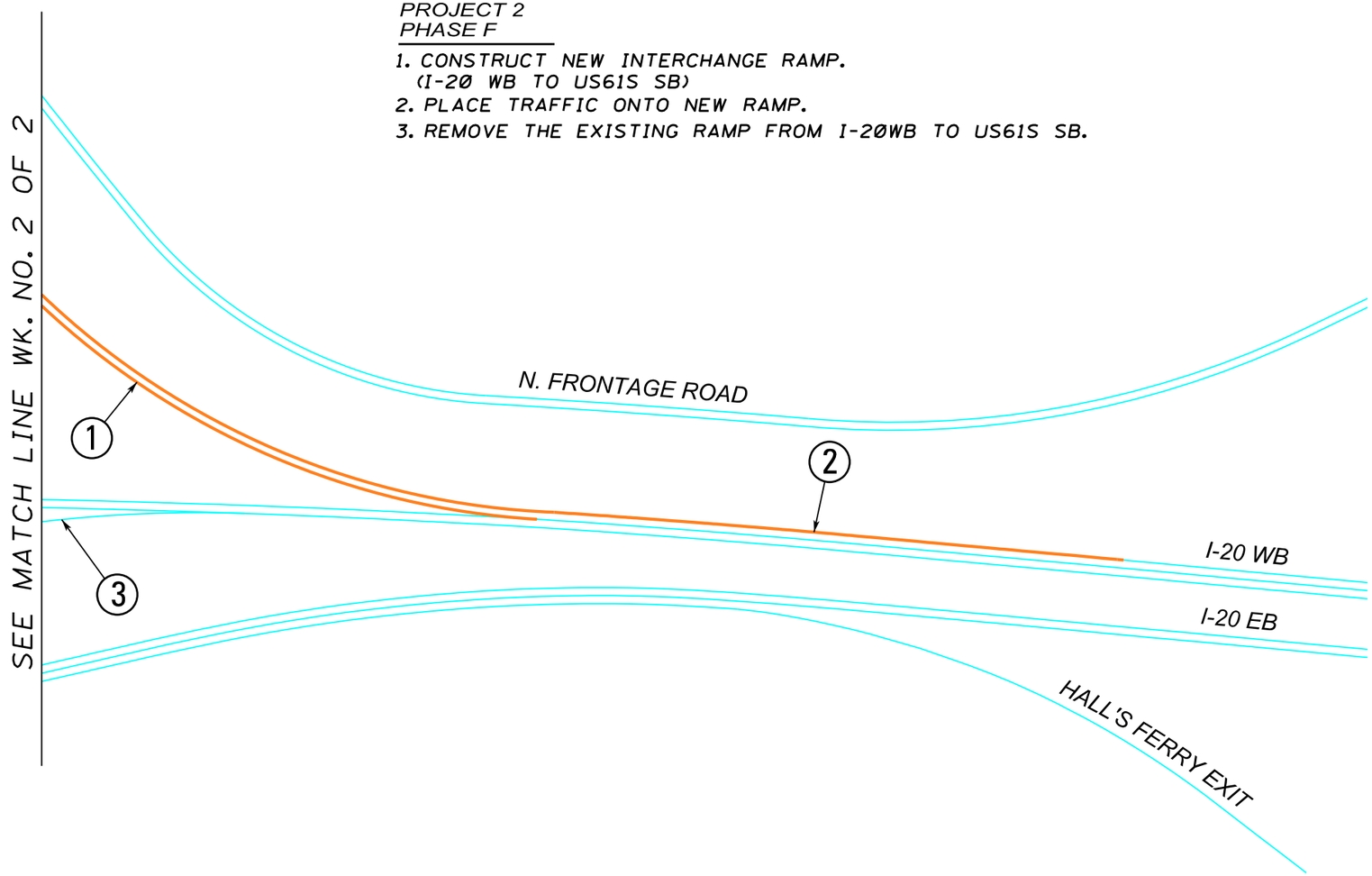
2/18/2011 09:46:39 PROJ2 PHE.DGN
PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

STATE	PROJECT NO.
MISS.	

NARRATIVE

PROJECT 2
PHASE F

1. CONSTRUCT NEW INTERCHANGE RAMP. (I-20 WB TO US61S SB)
2. PLACE TRAFFIC ONTO NEW RAMP.
3. REMOVE THE EXISTING RAMP FROM I-20WB TO US61S SB.



LEGEND

- WORK UNDER CONSTRUCTION
- WIDEN BRIDGES
- NEW BRIDGE CONSTRUCTION
- EXISTING BRIDGE
- COMPLETED BRIDGE
- EXISTING LANES
- OVERLAY

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 2
PHASE F

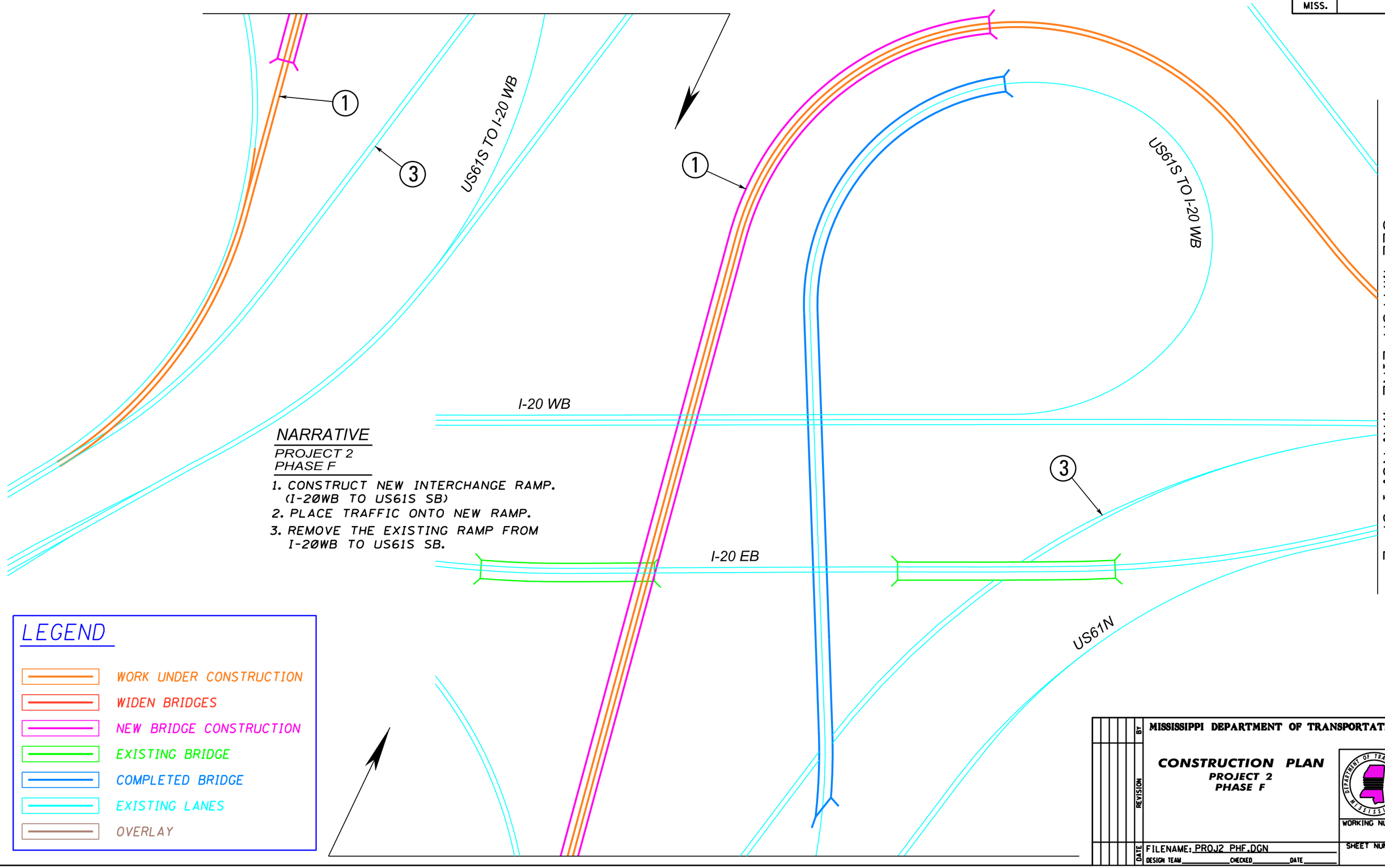
WORKING NUMBER

SHEET NUMBER

FILENAME: PROJ2 PHF.DGN
DESIGN TEAM _____ CHECKED _____ DATE _____

2/19/2011 09:49:03 PROJ2 PHF.DGN
PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

STATE	PROJECT NO.
MISS.	



NARRATIVE

PROJECT 2
PHASE F

1. CONSTRUCT NEW INTERCHANGE RAMP. (I-20WB TO US61S SB)
2. PLACE TRAFFIC ONTO NEW RAMP.
3. REMOVE THE EXISTING RAMP FROM I-20WB TO US61S SB.

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 2
PHASE F

WORKING NUMBER

SHEET NUMBER

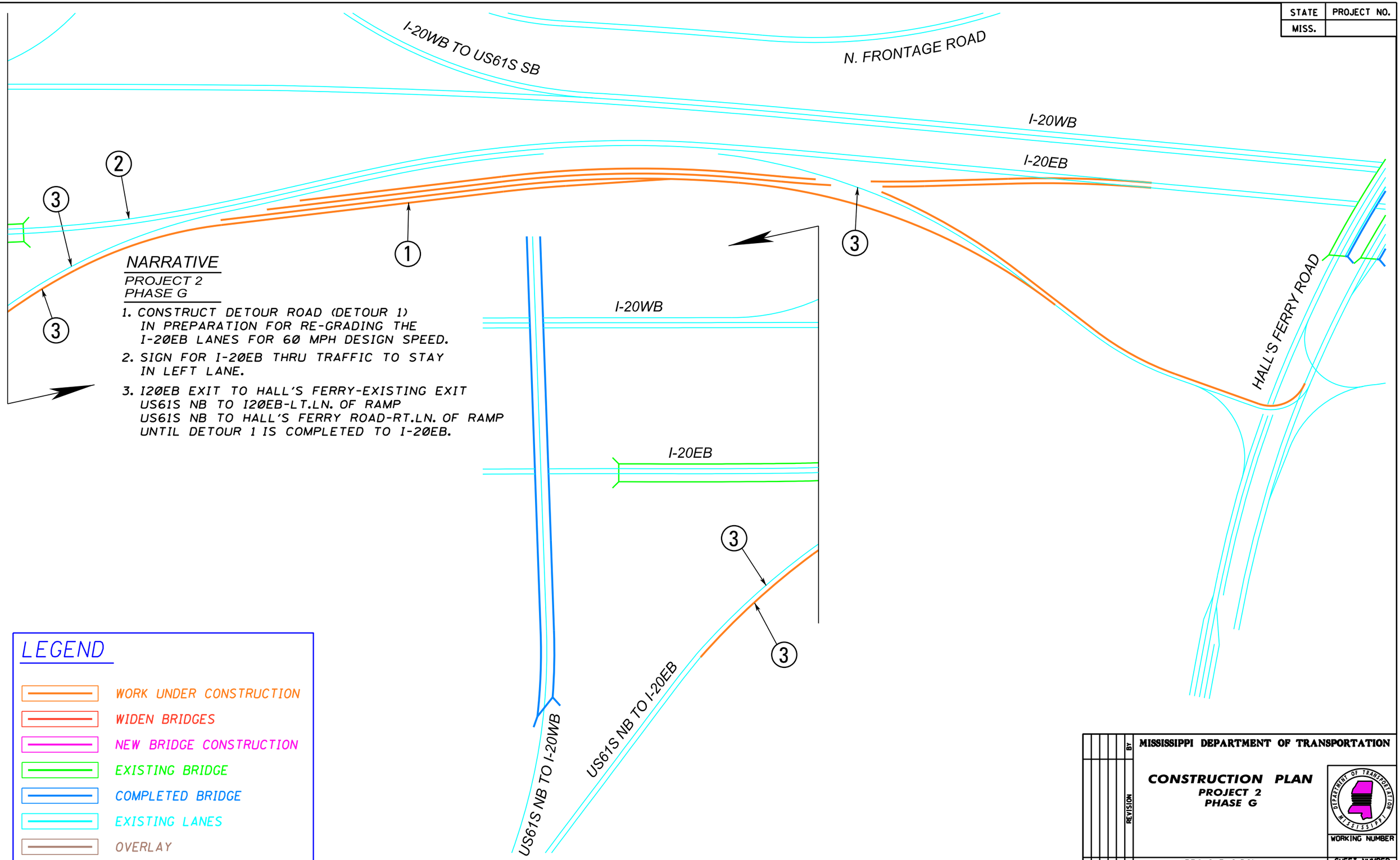
FILENAME: PROJ2 PHF.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

2/18/2011 09:48:42 PROJ2 PHF.DGN

ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

STATE	PROJECT NO.
MISS.	



NARRATIVE

PROJECT 2
PHASE G

1. CONSTRUCT DETOUR ROAD (DETOUR 1) IN PREPARATION FOR RE-GRADING THE I-20EB LANES FOR 60 MPH DESIGN SPEED.
2. SIGN FOR I-20EB THRU TRAFFIC TO STAY IN LEFT LANE.
3. I20EB EXIT TO HALL'S FERRY-EXISTING EXIT US61S NB TO I20EB-LT.LN. OF RAMP US61S NB TO HALL'S FERRY ROAD-RT.LN. OF RAMP UNTIL DETOUR 1 IS COMPLETED TO I-20EB.

LEGEND

- WORK UNDER CONSTRUCTION
- WIDEN BRIDGES
- NEW BRIDGE CONSTRUCTION
- EXISTING BRIDGE
- COMPLETED BRIDGE
- EXISTING LANES
- OVERLAY

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 2
PHASE G

WORKING NUMBER

SHEET NUMBER

FILENAME: PROJ2 PHC.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

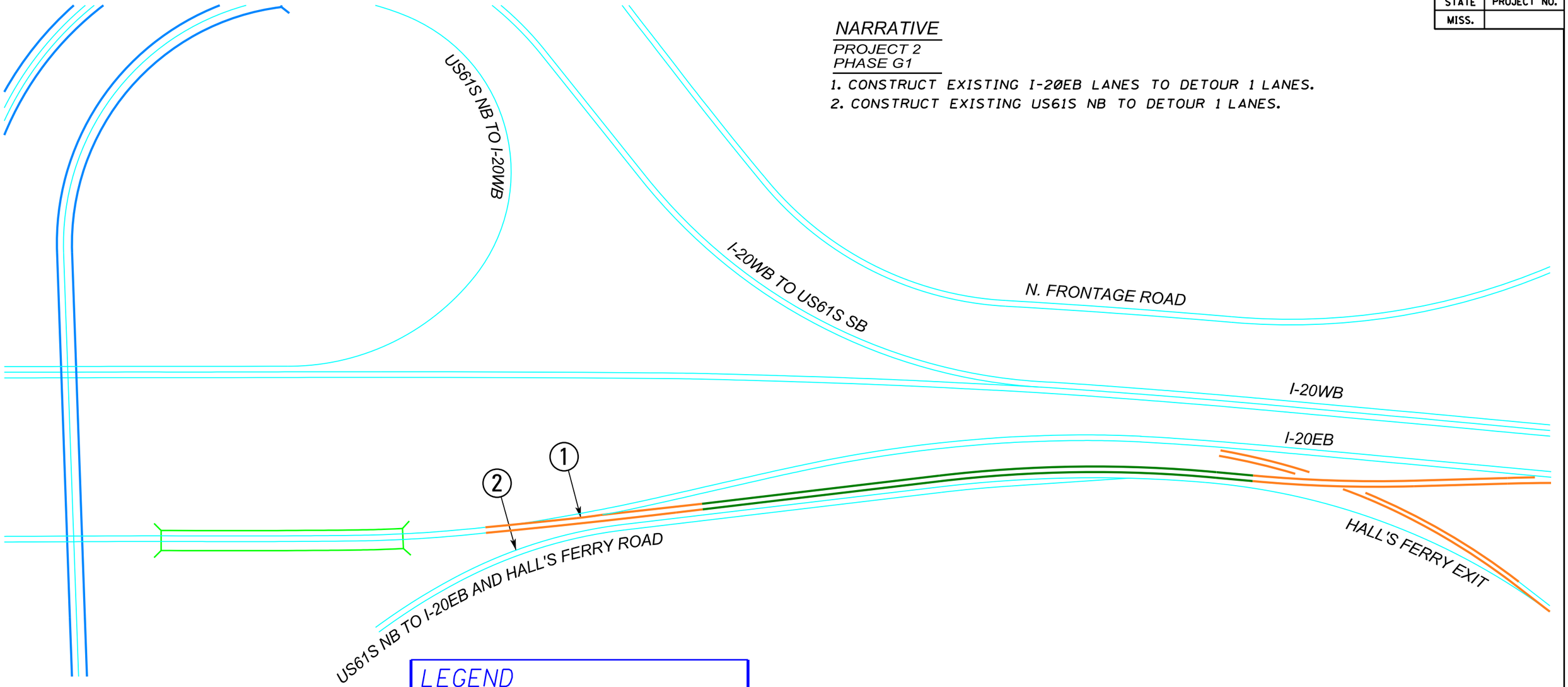
2/18/2011 09:58:44 PROJ2 PHC.DGN
PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

STATE	PROJECT NO.
MISS.	

NARRATIVE

PROJECT 2
PHASE G1

1. CONSTRUCT EXISTING I-20EB LANES TO DETOUR 1 LANES.
2. CONSTRUCT EXISTING US61S NB TO DETOUR 1 LANES.



LEGEND

- WORK UNDER CONSTRUCTION
- WIDEN BRIDGES
- NEW BRIDGE CONSTRUCTION
- EXISTING BRIDGE
- COMPLETED BRIDGE
- EXISTING LANES
- OVERLAY
- COMPLETED ROADWAY (NOT OPEN TO TRAFFIC)

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 2
PHASE G1

WORKING NUMBER

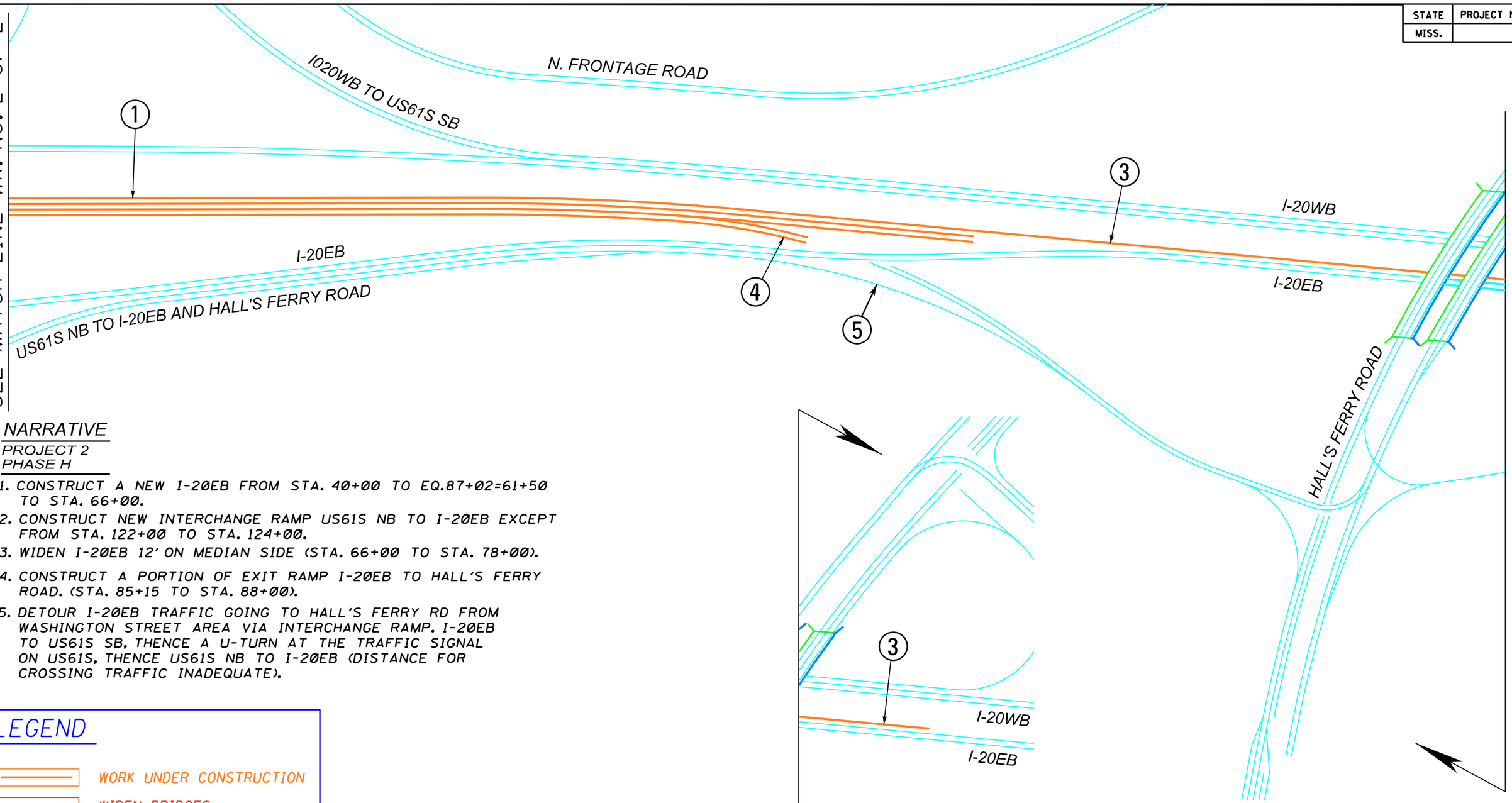
FILENAME: PROJ2 PHG1.DGN
DESIGN TEAM _____ CHECKED _____ DATE _____

SHEET NUMBER

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
2/18/2011 09:52:06 PROJ2 PHG1.DGN

STATE	PROJECT NO.
MISS.	

SEE MATCH LINE WK. NO. 2 OF 2



NARRATIVE

PROJECT 2
PHASE H

1. CONSTRUCT A NEW I-20EB FROM STA. 40+00 TO EQ.87+02=61+50 TO STA. 66+00.
2. CONSTRUCT NEW INTERCHANGE RAMP US61S NB TO I-20EB EXCEPT FROM STA. 122+00 TO STA. 124+00.
3. WIDEN I-20EB 12' ON MEDIAN SIDE (STA. 66+00 TO STA. 78+00).
4. CONSTRUCT A PORTION OF EXIT RAMP I-20EB TO HALL'S FERRY ROAD. (STA. 85+15 TO STA. 88+00).
5. DETOUR I-20EB TRAFFIC GOING TO HALL'S FERRY RD FROM WASHINGTON STREET AREA VIA INTERCHANGE RAMP. I-20EB TO US61S SB, THENCE A U-TURN AT THE TRAFFIC SIGNAL ON US61S, THENCE US61S NB TO I-20EB (DISTANCE FOR CROSSING TRAFFIC INADEQUATE).

LEGEND

- WORK UNDER CONSTRUCTION
- WIDEN BRIDGES
- NEW BRIDGE CONSTRUCTION
- EXISTING BRIDGE
- COMPLETED BRIDGE
- EXISTING LANES
- OVERLAY

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 2
PHASE H

WORKING NUMBER

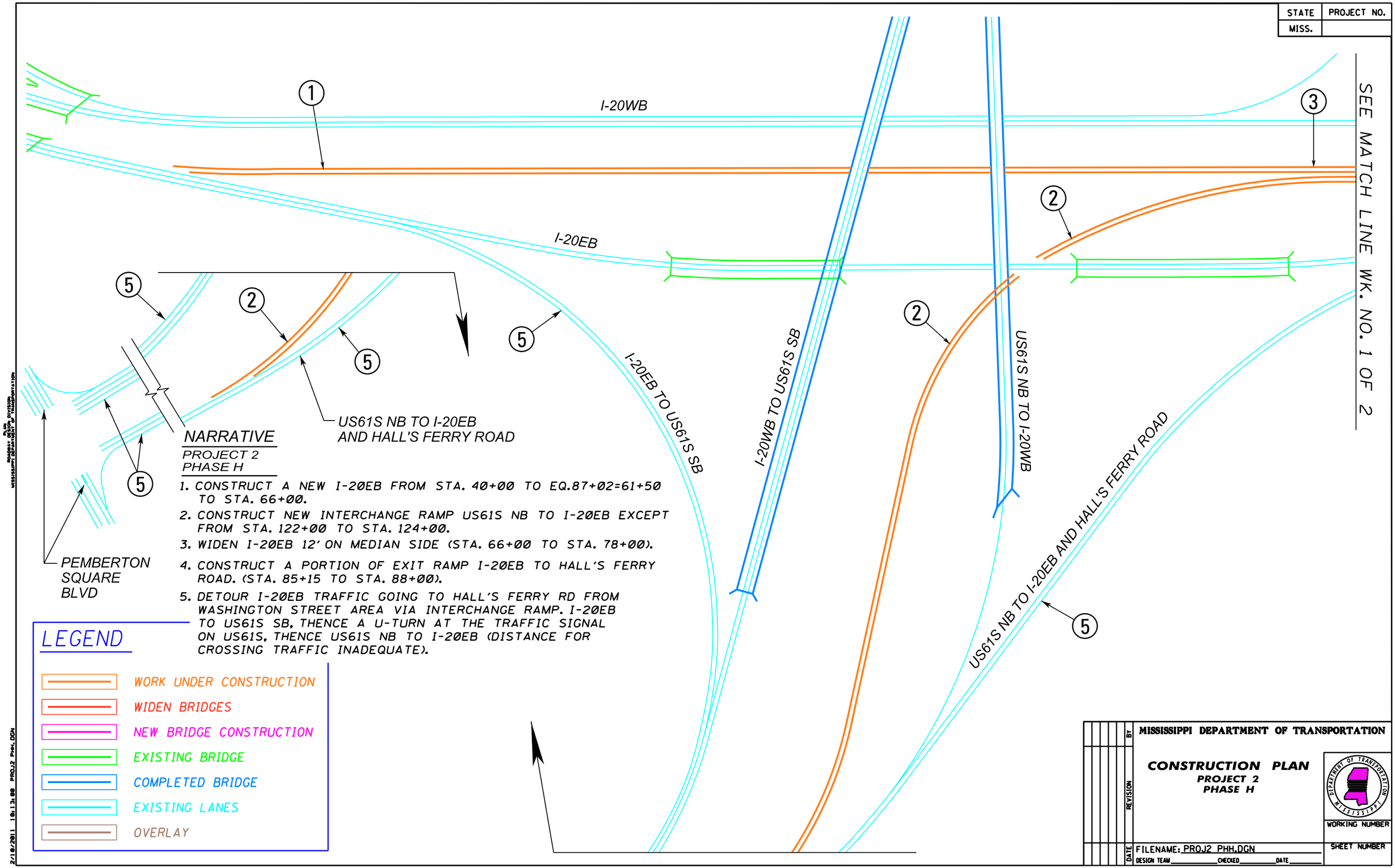
SHEET NUMBER

FILENAME: PROJ2 PHH.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

2/18/2011 09:55:59 PROJ2 PHH.DGN
PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

STATE	PROJECT NO.
MISS.	



NARRATIVE

PROJECT 2
PHASE H

1. CONSTRUCT A NEW I-20EB FROM STA. 40+00 TO EQ.87+02=61+50 TO STA. 66+00.
2. CONSTRUCT NEW INTERCHANGE RAMP US61S NB TO I-20EB EXCEPT FROM STA. 122+00 TO STA. 124+00.
3. WIDEN I-20EB 12' ON MEDIAN SIDE (STA. 66+00 TO STA. 78+00).
4. CONSTRUCT A PORTION OF EXIT RAMP I-20EB TO HALL'S FERRY ROAD. (STA. 85+15 TO STA. 88+00).
5. DETOUR I-20EB TRAFFIC GOING TO HALL'S FERRY RD FROM WASHINGTON STREET AREA VIA INTERCHANGE RAMP. I-20EB TO US61S SB, THENCE A U-TURN AT THE TRAFFIC SIGNAL ON US61S, THENCE US61S NB TO I-20EB (DISTANCE FOR CROSSING TRAFFIC INADEQUATE).

LEGEND

- WORK UNDER CONSTRUCTION
- WIDEN BRIDGES
- NEW BRIDGE CONSTRUCTION
- EXISTING BRIDGE
- COMPLETED BRIDGE
- EXISTING LANES
- OVERLAY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 2
PHASE H

WORKING NUMBER

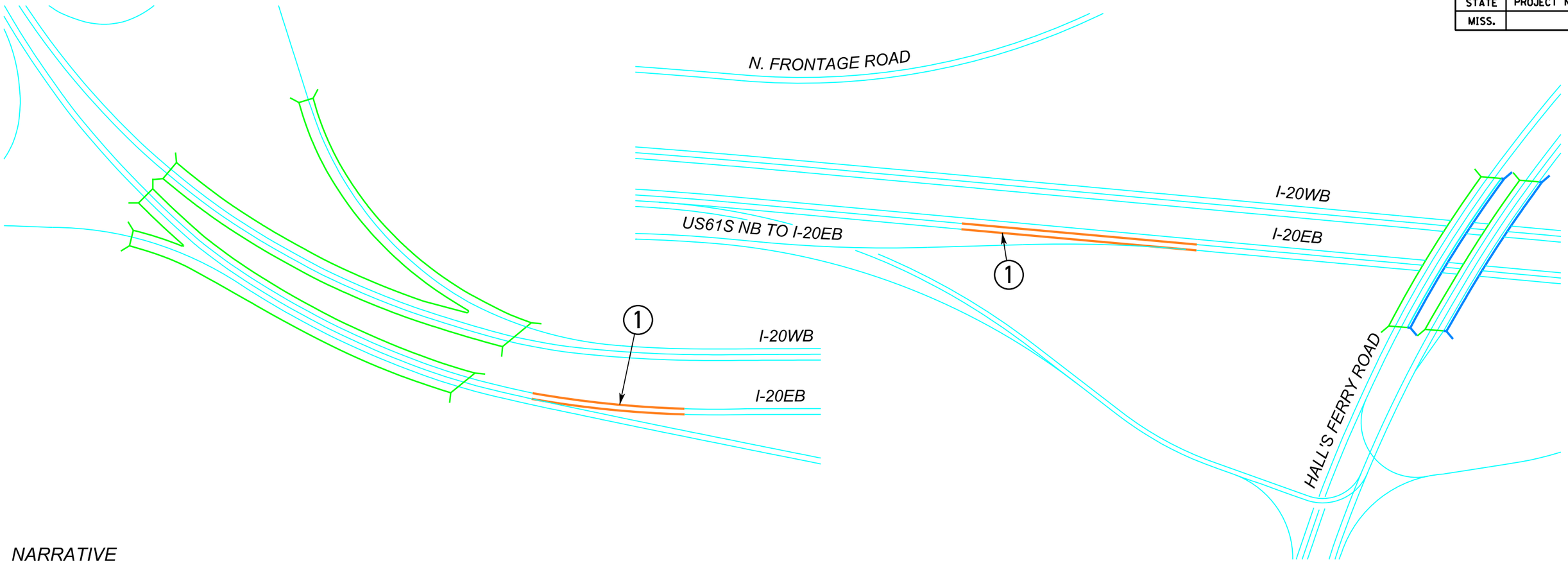
SHEET NUMBER

REVISION | BY | DATE

FILENAME: PROJ2 PHH.DGN
DESIGN TEAM _____ CHECKED _____ DATE _____

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
2/10/2011 10:13:00 PROJ2 PHH.DGN

STATE	PROJECT NO.
MISS.	



NARRATIVE

PROJECT 2
PHASE H1

1. CONSTRUCT THE CONNECTION FROM EXISTING I-20EB TO NEW I-20EB LANES. RE-DIRECT TRAFFIC ONTO THE NEW I-20EB LANES.

LEGEND

- WORK UNDER CONSTRUCTION
- WIDEN BRIDGES
- NEW BRIDGE CONSTRUCTION
- EXISTING BRIDGE
- COMPLETED BRIDGE
- EXISTING LANES
- OVERLAY

REVISION	BY	DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 2
PHASE H1

WORKING NUMBER

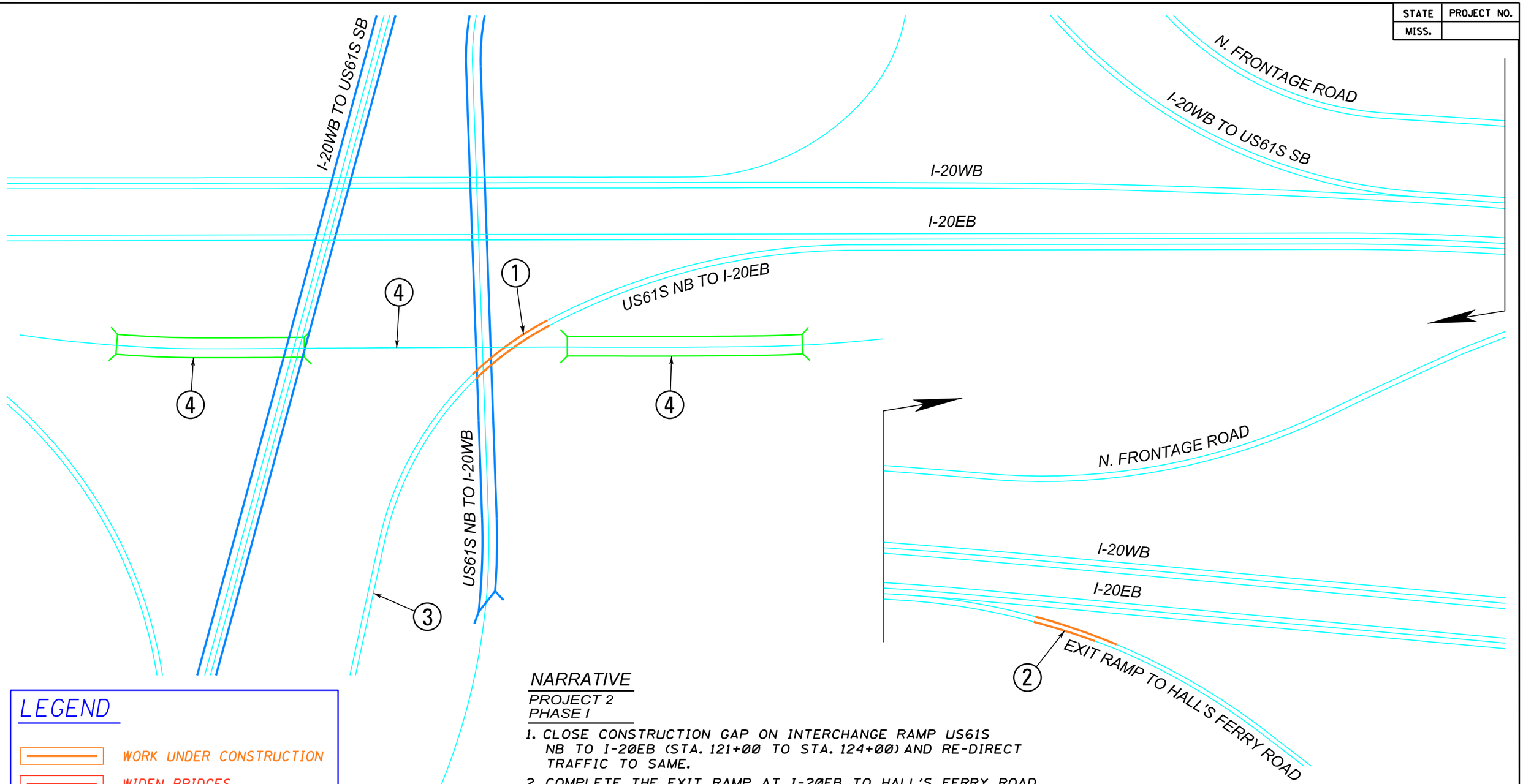
SHEET NUMBER

FILENAME: PROJ2 PHH1.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

2/18/2011 09:58:13 PROJ2 PHH1.DGN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

STATE	PROJECT NO.
MISS.	



LEGEND

- WORK UNDER CONSTRUCTION
- WIDEN BRIDGES
- NEW BRIDGE CONSTRUCTION
- EXISTING BRIDGE
- COMPLETED BRIDGE
- EXISTING LANES
- OVERLAY

NARRATIVE

PROJECT 2
PHASE I

1. CLOSE CONSTRUCTION GAP ON INTERCHANGE RAMP US61S NB TO I-20EB (STA. 121+00 TO STA. 124+00) AND RE-DIRECT TRAFFIC TO SAME.
2. COMPLETE THE EXIT RAMP AT I-20EB TO HALL'S FERRY ROAD.
3. RE-DIRECT THE DETOURED TRAFFIC DESCRIBED IN PROJECT 2 PHASE H ONTO THE NEW I-20EB.
4. REMOVE THE TWO BRIDGES AND ROADWAY ON THE OLD I-20EB.

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 2
PHASE I

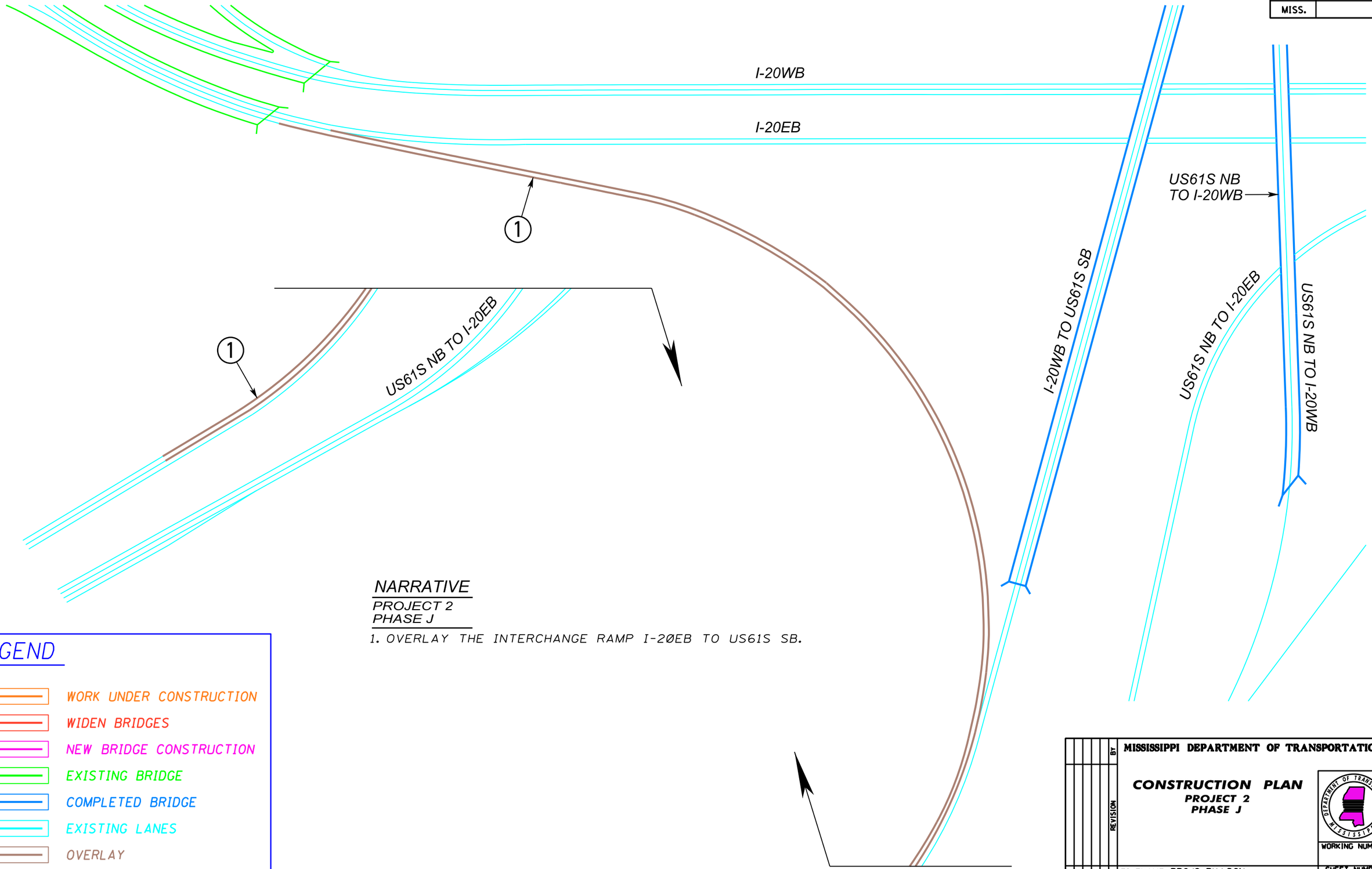
WORKING NUMBER

SHEET NUMBER

FILENAME: PROJ2 PHI.DGN
DESIGN TEAM _____ CHECKED _____ DATE _____

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
2/18/2011 09:59:51 PROJ2 PHI.DGN

STATE	PROJECT NO.
MISS.	



NARRATIVE

PROJECT 2
PHASE J

1. OVERLAY THE INTERCHANGE RAMP I-20EB TO US61S SB.

LEGEND

- WORK UNDER CONSTRUCTION
- WIDEN BRIDGES
- NEW BRIDGE CONSTRUCTION
- EXISTING BRIDGE
- COMPLETED BRIDGE
- EXISTING LANES
- OVERLAY

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 2
PHASE J

WORKING NUMBER

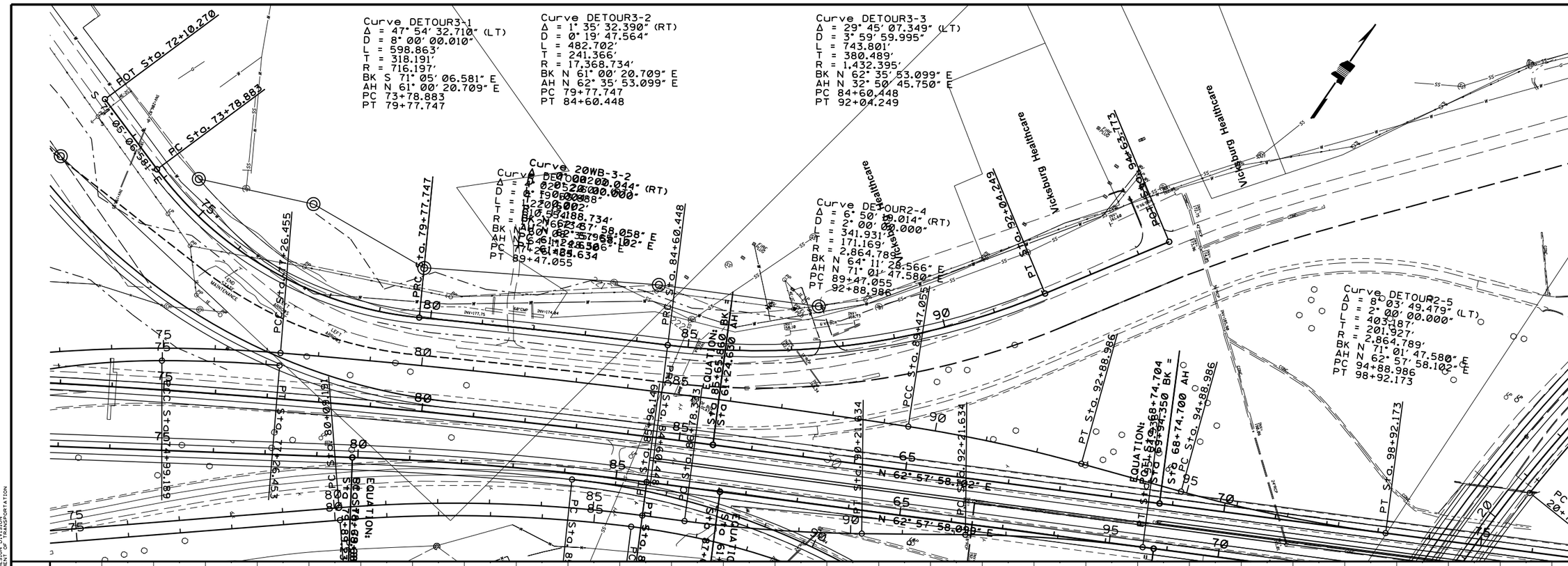
SHEET NUMBER

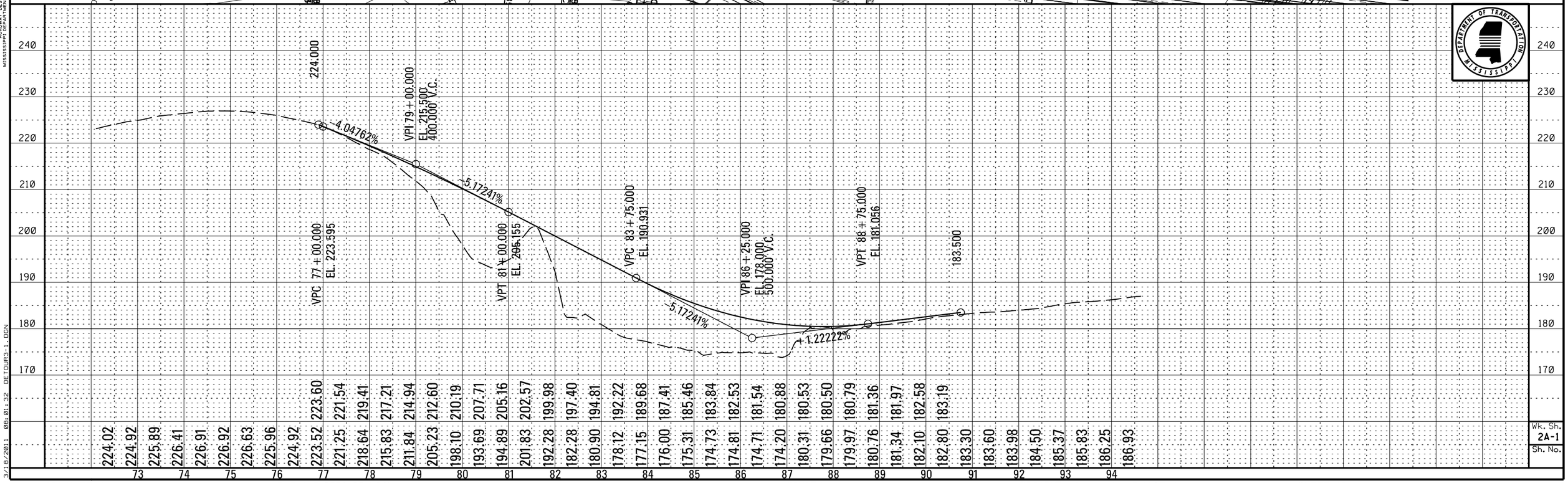
FILENAME: PROJ2 PHJ.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

2/18/2011 10:01:07 PROJ2 PHJ.DGN
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION

STATE	PROJECT NO.
MISS.	





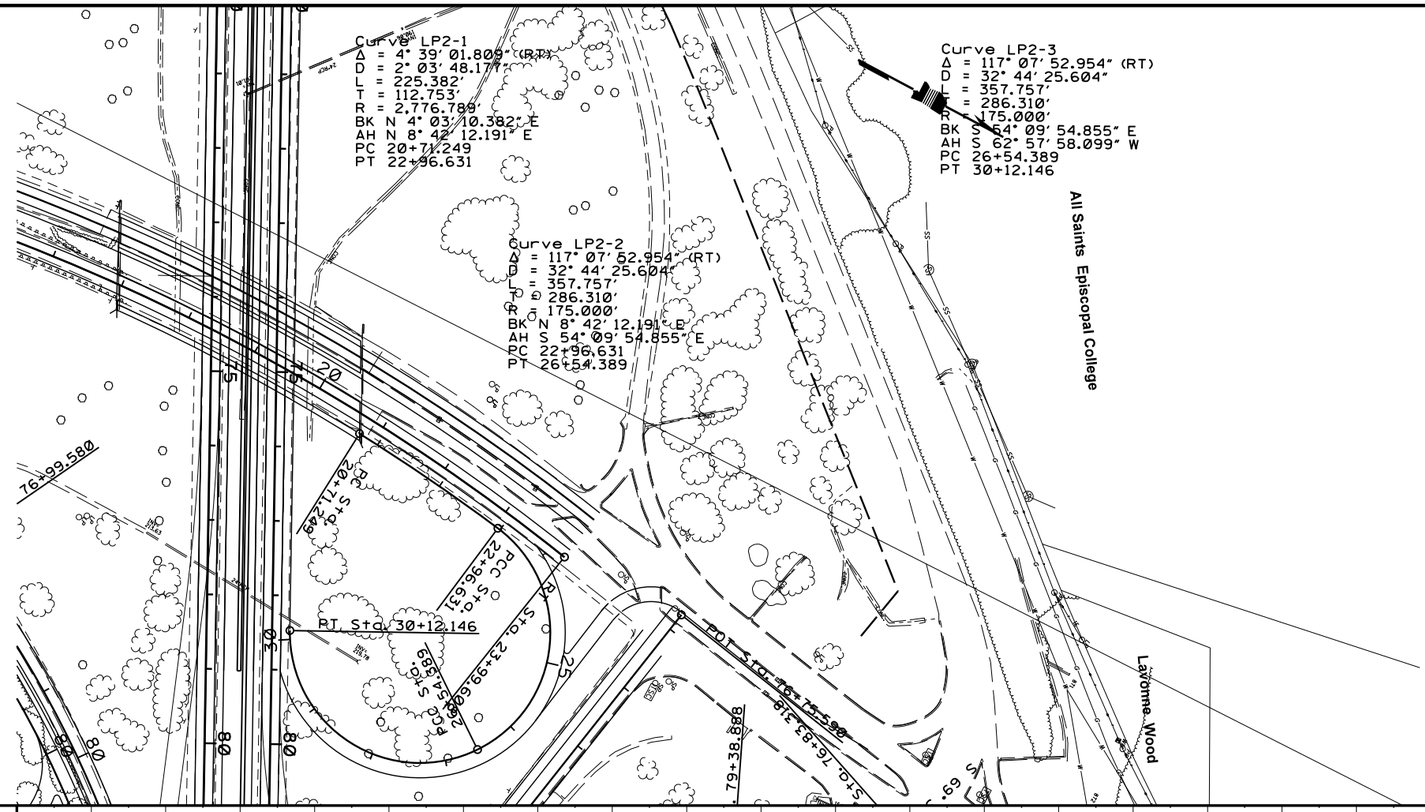
Wk. Sh. 2A-1
Sh. No.

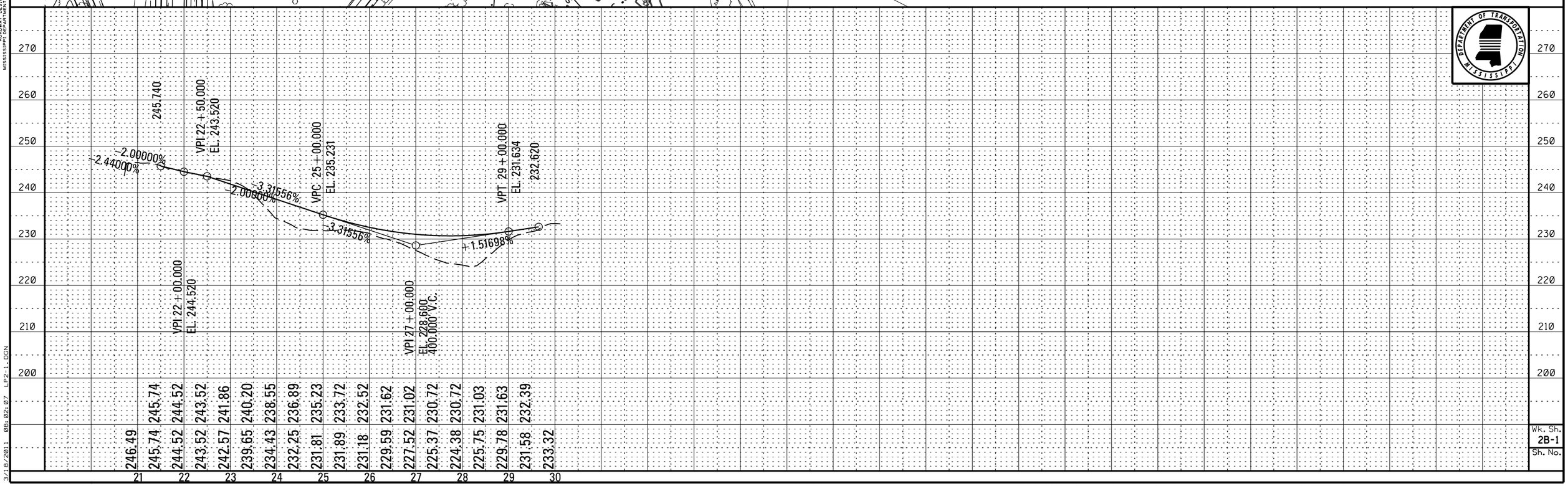
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/18/2011 08:01:32 DETOUR3-1.DGN

DESIGN TEAM: FILENAME: DETOUR3-1.DGN COUNTY: PROJECT NO. : 2 PHASE A SHEET ID:

STATE	PROJECT NO.
MISS.	





PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/18/2011 08:02:07 LP2-1.DGN

Wk. Sh. 2B-1
Sh. No.

DESIGN TEAM: FILENAME: LP2-1.DGN COUNTY: PROJECT NO. : 2 PHASE B SHEET ID:

Sta.	Elev.
206.59	
207.47	
208.11	
208.40	
208.62	208.87
208.90	209.06
208.76	209.24
208.06	209.43
207.73	209.61
207.20	209.80
206.23	209.99
205.37	210.17
204.12	210.36
203.77	210.55
204.69	210.73
210.47	210.92
213.01	211.10
214.56	211.29
215.39	211.48
214.87	211.64
214.14	211.68
214.82	211.57
214.55	211.32
213.82	210.92
212.93	210.37
211.39	209.67
209.33	208.83
206.41	207.83
203.19	206.70
200.26	205.43
197.13	204.14
193.69	202.86
190.81	201.57
187.74	200.29
185.40	199.00
183.32	197.71
183.20	196.54
183.19	195.60
183.08	194.88
183.80	194.38
184.90	194.11
186.13	194.07
189.83	194.26
191.49	194.67
193.03	195.30
193.62	196.17
191.91	197.26
192.27	198.57
193.10	200.00
193.84	201.43
194.75	202.86
197.81	204.29
200.35	205.71
203.25	207.14
205.81	208.57
208.48	210.00
211.33	211.43
213.53	212.86
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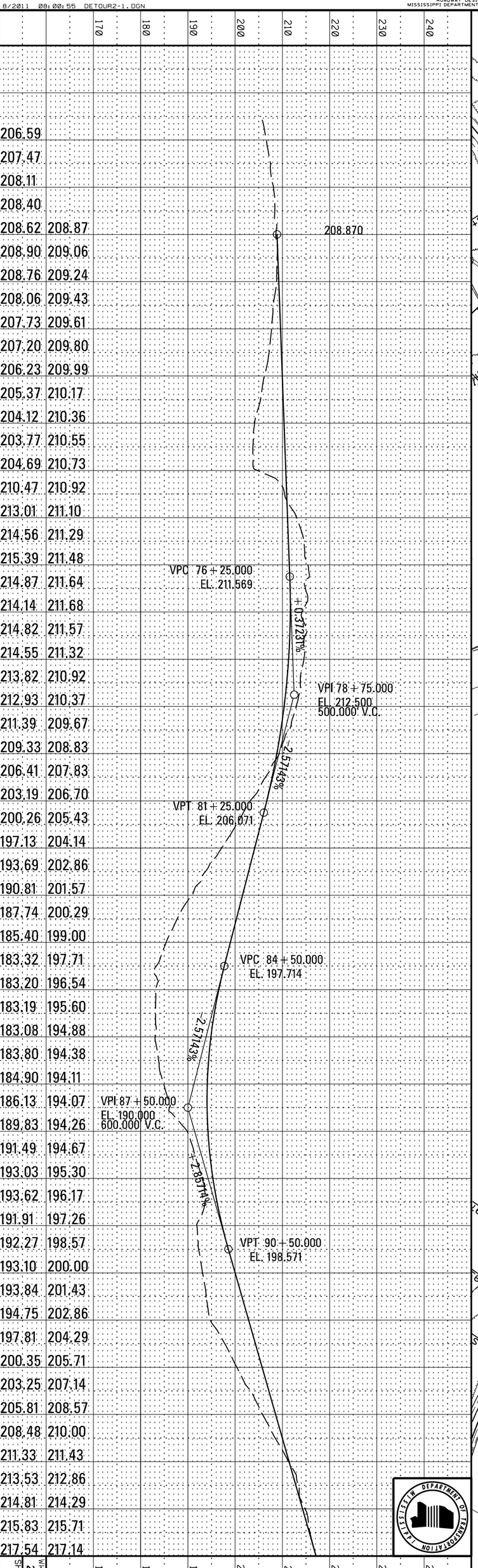
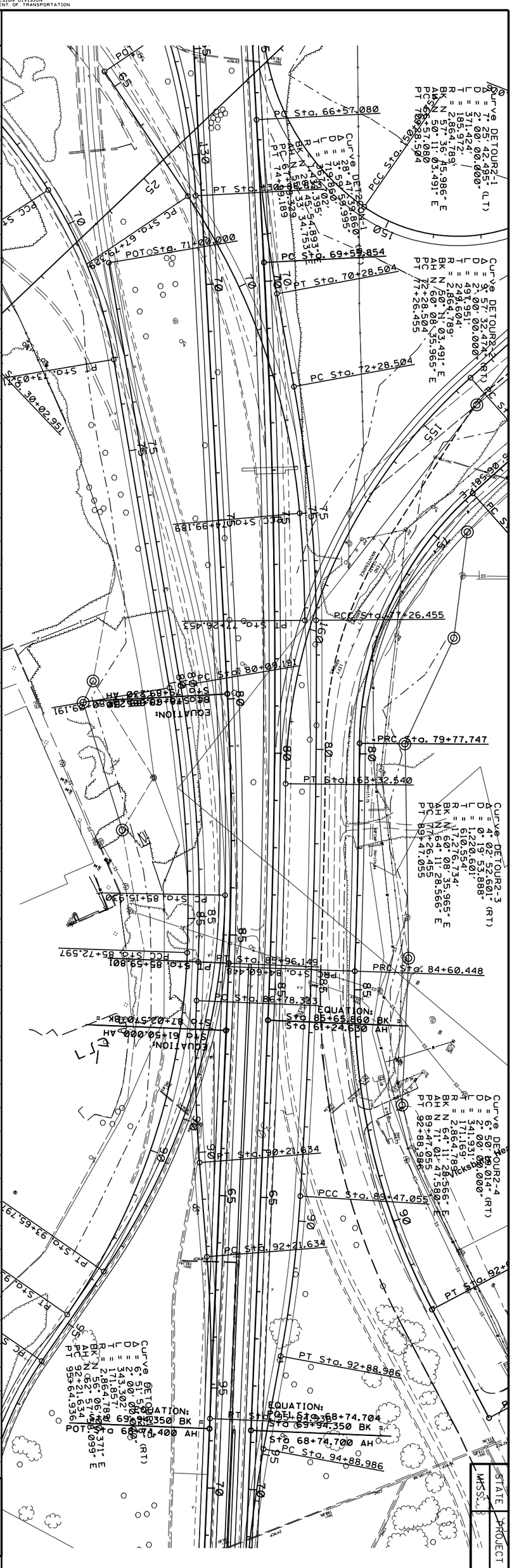
215.83	215.71
217.54	217.14





DESIGN TEAM:

FILENAME: DETOUR2-1.DGN

COUNTY:

PROJECT NO. : 2 PHASE C

SHEET ID:

STATE

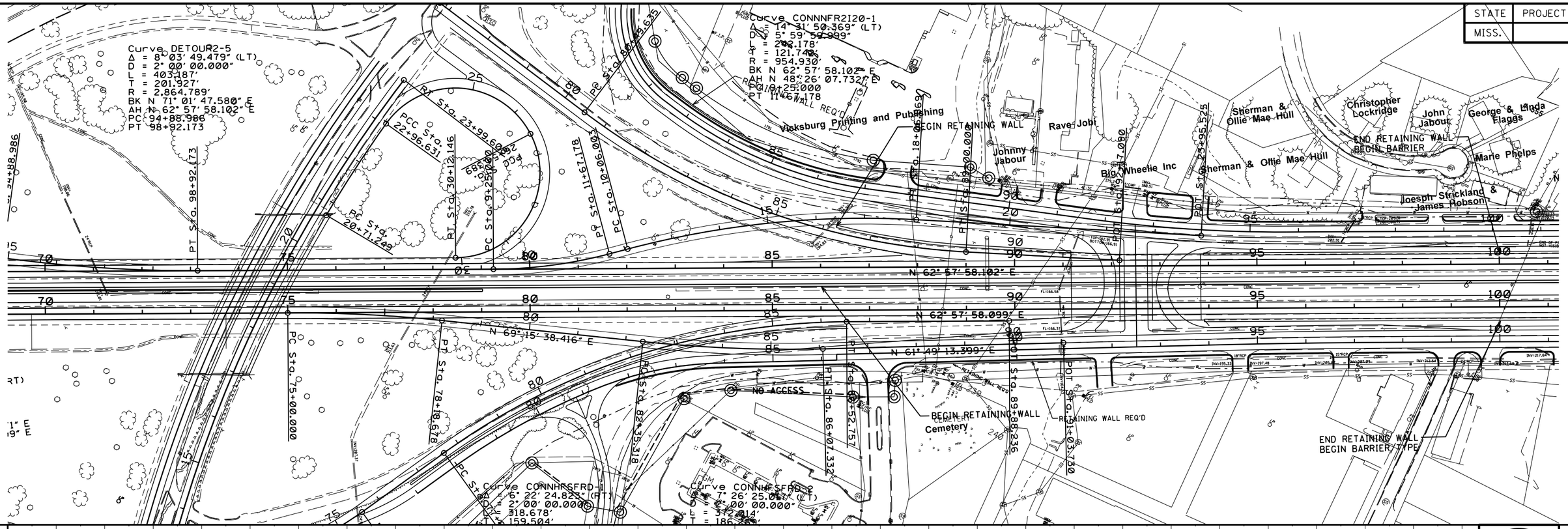
MISS.

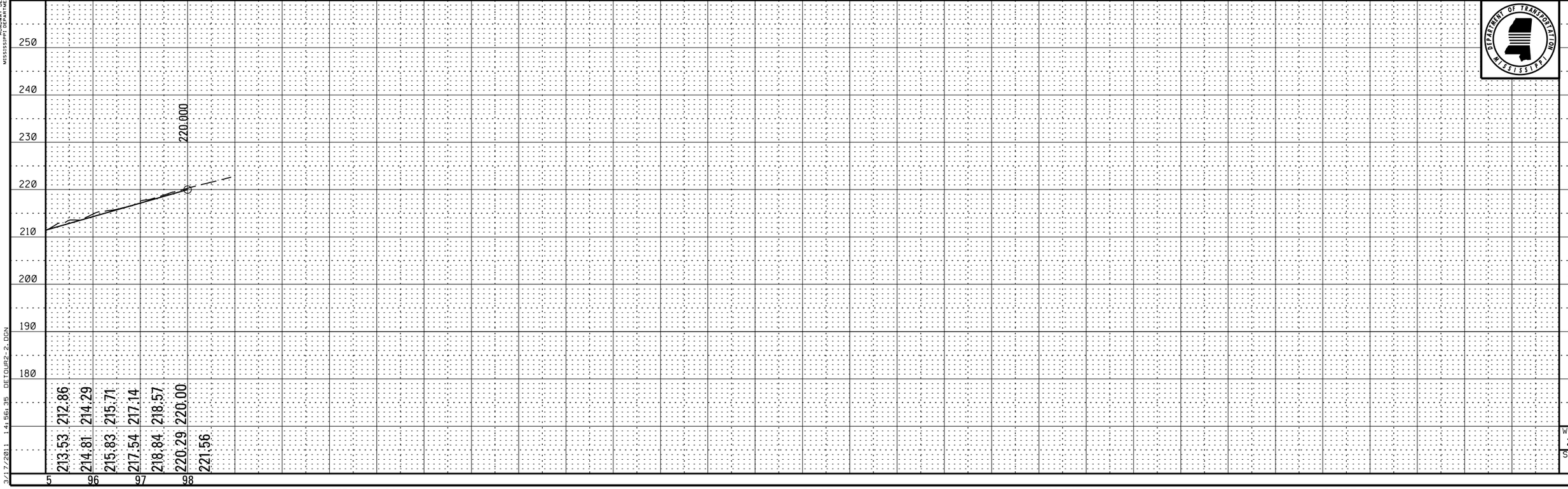
PROJECT NO.

Wk. Sh. 2C-1

Sh. No.

STATE	PROJECT NO.
MISS.	



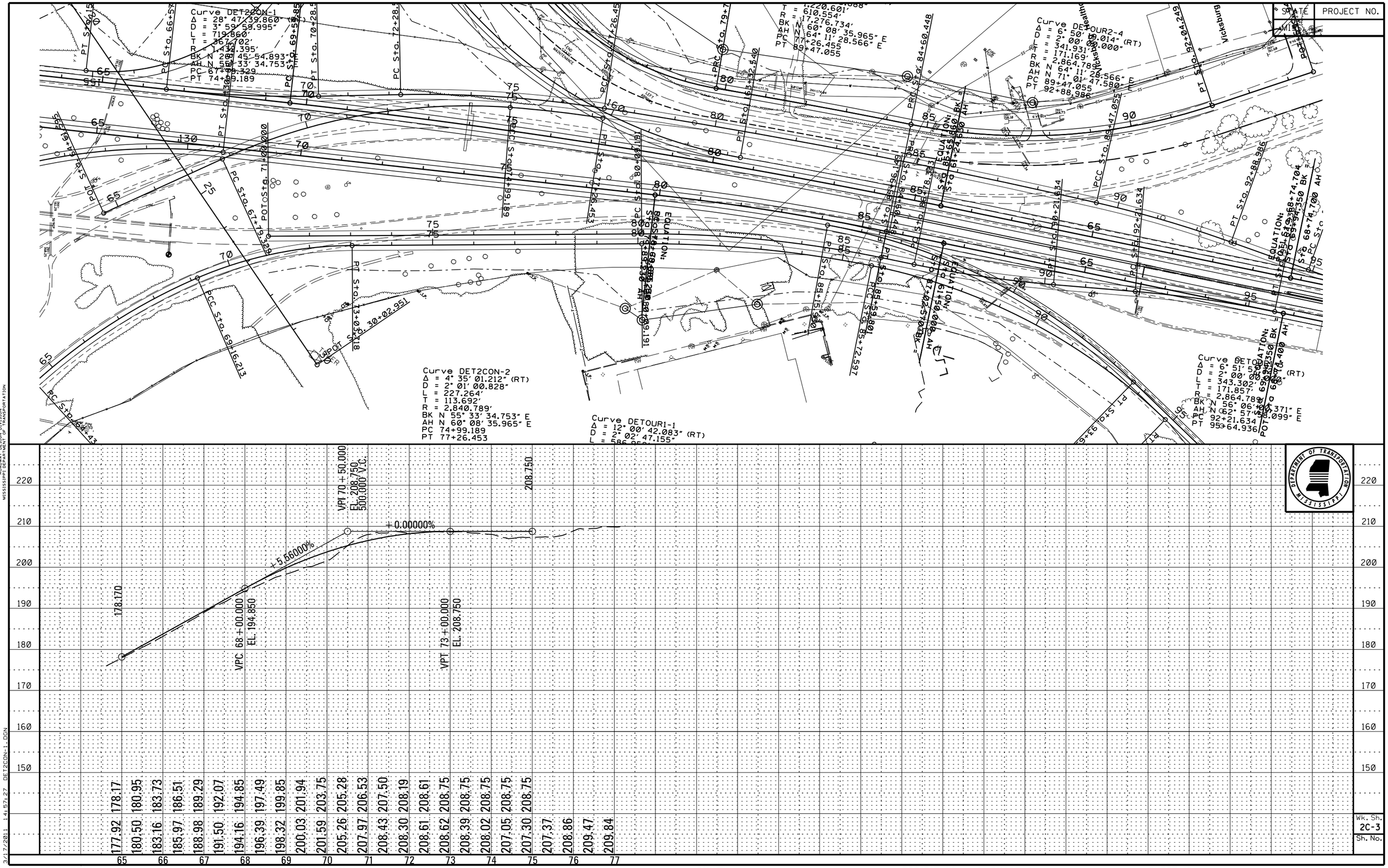


PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/17/2011 14:56:35 DETOUR2-2.DGN

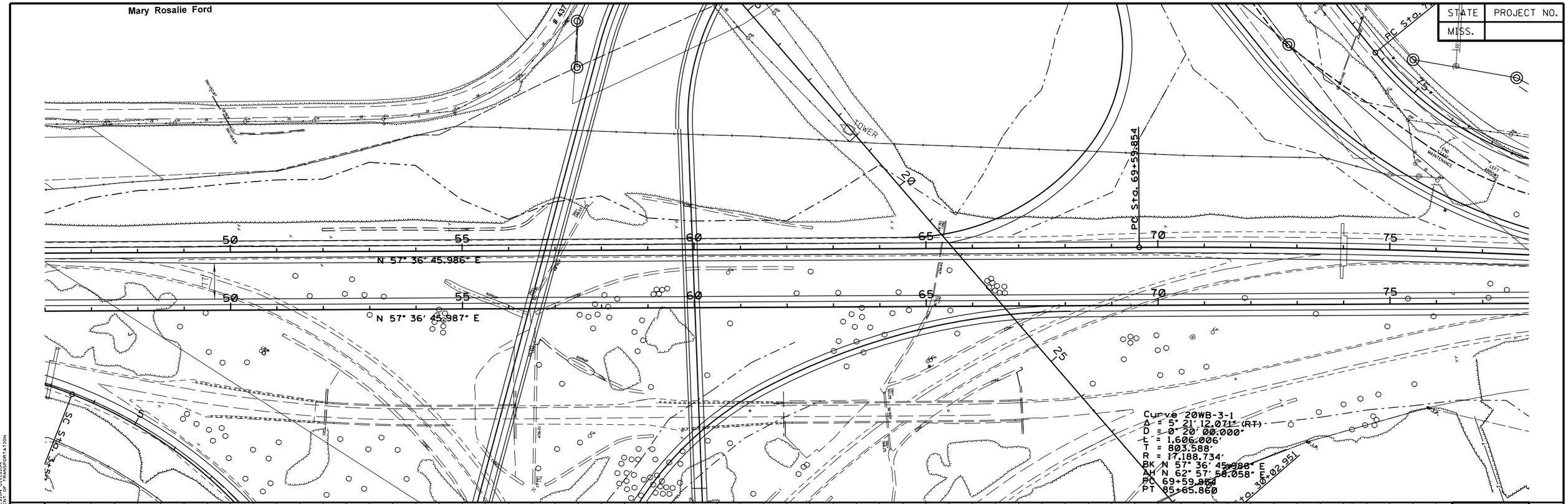
Wk. Sh. 2C-2
Sh. No.

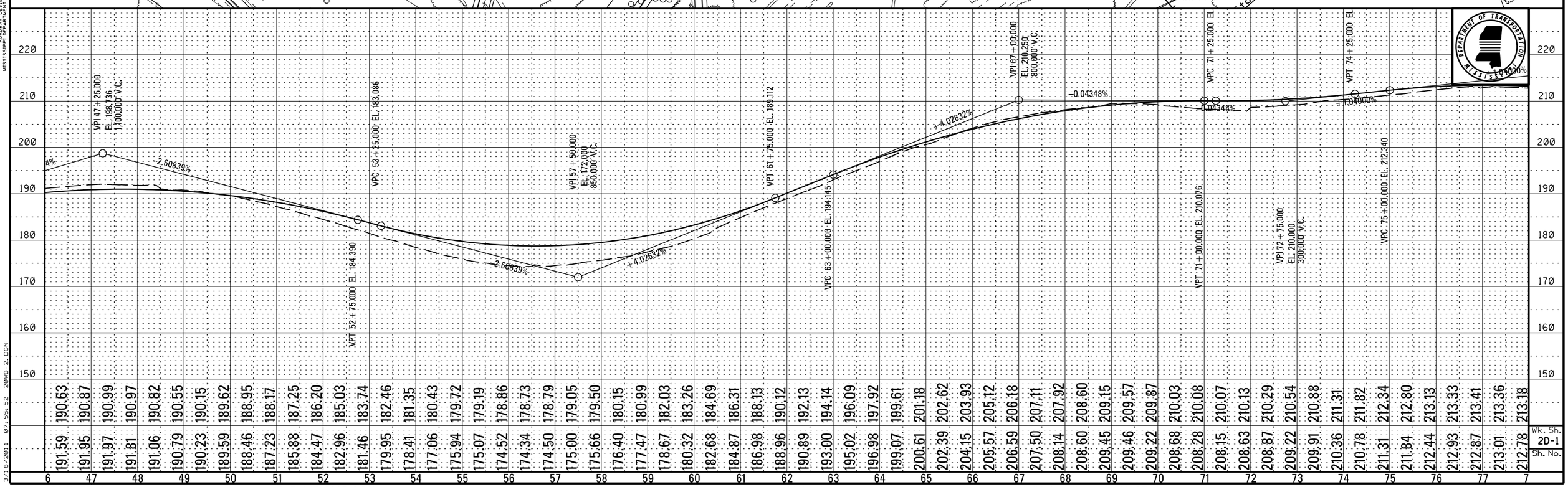
DESIGN TEAM: FILENAME: DETOUR2-2.DGN COUNTY: PROJECT NO. : 2 PHASE C SHEET ID:



DESIGN TEAM: FILENAME: DET2CON-1.DGN COUNTY: PROJECT NO. : 2 PHASE C SHEET ID:

STATE	PROJECT NO.
MISS.	





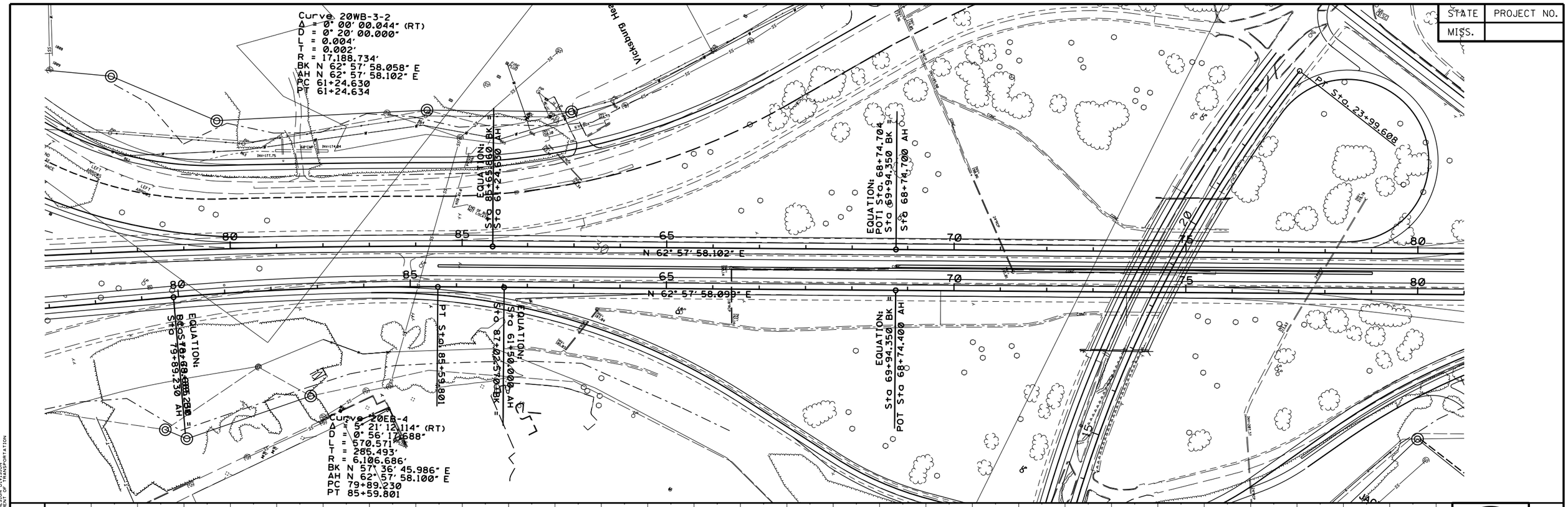
Wk. Sh. 2D-1
Sh. No.

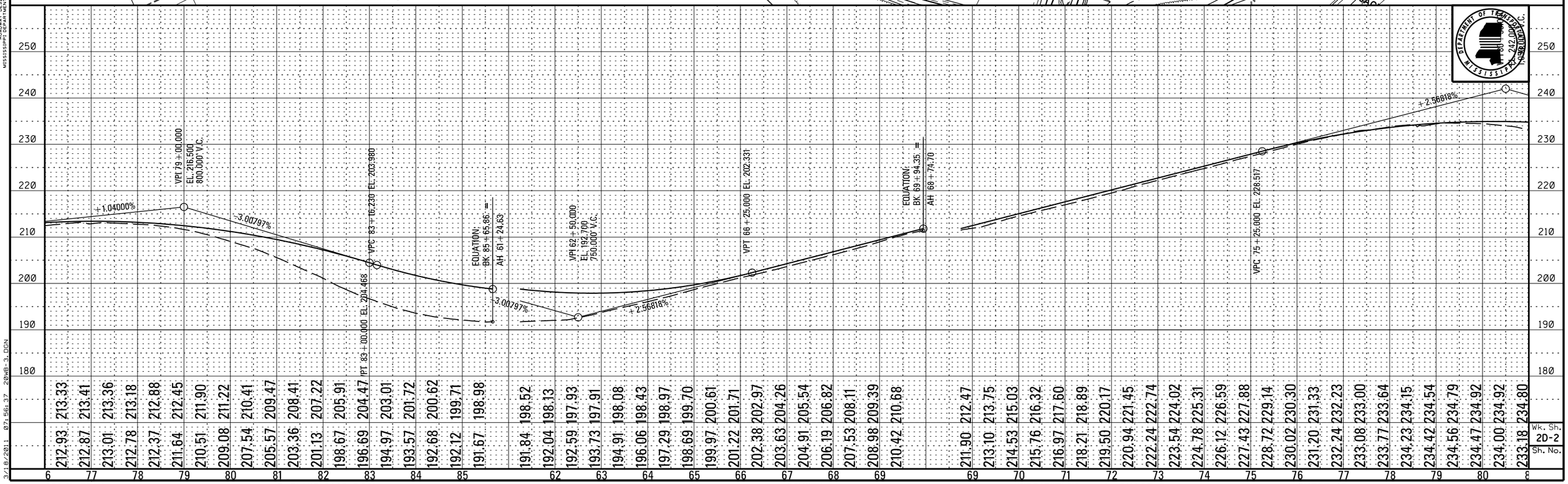
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/18/2011 07:55:52 20WB-2.DGN

DESIGN TEAM: FILENAME: 20WB-2.DGN COUNTY: PROJECT NO. : 2 PHASE D SHEET ID:

STATE	PROJECT NO.
MISS.	



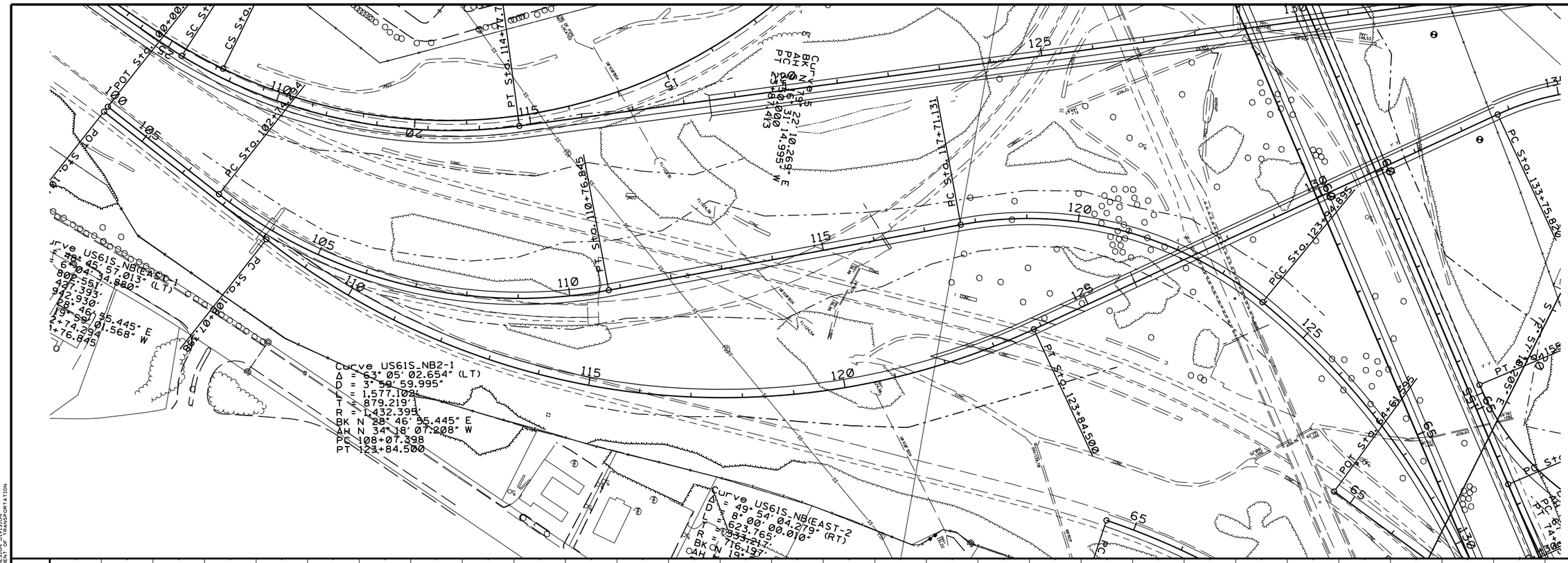


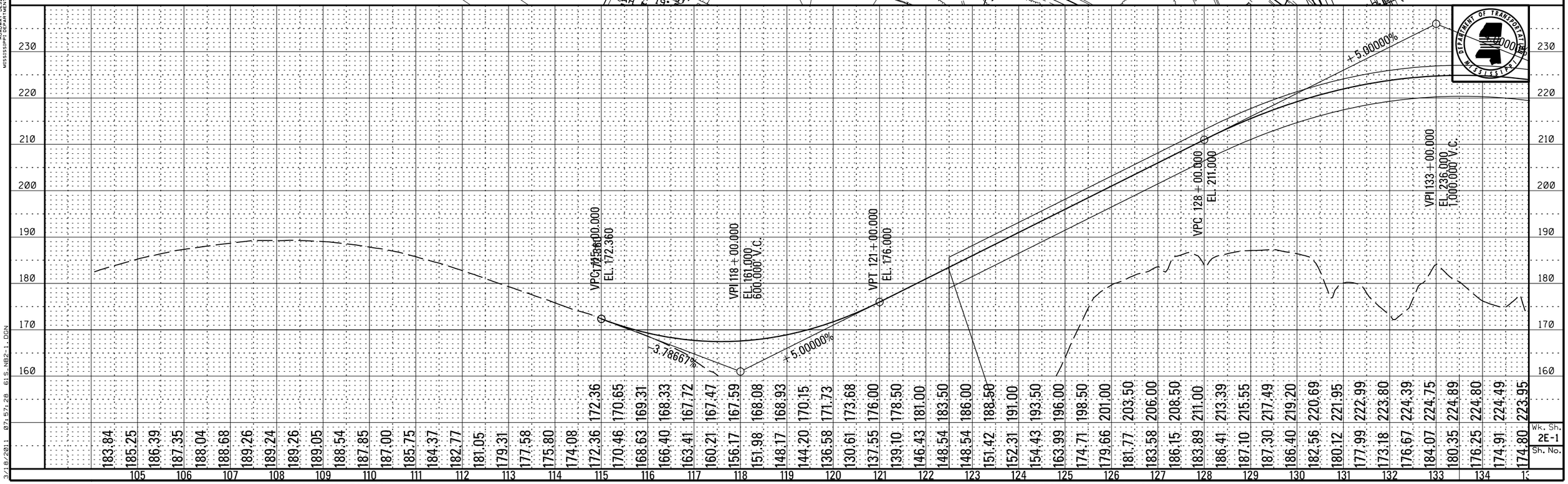
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/18/2011 07:56:37 20WB-3.DGN

DESIGN TEAM: FILENAME: 20WB-3.DGN COUNTY: PROJECT NO. : 2 PHASE D SHEET ID:

STATE	PROJECT NO.
MISS.	





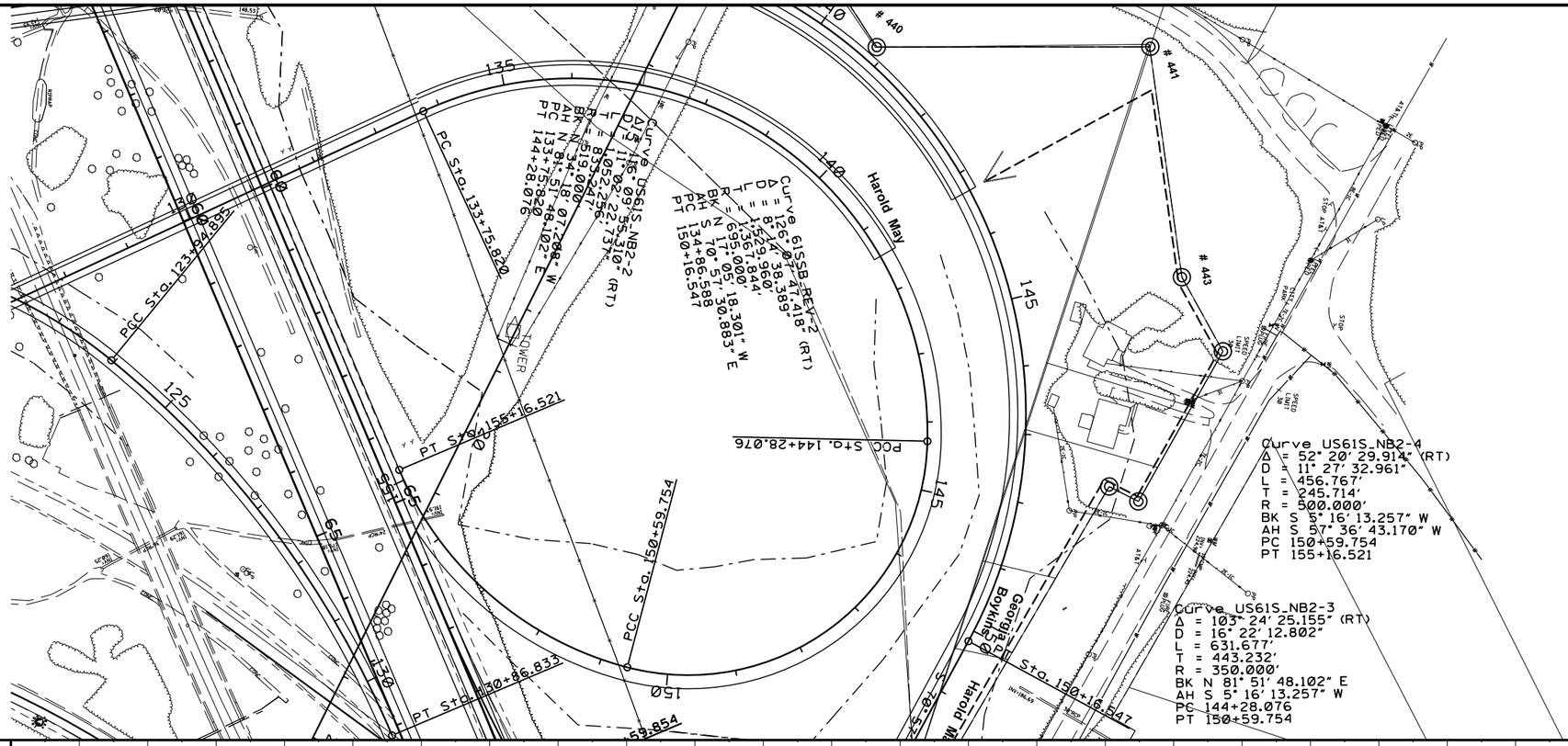
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

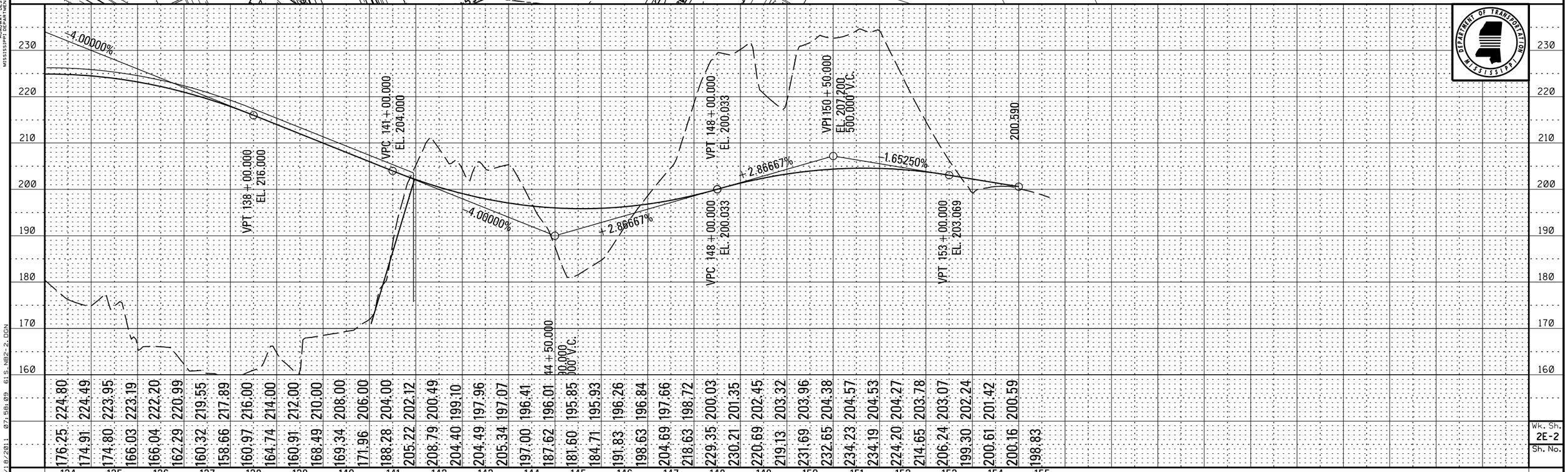
3/18/2011 07:57:28 61S_NB2-1.DGN

Wk. Sh. 2E-1
Sh. No.

DESIGN TEAM: FILENAME: 61S_NB2-1.DGN COUNTY: PROJECT NO. : 2 PHASE E SHEET ID:

STATE	PROJECT NO.
MISS.	





Wk. Sh. 2E-2
Sh. No.

PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

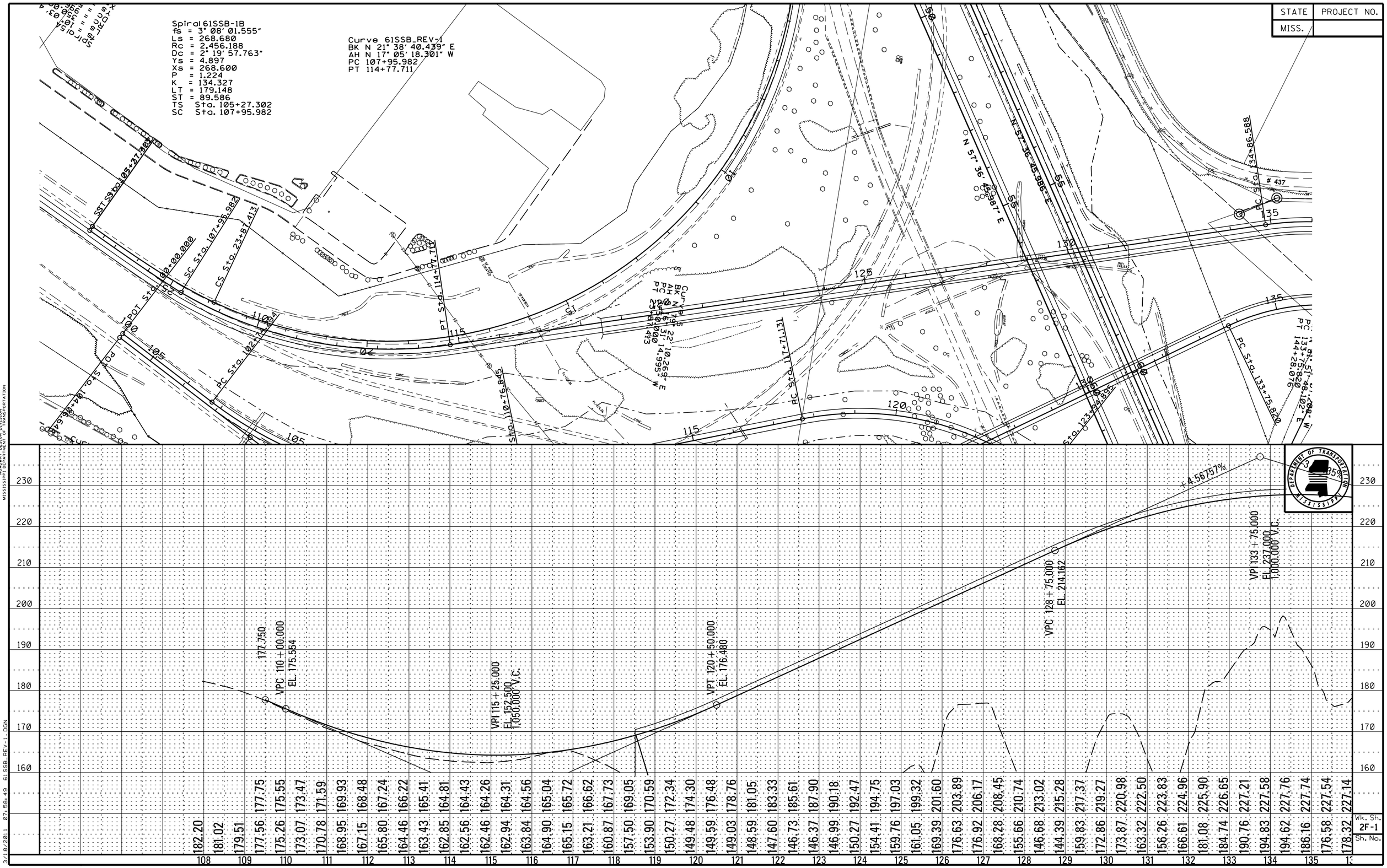
3/18/2011 07:58:09 61S_NB2-2.DGN

DESIGN TEAM: FILENAME: 61S_NB2-2.DGN COUNTY: PROJECT NO. : 2 PHASE E SHEET ID:

STATE	PROJECT NO.
MISS.	

Spiral 61SSB-1B
fs = 3° 08' 01.555"
Ls = 268.680
Rc = 2,456.188
Dc = 2° 19' 57.763"
Ys = 4.897
Xs = 268.600
P = 1.224
K = 134.327
LT = 179.148
ST = 89.586
TS Sta. 105+27.302
SC Sta. 107+95.982

Curve 61SSB_REV-1
BK N 21° 38' 40.439" E
AH N 17° 05' 18.301" W
PC 107+95.982
PT 114+77.711



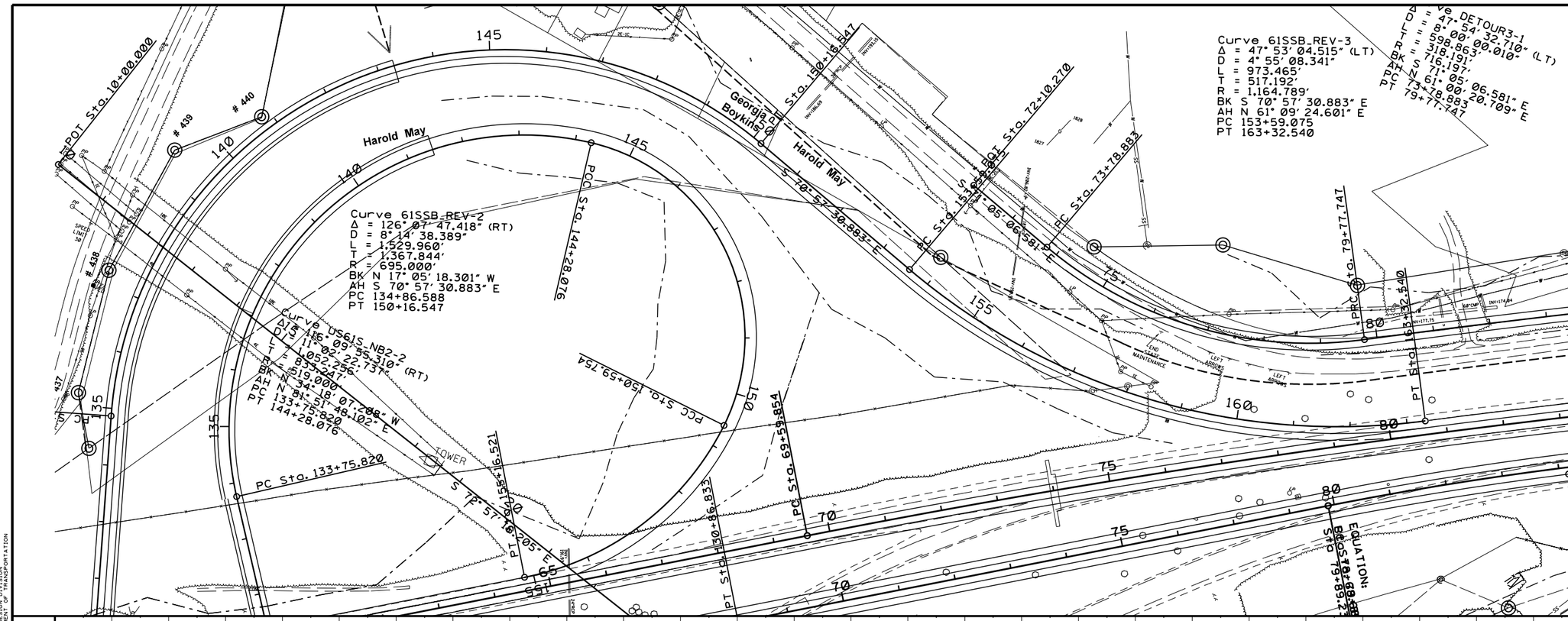
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

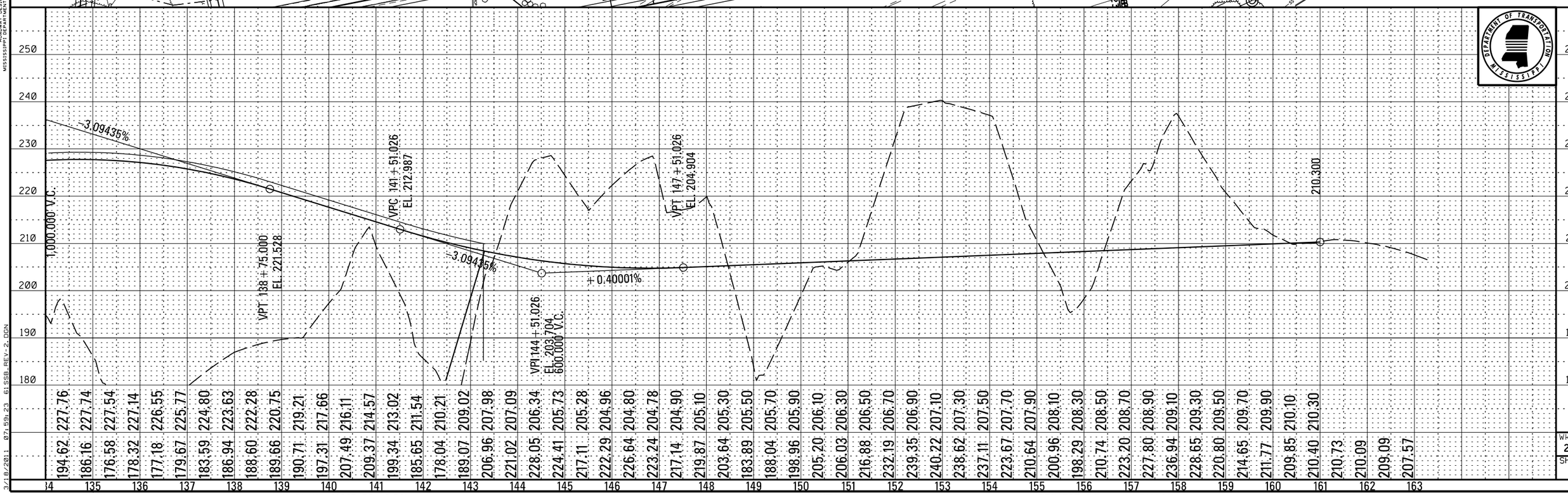
3/18/2011 07:58:49 61SSB_REV-1.DGN

Wk. Sh. 2F-1
Sh. No.

DESIGN TEAM: FILENAME: 61SSB_REV-1.DGN COUNTY: PROJECT NO. : 2 PHASE F SHEET ID:

STATE	PROJECT NO.
MISS.	



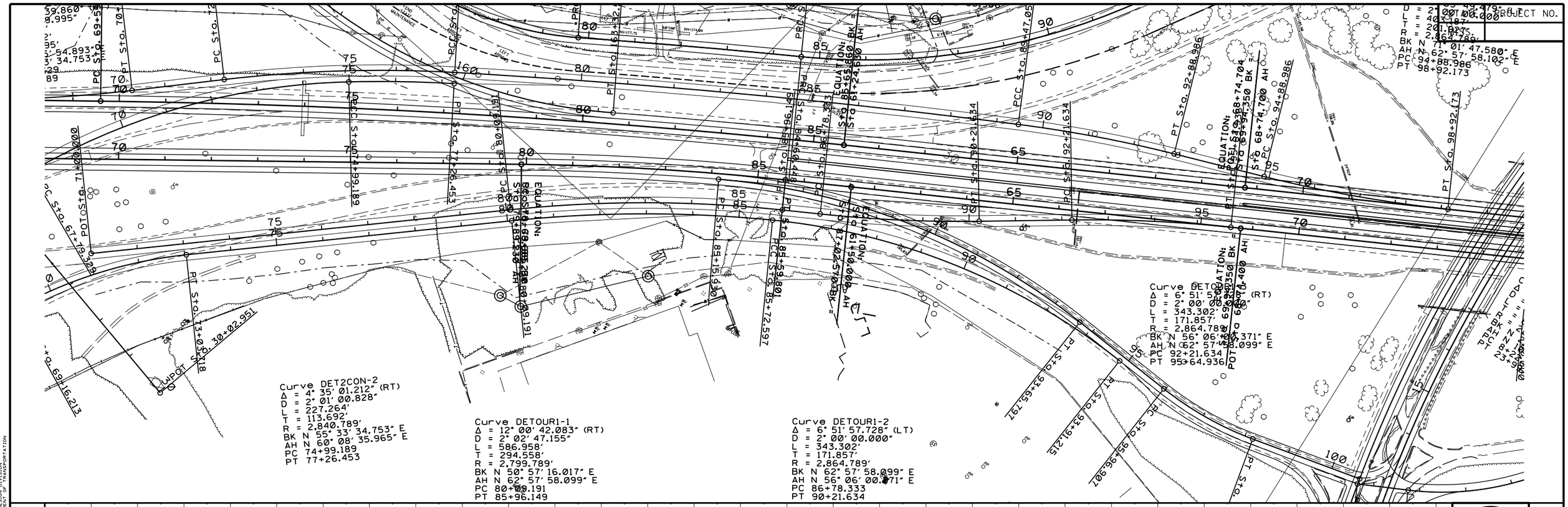


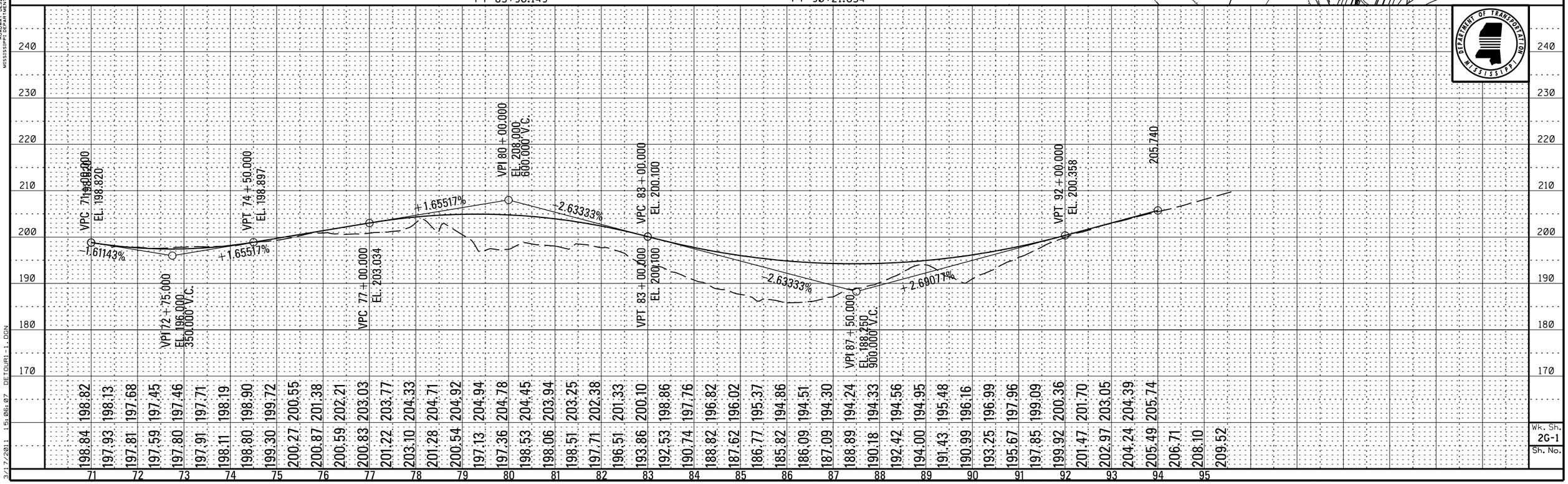
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/18/2011 07:59:23 61SSB_REV-2.DGN

Wk. Sh. 2F-2
Sh. No.

DESIGN TEAM: FILENAME: 61SSB_REV-2.DGN COUNTY: PROJECT NO. : 2 PHASE F SHEET ID:



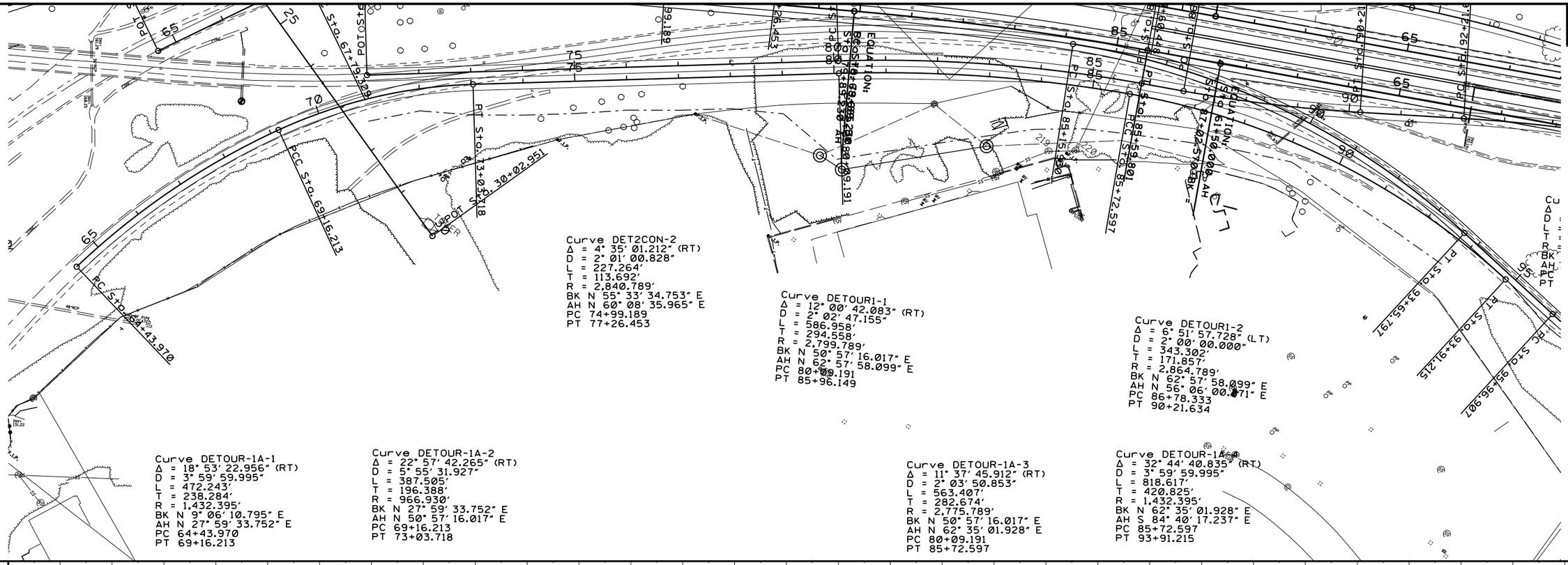


PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/17/2011 15:06:07 DETOUR1-1.DGN

DESIGN TEAM: FILENAME: DETOUR1-1.DGN COUNTY: PROJECT NO. : 2 PHASE G SHEET ID:

STATE	PROJECT NO.
MISS.	



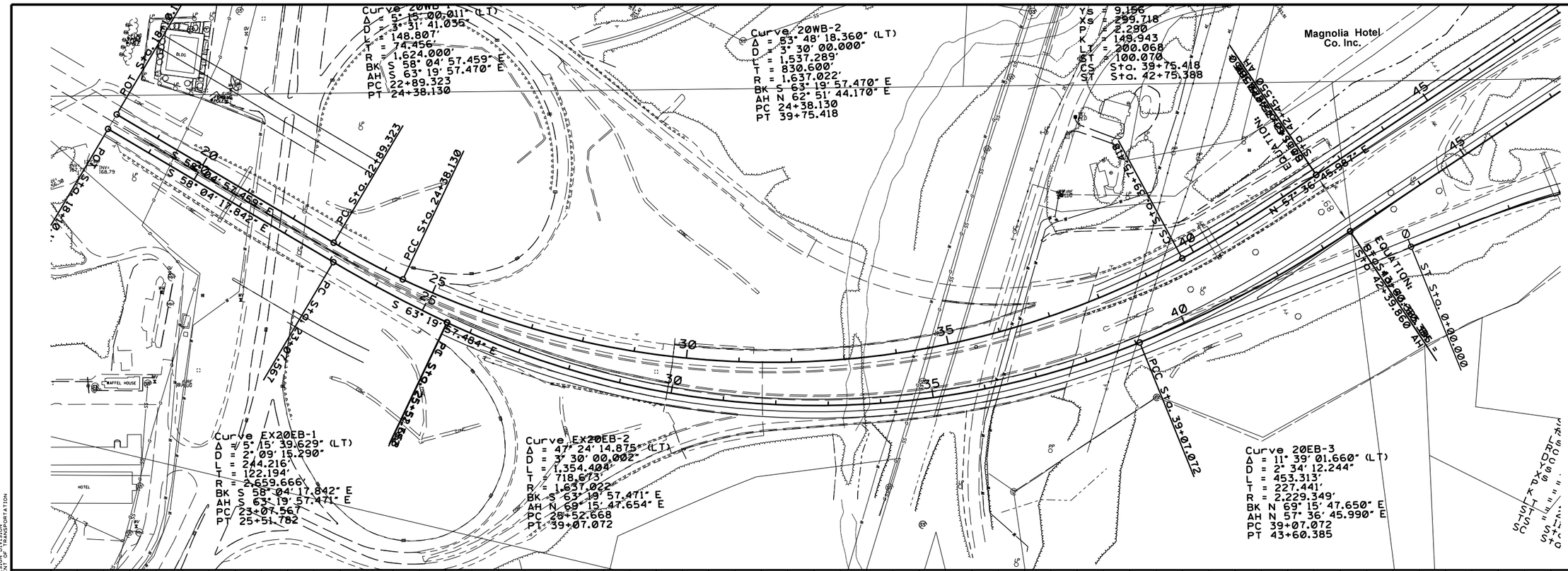
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

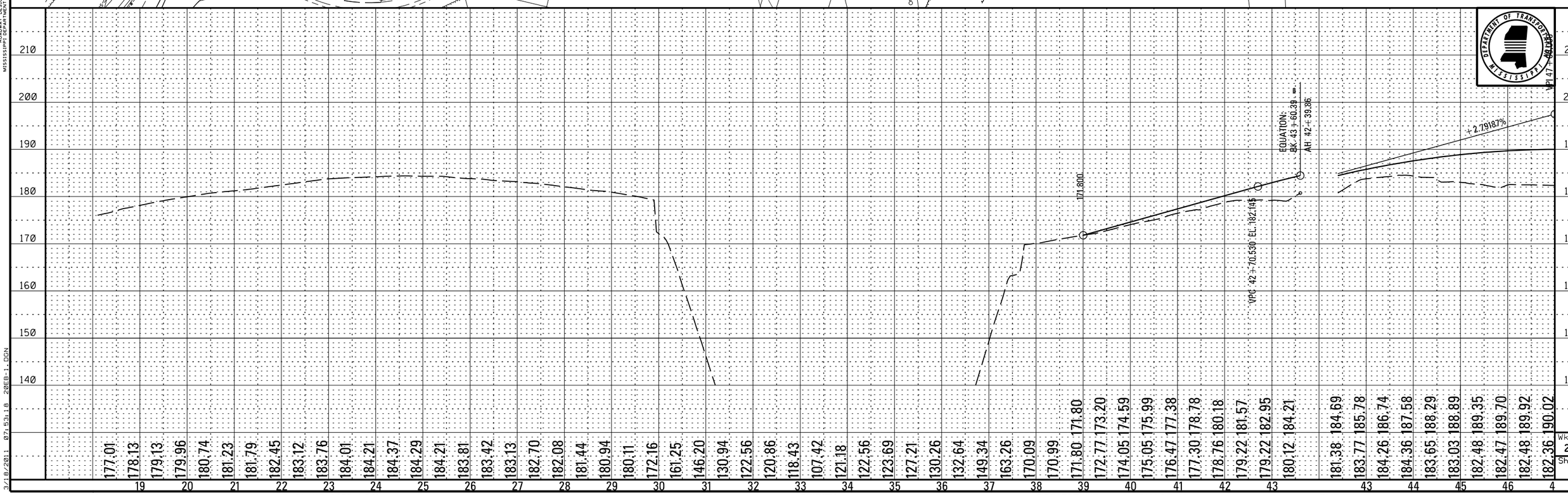
3/18/2011 08:00:18 DETOUR1A-1.DGN

Wk. Sh. 2G-2
Sh. No.

DESIGN TEAM: FILENAME: DETOUR1A-1.DGN COUNTY: PROJECT NO. : 2 PHASE G SHEET ID:

STATE	PROJECT NO.
MISS.	



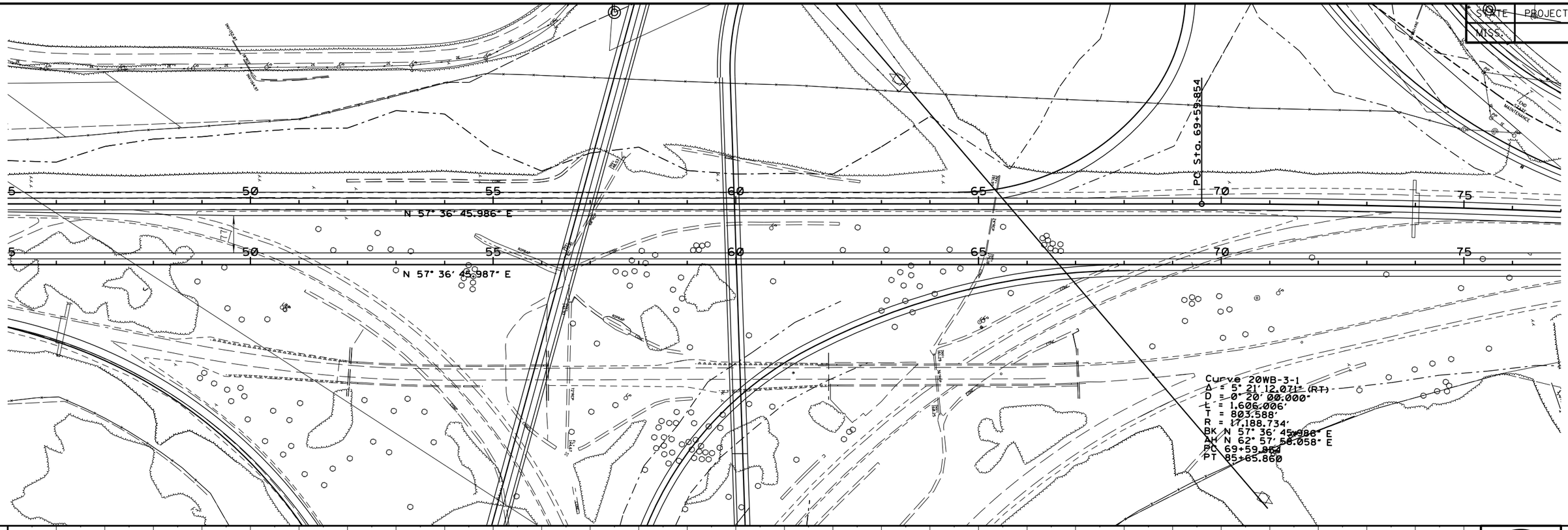


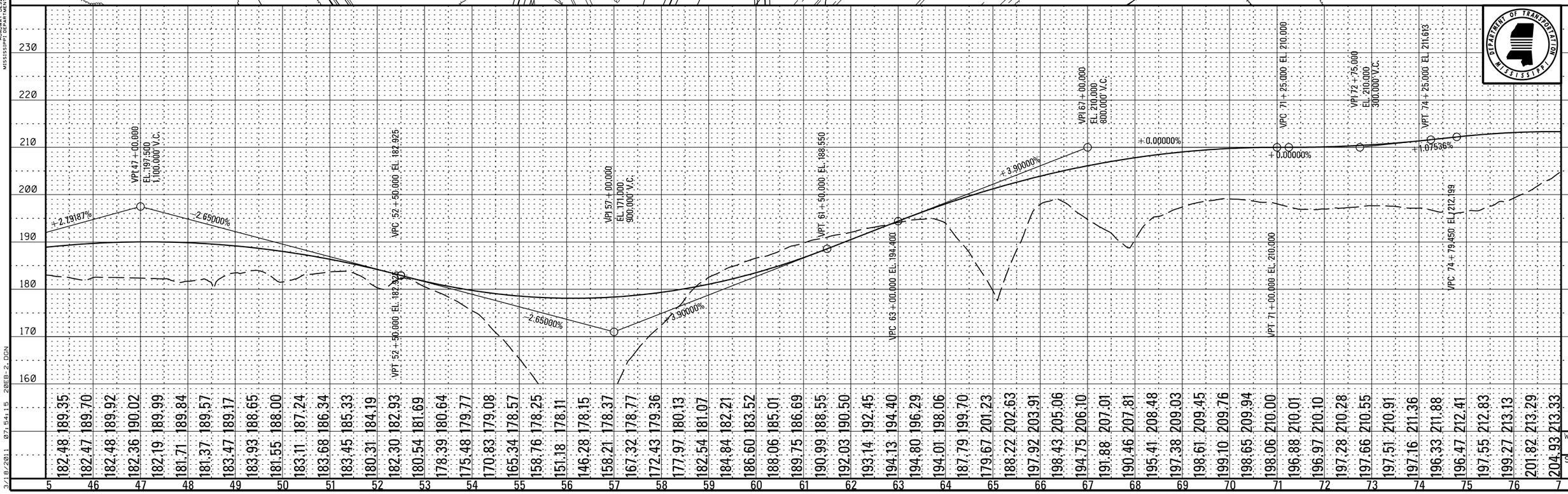
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/18/2011 07:53:18 20EB-1.DGN

DESIGN TEAM: FILENAME: 20EB-1.DGN COUNTY: PROJECT NO. : 2 PHASE H SHEET ID:

STATE	PROJECT NO.
MISS.	





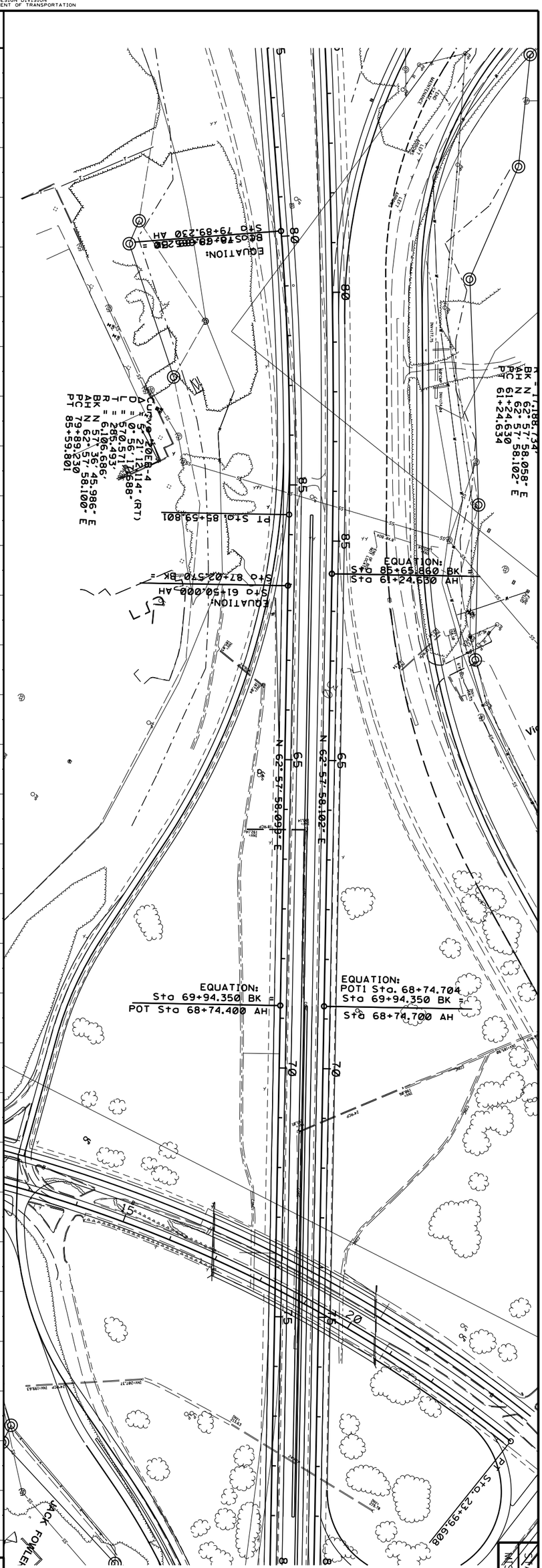
Wk. Sh. 2H-2
Sh. No.

PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/18/2011 07:54:15 20EB-2.DGN

DESIGN TEAM: FILENAME: 20EB-2.DGN COUNTY: PROJECT NO. : 2 PHASE H SHEET ID:

Station	Elevation
197.55	212.83
199.27	213.13
201.82	213.29
204.93	213.33
206.53	213.25
207.42	213.03
208.26	212.69
208.67	212.43
208.74	211.89
207.82	211.22
206.81	210.43
205.36	209.50
203.36	208.45
201.22	207.27
198.88	205.97
196.73	204.54
194.96	203.12
193.51	201.88
192.45	200.81
191.74	199.92
191.38	199.20
191.53	198.65
	198.63
191.62	198.26
192.16	198.08
192.92	198.06
193.91	198.22
195.15	198.56
196.42	199.07
197.74	199.75
199.16	200.61
200.58	201.64
201.92	202.84
203.02	204.14
204.13	205.43
205.28	206.72
206.55	208.01
207.89	209.31
209.29	210.60
211.26	212.41
212.50	213.70
213.68	215.00
214.82	216.29
215.87	217.58
217.07	218.87
218.44	220.17
219.99	221.46
221.41	222.75
222.59	224.05
223.77	225.34
224.91	226.63
225.97	227.92
227.18	229.20
228.50	230.36
229.86	231.39
230.97	232.29
231.71	233.05
232.35	233.69
232.83	234.19
232.94	234.56
233.04	234.80
232.88	234.91



DESIGN TEAM:

FILENAME: 20EB-3.DGN

COUNTY:

PROJECT NO. : 2 PHASE H

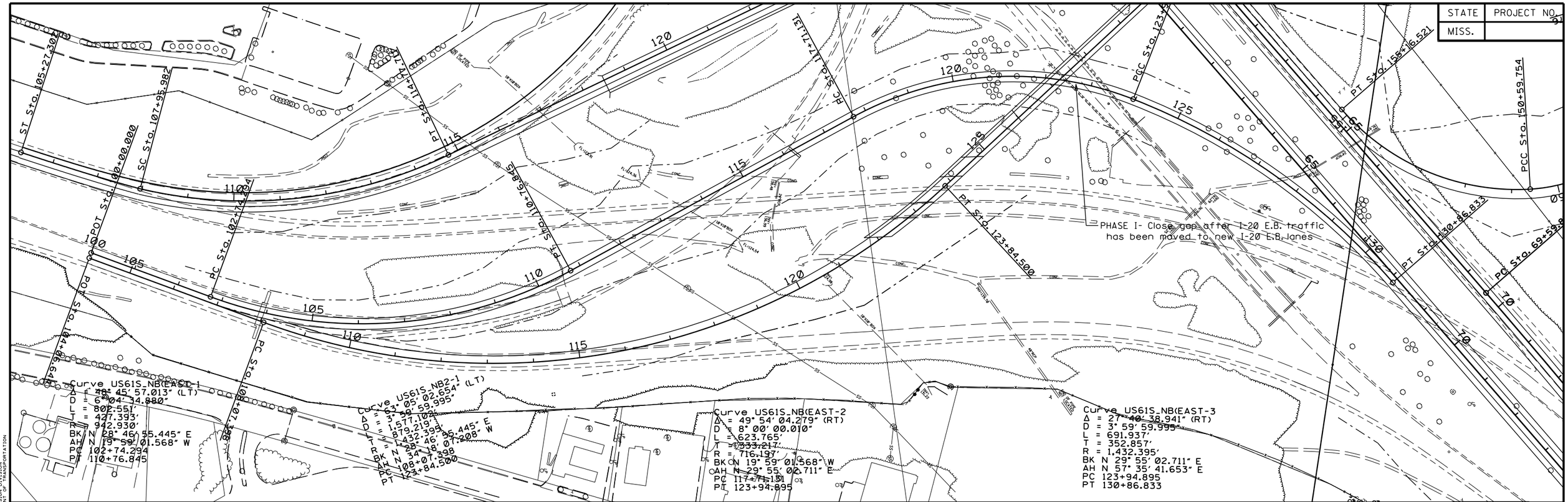
SHEET ID:

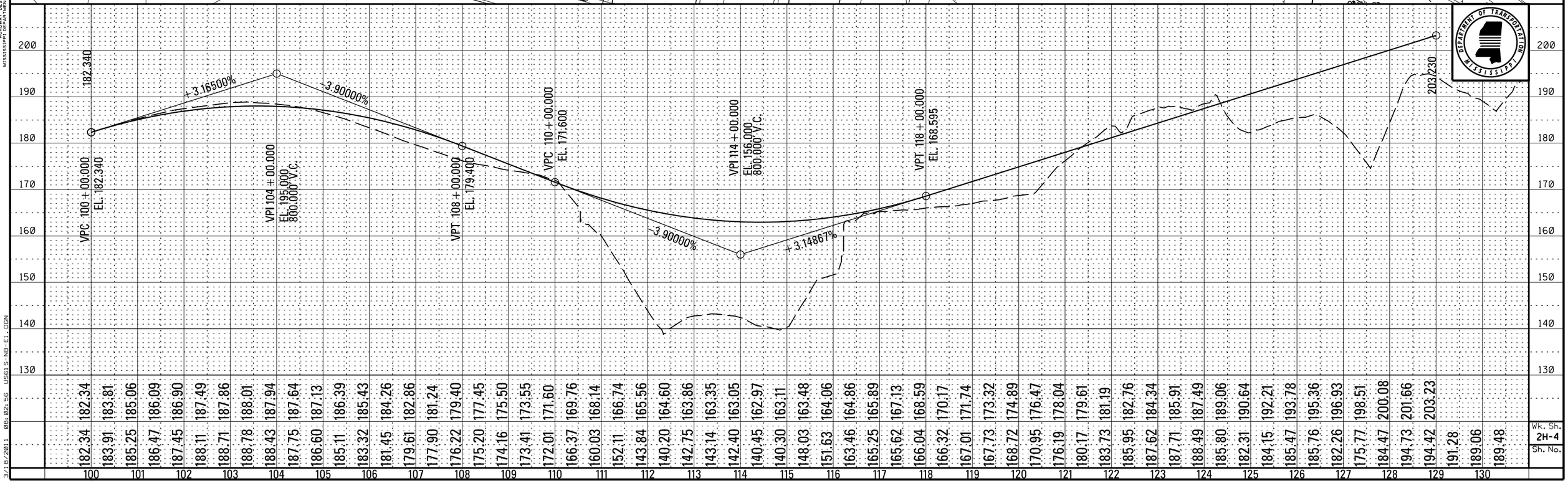
Sh. No. 2H-3 Wk. Sh.

STATE MISS.

PROJECT NO.

STATE	PROJECT NO.
MISS.	





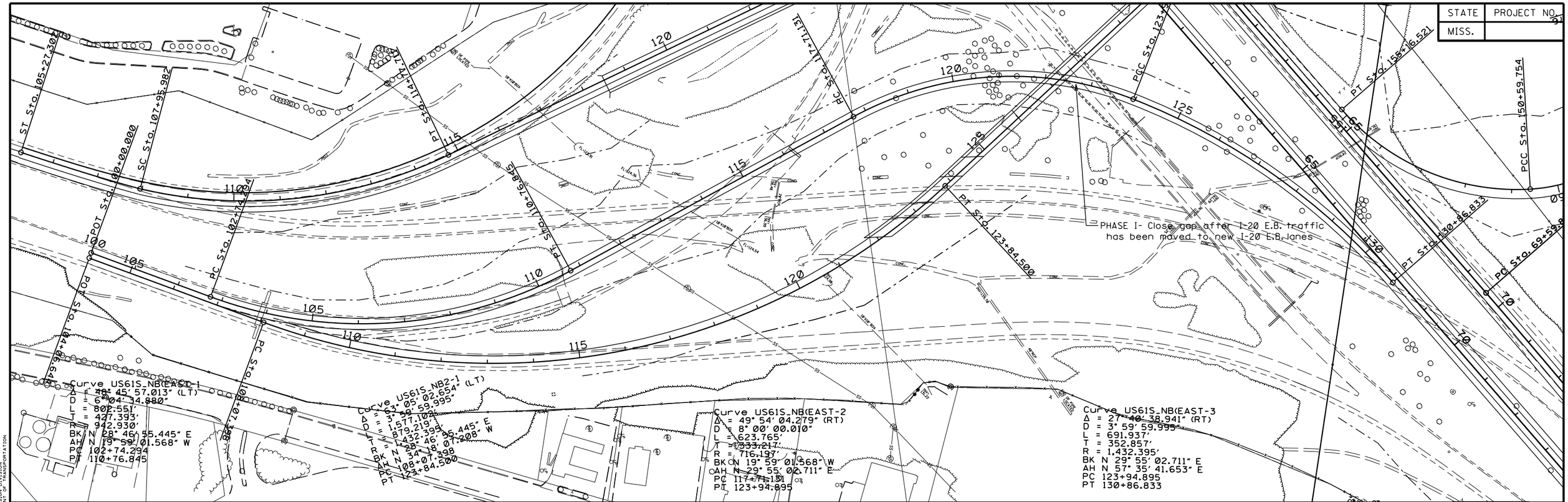
Wk. Sh. 2H-4
Sh. No.

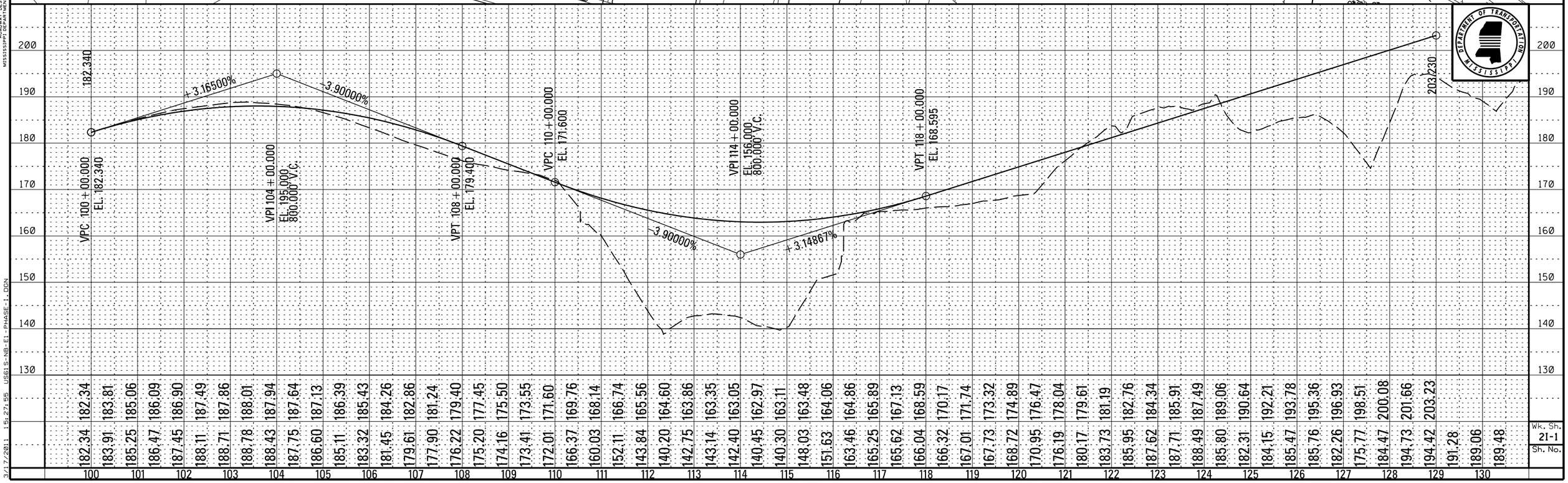
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/18/2011 08:02:56 US61S-NB-E1.DGN

DESIGN TEAM: FILENAME: US61S-NB-E1.DGN COUNTY: PROJECT NO. : 2 PHASE H SHEET ID:

STATE	PROJECT NO.
MISS.	



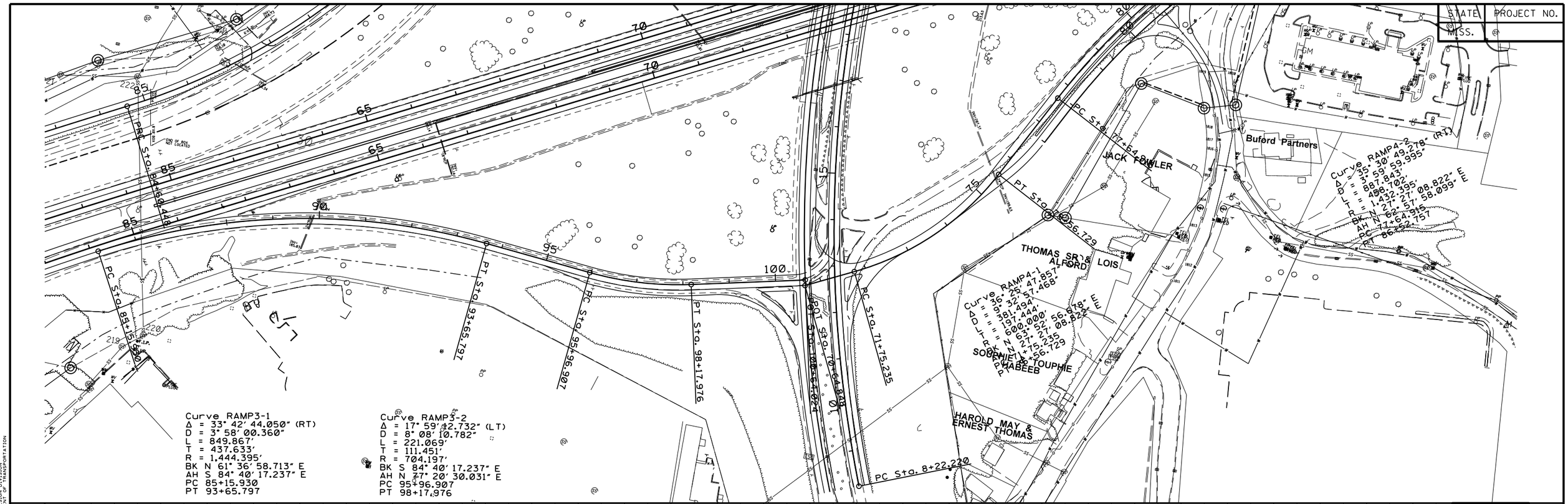


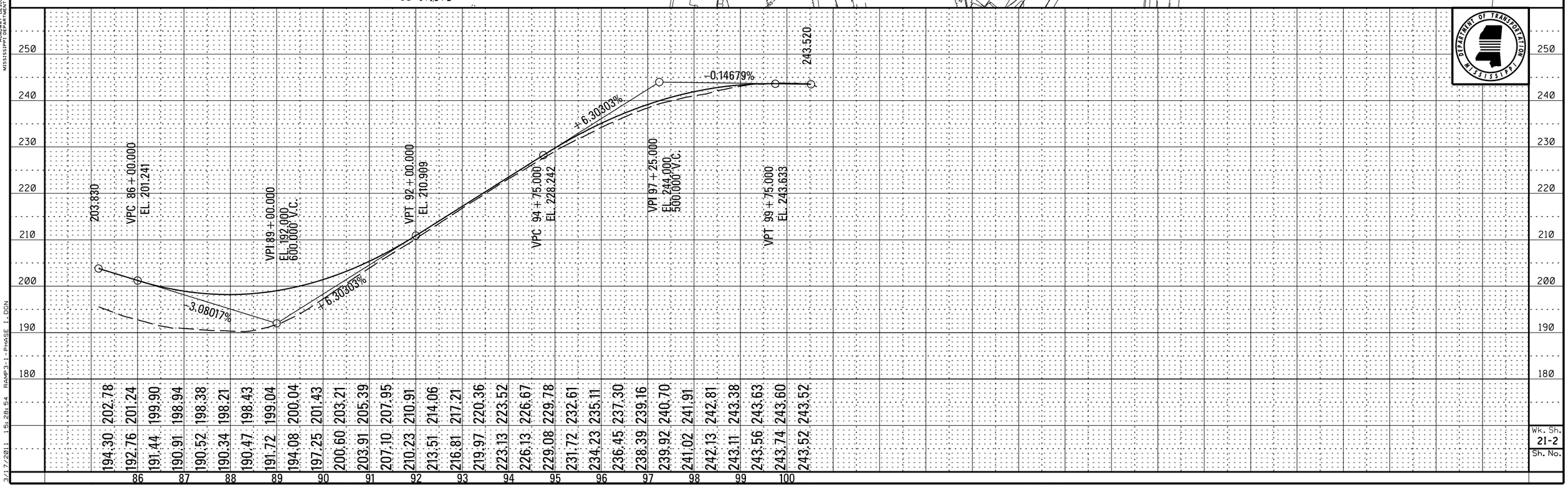
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/17/2011 15:27:55 US61S-NB-E1-PHASE-I.DGN

DESIGN TEAM: FILENAME: US61S-NB-E1-PHASE-I.DGN COUNTY: PROJECT NO. : 2 PHASE I SHEET ID:

STATE	PROJECT NO.
MISS.	





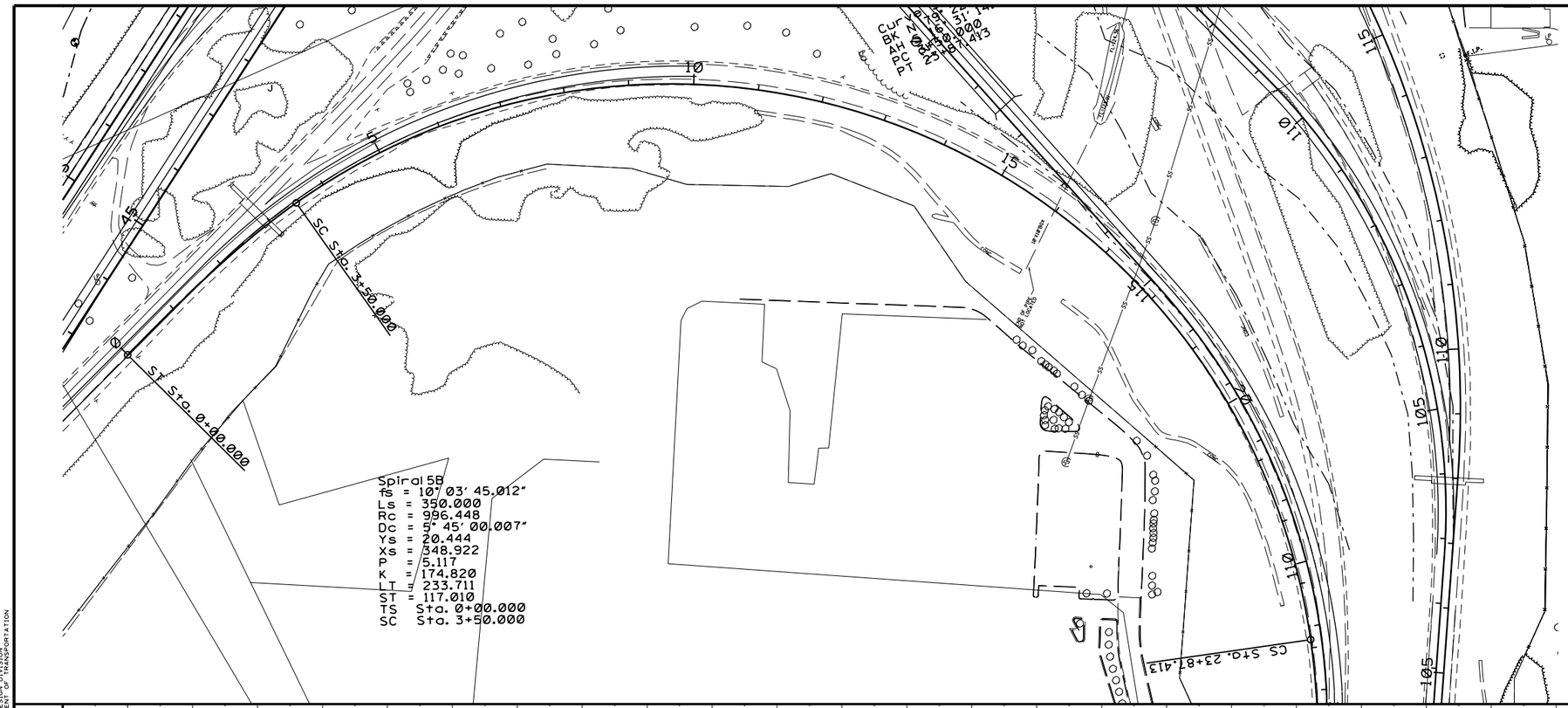
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

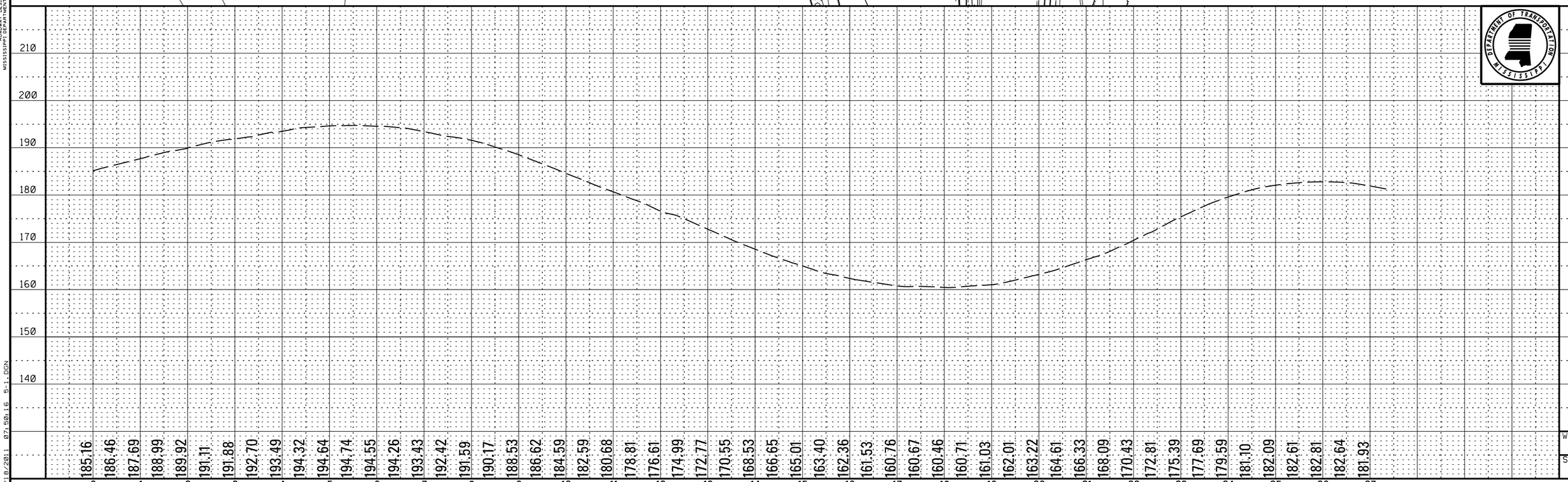
3/17/2011 15:28:54 RAMP3-1-PHASE I.DGN

Wk. Sh. 21-2
Sh. No.

DESIGN TEAM: FILENAME: RAMP3-1-PHASE I.DGN COUNTY: PROJECT NO. : 2 PHASE I SHEET ID:

STATE	PROJECT NO.
MISS.	





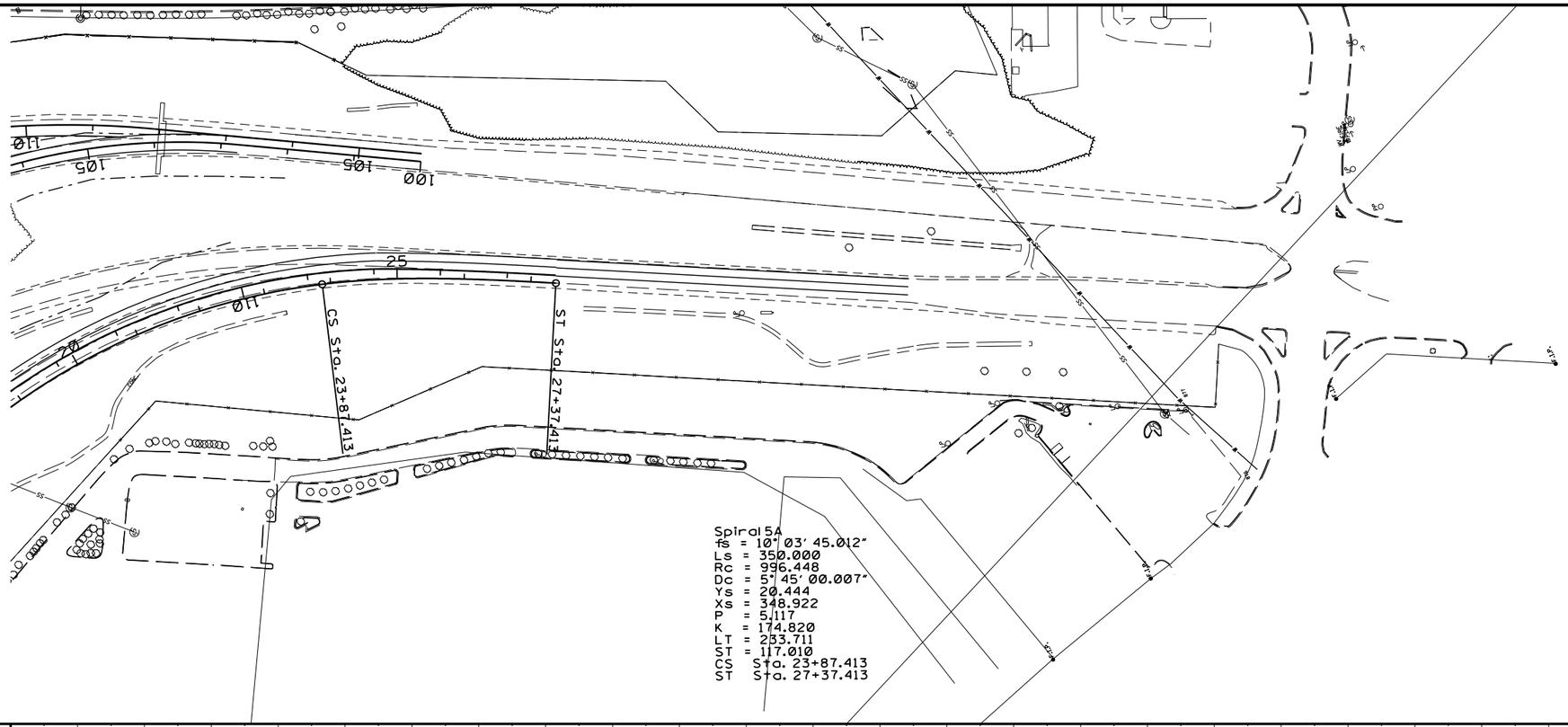
Wk. Sh. 2J-1
Sh. No.

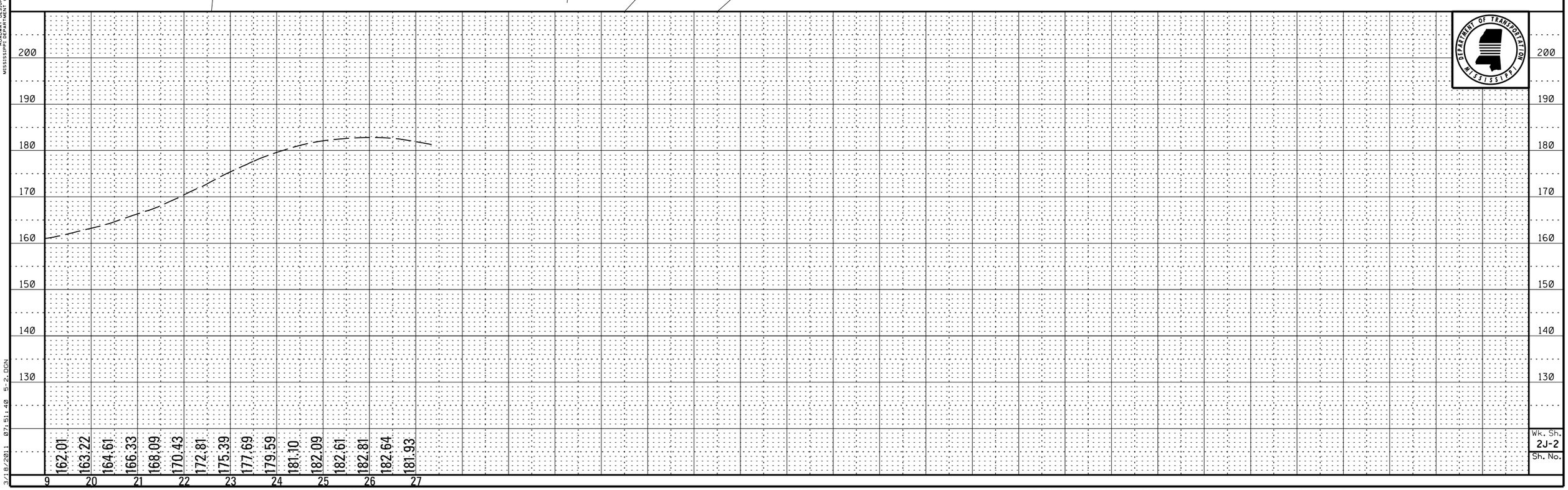
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/18/2011 07:50:16 5-1.DGN

DESIGN TEAM: FILENAME: 5-1.DGN COUNTY: PROJECT NO. : 2 PHASE J SHEET ID:

STATE	PROJECT NO.
MISS.	





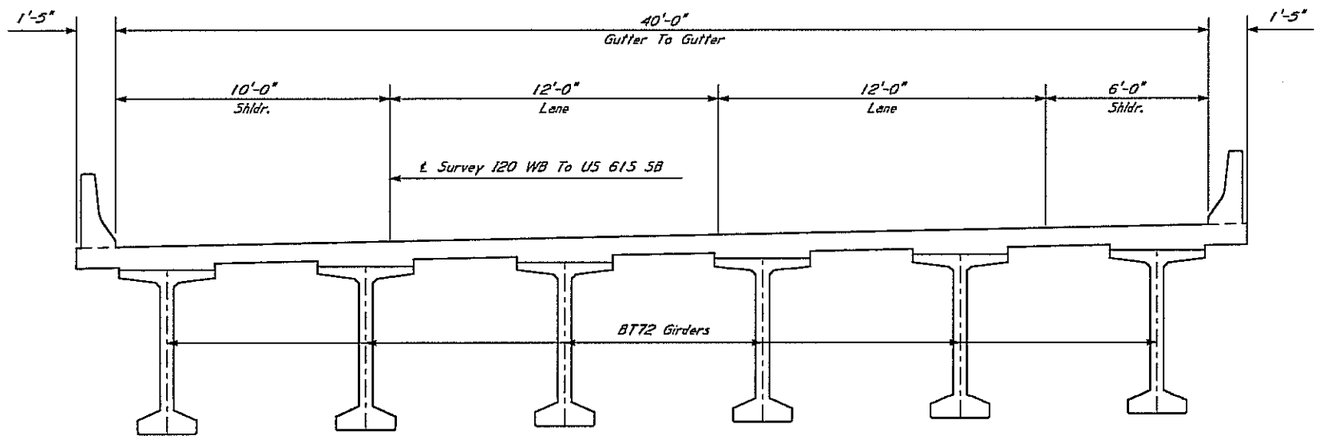
PLAN-PROFILE
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION

3/18/2011 07:51:40 5-2.DGN

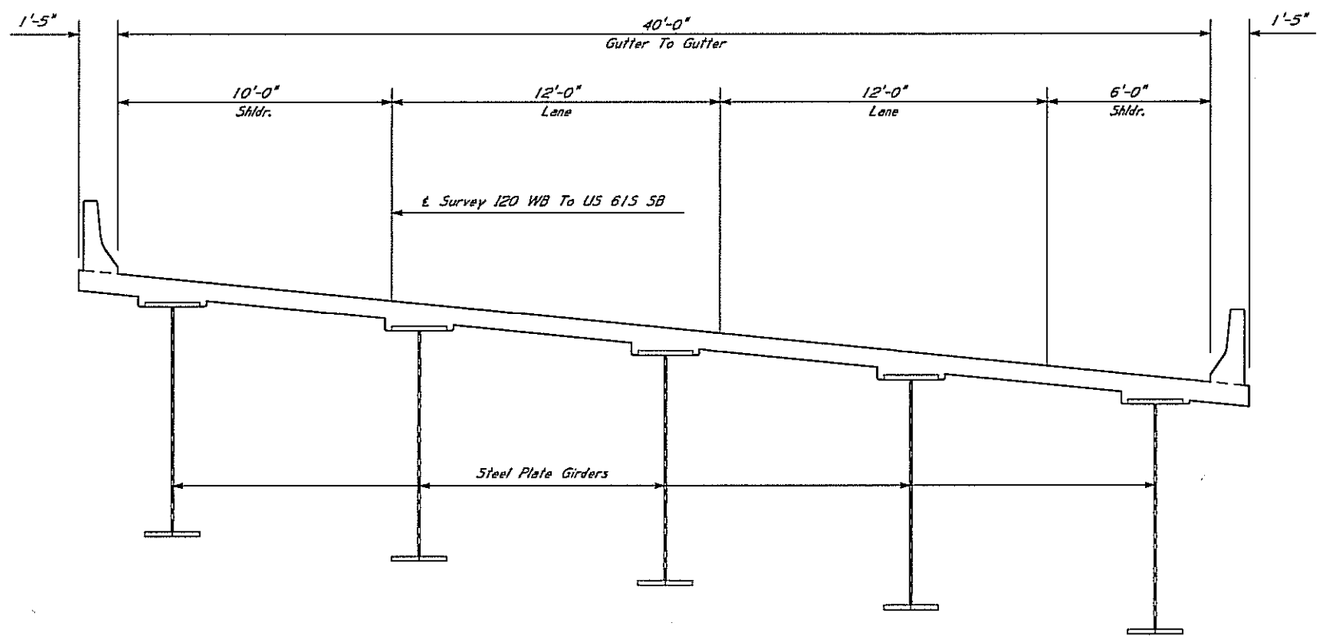
Wk. Sh. 2J-2
Sh. No.

DESIGN TEAM: FILENAME: 5-2.DGN COUNTY: PROJECT NO. : 2 PHASE J SHEET ID:

STATE	PROJECT NO.
MISS.	



TYPICAL SECTION ~ STA. 118+50 TO 134+95



TYPICAL SECTION ~ STA. 134+95 TO 143+35

NEEL-SCHAFFER
Solutions you can build upon

PRELIMINARY
NOT FOR
CONSTRUCTION

DATE: _____

REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
I-20 VICKSBURG

I-20 WESTBOUND RAMP TO
U.S. HWY. 61S SOUTHBOUND

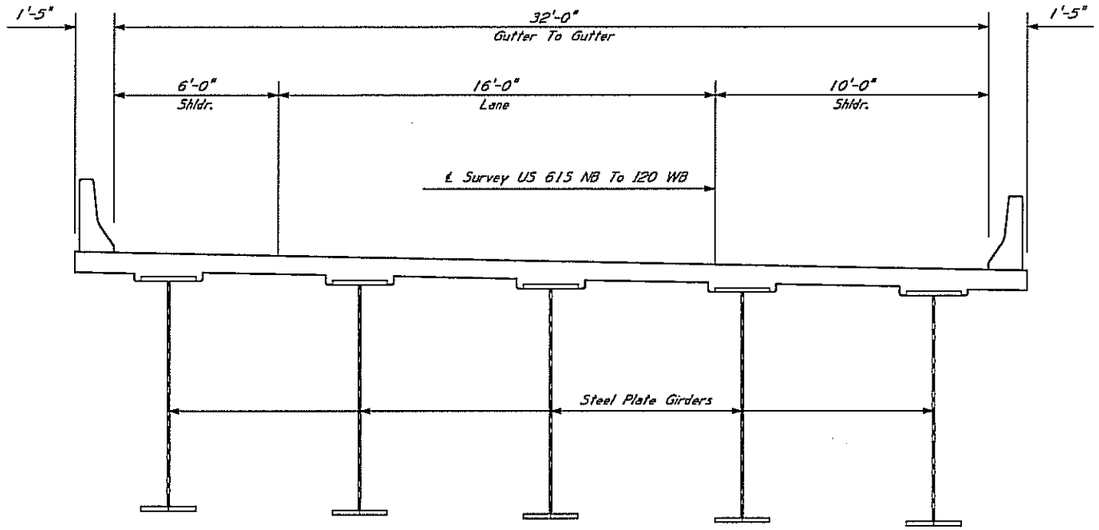
WORKING NUMBER
BTS2-1

DATE | DESIGNED _____ DETAILED _____ TRACED CADD
CHECKED _____ ISSUED _____ DATE _____

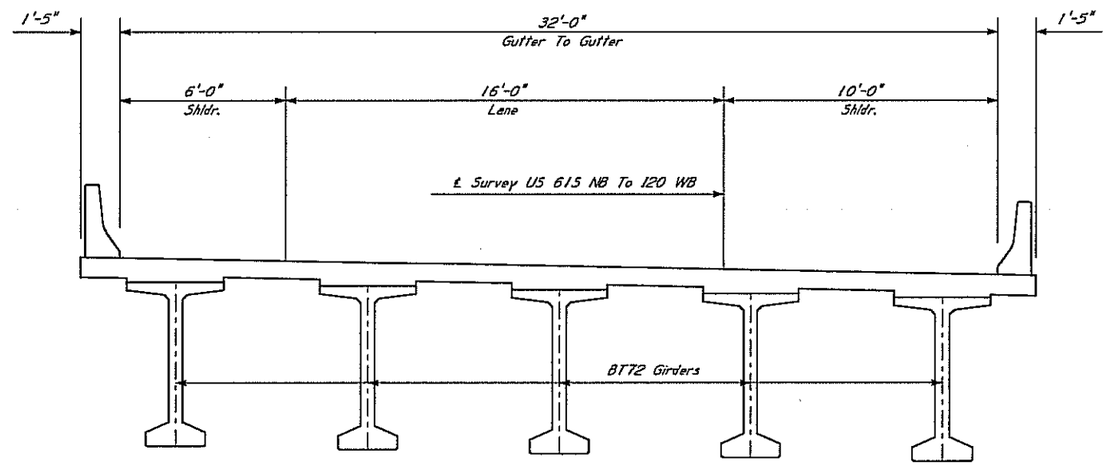
SHEET NUMBER

FILE: S:\Projects\6562 I20 VICKSBURG\Preliminary Drawings (dgn)\US61S\US61S_NBASB Ramps.dgn
DATE: 3/7/2011 TIME: 8:57:21 AM USER: CMC

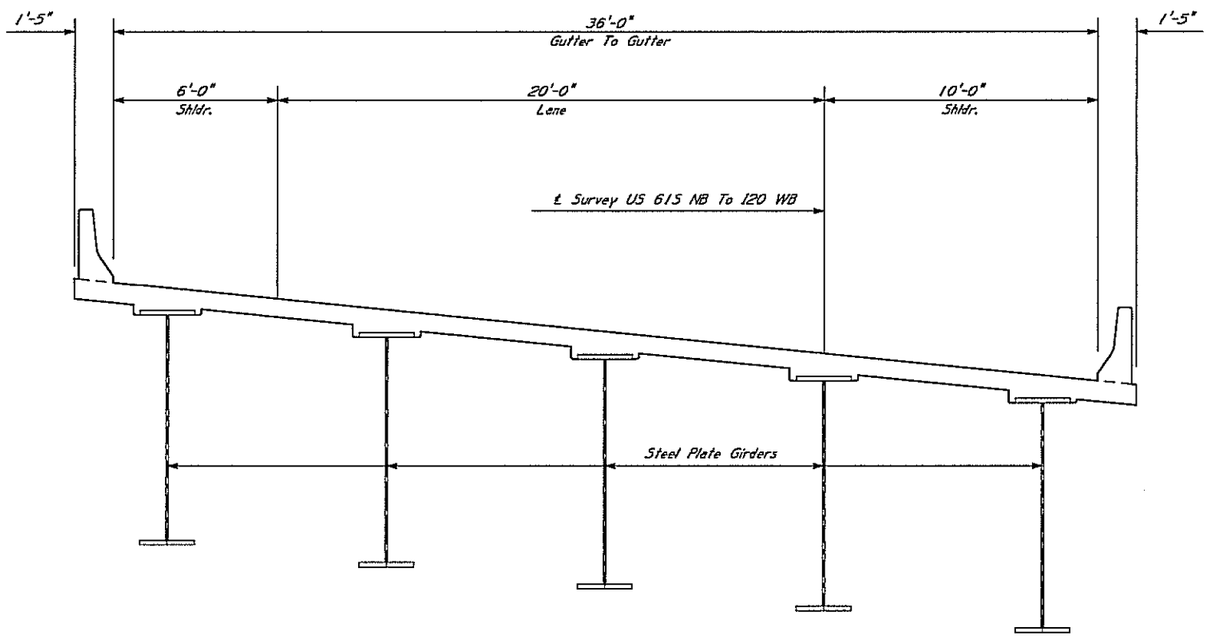
STATE	PROJECT NO.
MISS.	



TYPICAL SECTION ~ STA. 122+50 TO 127+90



TYPICAL SECTION ~ STA. 127+90 TO 133+80



TYPICAL SECTION ~ STA. 133+80 TO 141+50

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
I-20 VICKSBURG

U.S. HWY. 61S NORTHBOUND
RAMP TO I-20 WESTBOUND

NEEL-SCHAFFER
Solutions you can build upon

PRELIMINARY
NOT FOR
CONSTRUCTION

DATE: _____

DATE	REVISION	BY

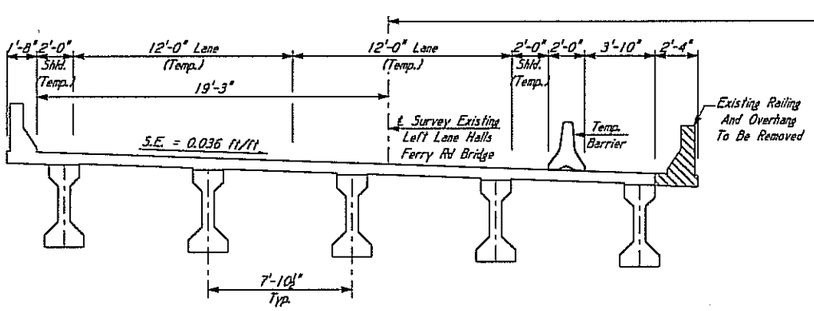
DESIGNED _____ DETAILED _____ TRACED CADD
CHECKED _____ ISSUED _____ DATE _____

WORKING NUMBER
BTS2-2

SHEET NUMBER

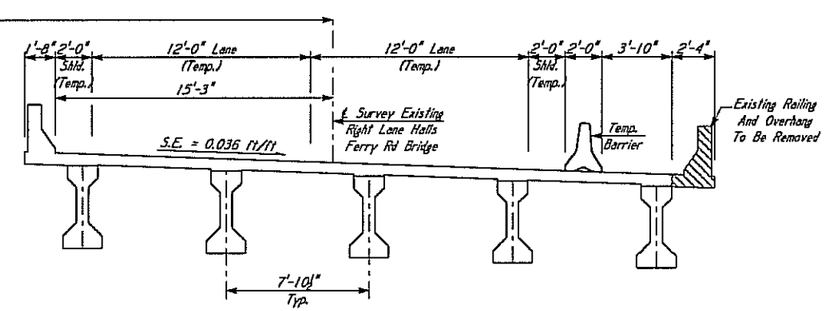
FILE: S:\Projects\6562 I20 VICKSBURG\Preliminary Drawings (dgn)\US61SUS61S_NB&SB Ramps.dgn
DATE: 3/7/2011 TIME: 8:57:36 AM USER: CWC

STATE	PROJECT NO.
MISS.	



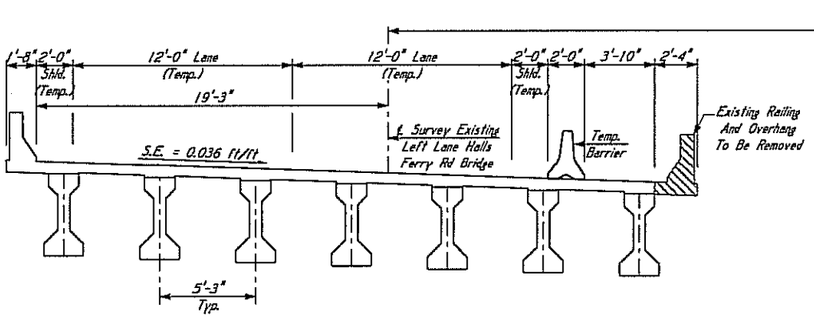
PHASE 1 ~ SPANS 1 & 4

Left Lane Bridge



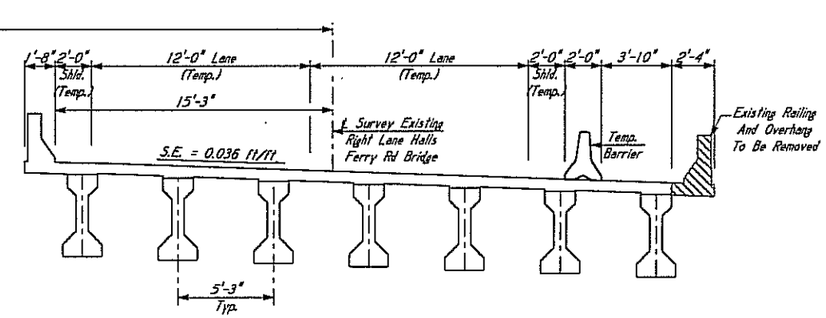
PHASE 1 ~ SPANS 1 & 4

Right Lane Bridge



PHASE 1 ~ SPANS 2 & 3

Left Lane Bridge



PHASE 1 ~ SPANS 2 & 3

Right Lane Bridge

NEEL-SCHAFFER
Solutions you can build upon

PRELIMINARY
NOT FOR
CONSTRUCTION

DATE: _____

BY	REVISION	DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
I-20 VICKSBURG

HALLS FERRY ROAD OVER I-20

DESIGNED _____ DETAILED _____ TRACED CADD

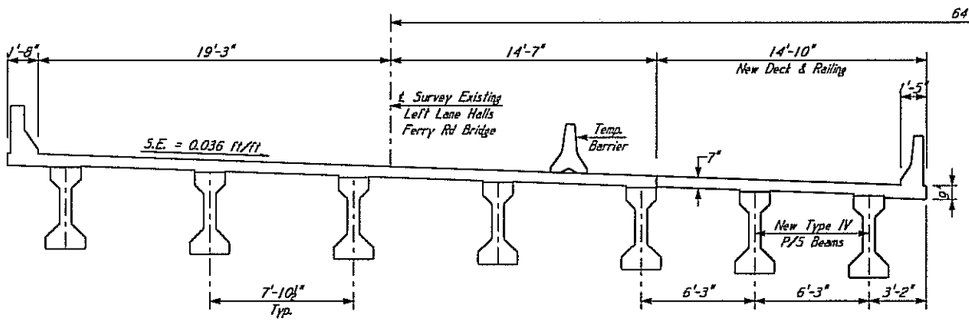
CHECKED _____ ISSUED _____ DATE _____

WORKING NUMBER
BTS2-3

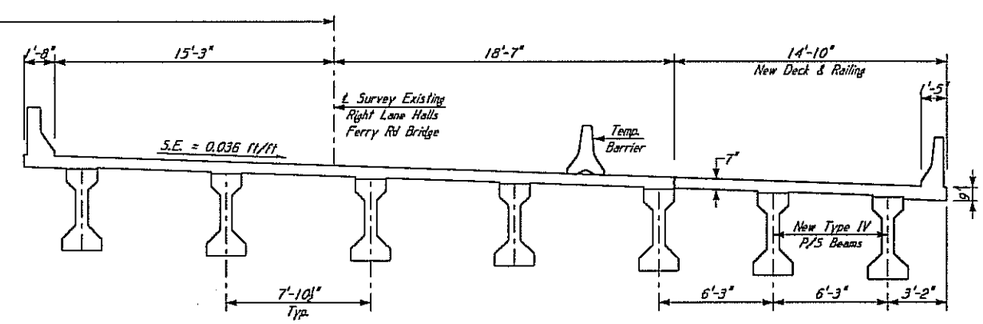
SHEET NUMBER

FILE: S:\Projects\5562 I20 VICKSBURG\Preliminary Drawings (dgn)\Halls Ferry Rd\Halls Ferry Plan.dgn
DATE: 3/7/2011 TIME: 8:54:18 AM USER: CMC

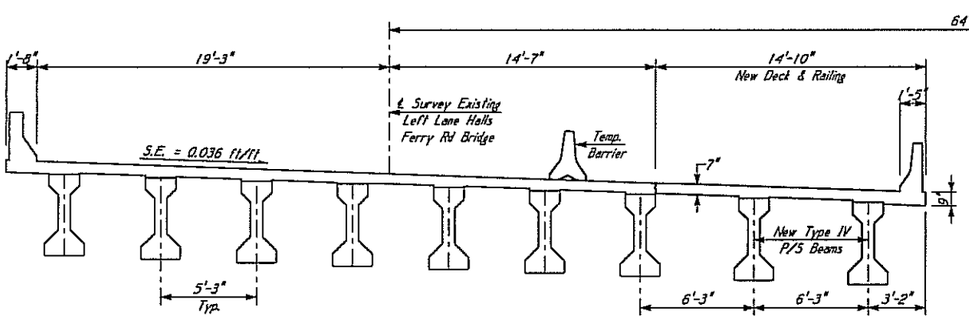
STATE	PROJECT NO.
MISS.	



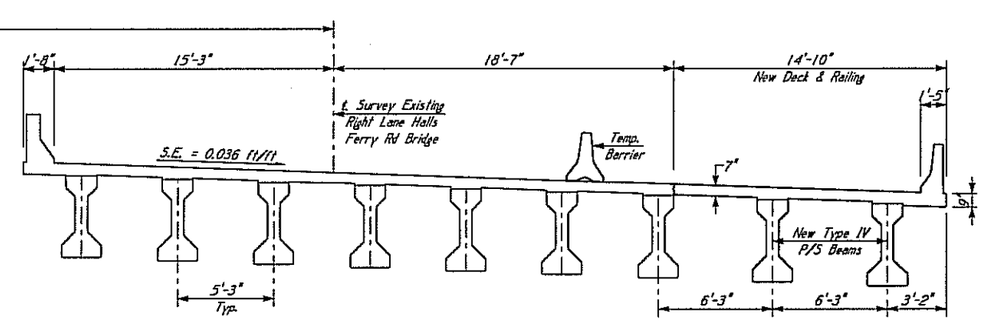
PHASE 2 ~ SPANS 1 & 4
Left Lane Bridge



PHASE 2 ~ SPANS 1 & 4
Right Lane Bridge



PHASE 2 ~ SPANS 2 & 3
Left Lane Bridge



PHASE 2 ~ SPANS 2 & 3
Right Lane Bridge

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
I-20 VICKSBURG

HALLS FERRY ROAD OVER I-20

NEEL-SCHAFFER
Solutions you can build upon

PRELIMINARY
NOT FOR
CONSTRUCTION

DATE: _____

DATE	REVISION	BY

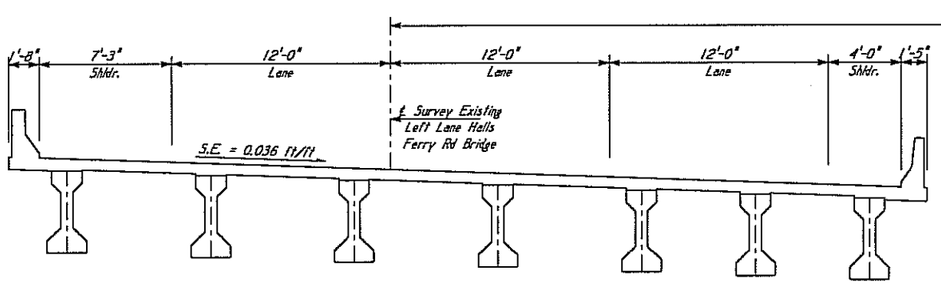
DESIGNED _____ DETAILED _____ TRACED CADD
CHECKED _____ ISSUED _____ DATE _____

WORKING NUMBER
BTS2-4

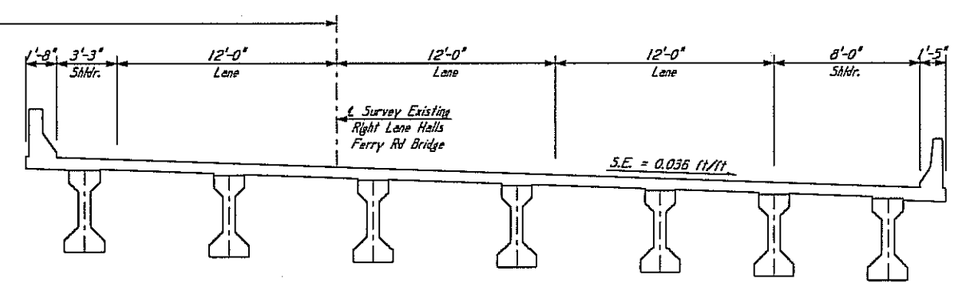
SHEET NUMBER

FILE: S:\Projects\6552 I20 VICKSBURG\Preliminary Drawings (dgn)\Halls Ferry Rd\Halls Ferry Plan.dgn
DATE: 3/7/2011 TIME: 8:54:28 AM USER: CMC

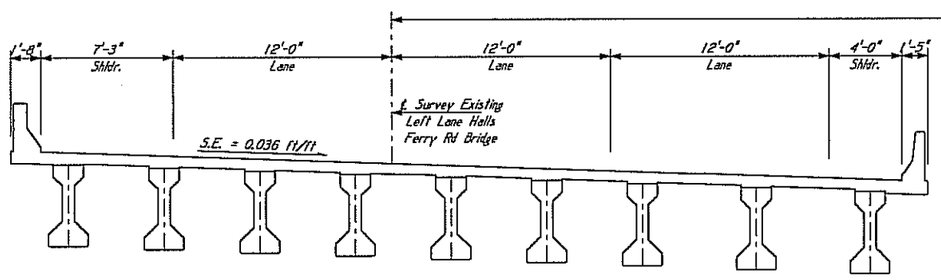
STATE	PROJECT NO.
MISS.	



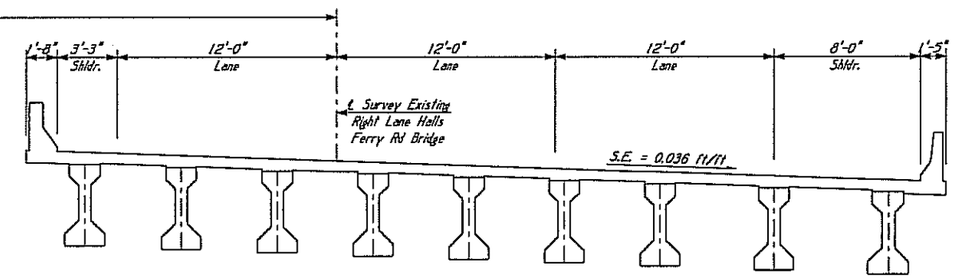
COMPLETED PROJECT ~ SPANS 1 & 4
Left Lane Bridge



COMPLETED PROJECT ~ SPANS 1 & 4
Right Lane Bridge



COMPLETED PROJECT ~ SPANS 2 & 3
Left Lane Bridge



COMPLETED PROJECT ~ SPANS 2 & 3
Right Lane Bridge

FILE: S:\Projects\6562 I20 VICKSBURG\Preliminary Drawings (dgn)\Halls Ferry Rd\Halls Ferry Plan.dgn
DATE: 3/7/2011 TIME: 8:54:38 AM USER: CMC

NEEL-SCHAFFER
Solutions you can build upon

PRELIMINARY
NOT FOR
CONSTRUCTION
DATE: _____

REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
I-20 VICKSBURG

HALLS FERRY ROAD OVER I-20

WORKING NUMBER
BTS2-5

SHEET NUMBER

DATE | DESIGNED _____ DETAILED _____ TRACED CADD
CHECKED _____ ISSUED _____ DATE _____

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (US61S INTERCHANGE)(PROJECT 2 PHASE A)(DETOUR 3)

County: WARREN

Lettingday: 06/30/2016

Scope of Work:

Rural/Urban: Rural

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.35

Grading Cost Per Mile: $530,000

Paving Cost Per Mile: $490,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.35	x	$530,000	x	115%	$210,278
Paving Cost:	0.35		$490,000	x	115%	$194,408
Bridge cost:	0	x	$0.00	x	115%	$0
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)		x		x	115%	$0
					Total Estimate:	**$404,685**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

.

Anticipating a 3% inflation factor per year, the estimated construction cost is $500,000
(Includes Engineering and contingencies)

Remarks:

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 2 PHASE A

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (US61S INTERCHANGE)(PROJECT 2 PHASE B)(HALL'S FERRY)

County: WARREN

Lettingday: 06/30/2016

Scope of Work:

Rural/Urban: Rural

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.10

Grading Cost Per Mile: $530,000

Paving Cost Per Mile: $490,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.10	x	$530,000	x	115%	$60,950
Paving Cost:	0.10		$490,000	x	115%	$56,350
Bridge cost:	10,974	x	$150.00	x	115%	$1,893,015
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$1,465,000	x	115%	$1,684,750
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)		x		x	115%	$0
					Total Estimate:	**$3,695,065**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

.

Anticipating a 3% inflation factor per year, the estimated construction cost is $4,500,000
(Includes Engineering and contingencies)

Remarks:

Estimated Loop as 1/4 Diamond Interchange. This should compensate for extensive traffic control.

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 2 PHASE B

Summary of Projected Bridge Cost

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (US61S INTERCHANGE)(PROJECT 2 PHASE B)(HALL'S FERRY)
County: WARREN
Lettingday: 06/30/2016

	Area of Bridge*		Per SF		Cost	Remarks
Interchange Bridges	0	x	$77	=	$0	
Hydraulic Concrete Spans	0	x	$75	=	$0	
Grade Separations	0	x	$77	=	$0	
Steel Structures	0	x	$145	=	$0	
Widen Existing Bridge (Lt)	5,487	x	$150	=	$823,050	
Widen Existing Bridge (Rt)	5,487	x	$150	=	$823,050	
Other Bridges	0	x	$80	=	$0	
Other Bridges	0	x	$90	=	$0	
Other Bridges	0	x	$100	=	$0	
	10,974	x	$150.00	=	$1,646,100	

* 2 feet 10 inches added to all bridge widths for bridge rail

Remarks:

Interchange Cost:

	Grading			Paving			Lighting					
	#	Cost	Total	#	Cost	Total		Cost	Total	Total per type		
Diamond	0	$2,490,000	$622,500	0	$3,370,000	$842,500	0	$380,000	$0	$1,465,000		
Cloverleaf	0	$5,850,000	$0	0	$7,920,000	$0	0	$380,000	$0	$0	$3,442,750.00	
Trumpet	0	$3,330,000	$0	0	$4,510,000	$0	0	$380,000	$0	$0	$1,963,100	$1,098,750
	0		$622,500	0		$842,500	0		$0			

Total Grading and Paving: $1,465,000

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (US61S INTERCHANGE)(PROJECT 2 PHASE C)(DETOUR 2 & CONN)

County: WARREN

Lettingday: 06/30/2016

Scope of Work:

Rural/Urban: Rural

Rolling/Flat:

Grading:

Paving:

Length in Miles: 1.68

Grading Cost Per Mile: $530,000

Paving Cost Per Mile: $490,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	1.68	x	$530,000	x	115%	$1,023,960
Paving Cost:	1.68		$490,000	x	115%	$946,680
Bridge cost:	0	x	$0.00	x	115%	$0
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)		x		x	115%	$0
					Total Estimate:	**$1,970,640**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

.

Anticipating a 3% inflation factor per year, the estimated construction cost is $2,400,000
(Includes Engineering and contingencies)

Remarks:

0.84 mile actual length. Added 0.84 mile to compesate for extra strength paving, for traffic control, and signing.

Prepared By: Aubrey Kopf — **Signature**; Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 2 PHASE C

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (US61S INTERCHANGE)(PROJECT 2 PHASE D)

County: WARREN

Lettingday: 06/30/2016

Scope of Work:

Rural/Urban: Rural

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.37

Grading Cost Per Mile: $1,910,000

Paving Cost Per Mile: $3,470,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.37	x	$1,910,000	x	115%	$812,705
Paving Cost:	0.37		$3,470,000	x	115%	$1,476,485
Bridge cost:	0	x	$0.00	x	115%	$0
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)		x		x	115%	$0
					Total Estimate:	**$2,289,190**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

.

Anticipating a 3% inflation factor per year, the estimated construction cost is $2,800,000
(Includes Engineering and contingencies)

Remarks:

New I-20 WB. 4-lane undivided. Heavy truck traffic.

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 2 PHASE D

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (US61S INTERCHANGE)(PROJECT 2 PHASE E)(RAMP-NB TO WB)

County: WARREN

Lettingday: 06/30/2016

Scope of Work:

Rural/Urban: Urban

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.91

Grading Cost Per Mile: $530,000

Paving Cost Per Mile: $490,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.91	x	$530,000	x	115%	$554,645
Paving Cost:	0.91		$490,000	x	115%	$512,785
Bridge cost:	69,257	x	$113.13	x	115%	$9,010,394
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)		x		x	115%	$0
					Total Estimate:	**$10,077,824**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

.

Anticipating a 3% inflation factor per year, the estimated construction cost is $12,400,000
(Includes Engineering and contingencies)

Remarks:

Estimate as 2-Ln New Location for 16' Ramp. Minor Traffic Control and minor drainage. No R/W.

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 2 PHASE E

Summary of Projected Bridge Cost

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (US61S INTERCHANGE)(PROJECT 2 PHASE E)(RAMP-NB TO WB)
County: WARREN
Lettingday: 06/30/2016

	Area of Bridge*		Per SF		Cost	Remarks
Interchange Bridges	0	x	$77	=	$0	
Hydraulic Concrete Spans	0	x	$75	=	$0	
Grade Separations	0	x	$77	=	$0	
Steel Structures	0	x	$145	=	$0	
STEEL PLATE GIRDER	18,808	x	$125	=	$2,351,000	122+50 TO 127+90
CONC. GIRDER	20,550	x	$85	=	$1,746,750	127+90 TO 133+80
STEEL PLATE GIRDER	29,899	x	$125	=	$3,737,375	133+80 TO 141+50
Other Bridges	0	x	$90	=	$0	
Other Bridges	0	x	$100	=	$0	
	69,257	x	$113.13	=	$7,835,125	

* 2 feet 10 inches added to all bridge widths for bridge rail

Remarks:

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (US61S INTERCHANGE)(PROJECT 2 PHASE F)(RAMP-WB TO SB)

County: WARREN

Lettingday: 06/30/2016

Scope of Work:

Rural/Urban: Urban

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.59

Grading Cost Per Mile: $530,000

Paving Cost Per Mile: $490,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.59	x	$530,000	x	115%	$359,605
Paving Cost:	0.59		$490,000	x	115%	$332,465
Bridge cost:	106,218	x	$98.55	x	115%	$12,037,752
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)		x		x	115%	$0
					Total Estimate:	**$12,729,822**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

.

Anticipating a 3% inflation factor per year, the estimated construction cost is $15,600,000
(Includes Engineering and contingencies)

Remarks:

Estimate as 2-Ln New Location for 24' Ramp. Minor Traffic Control. No R/W.

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 2 PHASE F

Summary of Projected Bridge Cost

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (US61S INTERCHANGE)(PROJECT 2 PHASE F)(RAMP-WB TO SB)
County: WARREN
Lettingday: 06/30/2016

	Area of Bridge*		Per SF		Cost	Remarks
Interchange Bridges	0	x	$77	=	$0	
Hydraulic Concrete Spans	0	x	$75	=	$0	
Grade Separations	0	x	$77	=	$0	
Steel Structures	0	x	$145	=	$0	
STEEL PLATE GIRDER	35,977	x	$125	=	$4,497,125	118+55 TO 134+95
CONC. GIRDER	70,241	x	$85	=	$5,970,485	134+95 TO 143+35
STEEL PLATE GIRDER	0	x	$125	=	$0	
Other Bridges	0	x	$90	=	$0	
Other Bridges	0	x	$100	=	$0	
	106,218	x	$98.55	=	$10,467,610	

* 2 feet 10 inches added to all bridge widths for bridge rail

Remarks:

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (US61S INTCH)(PROJECT 2 PHASE Ga)(DETOUR 1-regrade I-20 EB)

County: WARREN

Lettingday: 06/30/2016

Scope of Work:

Rural/Urban: Rural

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.56

Grading Cost Per Mile: $900,000

Paving Cost Per Mile: $2,690,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.56	x	$900,000	x	115%	$579,600
Paving Cost:	0.56		$2,690,000	x	115%	$1,732,360
Bridge cost:	0	x	$0.00	x	115%	$0
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)		x		x	115%	$0
					Total Estimate:	**$2,311,960**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

.

Anticipating a 3% inflation factor per year, the estimated construction cost is $2,800,000
(Includes Engineering and contingencies)

Remarks:

Var. widening (2-Ln & 4-Ln & 16' Ramp). Major Traffic Control. Moderate drainage.

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 2 PHASE Ga

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (US61S INTCH)(PROJECT 2 PHASE Gb)(DETOUR 1-CONN TO I-20 EB)

County: WARREN

Lettingday: 06/30/2016

Scope of Work:

Rural/Urban: Urban

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.28

Grading Cost Per Mile: $530,000

Paving Cost Per Mile: $490,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.28	x	$530,000	x	115%	$170,660
Paving Cost:	0.28		$490,000	x	115%	$157,780
Bridge cost:	0	x	$0.00	x	115%	$0
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)		x		x	115%	$0
					Total Estimate:	**$328,440**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

.

Anticipating a 3% inflation factor per year, the estimated construction cost is $400,000
(Includes Engineering and contingencies)

Remarks:

Estimate as 2-Ln New Location for 24' Detour & 24' Intch Ramp. Minor Traffic Control. Minor Drainage.

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 2 PHASE Gb

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg PROJECT 2 PHASE H) (I-20 EB -40+00 TO EQ 87+00=61+50 TO 78+00)

County: WARREN

Lettingday: 06/30/2016

Scope of Work:

Rural/Urban: Rural

Rolling/Flat:

Grading:

Paving:

Length in Miles: 1.69

Grading Cost Per Mile: $620,000

Paving Cost Per Mile: $2,200,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	1.69	x	$620,000	x	115%	$1,204,970
Paving Cost:	1.69		$2,200,000	x	115%	$4,275,700
Bridge cost:	0	x	$0.00	x	115%	$0
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)		x		x	115%	$0
					Total Estimate:	**$5,480,670**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

.

Anticipating a 3% inflation factor per year, the estimated construction cost is $6,700,000
(Includes Engineering and contingencies)

Remarks:

Est. length for adding 2 Ln Equivalency. (2100' 2-Ln, 2482' 4-Ln, 350' 3-Ln, 1500 1-Ln)

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 2 PHASE H

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (US61S INTCH)(PROJECT 2 PHASE I)(RAMP NB TO EB)

County: WARREN

Lettingday: 06/30/2016

Scope of Work:

Rural/Urban: Rural

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.51

Grading Cost Per Mile: $530,000

Paving Cost Per Mile: $490,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.51	x	$530,000	x	115%	$310,845
Paving Cost:	0.51		$490,000	x	115%	$287,385
Bridge cost:	0	x	$0.00	x	115%	$0
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)	1.00	x	$700,000.00	x	115%	$805,000
					Total Estimate:	**$1,403,230**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

REMOVE 3 BRIDGES (I-20 EB, I-20 EB, & RAMP NB TO WB)

Anticipating a 3% inflation factor per year, the estimated construction cost is $1,700,000
(Includes Engineering and contingencies)

Remarks:

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 2 PHASE I

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (US61S INTCH)(PROJECT 2 PHASE J)(RAMP EB TO SB)

County: WARREN

Lettingday: 06/30/2016

Scope of Work:

Rural/Urban: Rural

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.51

Grading Cost Per Mile: $0

Paving Cost Per Mile: $290,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.51	x	$0	x	115%	$0
Paving Cost:	0.51		$290,000	x	115%	$170,085
Bridge cost:	0	x	$0.00	x	115%	$0
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)		x		x	115%	$0
					Total Estimate:	**$170,085**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Anticipating a 3% inflation factor per year, the estimated construction cost is $200,000
(Includes Engineering and contingencies)

Remarks:

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 2 PHASE J

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (US61S INTERCHANGE)(PROJECT 2 MISC.)

County: WARREN

Lettingday: 06/30/2016

Scope of Work:

Rural/Urban: Rural

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.00

Grading Cost Per Mile: $0

Paving Cost Per Mile: $0 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.00	x	$0	x	115%	$0
Paving Cost:	0.00		$0	x	115%	$0
Bridge cost:	0	x	$0.00	x	115%	$0
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)	1.00	x	$1,988,447.00	x	115%	$2,286,714
					Total Estimate:	**$2,286,714**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

.Lighting -$508,250 + 0.5($380,000) = $698,250: Signals -(3)@$150,000 = $450,000: Signing- (2%) of $42,009,861=$840,197: Total Misc.=$1,988,447

Anticipating a 3% inflation factor per year, the estimated construction cost is $2,800,000
(Includes Engineering and contingencies)

Remarks:

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 2 MISC

Alternative B

Possible Project 3

Typical Section Sheets,
Construction Phasing Sheets,
Plan Profile Sheets and
Construction Cost Estimate Sheets

P.E.

FED. ROAD REG. NO.	STATE	PROJECT NO.	SHEET NO.
4	MISS.		1

GENERAL INDEX

FOR DETAILED INDEX OF PLANS SEE SHEET NO. 2

DESCRIPTION	NUMBER OF SHEETS
TITLE SHEET	1
DETAILED INDEX	
GENERAL NOTES	
TYPICAL SECTIONS	
QUANTITIES	
PLAN AND PROFILES	
SPECIAL DESIGN – ROADWAY ITEMS	
BRIDGE DRAWINGS	
SPECIAL DESIGN – BRIDGES	
CROSS-SECTIONS	
TOTAL SHEETS	

STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

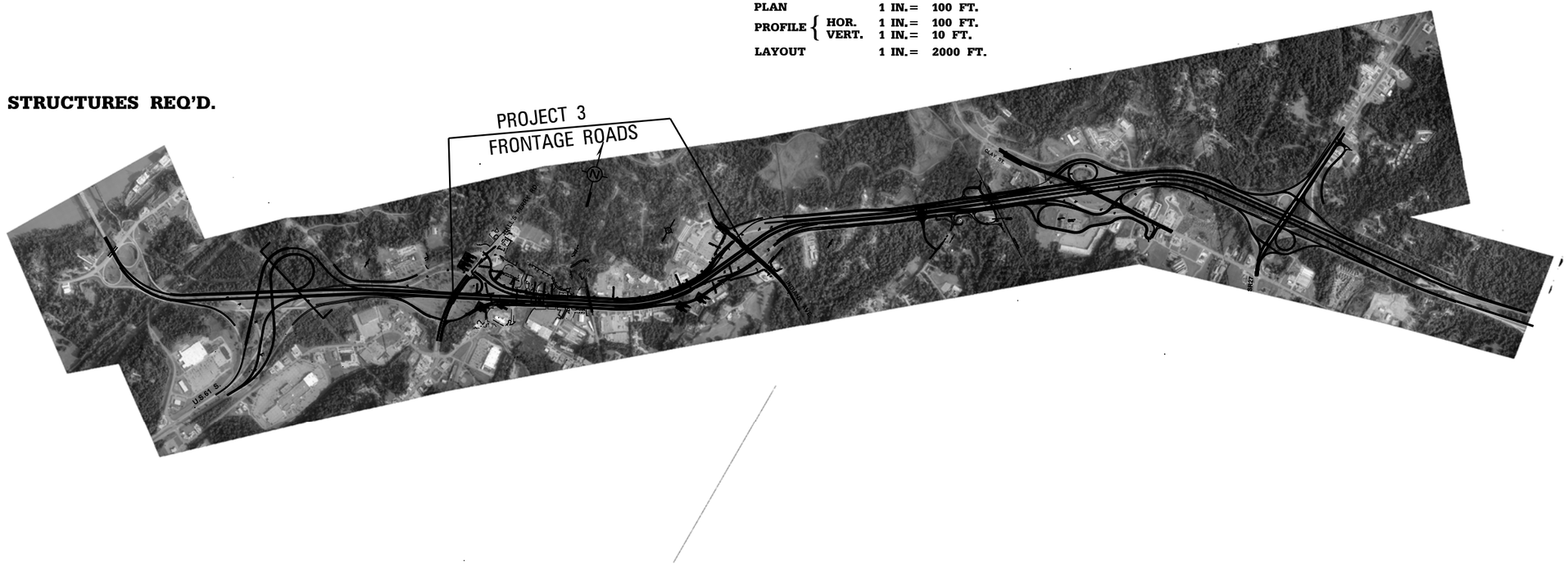
PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

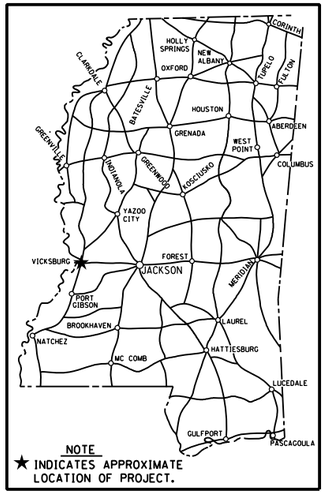
FEDERAL AID PROJECT NO. IMD-0020-01(181) 100367/002000

ALTERNATIVE B, PROJECT 3

SCALES

PLAN		1 IN. = 100 FT.
PROFILE	HOR.	1 IN. = 100 FT.
	VERT.	1 IN. = 10 FT.
LAYOUT		1 IN. = 2000 FT.





NOTE
★ INDICATES APPROXIMATE LOCATION OF PROJECT.

BRIDGE STRUCTURES REQ'D.

DESIGN CONTROL
_____ MPH = V (SPEED DESIGN)
ADT (____) = _____ : ADT (____) = _____
DHV = _____ : D = _____% T = _____%

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

	WATERS	WETLANDS
NATIONWIDE #14	☐	☐
NATIONWIDE (OTHER)*	☐	☐
GENERAL*	☐	☐
INDIVIDUAL (404)*	☐	☐

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

STORMWATER PERMIT ☐

Y	REQUIRED, CNOI SUBMITTED BY MDOT (DISTRIBUTED AREA≥5 ACRES+)(NTB 6484)
S	REQUIRED, SCNOI TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES)(NTB 6483)
N	NO STORMWATER PERMIT REQUIRED (<1 ACRE)

APPROVED BY: _____ DATE: _____

CONVENTIONAL SYMBOLS

COUNTY LINE
TOWN CORPORATION LINE
SECTION LINE
EXISTING ROAD OR TRAVELED WAY
PROPOSED ROAD OR TRAVELED WAY
RAILROAD
SURVEY LINE
BRIDGES

EQUATIONS

EXCEPTIONS

LENGTH DATA

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

REVISIONS | BY | DATE

APPROVED:
CHIEF ENGINEER — DATE
EXECUTIVE DIRECTOR — DATE
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

APPROVED:
DIVISION ADMINISTRATOR — DATE
FEDERAL HIGHWAY ADMINISTRATION
DEPARTMENT OF TRANSPORTATION

TITLE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/6/2012 14:22:06 TITLE ALTERNATIVE B-3.DGN

STATE	PROJECT NO.
MISS.	

DESCRIPTION OF SHEET	WKG. NO.	SH. NO.
TITLE SHEET (1)		
DETAIL INDEX (1)		
DETAILED INDEX	*DI3-1*	
TYPICAL SECTIONS (3)		
SOUTH FRONTAGE ROAD BETWEEN HALL'S FERRY ROAD AND INDIANA AVENUE	*TS3-1*	
NORTH FRONTAGE ROAD BETWEEN HALL'S FERRY ROAD AND INDIANA AVENUE	*TS3-2*	
NORTH FRONTAGE ROAD AT STA. 128+00 AND STA. 133+00 SOUTH FRONTAGE ROAD AT STA. 126+00	*TS3-3*	
CONSTRUCTION PLANS (4)		
PHASE A SOUTH FRONTAGE ROAD		
PHASE A SOUTH FRONTAGE ROAD		
PHASE B NORTH FRONTAGE ROAD		
PHASE B NORTH FRONTAGE ROAD		
PLAN & PROFILE SHEETS (6)		
SOUTH FRONTAGE ROAD 3A-1		
SOUTH FRONTAGE ROAD 3A-2		
SOUTH FRONTAGE ROAD 3A-3		
NORTH FRONTAGE ROAD 3B-1		
NORTH FRONTAGE ROAD 3B-2		
NORTH FRONTAGE ROAD 3B-3		

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/17/2011 15:39:03 INDEX.DGN

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

Detailed Index

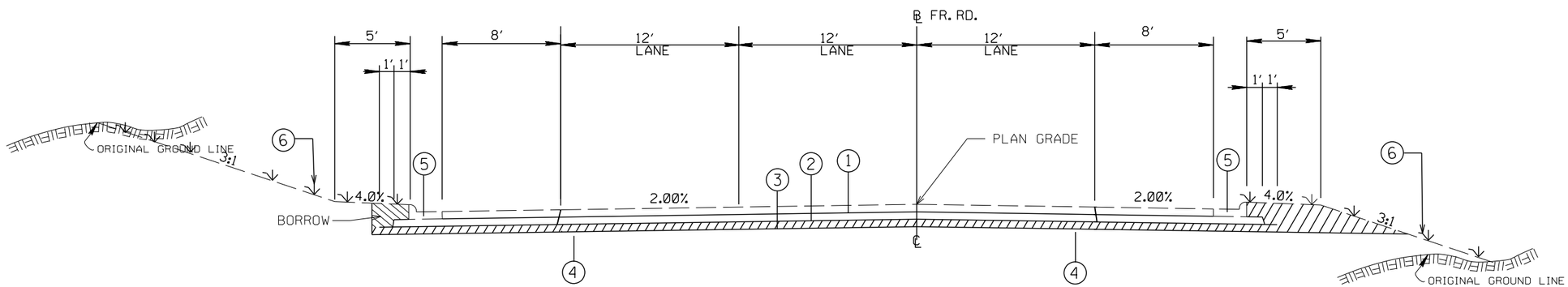
Alternative B
Project 3

WORKING NUMBER
DI3-1

SHEET NUMBER

FILENAME: INDEX.DGN
DESIGN TEAM _____ CHECKED _____ DATE _____

STATE	PROJECT NO.
MISS.	



TYPICAL SECTION
S. FR. RD. BETWEEN
HALL'S FERRY RD. & INDIANA AVE.

1. 3" HOT BITUMINOUS PAVEMENT (1 @ 1½" SURFACE COURSE AND 1 @ 1½" BINDER COURSE) REQ'D.
2. 5" PLANT MIX BITUMINOUS BASE COURSE REQ'D.
3. 6" AND VARIABLE DEPTH GRANULAR MATERIAL (CLASS 3, GROUP B) REQ'D.
4. PRIME COAT (MAY BE DELETED WHEN PERMITTED BY THE ENGINEER)
5. COMBINATION CONCRETE CURB AND GUTTER (TYPE 3 MOD.) REQ'D.
6. ⋎ INDICATES AREAS TO BE TREATED IN ACCORDANCE WITH THE VEGETATION SCHEDULE (SEE WK. SH. NO. VS-1)

$FILES

$DATES

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

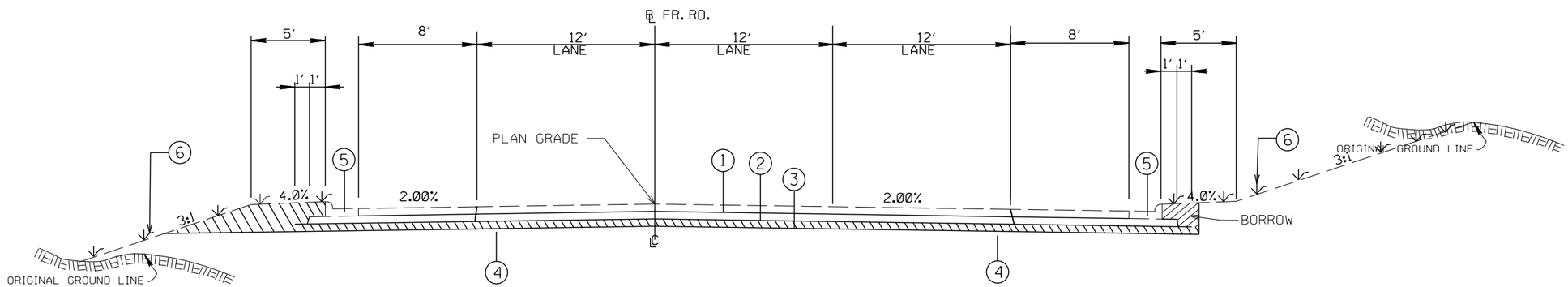
S. FR. RD. BETWEEN HALL'S FERRY RD. & INDIANA AVE.

PROJECT NO.
COUNTY:
FILENAME:
DESIGN TEAM ____ CHECKED ____ DATE ____

WORKING NUMBER: TS3-1
SHEET NUMBER

COUNTY:
DESIGN TEAM: NEEL-SCHAFFER
PROJECT NO.: 3 PHASE A
FILENAME:

STATE	PROJECT NO.
MISS.	



TYPICAL SECTION
N. FR. RD. BETWEEN
HALL'S FERRY RD. & INDIANA AVE.

1. 3" HOT BITUMINOUS PAVEMENT (1 @ 1½" SURFACE COURSE AND 1 @ 1½" BINDER COURSE) REQ'D.
2. 5" PLANT MIX BITUMINOUS BASE COURSE REQ'D.
3. 6" AND VARIABLE DEPTH GRANULAR MATERIAL (CLASS 3, GROUP B) REQ'D.
4. PRIME COAT (MAY BE DELETED WHEN PERMITTED BY THE ENGINEER)
5. COMBINATION CONCRETE CURB AND GUTTER (TYPE 3 MOD.) REQ'D.
6. ⋎ INDICATES AREAS TO BE TREATED IN ACCORDANCE WITH THE VEGETATION SCHEDULE (SEE WK. SH. NO. VS-1)

$FILE$

$DATE$

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION
NORTH FRONTAGE RD.
BETWEEN HALL'S FERRY RD.
& INDIANA AVE.

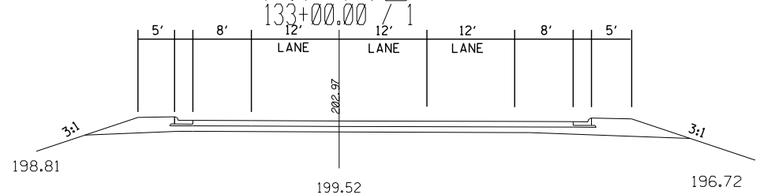
PROJECT NO.
COUNTY:
FILENAME:
DESIGN TEAM ____ CHECKED ____ DATE ____

WORKING NUMBER
TS3-2
SHEET NUMBER

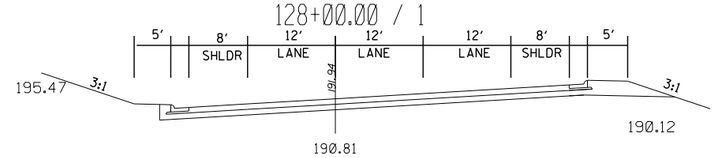
COUNTY:
DESIGN TEAM: NEEL-SCHAFFER
PROJECT NO.: 3 PHASE B
FILENAME:

STATE	PROJECT NO.
MISS.	

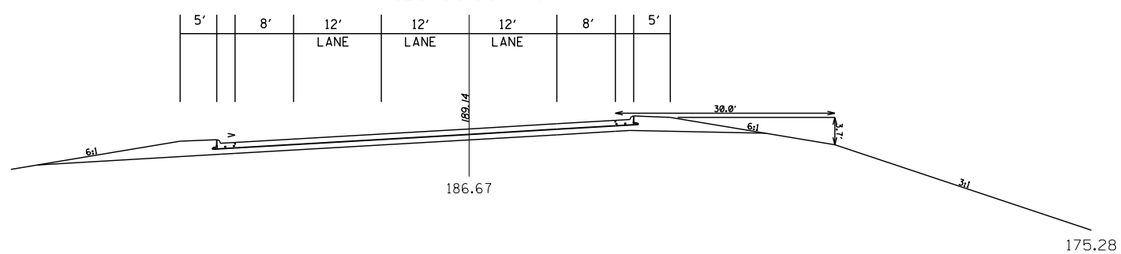
NFRD
133+00.00 / 1



128+00.00 / 1



SFRD
126+00.00 / 1



					BY	MISSISSIPPI DEPARTMENT OF TRANSPORTATION
					REVISION	TYPICAL SECTIONS N. FR. RD. @ 128+00 & 133+00 S. FR. RD. @ STA. 126+00
						PROJECT NO. COUNTY:
					DATE	FILENAME: DESIGN TEAM_____CHECKED_____DATE_____

WORKING NUMBER
TS3-3
SHEET NUMBER

$FILE$

$DATE$

COUNTY:
DESIGN TEAM: NEEL-SCHAFFER

PROJECT NO.: 3 PHASE B
FILENAME:

STATE	PROJECT NO.
MISS.	

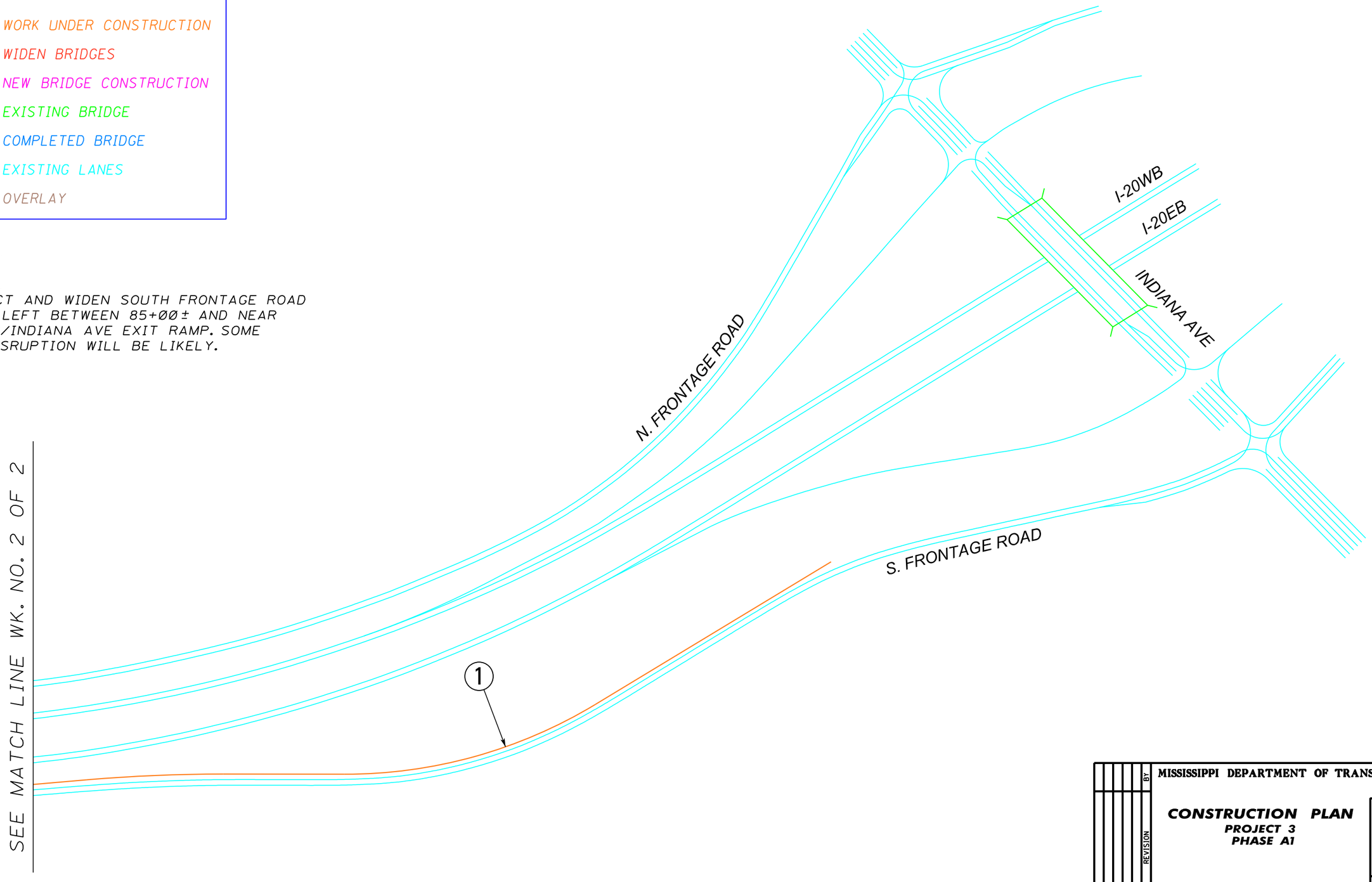
LEGEND

- WORK UNDER CONSTRUCTION
- WIDEN BRIDGES
- NEW BRIDGE CONSTRUCTION
- EXISTING BRIDGE
- COMPLETED BRIDGE
- EXISTING LANES
- OVERLAY

NARRATIVE

PROJECT 3
PHASE A

1. RECONSTRUCT AND WIDEN SOUTH FRONTAGE ROAD 12' ON THE LEFT BETWEEN 85+00± AND NEAR THE I-20EB/INDIANA AVE EXIT RAMP. SOME TRAFFIC DISRUPTION WILL BE LIKELY.



MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 3
PHASE A1

WORKING NUMBER

SHEET NUMBER

REVISION | BY | DATE

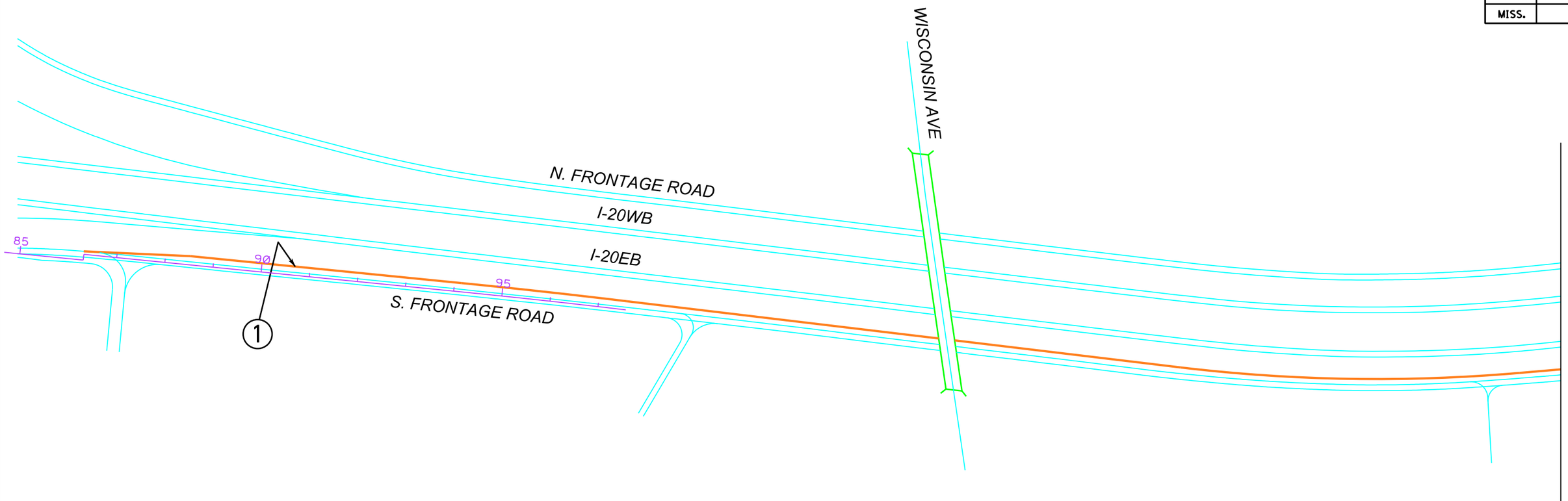
FILENAME: PROJ3 PHA.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

MKODYY 00:00AMPM DGNFILENAME

STATE	PROJECT NO.
MISS.	



SEE MATCH LINE WK. NO. 1 OF 2

NARRATIVE

PROJECT 3
PHASE A

1. RECONSTRUCT AND WIDEN SOUTH FRONTAGE ROAD 12' ON THE LEFT BETWEEN 85+00± AND NEAR THE I-20EB/INDIANA AVE EXIT RAMP. SOME TRAFFIC DISRUPTION WILL BE LIKELY.

LEGEND

- WORK UNDER CONSTRUCTION
- WIDEN BRIDGES
- NEW BRIDGE CONSTRUCTION
- EXISTING BRIDGE
- COMPLETED BRIDGE
- EXISTING LANES
- OVERLAY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 3
PHASE A

WORKING NUMBER

SHEET NUMBER

REVISION | BY | DATE

FILENAME: PROJ3 PHA.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
2/18/2011 10:21:58 PROJ3 PHA.DGN

STATE	PROJECT NO.
MISS.	

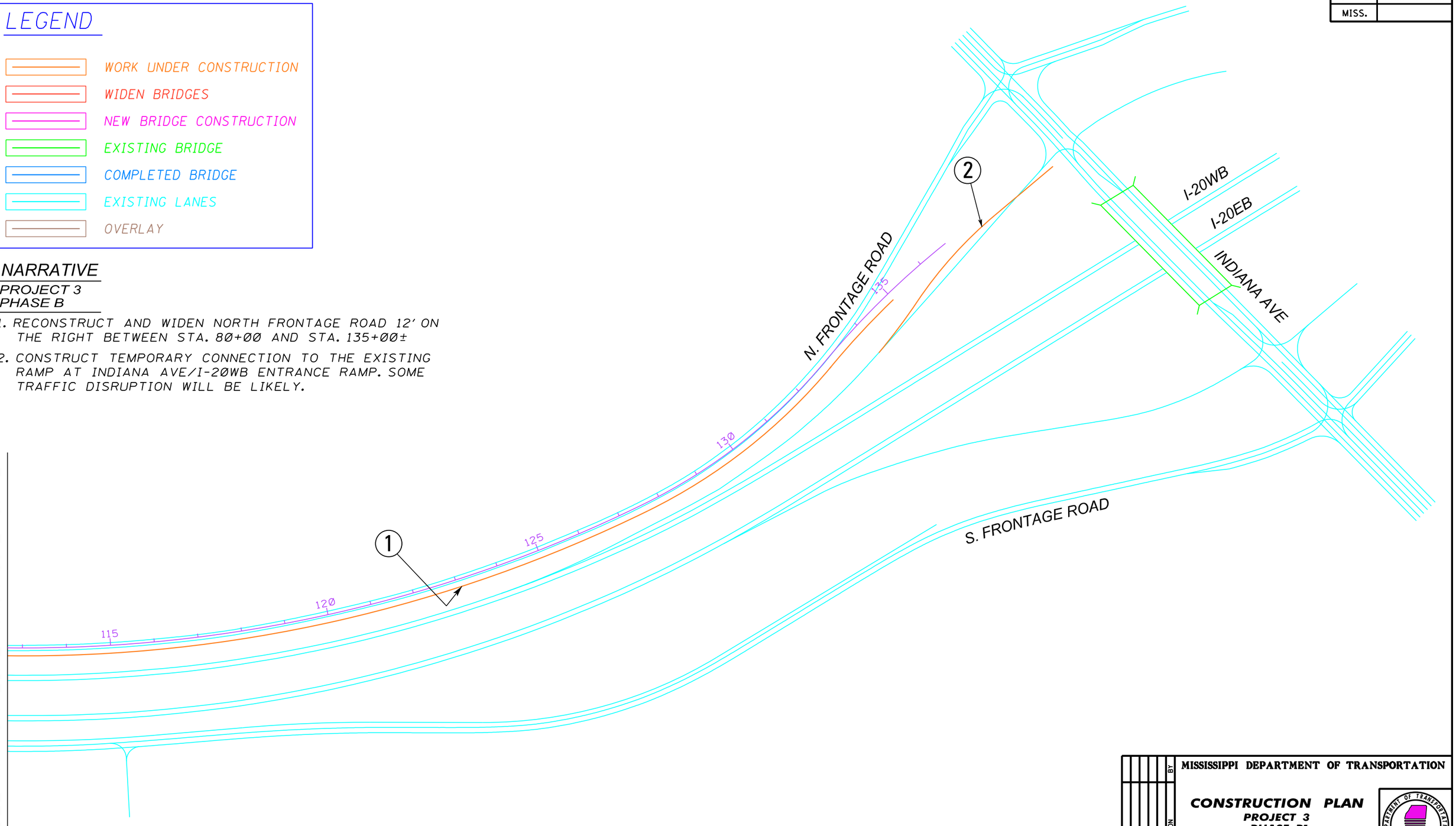
LEGEND

- WORK UNDER CONSTRUCTION
- WIDEN BRIDGES
- NEW BRIDGE CONSTRUCTION
- EXISTING BRIDGE
- COMPLETED BRIDGE
- EXISTING LANES
- OVERLAY

NARRATIVE

PROJECT 3
PHASE B

1. RECONSTRUCT AND WIDEN NORTH FRONTAGE ROAD 12' ON THE RIGHT BETWEEN STA. 80+00 AND STA. 135+00±
2. CONSTRUCT TEMPORARY CONNECTION TO THE EXISTING RAMP AT INDIANA AVE/I-20WB ENTRANCE RAMP. SOME TRAFFIC DISRUPTION WILL BE LIKELY.



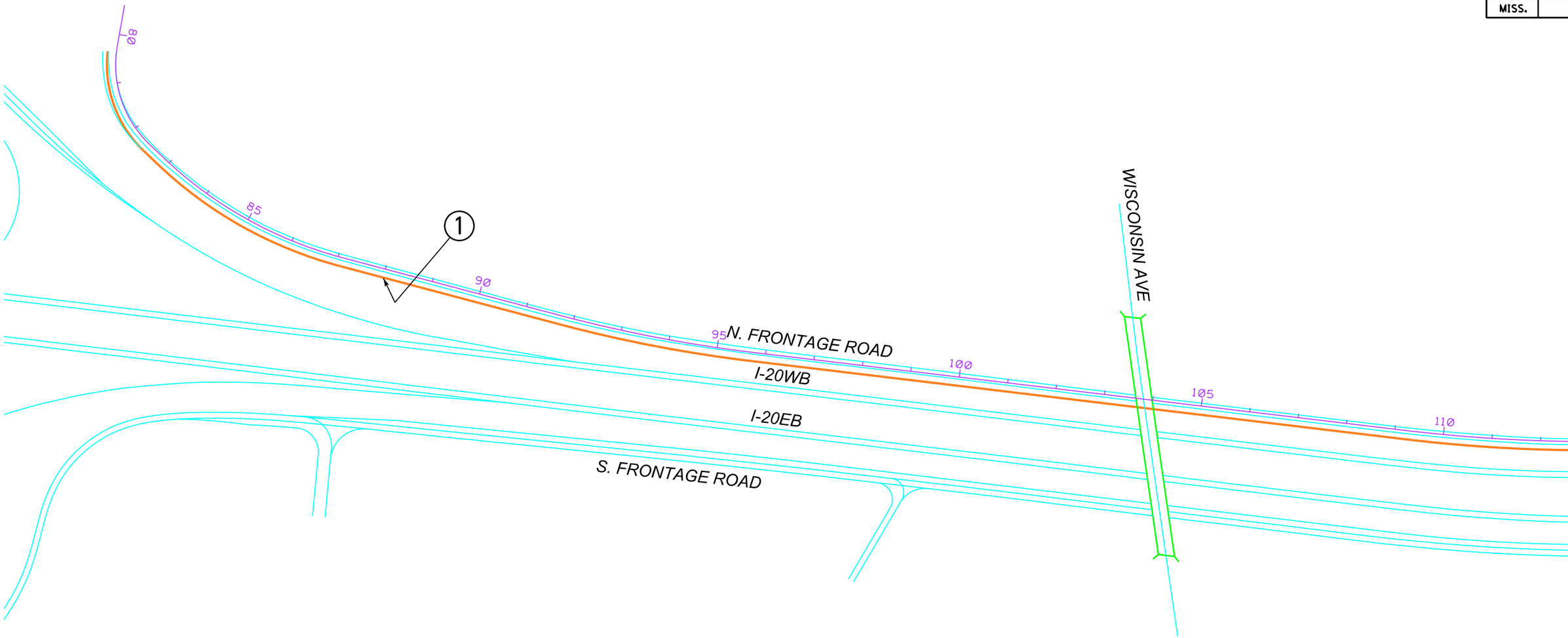
SEE MATCH LINE WK. NO. 2 OF 2

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

MKODYY 00:00AMPM DGNFILENAME

DATE	REVISION	BY	MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
			CONSTRUCTION PLAN **PROJECT 3** **PHASE B1**	WORKING NUMBER
			FILENAME: PROJ3 PHB.DGN DESIGN TEAM ____ CHECKED ____ DATE ____	SHEET NUMBER

STATE	PROJECT NO.
MISS.	



SEE MATCH LINE WK. NO. 1 OF 2

LEGEND

- WORK UNDER CONSTRUCTION
- WIDEN BRIDGES
- NEW BRIDGE CONSTRUCTION
- EXISTING BRIDGE
- COMPLETED BRIDGE
- EXISTING LANES
- OVERLAY

NARRATIVE

PROJECT 3
PHASE B

1. RECONSTRUCT AND WIDEN NORTH FRONTAGE ROAD 12' ON THE RIGHT BETWEEN STA. 80+00 AND STA. 135+00 ±

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 3
PHASE B

WORKING NUMBER

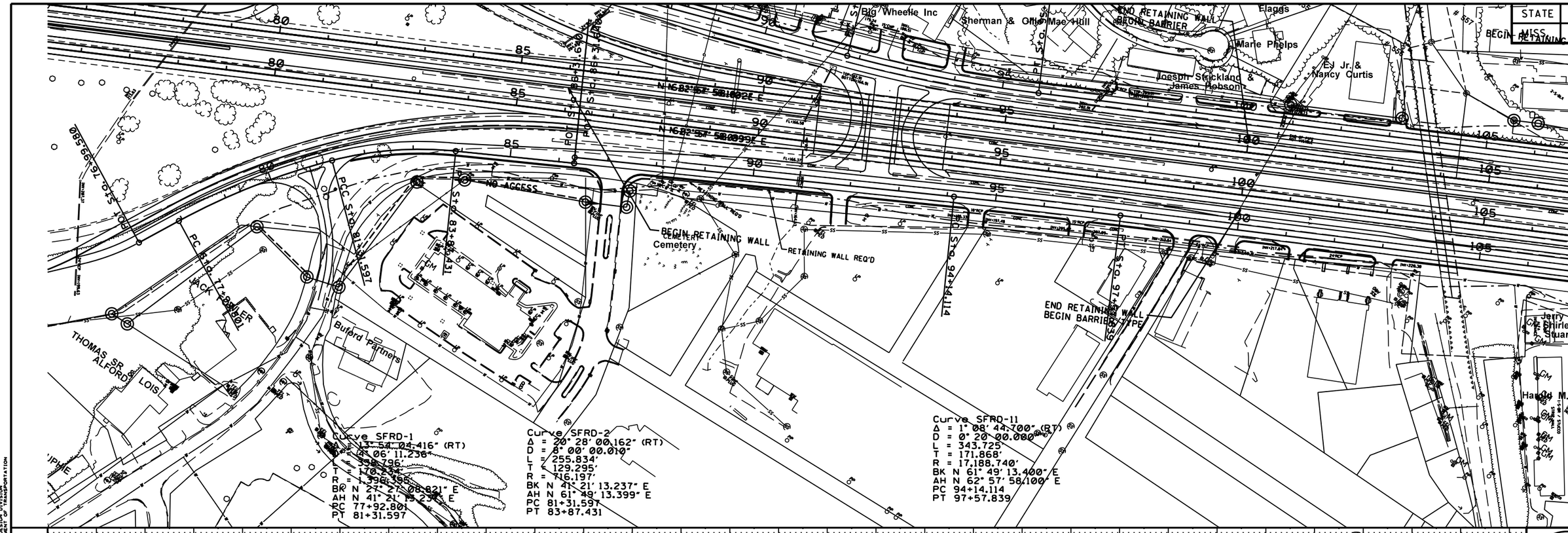
SHEET NUMBER

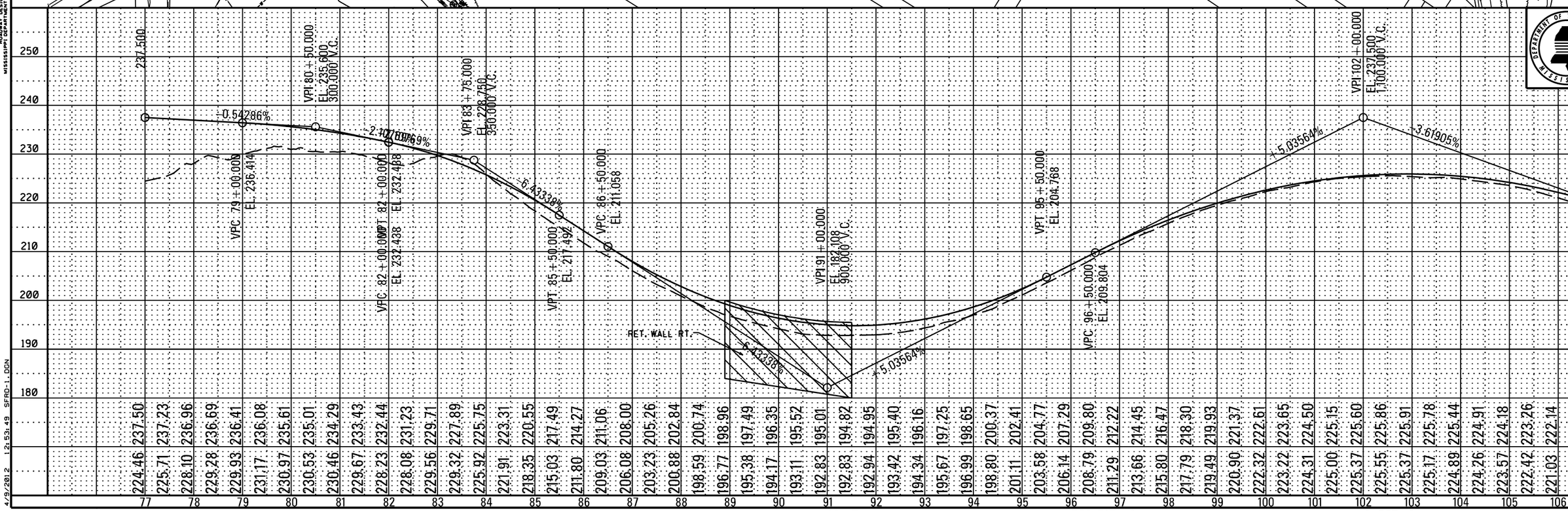
FILENAME: PROJ3 PHB.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

2/18/2011 16:24:51 PROJ3 PHB.DGN
MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION

STATE	PROJECT NO.
MISS.	



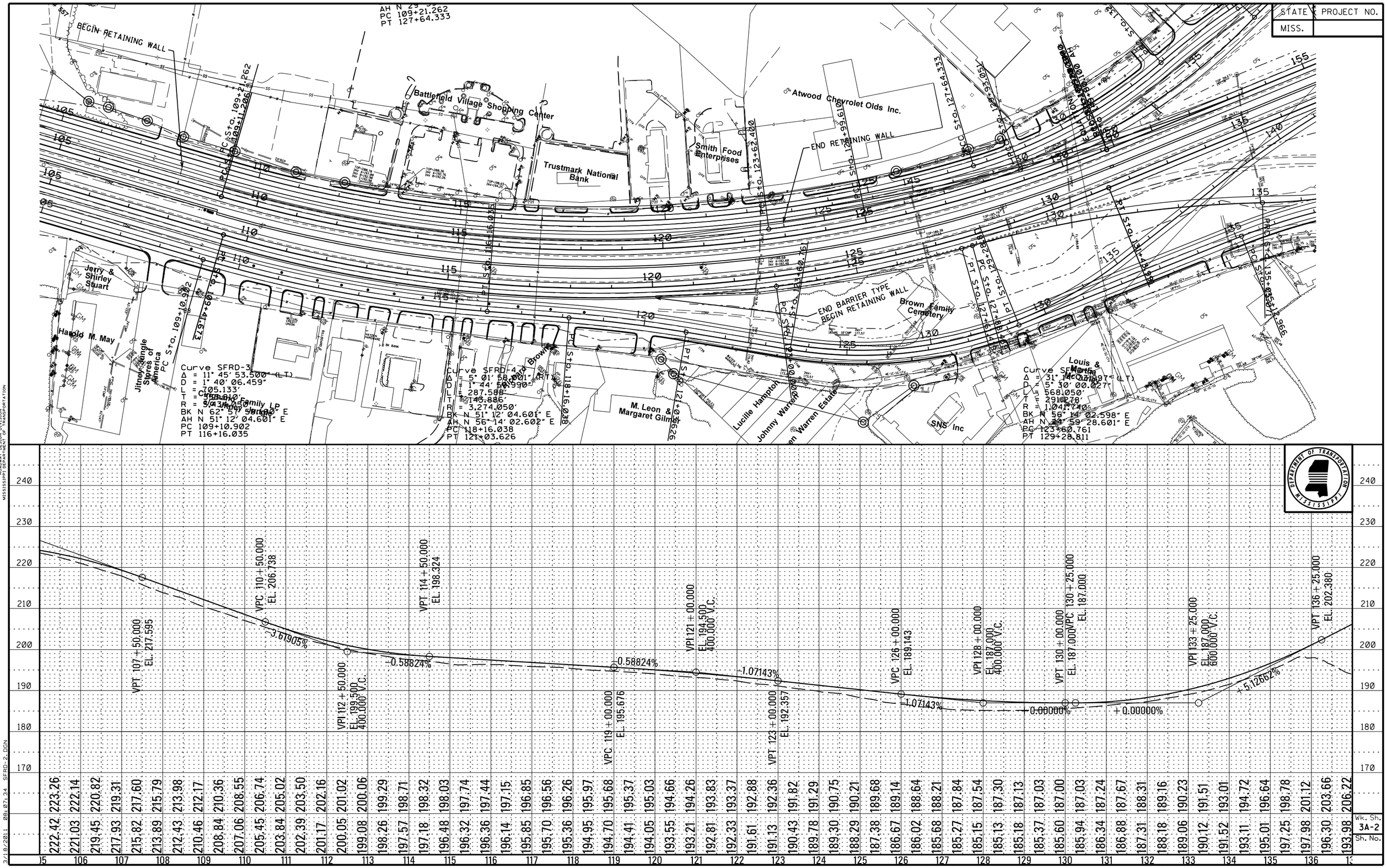


PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

4/9/2012 12:53:49 SFRD-1.DGN

DESIGN TEAM: FILENAME: SFRD-1.DGN COUNTY: PROJECT NO. : 4 PHASE A SHEET ID:

STATE	PROJECT NO.
MISS.	



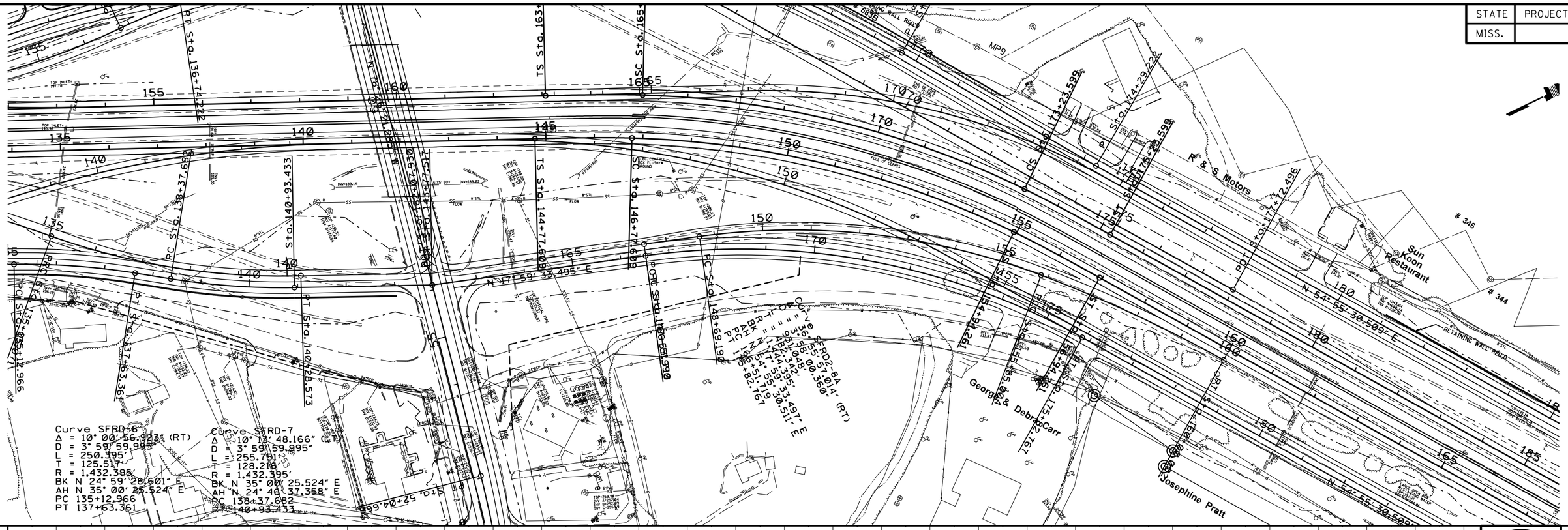
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

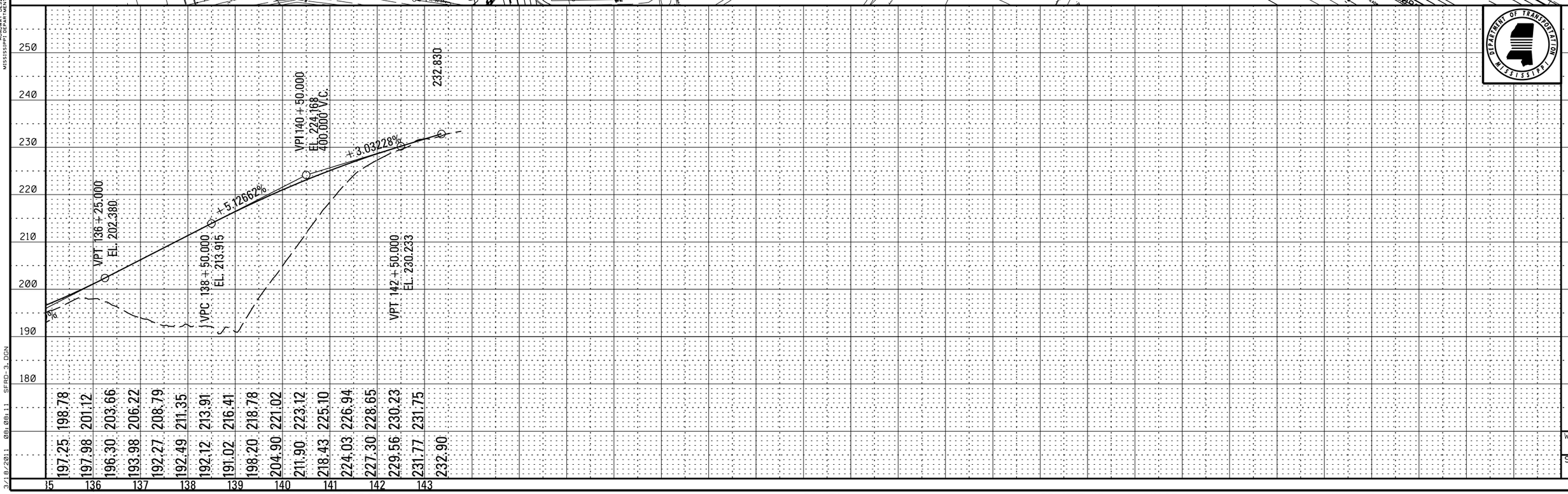
3/18/2011 08:07:34 SFRD-2.DGN

Wk. Sh. 3A-2
Sh. No.

DESIGN TEAM: FILENAME: SFRD-2.DGN COUNTY: PROJECT NO. : 3 PHASE A SHEET ID:

STATE	PROJECT NO.
MISS.	





PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/18/2011 08:08:11 SFRD-3.DGN

Wk. Sh. 3A-3
Sh. No.

DESIGN TEAM: FILENAME: SFRD-3.DGN COUNTY: PROJECT NO. : 3 PHASE A SHEET ID:

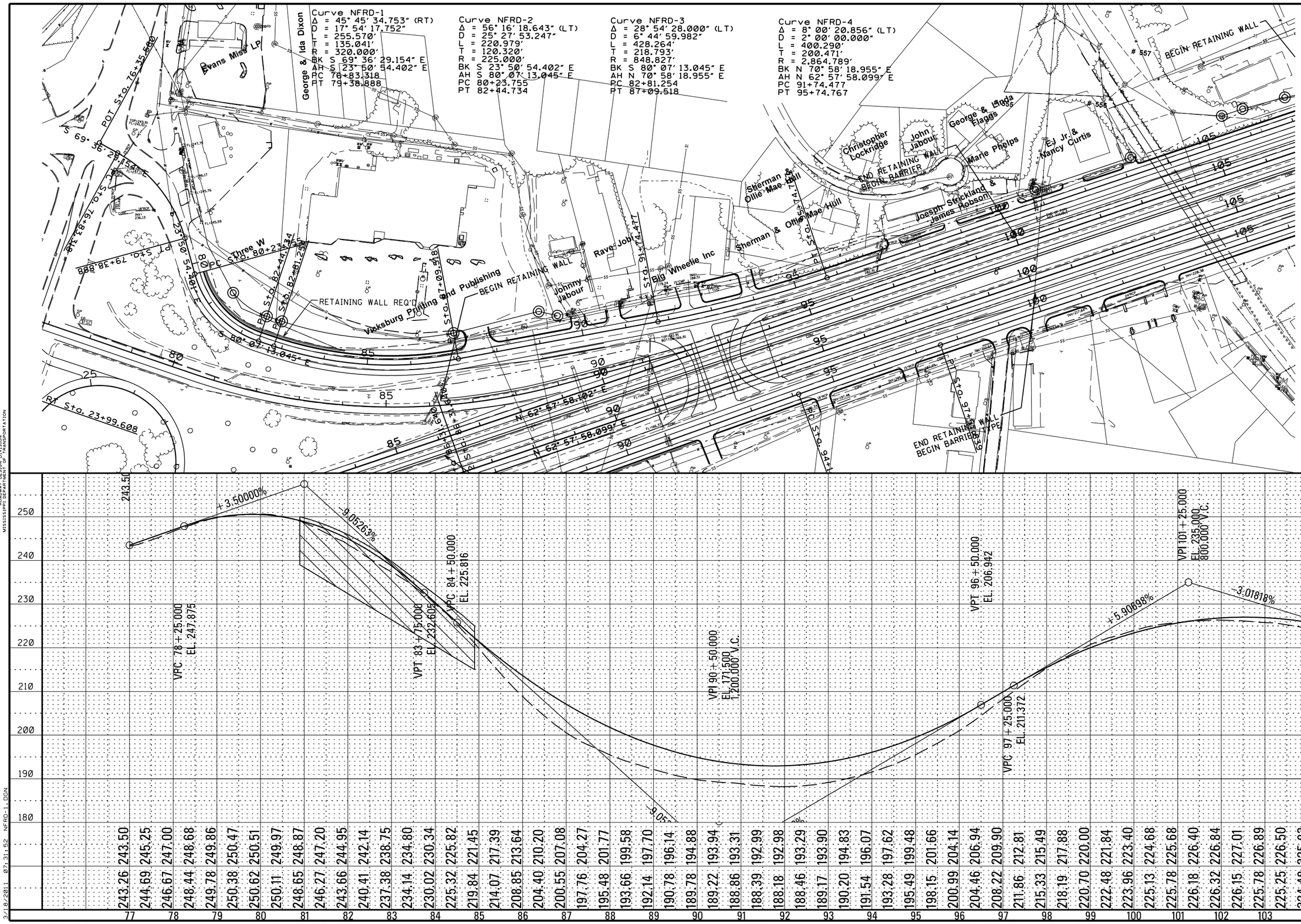
STATE	PROJECT NO.
MISS.	

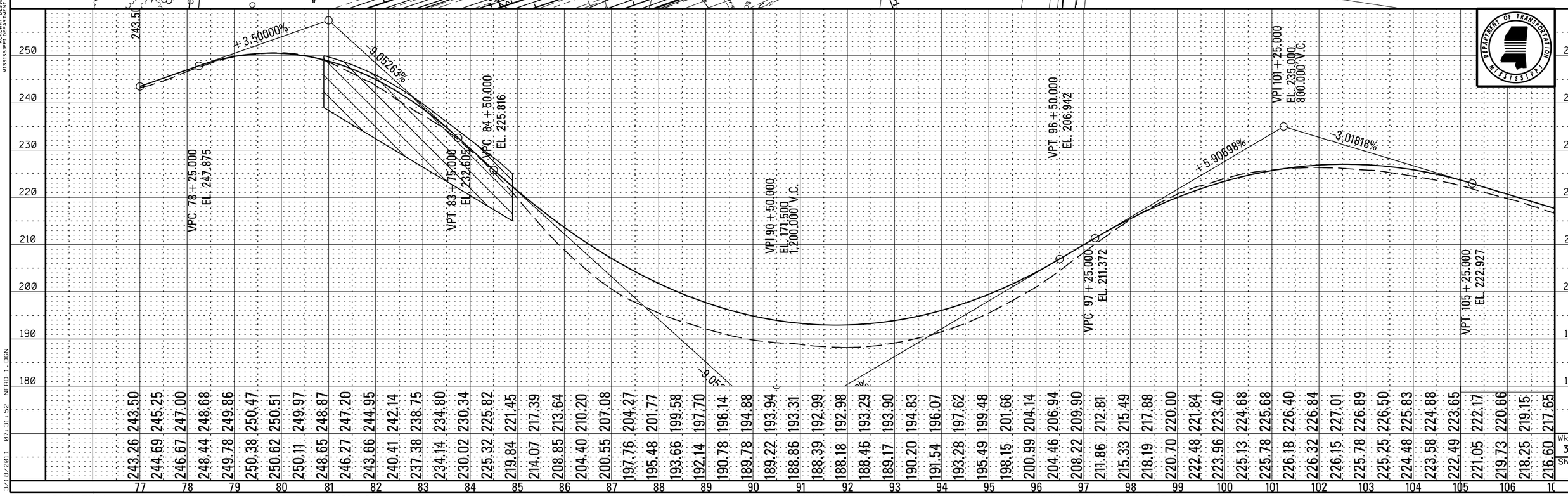
Curve NFRD-1
Δ = 45° 45′ 34.753″ (RT)
D = 17° 54′ 17.752″
L = 255.570′
T = 135.041′
R = 320.000′
BK S 69° 36′ 29.154″ E
AH S 23° 50′ 54.402″ E
PC 78+83.318
PT 79+38.888

Curve NFRD-2
Δ = 56° 16′ 18.643″ (LT)
D = 25° 27′ 53.247″
L = 220.979′
T = 120.320′
R = 225.000′
BK S 23° 50′ 54.402″ E
AH S 80° 07′ 13.045″ E
PC 80+23.755
PT 82+44.734

Curve NFRD-3
Δ = 28° 54′ 28.000″ (LT)
D = 6° 44′ 59.982″
L = 428.264′
T = 218.793′
R = 848.827′
BK S 80° 07′ 13.045″ E
AH N 70° 58′ 18.955″ E
PC 82+81.254
PT 87+09.518

Curve NFRD-4
Δ = 8° 00′ 20.856″ (LT)
D = 2° 00′ 00.000″
L = 400.290′
T = 200.471′
R = 2,864.789′
BK N 70° 58′ 18.955″ E
AH N 62° 57′ 58.099″ E
PC 91+74.477
PT 95+74.767





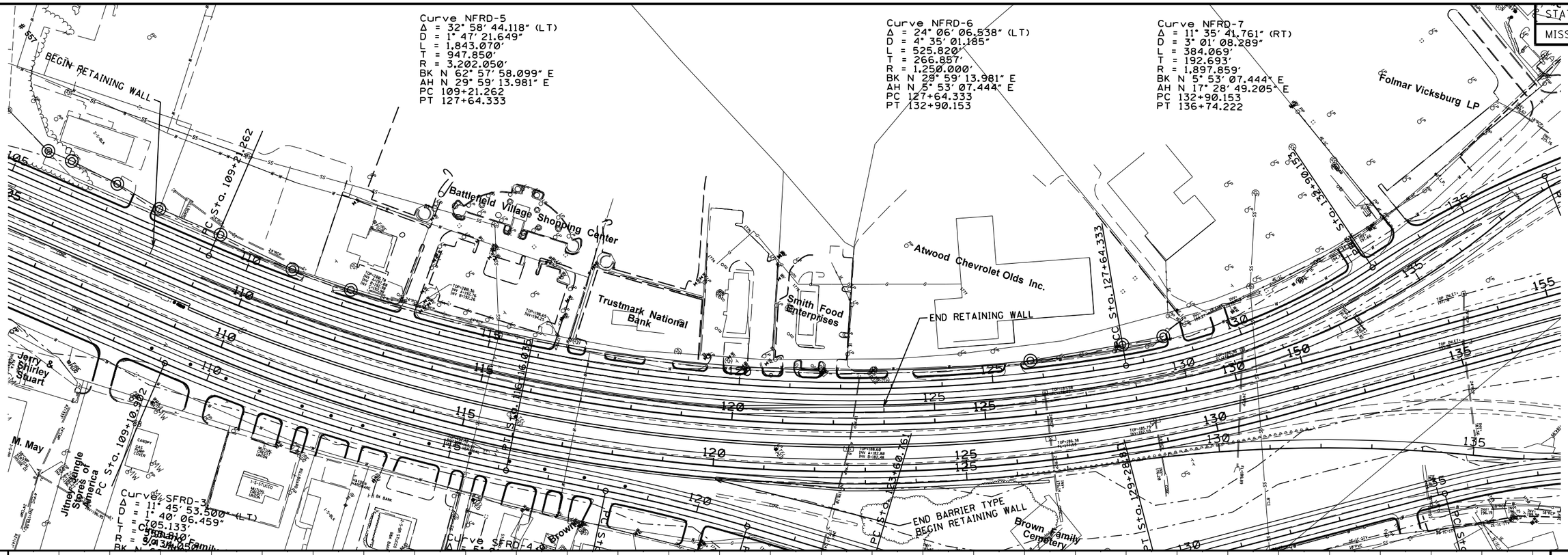
Wk. Sh. 3B-1
Sh. No.

PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/18/2011 07:31:52 NFRD-1.DGN

DESIGN TEAM: FILENAME: NFRD-1.DGN COUNTY: PROJECT NO. : 3 PHASE B SHEET ID:

STATE	PROJECT NO.
MISS.	



Wk. Sh. 3B-2

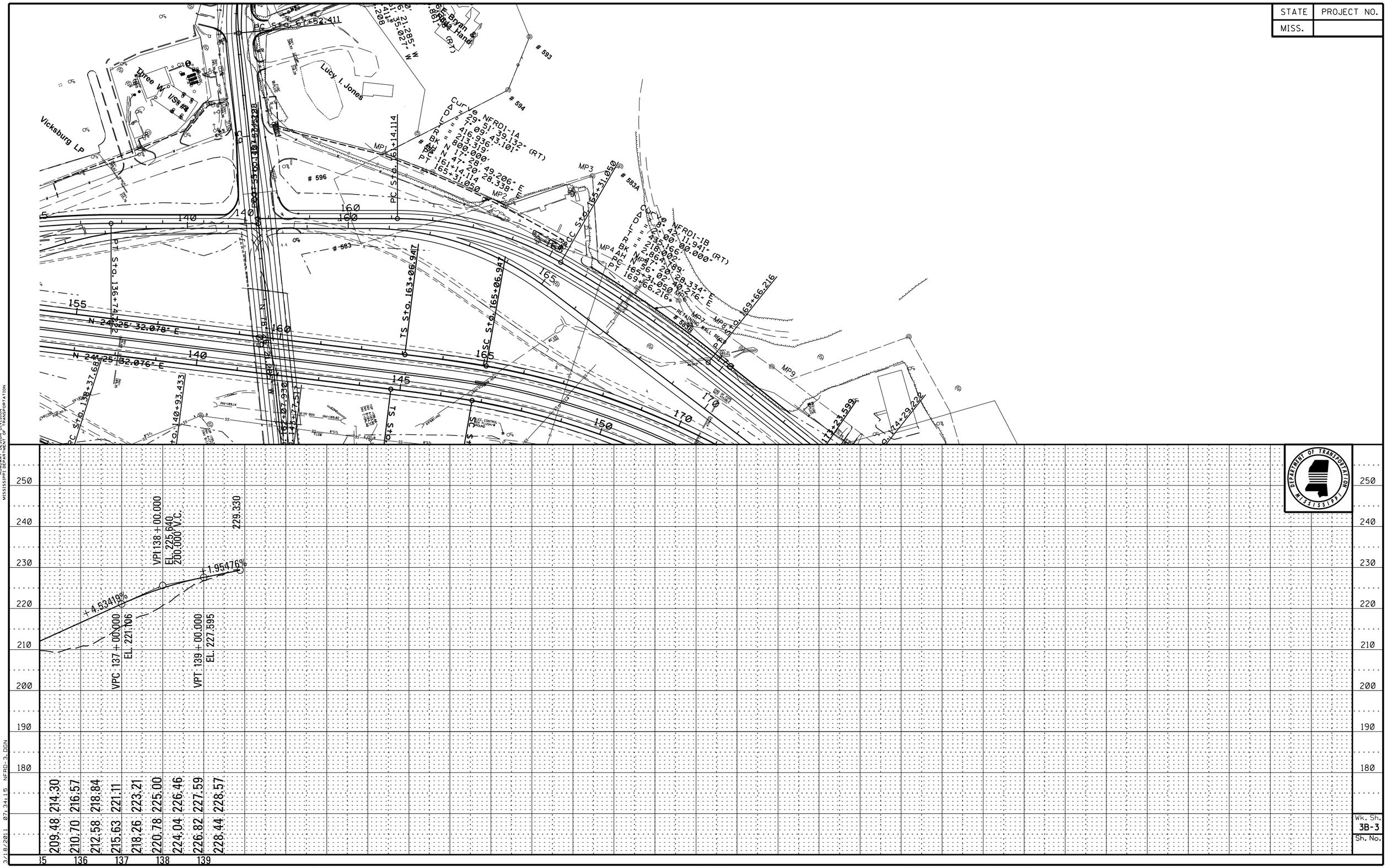
Sh. No.

PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/18/2011 07:33:18 NFRD-2.DGN

DESIGN TEAM: FILENAME: NFRD-2.DGN COUNTY: PROJECT NO. : 3 PHASE B SHEET ID:

STATE	PROJECT NO.
MISS.	



PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/18/2011 07:34:15 NFRD-3.DGN

Wk. Sh. 3B-3
Sh. No.

DESIGN TEAM: FILENAME: NFRD-3.DGN COUNTY: PROJECT NO. : 3 PHASE B SHEET ID:

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (US61S INTCH)(PROJECT 3 PHASE A (S. FR. RD.)

County: WARREN

Lettingday: 06/30/2020

Scope of Work:

Rural/Urban: Urban

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.93

Grading Cost Per Mile: $1,450,000

Paving Cost Per Mile: $2,210,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.93	x	$1,450,000	x	115%	$1,550,775
Paving Cost:	0.93		$2,210,000	x	115%	$2,363,595
Bridge cost:	0	x	$0.00	x	115%	$0
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)	1.00	x	$478,660.00	x	115%	$550,459
					Total Estimate:	**$4,464,829**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Retaining Wall Rt of 88+00 to 91+50 ($478,660)

Anticipating a 3% inflation factor per year, the estimated construction cost is $6,200,000
(Includes Engineering and contingencies)

Remarks:

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B PROJECT 3 PHASE A (S. FR. RD.)

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (US61S INTCH)(PROJECT 3 PHASE B (N. FR. RD.)

County: WARREN

Lettingday: 06/30/2020

Scope of Work:

Rural/Urban: Urban

Rolling/Flat:

Grading:

Paving:

Length in Miles: 1.06

Grading Cost Per Mile: $1,450,000

Paving Cost Per Mile: $2,210,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	1.06	x	$1,450,000	x	115%	$1,767,550
Paving Cost:	1.06		$2,210,000	x	115%	$2,693,990
Bridge cost:	0	x	$0.00	x	115%	$0
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)	1.00	x	$792,690.00	x	115%	$911,594
					Total Estimate:	**$5,373,134**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Retaining Wall Lt of 81+00 to 85+00 and Rt of 108+00 to 123+00 ($320,640 + $472,050)

Anticipating a 3% inflation factor per year, the estimated construction cost is $7,400,000
(Includes Engineering and contingencies)

Remarks:

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B PROJECT 3 PHASE B (N. FR. RD.)

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 3 MISC.)

County: WARREN

Lettingday: 06/30/2020

Scope of Work:

Rural/Urban: Rural

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.00

Grading Cost Per Mile: $0

Paving Cost Per Mile: $0 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.00	x	$0	x	115%	$0
Paving Cost:	0.00		$0	x	115%	$0
Bridge cost:	0	x	$0.00	x	115%	$0
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)	1.00	x	$98,380.00	x	115%	$113,137
					Total Estimate:	**$113,137**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

.Lighting -=$0 : Signals -=$0: Signing- (1%) of $9,837,963 = $98,380: Total Misc.=$98,380

Anticipating a 3% inflation factor per year, the estimated construction cost is $200,000
(Includes Engineering and contingencies)

Remarks:

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 3 MISC

Alternative B

Possible Project 4

Typical Section Sheets,
Construction Phasing Sheets,
Plan Profile Sheets and
Construction Cost Estimate Sheets

P.E.

FED. ROAD REG. NO.	STATE	PROJECT NO.	SHEET NO.
4	MISS.		1

GENERAL INDEX

FOR DETAILED INDEX OF PLANS SEE SHEET NO. 2

DESCRIPTION	NUMBER OF SHEETS
TITLE SHEET	1
DETAILED INDEX	
GENERAL NOTES	
TYPICAL SECTIONS	
QUANTITIES	
PLAN AND PROFILES	
SPECIAL DESIGN – ROADWAY ITEMS	
BRIDGE DRAWINGS	
SPECIAL DESIGN – BRIDGES	
CROSS-SECTIONS	
TOTAL SHEETS	

STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

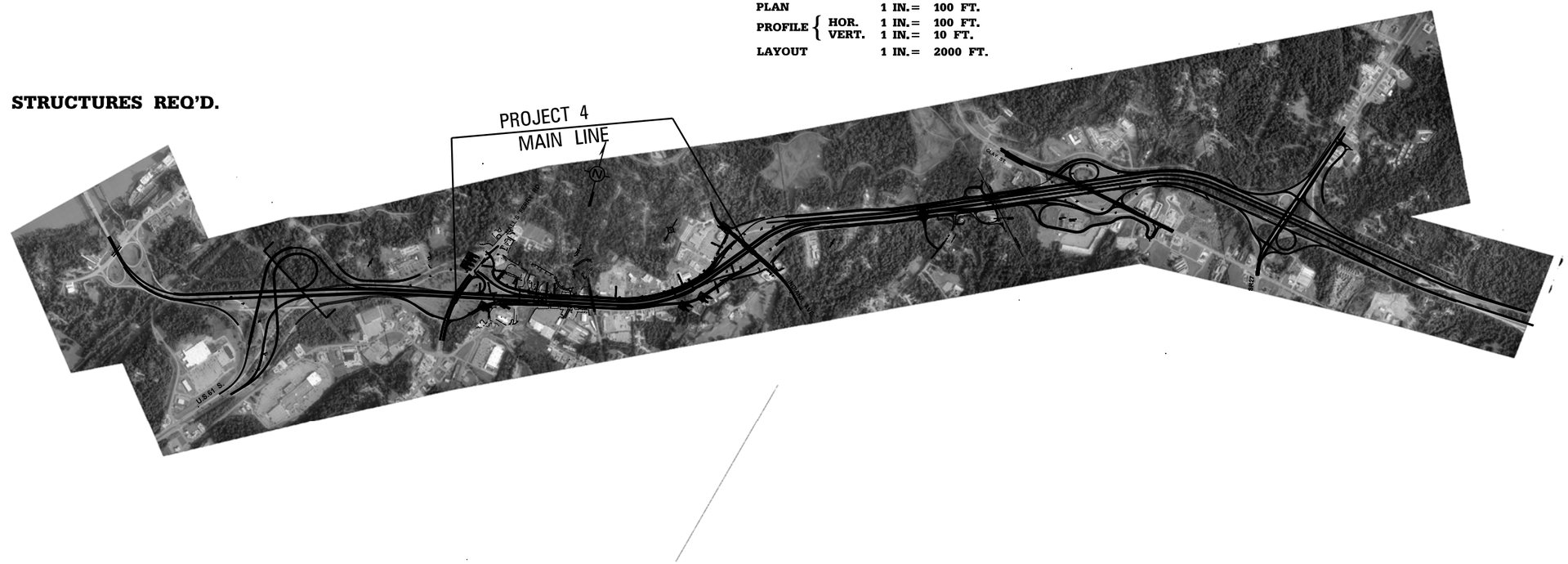
PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

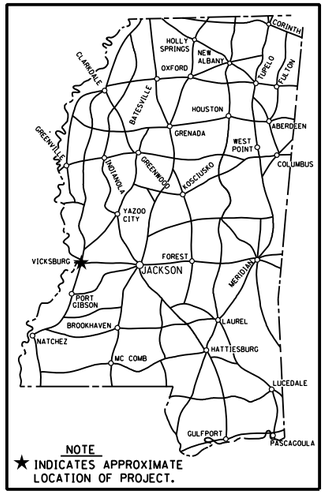
FEDERAL AID PROJECT NO. IMD-0020-01(181) 100367/002000

ALTERNATIVE B, PROJECT 4

SCALES

PLAN		1 IN. = 100 FT.
PROFILE	HOR.	1 IN. = 100 FT.
	VERT.	1 IN. = 10 FT.
LAYOUT		1 IN. = 2000 FT.





NOTE
★ INDICATES APPROXIMATE LOCATION OF PROJECT.

BRIDGE STRUCTURES REQ'D.

DESIGN CONTROL
_____ MPH = V (SPEED DESIGN)
ADT (____) = _____ : ADT (____) = _____
DHV = _____ : D = _____% T = _____%

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

	WATERS	WETLANDS
NATIONWIDE #14	☐	☐
NATIONWIDE (OTHER)*	☐	☐
GENERAL*	☐	☐
INDIVIDUAL (404)*	☐	☐

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

STORMWATER PERMIT ☐

Y	REQUIRED, CNOI SUBMITTED BY MDOT (DISTRIBUTED AREA≥5 ACRES+)(NTB 6484)
S	REQUIRED, SCNOI TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES)(NTB 6483)
N	NO STORMWATER PERMIT REQUIRED (<1 ACRE)

APPROVED BY: _____ DATE: _____

CONVENTIONAL SYMBOLS

COUNTY LINE
TOWN CORPORATION LINE
SECTION LINE
EXISTING ROAD OR TRAVELED WAY
PROPOSED ROAD OR TRAVELED WAY
RAILROAD
SURVEY LINE
BRIDGES

EQUATIONS

EXCEPTIONS

LENGTH DATA

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

REVISIONS | BY | DATE

APPROVED:
CHIEF ENGINEER — DATE
EXECUTIVE DIRECTOR — DATE
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

APPROVED:
DIVISION ADMINISTRATOR — DATE
FEDERAL HIGHWAY ADMINISTRATION
DEPARTMENT OF TRANSPORTATION

TITLE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/6/2012 14:23:33 TITLE ALTERNATIVE B-4.DGN

STATE	PROJECT NO.
MISS.	

DESCRIPTION OF SHEET	WKG. NO.	SH. NO.
TITLE SHEET (1)		
DETAIL INDEX (1)		
DETAILED INDEX	*DI4-1*	
TYPICAL SECTIONS (4)		
TEMPORARY CONNECTIONS	*TS4-1*	
MAINLINE AT WISCONSIN AVENUE UNDERPASS STA. 104+23	*TS4-2*	
NORTH FRONTAGE ROAD/I-20 WESTBOUND/I-20 EASTBOUND/AT STA. 125+00 NORTH FRONTAGE ROAD/I-20 WESTBOUND/I-20 EASTBOUND/SOUTH FRONTAGE ROAD AT STA. 95+00	*TS4-3*	
TURN-AROUND/CROSSOVER AT I-20 STA. 92+50	*TS4-4*	
CONSTRUCTION PLANS (8)		
PHASE A1		
PHASE A2		
PHASE B1		
PHASE B2		
PHASE B3		
PHASE C1		
PHASE C2		
PHASE C3		
PLAN & PROFILE SHEETS (11)		
PHASE 4A-1	*4A-1*	
PHASE 4A-2	*4A-2*	
PHASE 4A-3	*4A-3*	
PHASE 4A-4	*4A-4*	
PHASE 4A-5	*4A-5*	
PHASE 4B-1	*4B-1*	
PHASE 4B-2	*4B-2*	
PHASE 4C-1	*4C-1*	
PHASE 4C-2	*4C-2*	
PHASE 4C-3	*4C-3*	
PHASE 4C-4	*4C-4*	
BRIDGE TYPICAL SECTIONS (1)		
I-20 EB & WB OVER WEST TURNAROUND @ STA. 92+50	*BTS4-1*	

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

Detailed Index

Alternative B
Project 4

WORKING NUMBER
DI4-1

SHEET NUMBER

FILENAME: INDEX.DGN

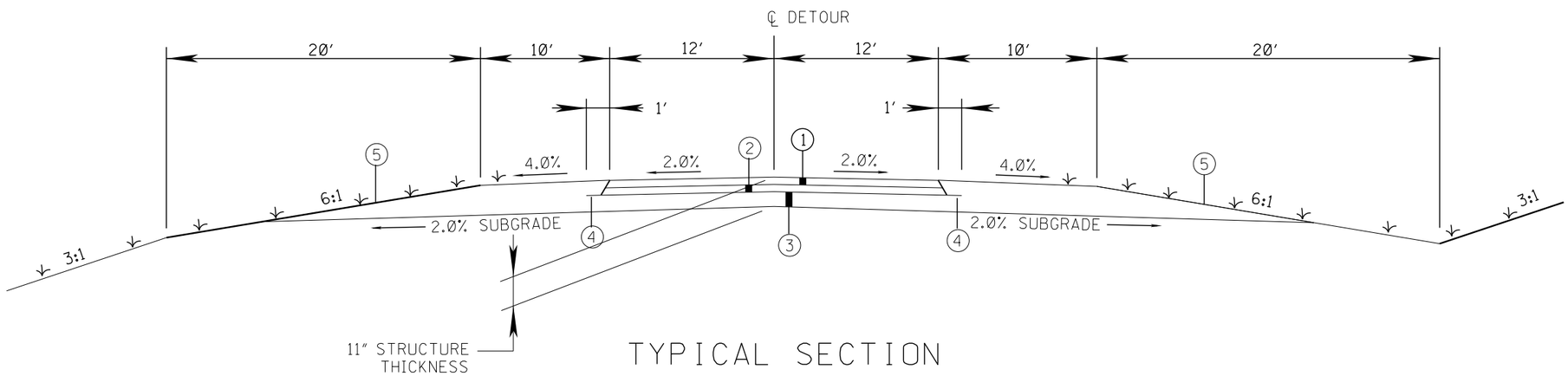
DESIGN TEAM _____ CHECKED _____ DATE _____

REVISION | BY | DATE

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

4/9/2012 13:14:18 INDEX.DGN

STATE	PROJECT NO.
MISS.	



TYPICAL SECTION
TEMPORARY CONNECTION

1. _" HOT MIX ASPHALT, MT (_ mm MIXTURE) (1 @ 2.0") REQ'D.
2. _" HOT MIX ASPHALT, MT (_ mm MIXTURE) (_ @ 3.0") REQ'D.
3. _" AND VARIABLE DEPTH GRANULAR MATERIAL (CLASS 9, GROUP A) REQ'D.
4. PRIME COAT REQ'D. (MAY BE DELETED WHEN PERMITTED BY THE ENGINEER).
5. INDICATES AREAS TO BE TREATED IN ACCORDANCE WITH THE VEGETATION SCHEDULE (SEE WK. SH. NO. VS-1)

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TYP SECTIONS - TEMP. CONNS
/I-20EB TO S. FR. RD NEAR 85+00
/S. FR. RD. TO I-20EB NEAR 135+00
/N. FR. RD. TO I-20WB NEAR 85+00
/ I-20WB TO N. FR. RD. NEAR 130+00

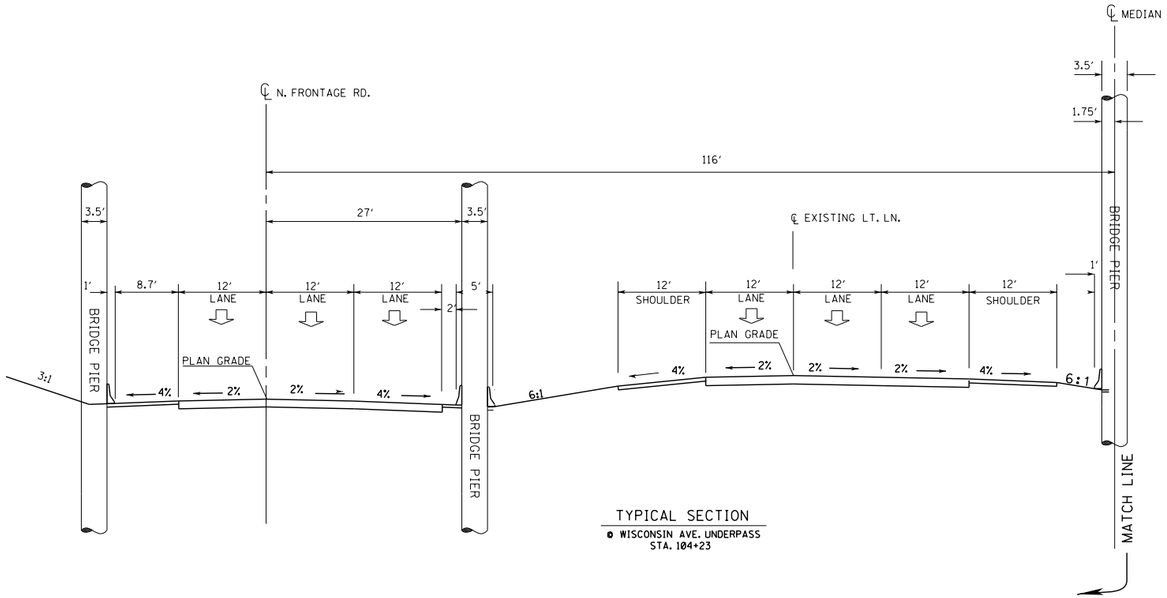
PROJECT NO.
COUNTY:
FILENAME:
DESIGN TEAM CHECKED DATE

WORKING NUMBER TS4-1
SHEET NUMBER

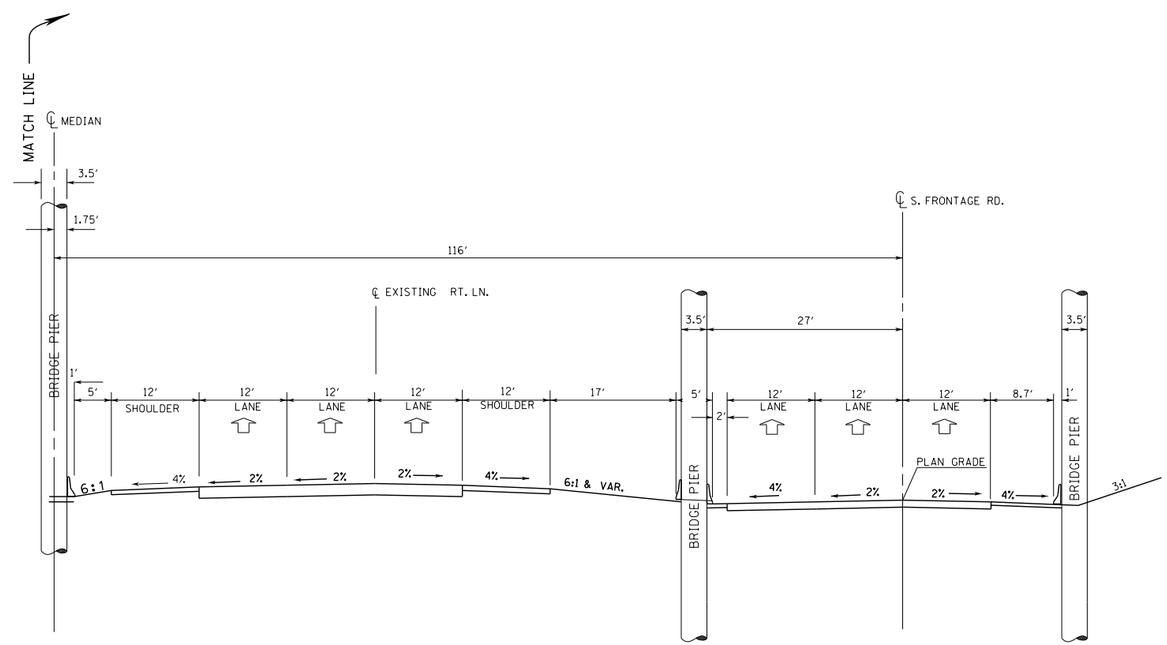
$FILE$
$DATE$

COUNTY:
DESIGN TEAM: **NEEL-SCHAFFER**
PROJECT NO.: 4 PHASE A
FILENAME:

STATE	PROJECT NO.
MISS.	



TYPICAL SECTION
@ WISCONSIN AVE. UNDERPASS
STA. 104+23



DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION
@ WISCONSIN AVE. UNDERPASS
STA. 104+23

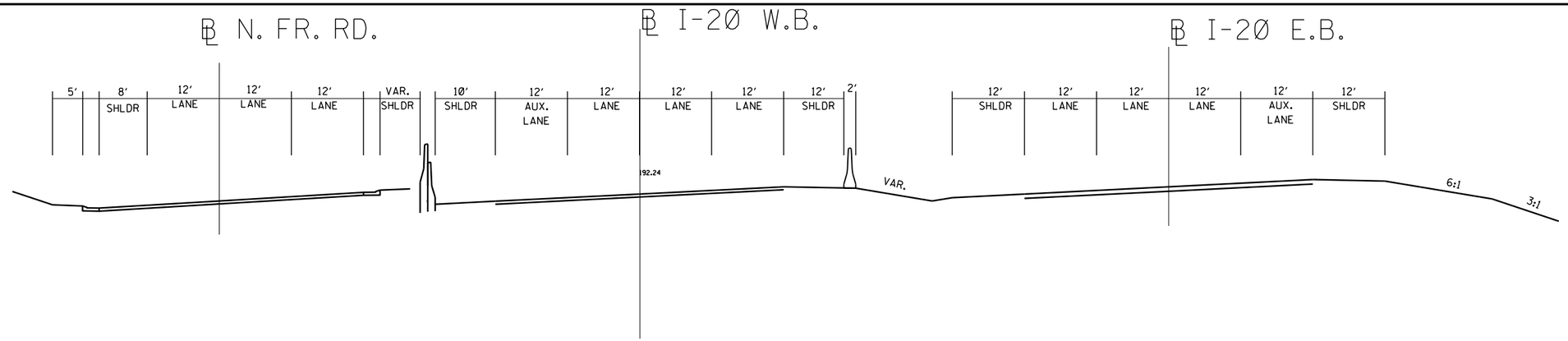
PROJECT NO.
COUNTY: WARREN
FILENAME:
DESIGN TEAM CHECKED DATE

WORKING NUMBER
TS4-2
SHEET NUMBER

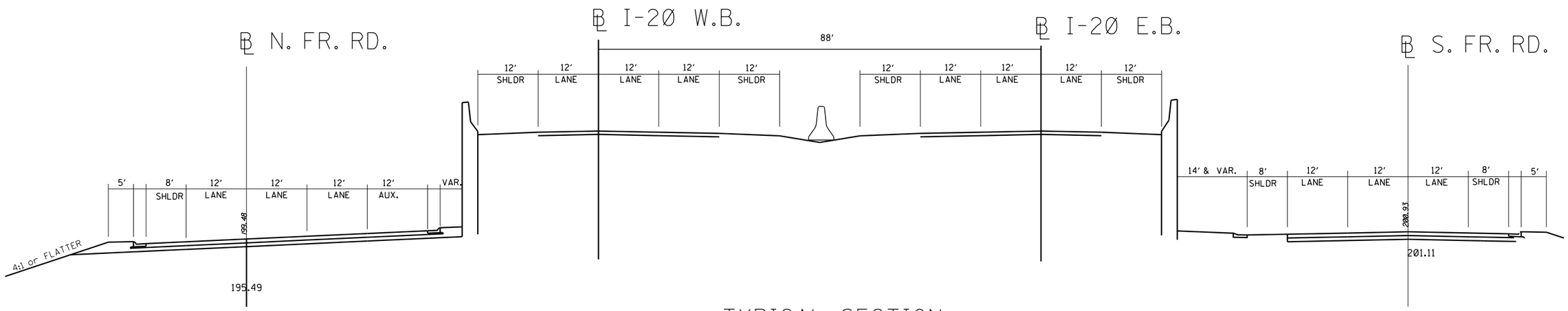
$FILES
$DATES

COUNTY: WARREN **PROJECT NO.: 4 PHASE A & B**
DESIGN TEAM: NEEL-SCHAFFER **FILENAME: TYP.DGN**

STATE	PROJECT NO.
MISS.	



TYPICAL SECTION
AT STA. 125+00



TYPICAL SECTION
AT STA. 95+00

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

N. FR. RD./ I-20 W.B./ I-20 E.B. @ 125+00
N. FR. RD./ I-20 W.B./ I-20 E.B./ S. FR. RD. @ 95+00

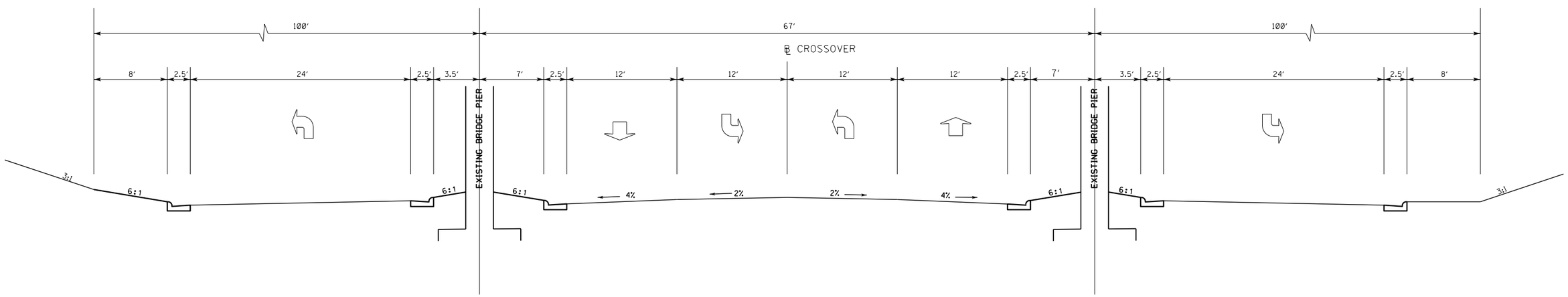
PROJECT NO.
COUNTY:
FILENAME:
DESIGN TEAM_____ CHECKED_____ DATE_____

WORKING NUMBER
TS4-3
SHEET NUMBER

$FILES
$DATES

COUNTY:
DESIGN TEAM: NEEL-SCHAFFER
PROJECT NO.: 4 PHASE A & B
FILENAME:

STATE	PROJECT NO.
MISS.	



TYPICAL SECTION
TURN-AROUND/CROSSOVER
@ I-20 STA 92+50

$FILES

$DATES

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION
TURN-AROUND/CROSSOVER
@ I-20 STA 92+50

PROJECT NO.
COUNTY:
FILENAME:
DESIGN TEAM CHECKED DATE

WORKING NUMBER
TS4-4
SHEET NUMBER

COUNTY:
DESIGN TEAM: **NEEL-SCHAFFER**
PROJECT NO.: 4 PHASE B
FILENAME:

STATE	PROJECT NO.
MISS.	

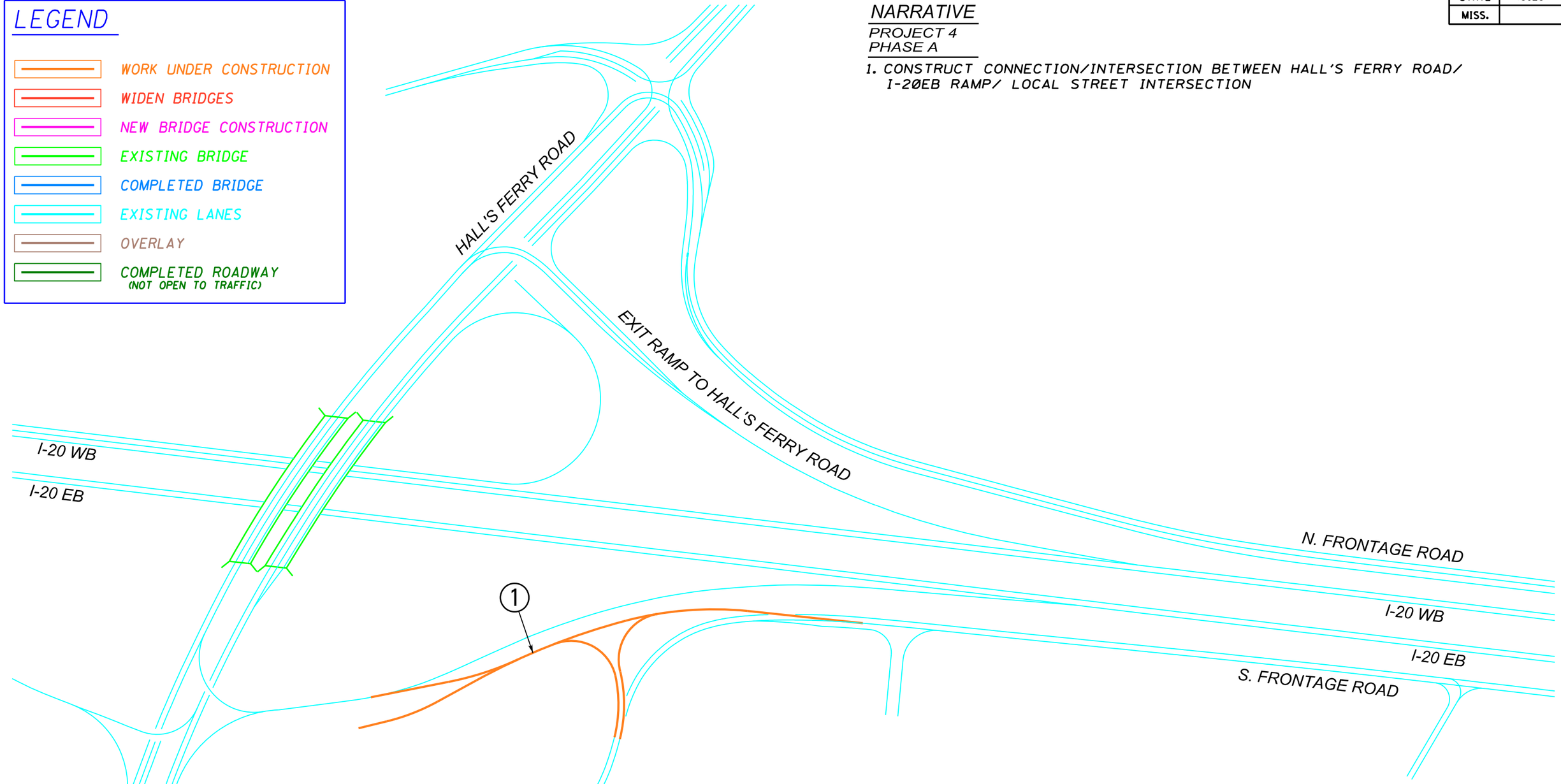
LEGEND

- WORK UNDER CONSTRUCTION
- WIDEN BRIDGES
- NEW BRIDGE CONSTRUCTION
- EXISTING BRIDGE
- COMPLETED BRIDGE
- EXISTING LANES
- OVERLAY
- COMPLETED ROADWAY (NOT OPEN TO TRAFFIC)

NARRATIVE

PROJECT 4
PHASE A

1. CONSTRUCT CONNECTION/INTERSECTION BETWEEN HALL'S FERRY ROAD/ I-20EB RAMP/ LOCAL STREET INTERSECTION



MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 4
PHASE A1

DATE	REVISION	BY

FILENAME: PROJ4 PHA.DGN
DESIGN TEAM _____ CHECKED _____ DATE _____

WORKING NUMBER

SHEET NUMBER

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
2/17/2011 14:05:23 PROJ4 PHA.DGN

STATE	PROJECT NO.
MISS.	

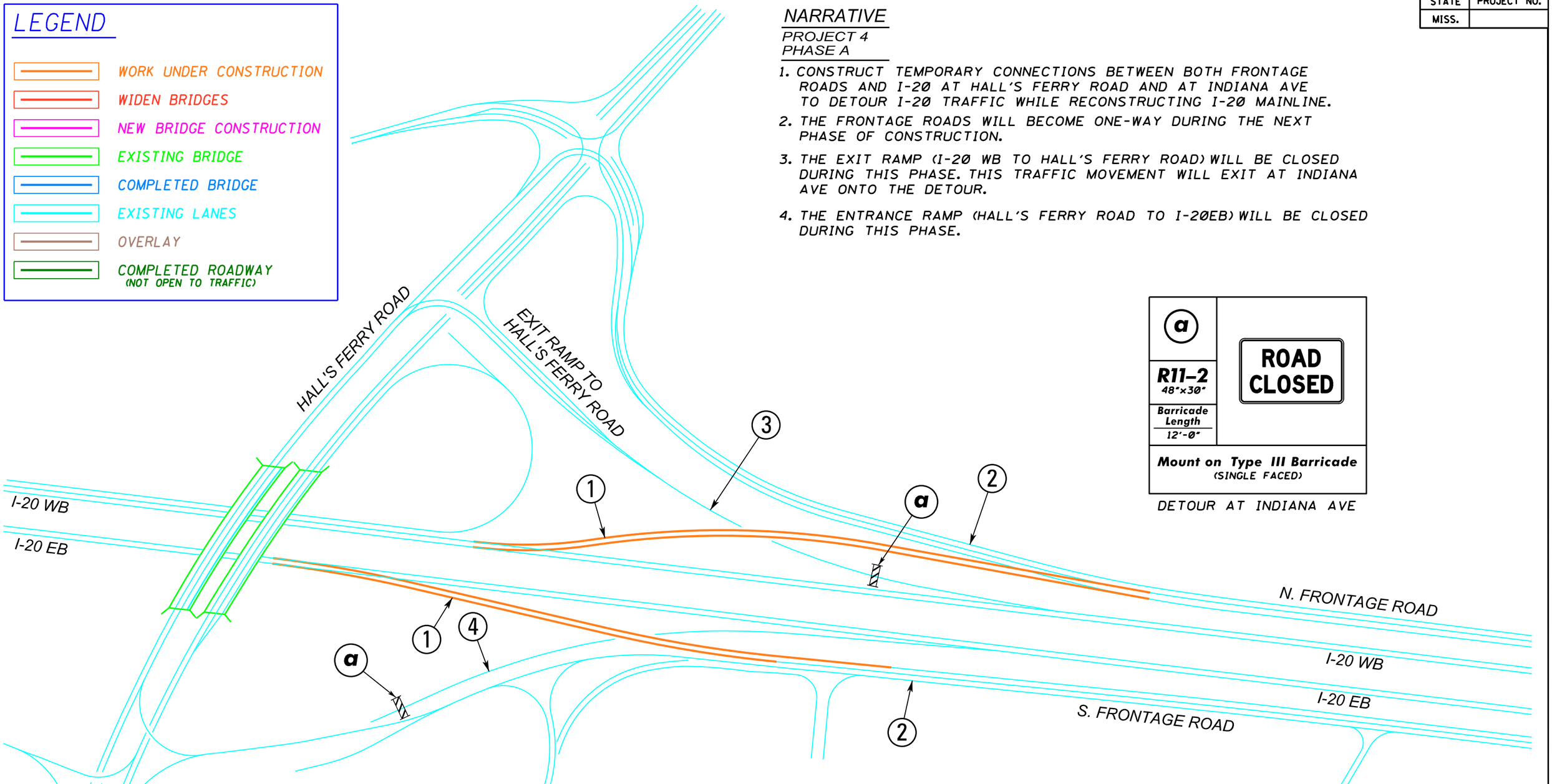
LEGEND

- WORK UNDER CONSTRUCTION
- WIDEN BRIDGES
- NEW BRIDGE CONSTRUCTION
- EXISTING BRIDGE
- COMPLETED BRIDGE
- EXISTING LANES
- OVERLAY
- COMPLETED ROADWAY (NOT OPEN TO TRAFFIC)

NARRATIVE

PROJECT 4
PHASE A

1. CONSTRUCT TEMPORARY CONNECTIONS BETWEEN BOTH FRONTAGE ROADS AND I-20 AT HALL'S FERRY ROAD AND AT INDIANA AVE TO DETOUR I-20 TRAFFIC WHILE RECONSTRUCTING I-20 MAINLINE.
2. THE FRONTAGE ROADS WILL BECOME ONE-WAY DURING THE NEXT PHASE OF CONSTRUCTION.
3. THE EXIT RAMP (I-20 WB TO HALL'S FERRY ROAD) WILL BE CLOSED DURING THIS PHASE. THIS TRAFFIC MOVEMENT WILL EXIT AT INDIANA AVE ONTO THE DETOUR.
4. THE ENTRANCE RAMP (HALL'S FERRY ROAD TO I-20EB) WILL BE CLOSED DURING THIS PHASE.



a	ROAD CLOSED
R11-2 48"x30"	
Barricade Length 12'-0"	
Mount on Type III Barricade (SINGLE FACED)	

DETOUR AT INDIANA AVE

BY	REVISION	DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 4
PHASE A1

WORKING NUMBER

SHEET NUMBER

FILENAME: PROJ4 PHA.DGN
DESIGN TEAM _____ CHECKED _____ DATE _____

2/17/2011 14:05:45 PROJ4 PHA.DGN
MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION

STATE	PROJECT NO.
MISS.	

LEGEND

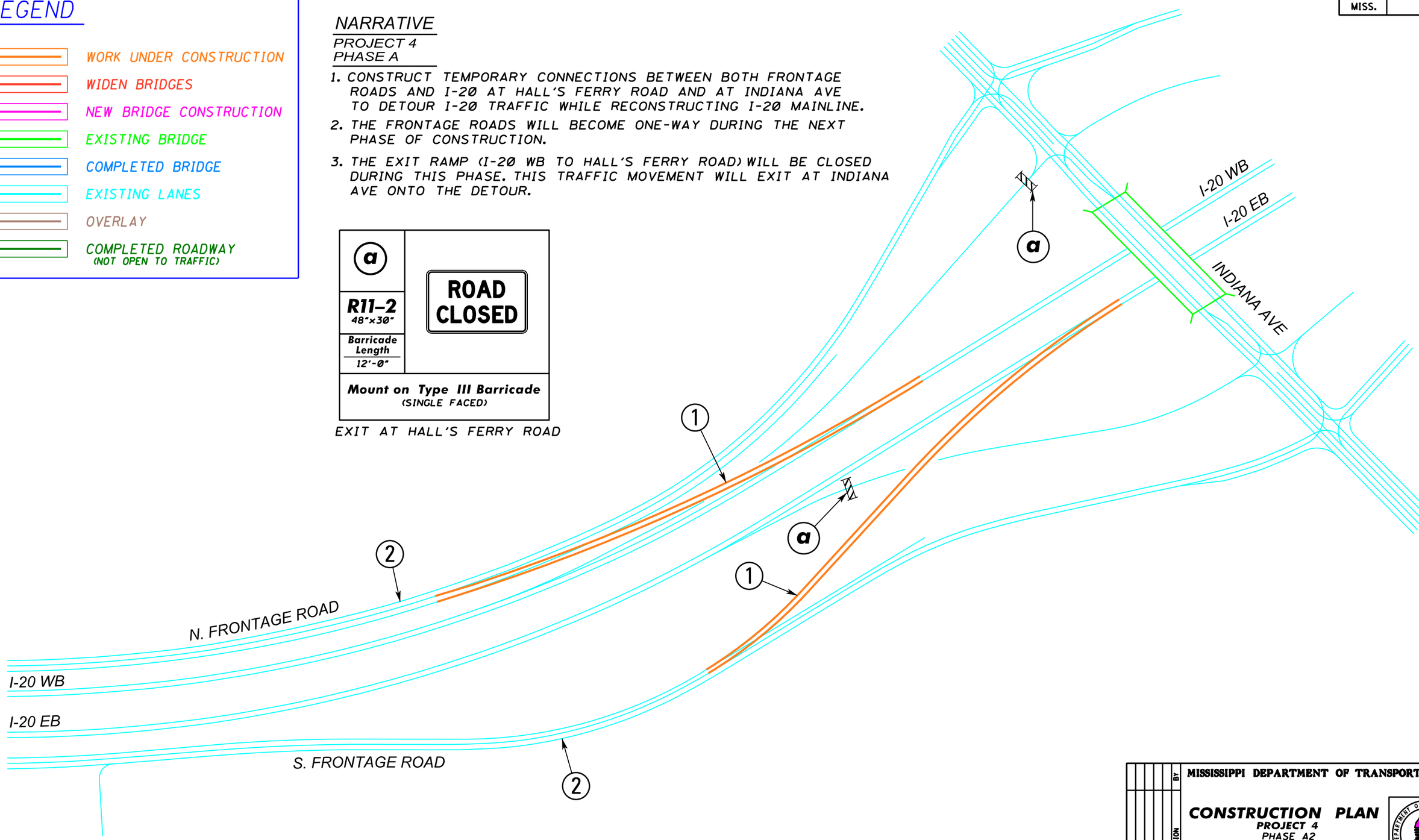
- WORK UNDER CONSTRUCTION
- WIDEN BRIDGES
- NEW BRIDGE CONSTRUCTION
- EXISTING BRIDGE
- COMPLETED BRIDGE
- EXISTING LANES
- OVERLAY
- COMPLETED ROADWAY (NOT OPEN TO TRAFFIC)

NARRATIVE

PROJECT 4
PHASE A

1. CONSTRUCT TEMPORARY CONNECTIONS BETWEEN BOTH FRONTAGE ROADS AND I-20 AT HALL'S FERRY ROAD AND AT INDIANA AVE TO DETOUR I-20 TRAFFIC WHILE RECONSTRUCTING I-20 MAINLINE.
2. THE FRONTAGE ROADS WILL BECOME ONE-WAY DURING THE NEXT PHASE OF CONSTRUCTION.
3. THE EXIT RAMP (I-20 WB TO HALL'S FERRY ROAD) WILL BE CLOSED DURING THIS PHASE. THIS TRAFFIC MOVEMENT WILL EXIT AT INDIANA AVE ONTO THE DETOUR.

EXIT AT HALL'S FERRY ROAD



MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 4
PHASE A2

WORKING NUMBER

SHEET NUMBER

REVISION | BY | DATE

FILENAME: PROJ4 PHA.DGN
DESIGN TEAM _____ CHECKED _____ DATE _____

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

2/17/2011 14:06:18 PROJ4 PHA.DGN

STATE	PROJECT NO.
MISS.	

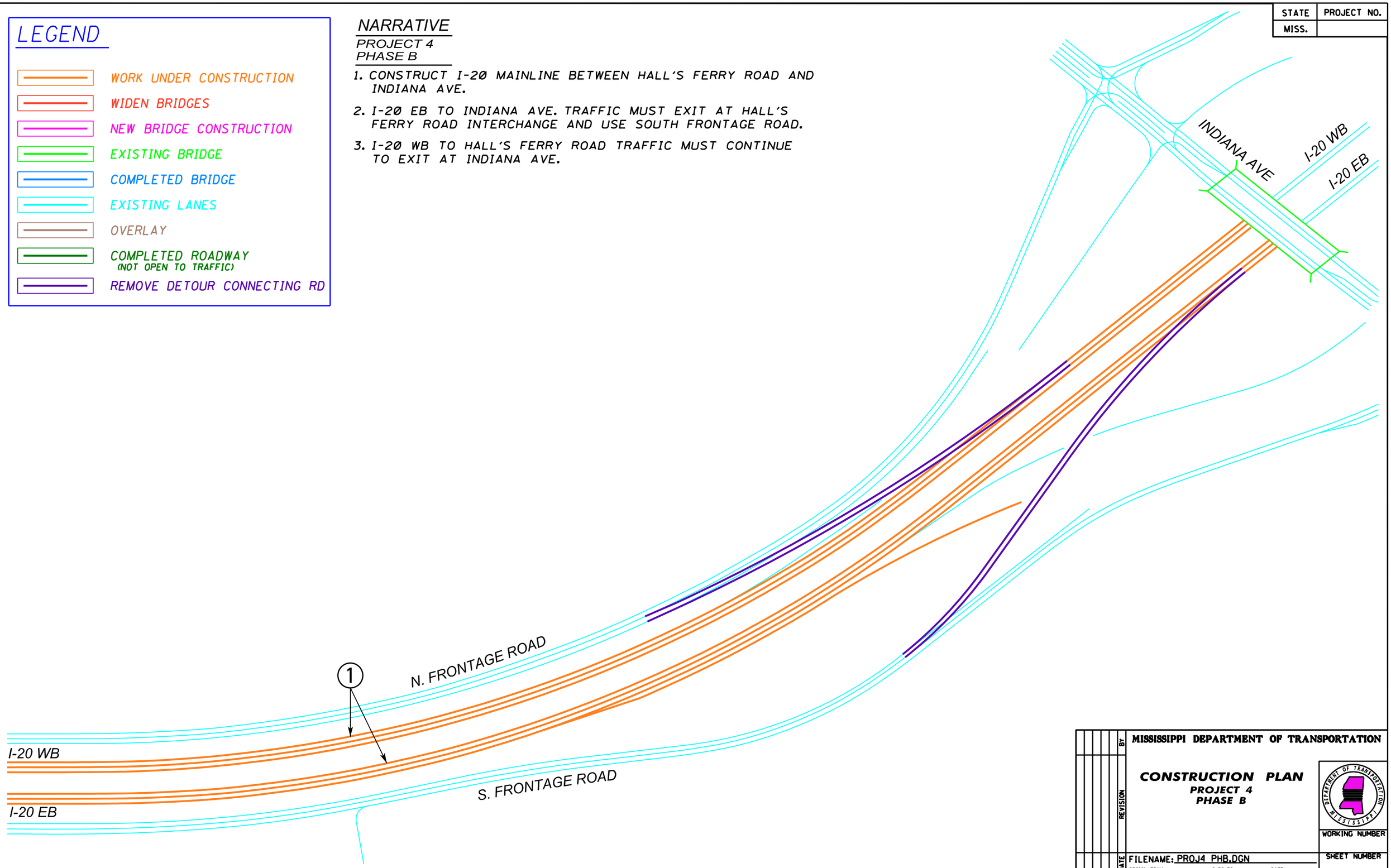
LEGEND

- WORK UNDER CONSTRUCTION
- WIDEN BRIDGES
- NEW BRIDGE CONSTRUCTION
- EXISTING BRIDGE
- COMPLETED BRIDGE
- EXISTING LANES
- OVERLAY
- COMPLETED ROADWAY (NOT OPEN TO TRAFFIC)
- REMOVE DETOUR CONNECTING RD

NARRATIVE

PROJECT 4
PHASE B

1. CONSTRUCT I-20 MAINLINE BETWEEN HALL'S FERRY ROAD AND INDIANA AVE.
2. I-20 EB TO INDIANA AVE. TRAFFIC MUST EXIT AT HALL'S FERRY ROAD INTERCHANGE AND USE SOUTH FRONTAGE ROAD.
3. I-20 WB TO HALL'S FERRY ROAD TRAFFIC MUST CONTINUE TO EXIT AT INDIANA AVE.



DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 4
PHASE B

WORKING NUMBER

SHEET NUMBER

FILENAME: PROJ4 PHB.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

2/18/2011 13:05:49 PROJ4 PHB.DGN
PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

STATE	PROJECT NO.
MISS.	

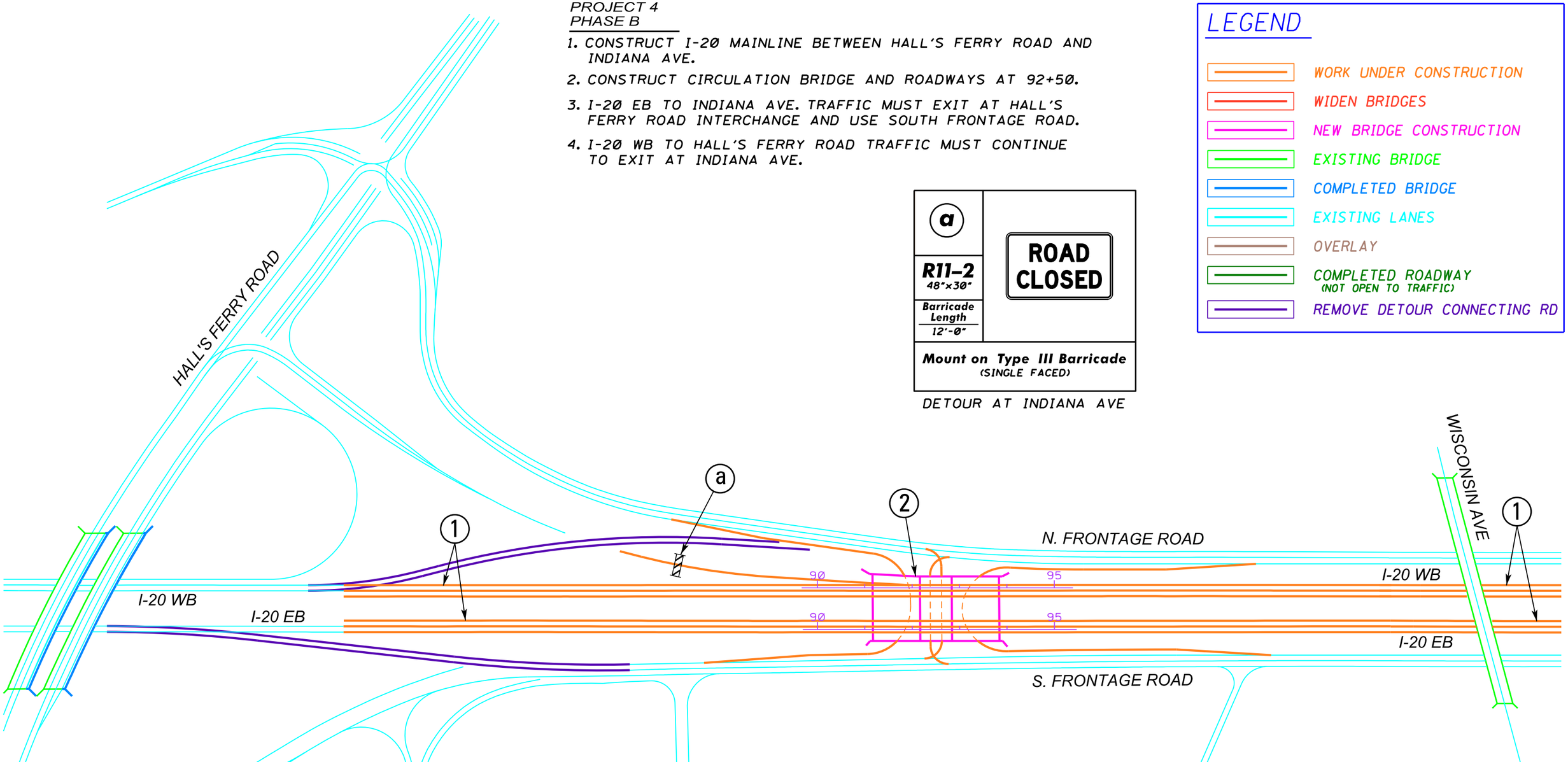
NARRATIVE

PROJECT 4
PHASE B

1. CONSTRUCT I-20 MAINLINE BETWEEN HALL'S FERRY ROAD AND INDIANA AVE.
2. CONSTRUCT CIRCULATION BRIDGE AND ROADWAYS AT 92+50.
3. I-20 EB TO INDIANA AVE. TRAFFIC MUST EXIT AT HALL'S FERRY ROAD INTERCHANGE AND USE SOUTH FRONTAGE ROAD.
4. I-20 WB TO HALL'S FERRY ROAD TRAFFIC MUST CONTINUE TO EXIT AT INDIANA AVE.

LEGEND

- WORK UNDER CONSTRUCTION
- WIDEN BRIDGES
- NEW BRIDGE CONSTRUCTION
- EXISTING BRIDGE
- COMPLETED BRIDGE
- EXISTING LANES
- OVERLAY
- COMPLETED ROADWAY (NOT OPEN TO TRAFFIC)
- REMOVE DETOUR CONNECTING RD



DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 4
PHASE B

WORKING NUMBER

SHEET NUMBER

FILENAME: PROJ4 PHB.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

2/18/2011 13:05:23 PROJ4 PHB.DGN
MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION

STATE	PROJECT NO.
MISS.	

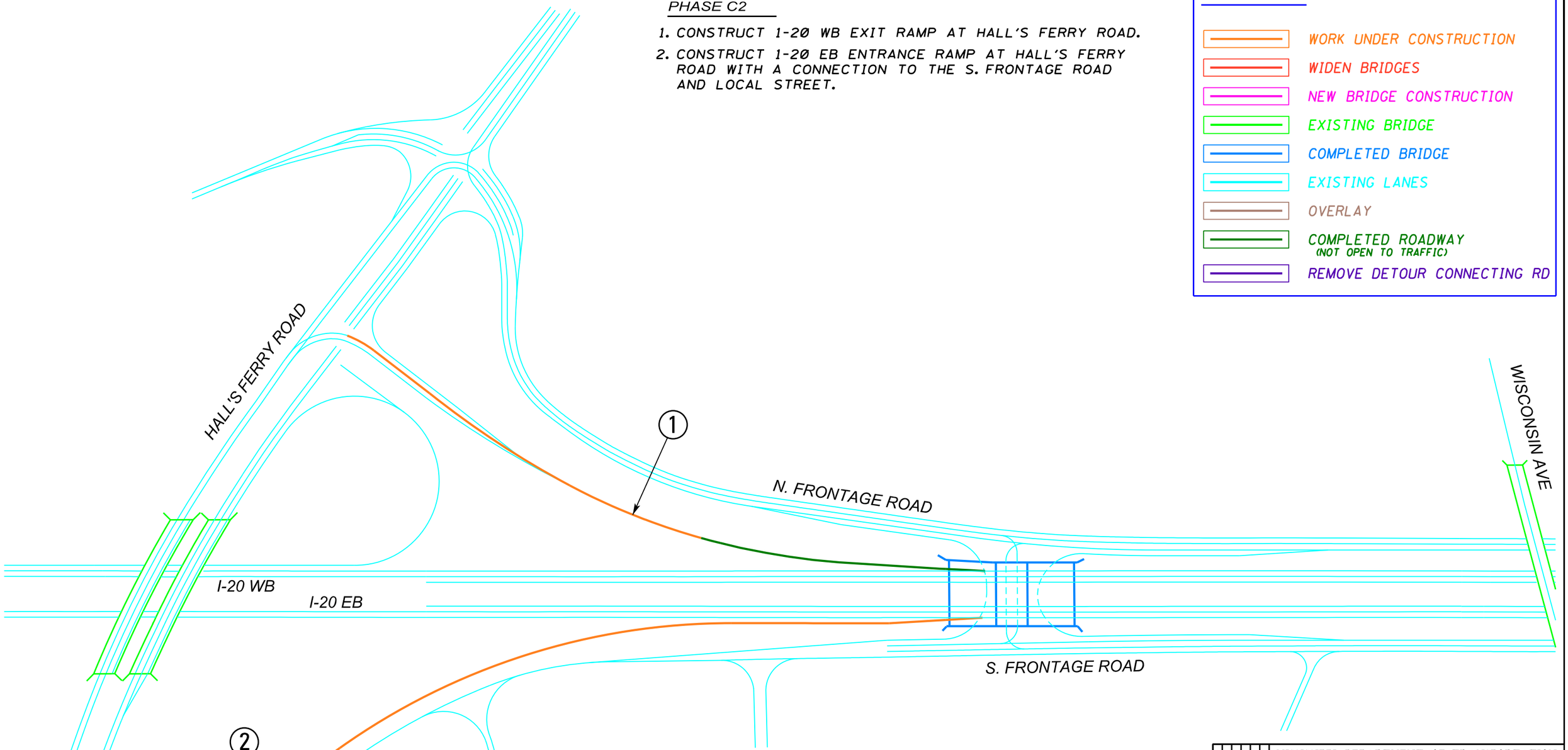
NARRATIVE

PROJECT 4
PHASE C2

1. CONSTRUCT I-20 WB EXIT RAMP AT HALL'S FERRY ROAD.
2. CONSTRUCT I-20 EB ENTRANCE RAMP AT HALL'S FERRY ROAD WITH A CONNECTION TO THE S. FRONTAGE ROAD AND LOCAL STREET.

LEGEND

- WORK UNDER CONSTRUCTION
- WIDEN BRIDGES
- NEW BRIDGE CONSTRUCTION
- EXISTING BRIDGE
- COMPLETED BRIDGE
- EXISTING LANES
- OVERLAY
- COMPLETED ROADWAY (NOT OPEN TO TRAFFIC)
- REMOVE DETOUR CONNECTING RD



BY	REVISION	DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 4
PHASE C2

WORKING NUMBER

SHEET NUMBER

FILENAME: PROJ4 PHC.DGN
DESIGN TEAM _____ CHECKED _____ DATE _____

RCSB
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
2/10/2011 13:18:48 PROJ4 PHC.DGN

STATE	PROJECT NO.
MISS.	

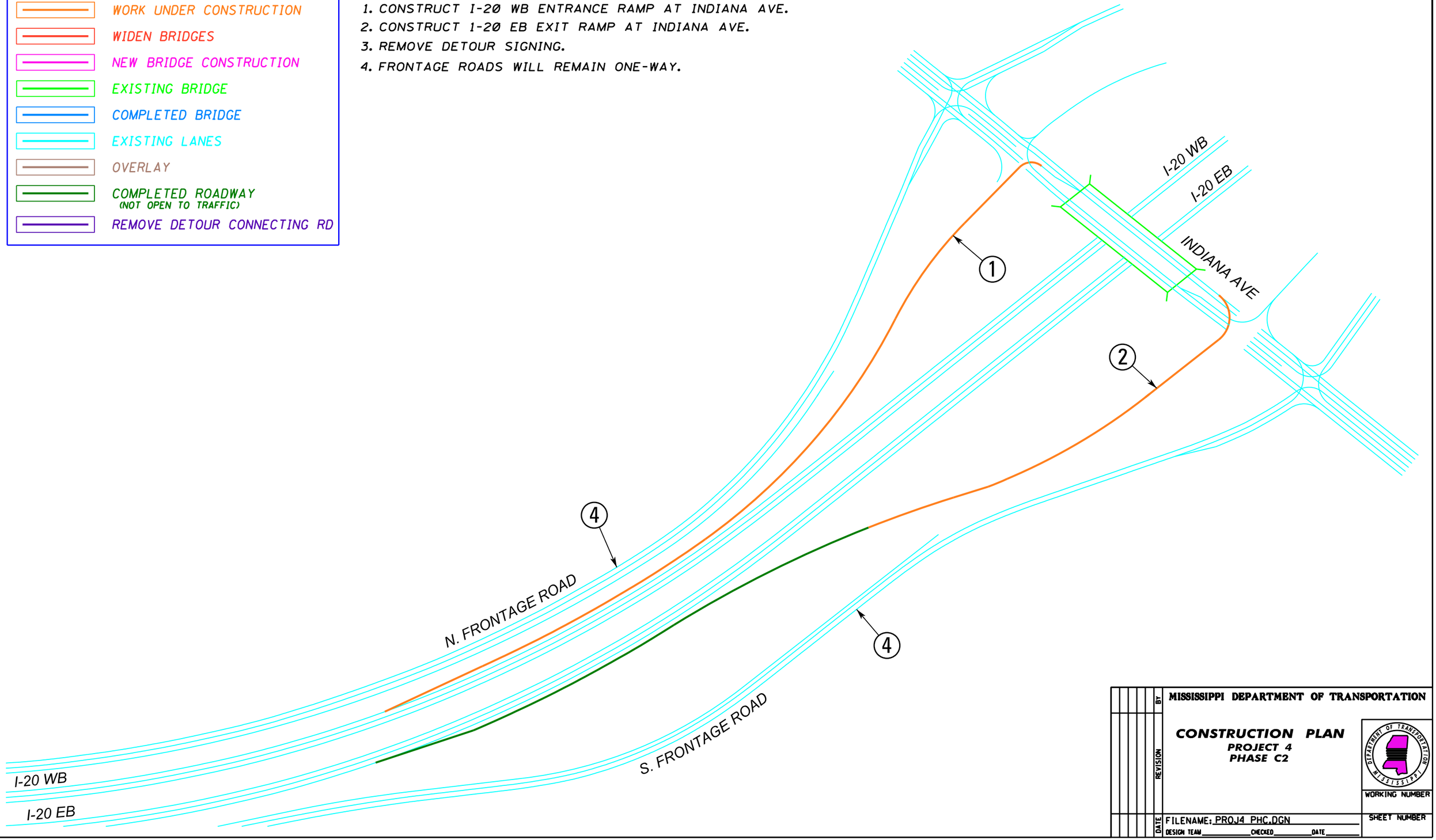
LEGEND

- WORK UNDER CONSTRUCTION
- WIDEN BRIDGES
- NEW BRIDGE CONSTRUCTION
- EXISTING BRIDGE
- COMPLETED BRIDGE
- EXISTING LANES
- OVERLAY
- COMPLETED ROADWAY (NOT OPEN TO TRAFFIC)
- REMOVE DETOUR CONNECTING RD

NARRATIVE

PROJECT 4
PHASE C3

1. CONSTRUCT I-20 WB ENTRANCE RAMP AT INDIANA AVE.
2. CONSTRUCT 1-20 EB EXIT RAMP AT INDIANA AVE.
3. REMOVE DETOUR SIGNING.
4. FRONTAGE ROADS WILL REMAIN ONE-WAY.



DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 4
PHASE C2

WORKING NUMBER

SHEET NUMBER

FILENAME: PROJ4 PHC.DGN
DESIGN TEAM _____ CHECKED _____ DATE _____

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

2/11/2011 @7:18:12 PROJ4 PHC.DGN

STATE	PROJECT NO.
MISS.	

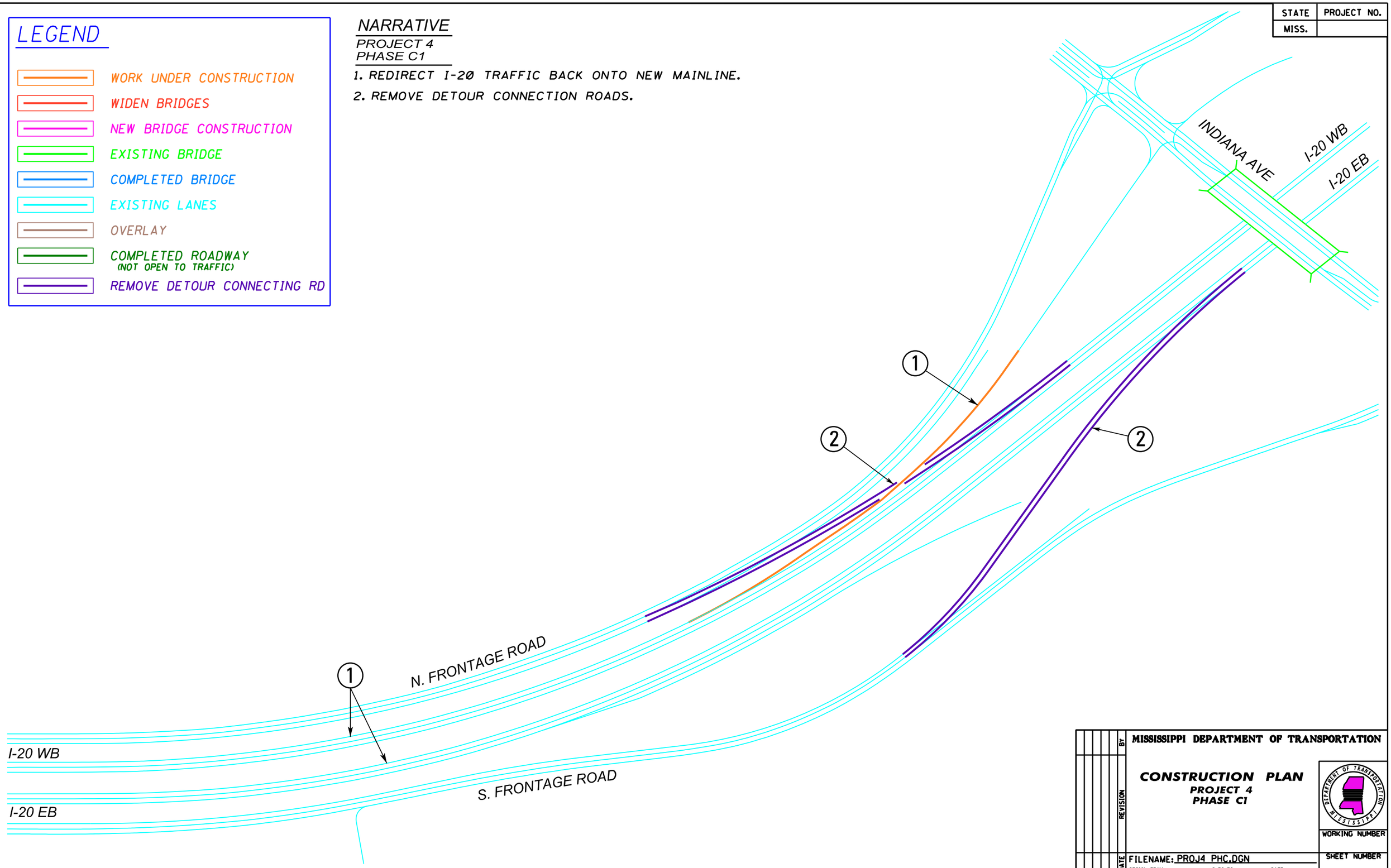
LEGEND

- WORK UNDER CONSTRUCTION
- WIDEN BRIDGES
- NEW BRIDGE CONSTRUCTION
- EXISTING BRIDGE
- COMPLETED BRIDGE
- EXISTING LANES
- OVERLAY
- COMPLETED ROADWAY (NOT OPEN TO TRAFFIC)
- REMOVE DETOUR CONNECTING RD

NARRATIVE

PROJECT 4
PHASE C1

1. REDIRECT I-20 TRAFFIC BACK ONTO NEW MAINLINE.
2. REMOVE DETOUR CONNECTION ROADS.



DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 4
PHASE C1

WORKING NUMBER

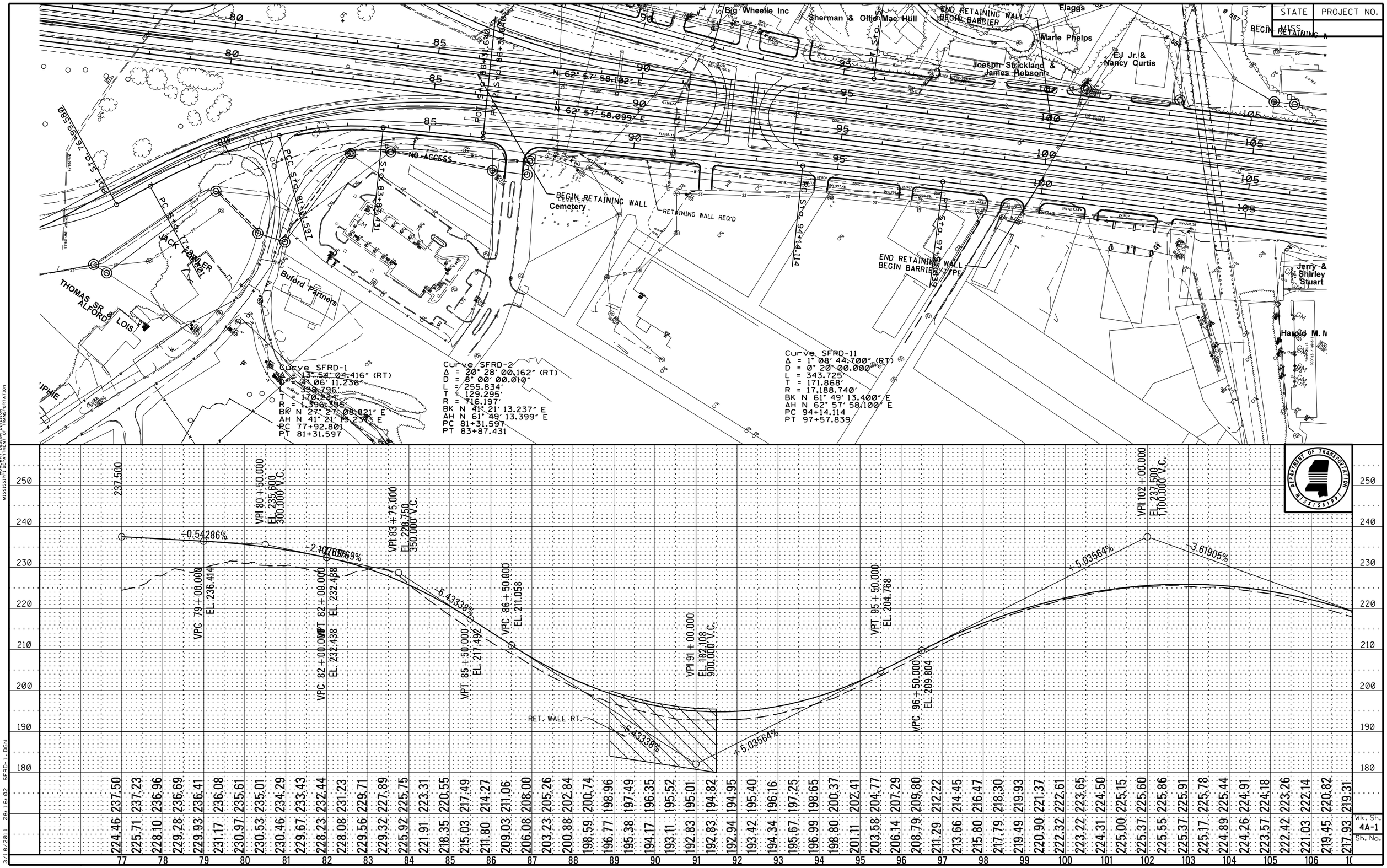
SHEET NUMBER

FILENAME: PROJ4 PHC.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

2/18/2011 13:18:31 PROJ4 PHC.DGN
PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

STATE	PROJECT NO.
MISS.	



Wk. Sh. 4A-1

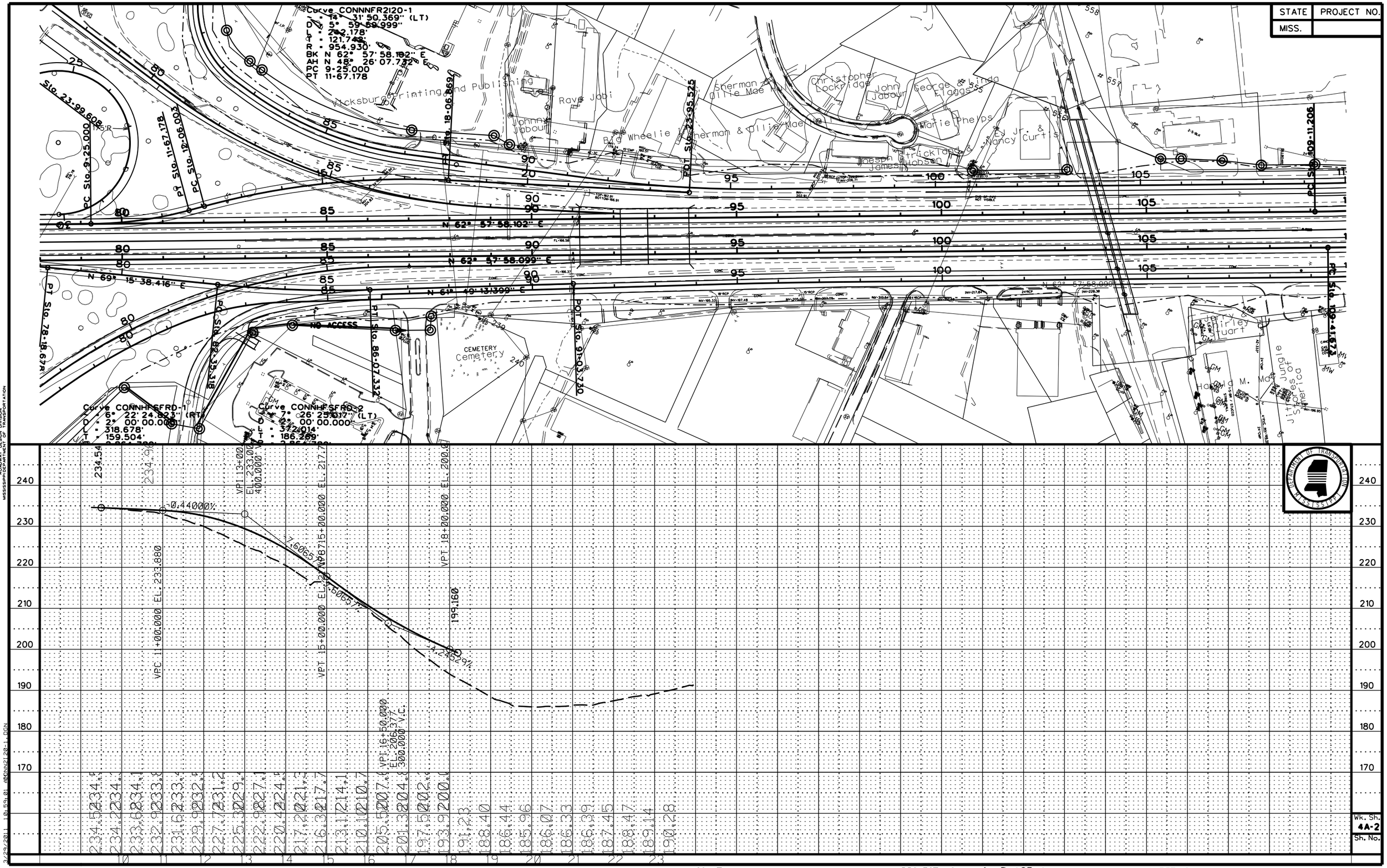
Sh. No.

PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

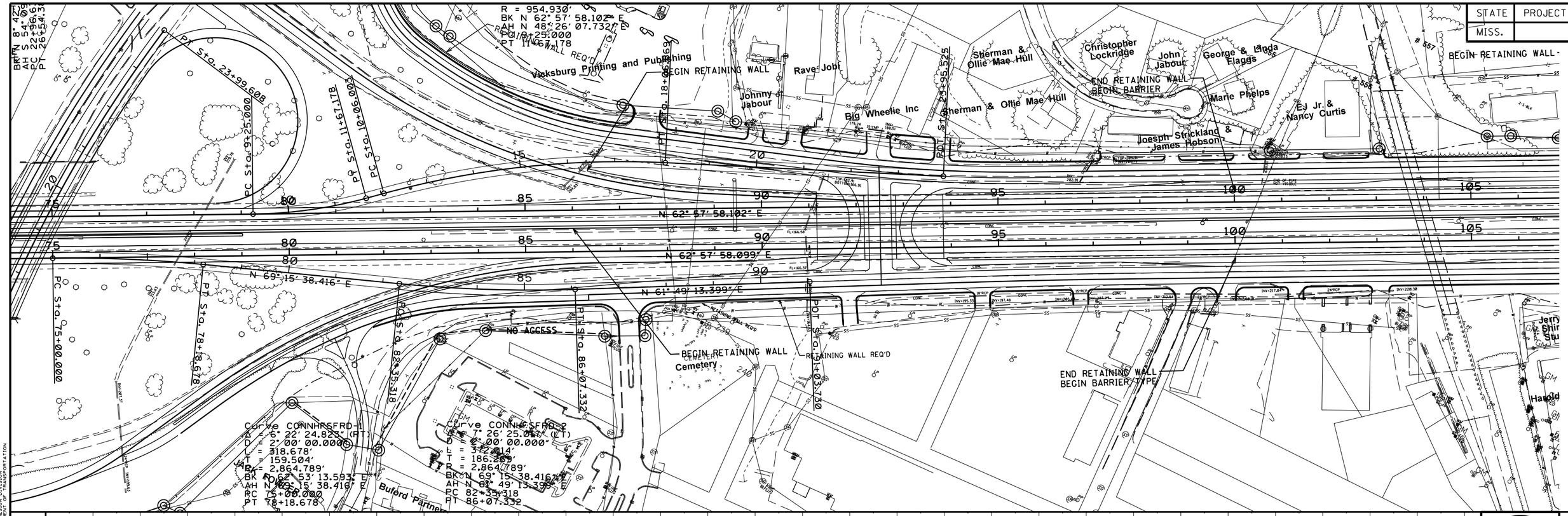
3/18/2011 08:16:02 SFRD-1.DGN

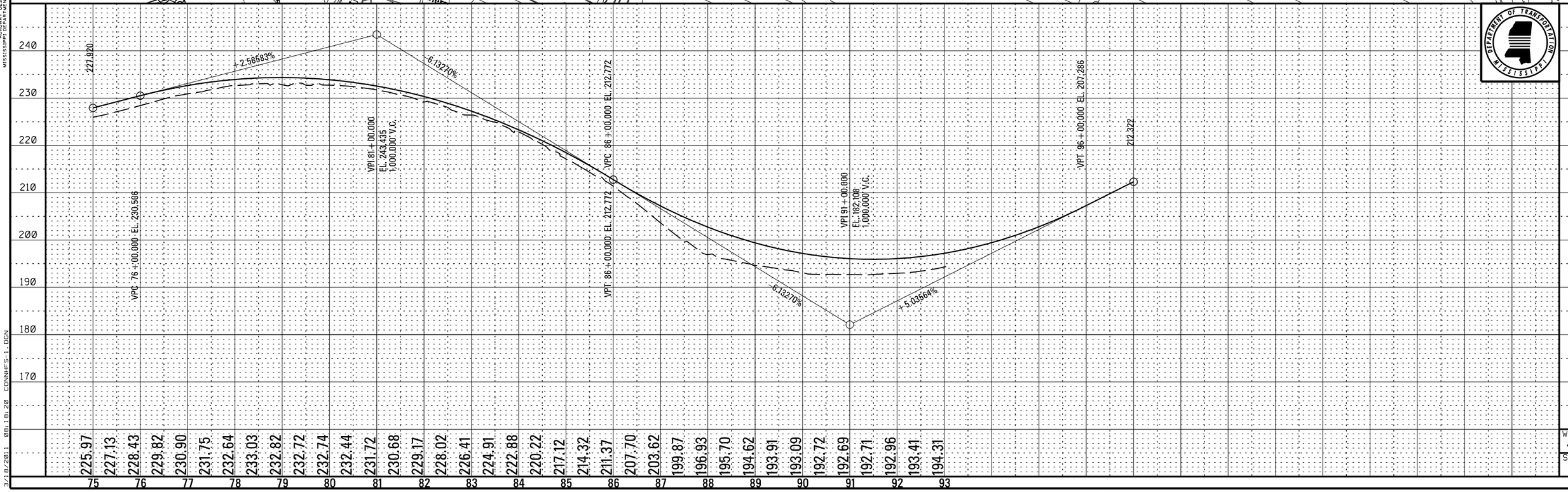
DESIGN TEAM: FILENAME: SFRD-1.DGN COUNTY: PROJECT NO. : 4 PHASE A SHEET ID:

STATE	PROJECT NO.
MISS.	



STATE	PROJECT NO.
MISS.	





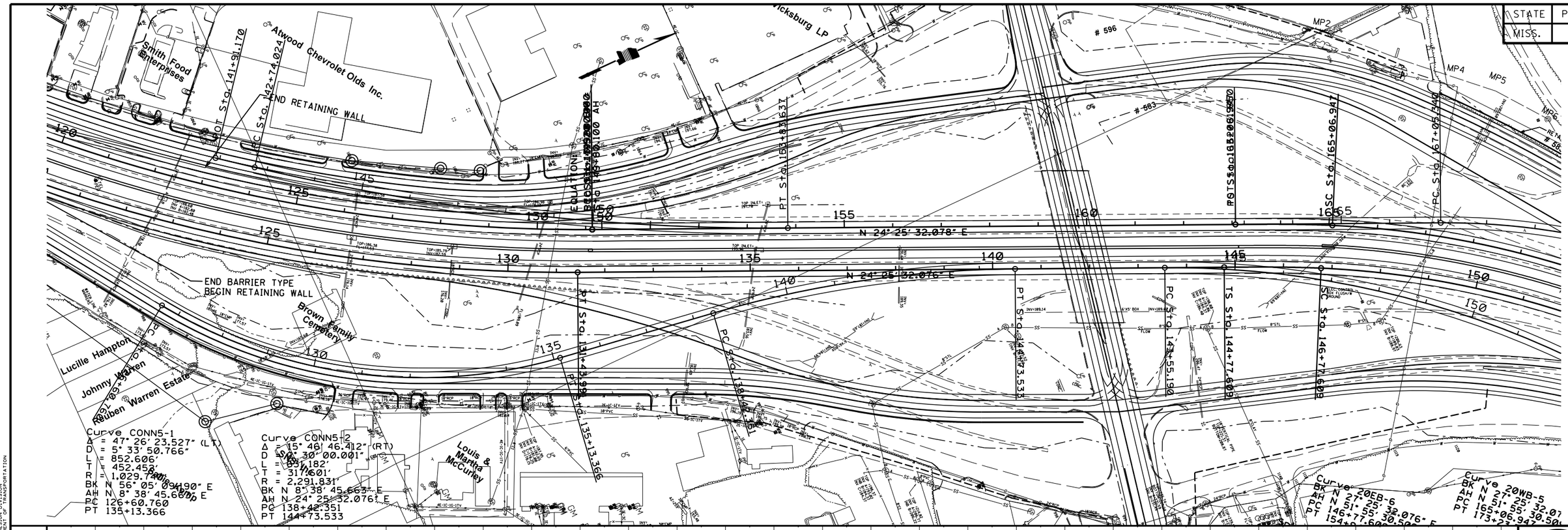
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

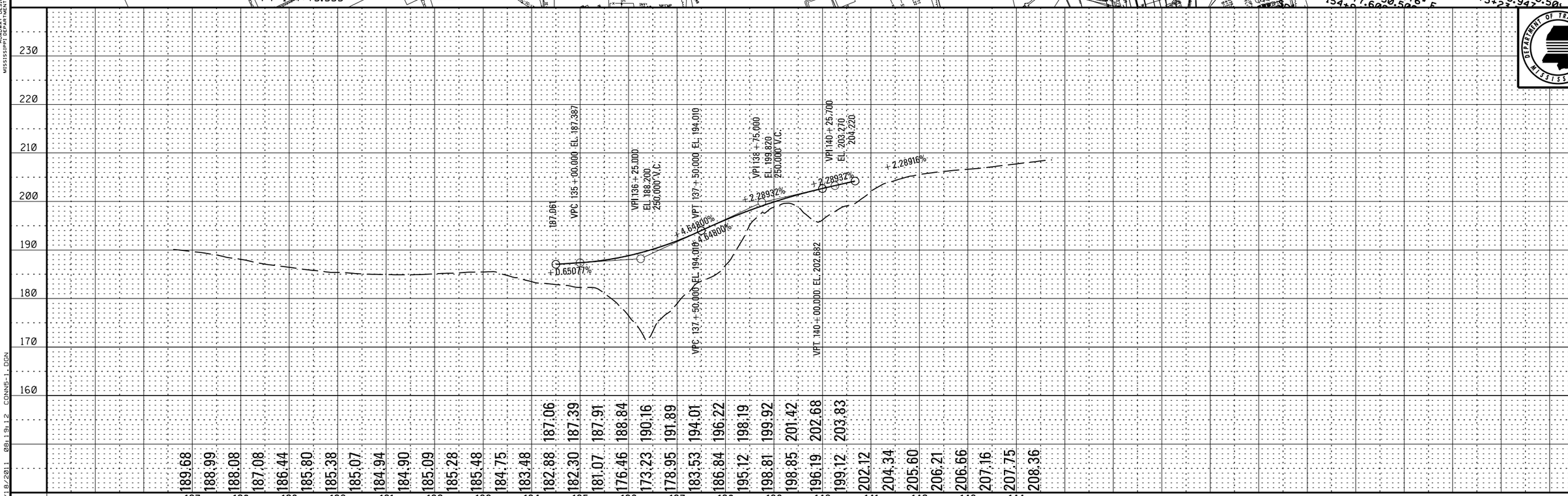
3/18/2011 08:18:20 CONNHFS-1.DGN

Wk. Sh. 4A-3
Sh. No.

DESIGN TEAM: FILENAME: CONNHFS-1.DGN COUNTY: PROJECT NO. : 4 PHASE A SHEET ID:

STATE	PROJECT NO.
MISS.	





Wk. Sh. 4A-4
Sh. No.

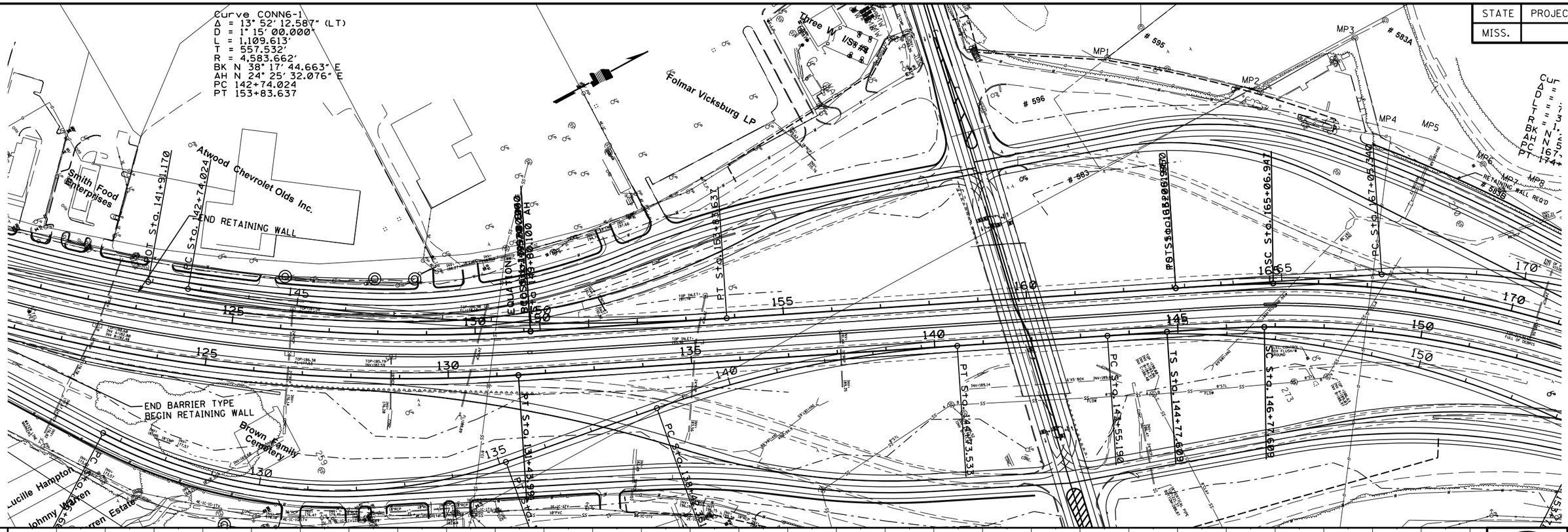
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

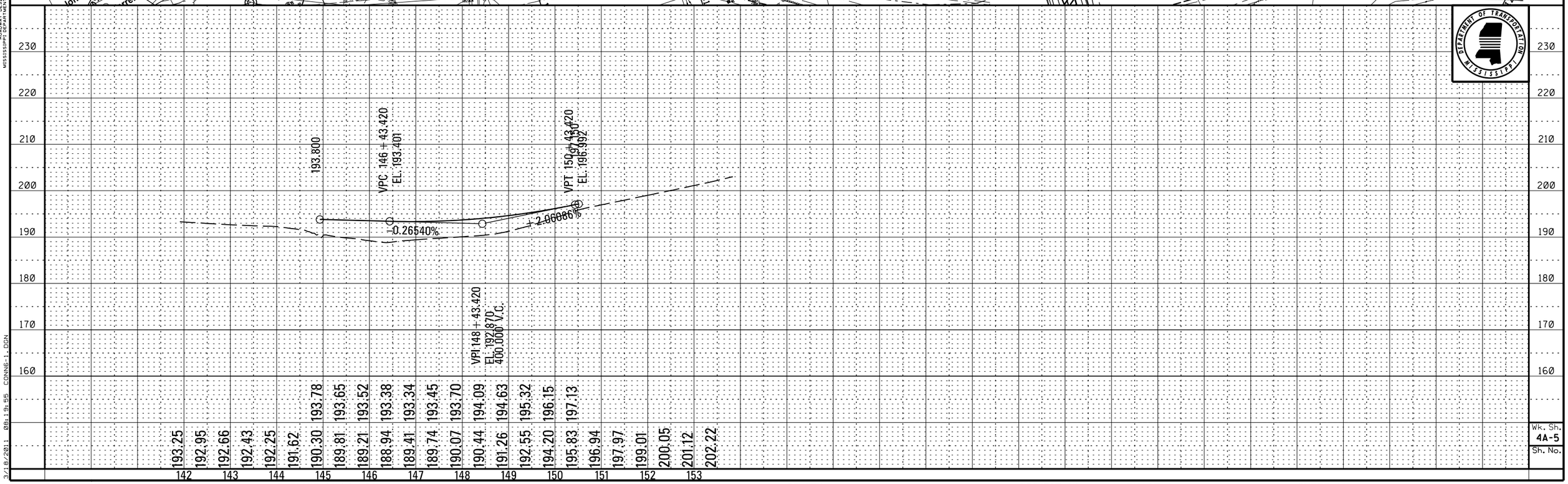
3/18/2011 08:19:12 CONN5-1.DGN

DESIGN TEAM: FILENAME: CONN5-1.DGN COUNTY: PROJECT NO. : 4 PHASE A SHEET ID:

STATE	PROJECT NO.
MISS.	

Curve CONN6-1
Δ = 13° 52' 12.587" (LT)
D = 1° 15' 00.000"
L = 1,109.613'
T = 557.532'
R = 4,583.662'
BK N 38° 17' 44.663" E
AH N 24° 25' 32.076" E
PC 142+74.024
PT 153+83.637





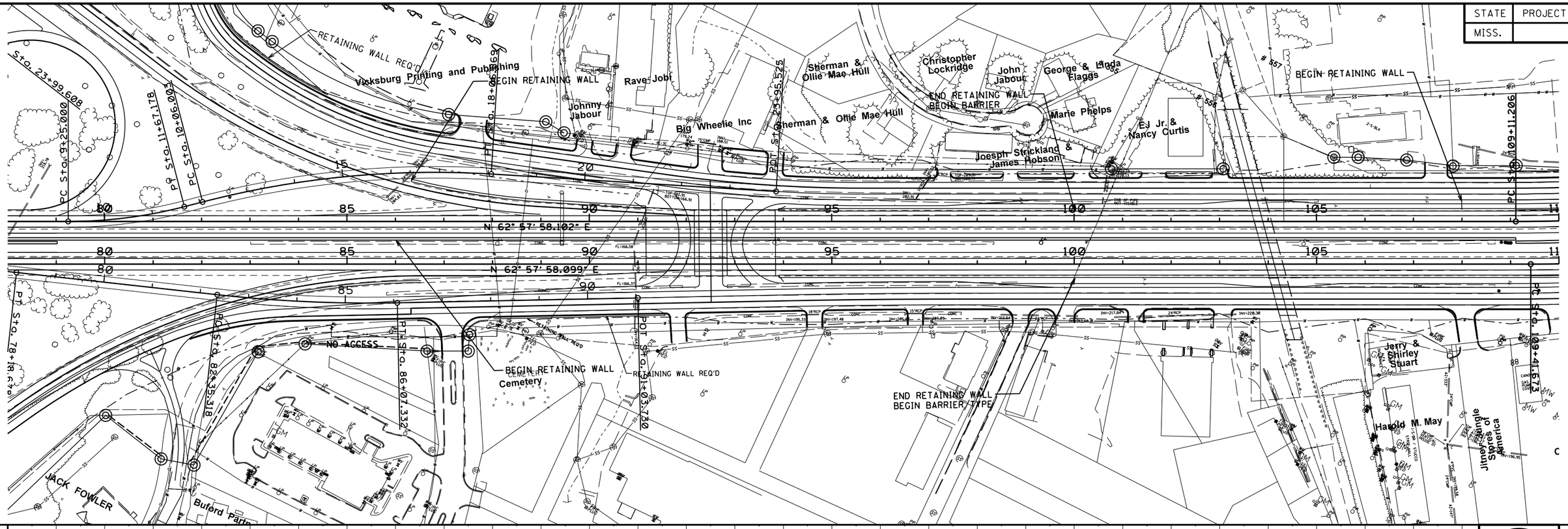
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

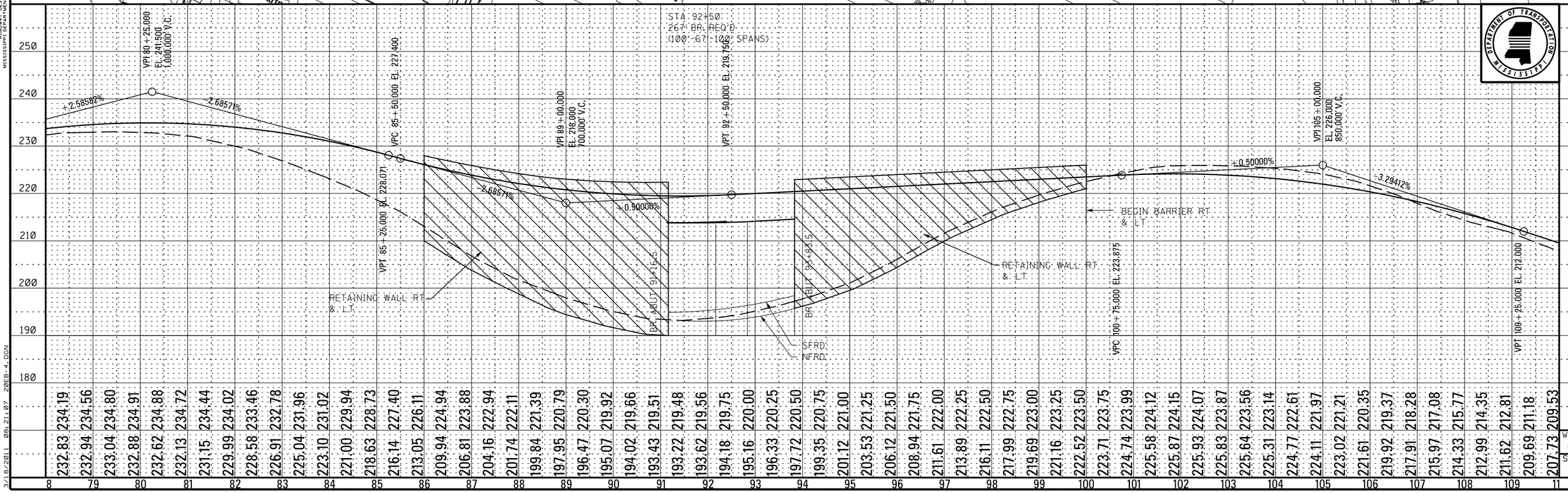
3/18/2011 08:19:55 CONN6-1.DGN

Wk. Sh. 4A-5
Sh. No.

DESIGN TEAM: FILENAME: CONN6-1.DGN COUNTY: PROJECT NO. : 4 PHASE A SHEET ID:

STATE	PROJECT NO.
MISS.	





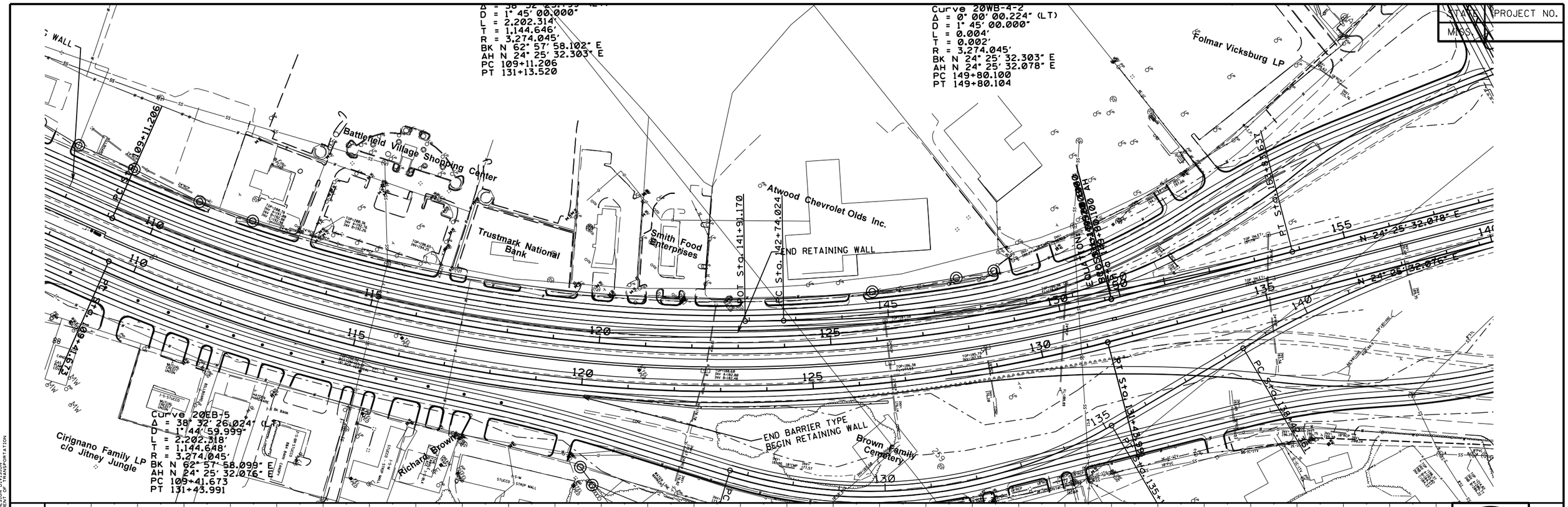
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

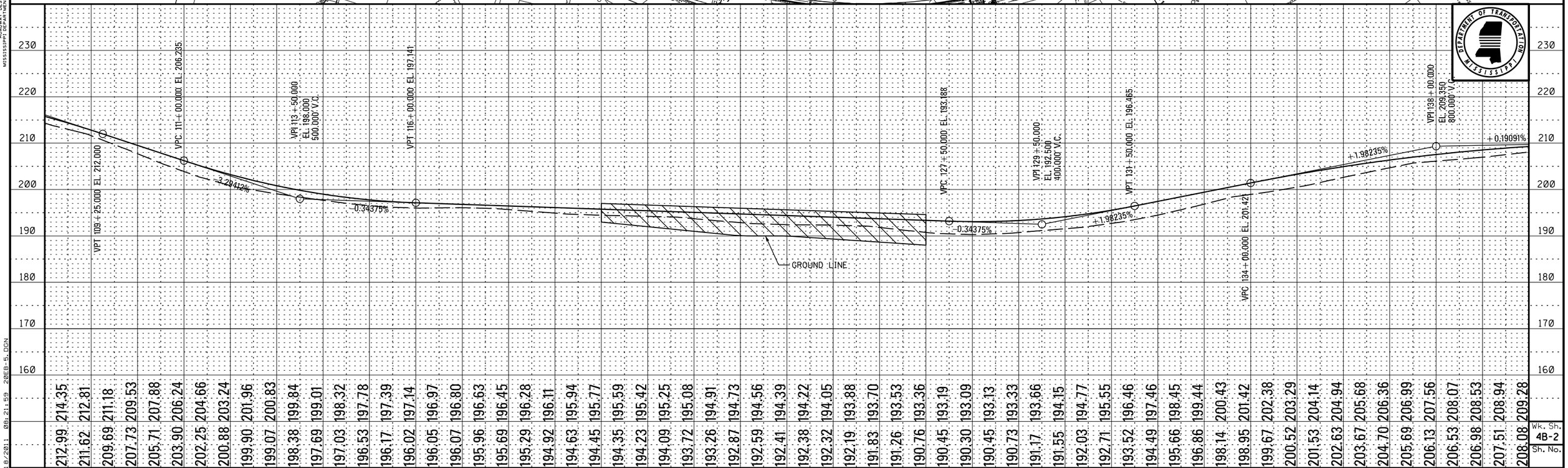
3/18/2011 08:21:07 20EB-4.DGN

Wk. Sh. 4B-1
Sh. No.

DESIGN TEAM: FILENAME: 20EB-4.DGN COUNTY: PROJECT NO. : 4 PHASE B SHEET ID:

STATE PROJECT NO.
MISS.





Wk. Sh. 4B-2
Sh. No.

PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/18/2011 08:21:59 20EB-5.DGN

DESIGN TEAM: FILENAME: 20EB-5.DGN COUNTY: PROJECT NO. : 4 PHASE B SHEET ID:

STATE	PROJECT NO.
MISS.	

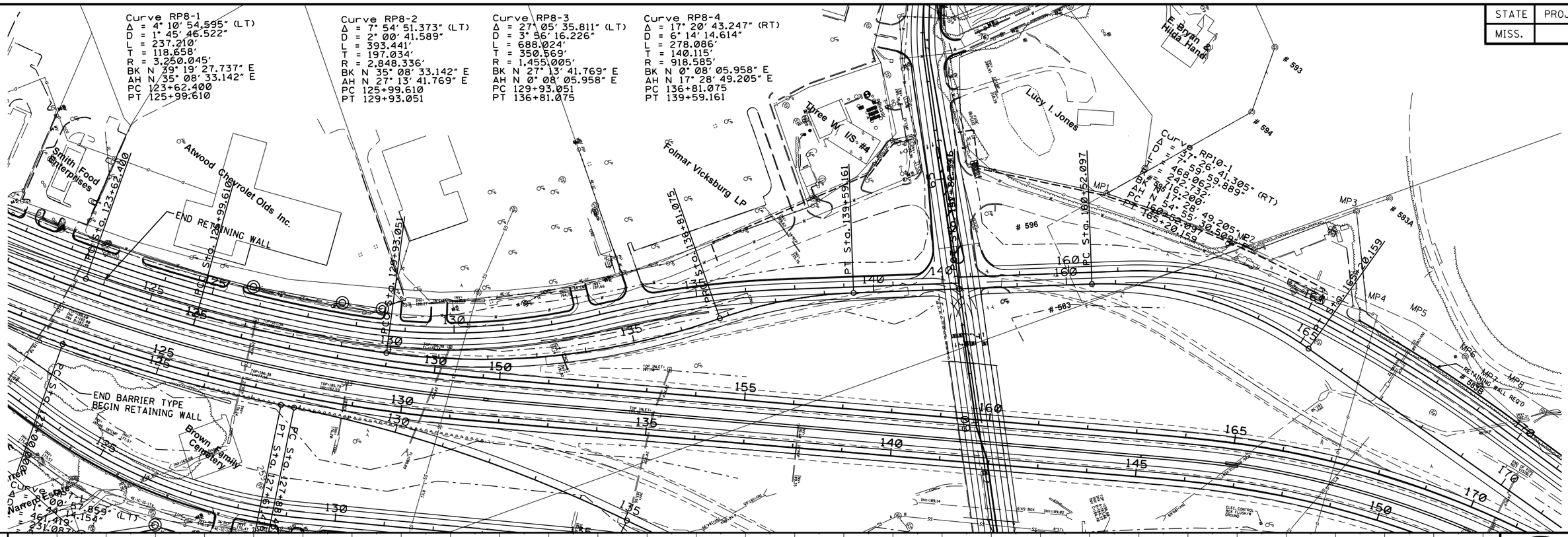
Curve RP8-1
Δ = 4° 10′ 54.595″ (LT)
D = 1° 45′ 46.522″
L = 237.210′
T = 118.658′
R = 3,250.045′
BK N 39° 19′ 27.737″ E
AH N 35° 08′ 33.142″ E
PC 123+62.400
PT 125+99.610

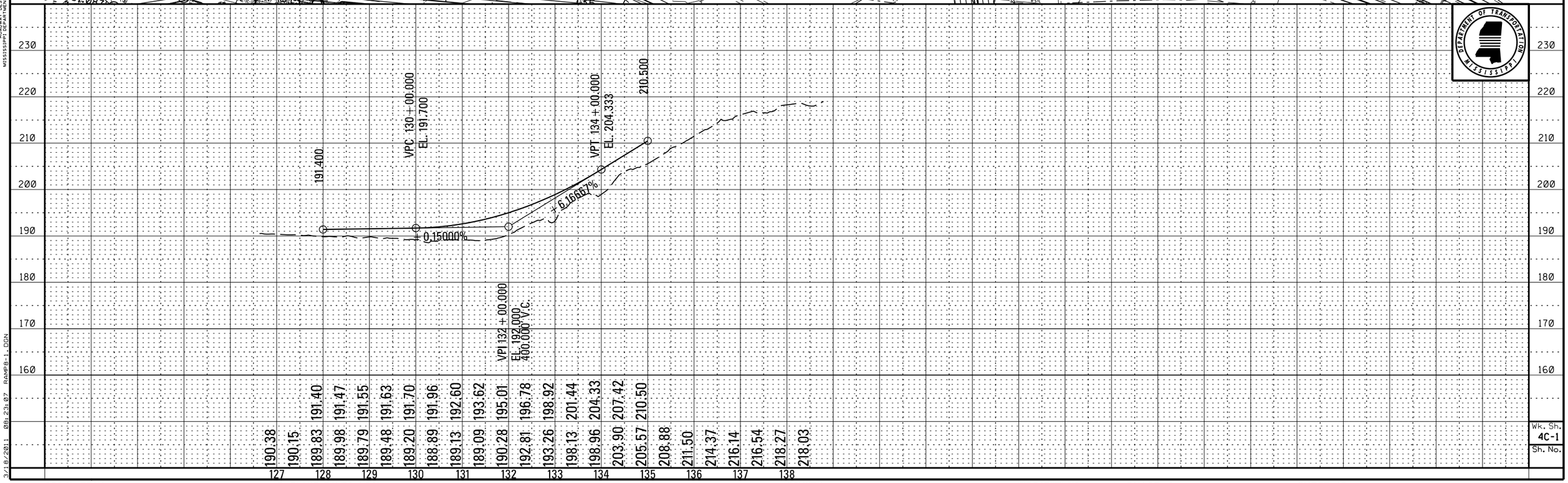
Curve RP8-2
Δ = 7° 54′ 51.373″ (LT)
D = 2° 00′ 41.589″
L = 393.441′
T = 197.034′
R = 2,848.336′
BK N 35° 08′ 33.142″ E
AH N 27° 13′ 41.769″ E
PC 125+99.610
PT 129+93.051

Curve RP8-3
Δ = 27° 05′ 35.811″ (LT)
D = 3° 56′ 16.226″
L = 688.024′
T = 350.569′
R = 1,455.005′
BK N 27° 13′ 41.769″ E
AH N 0° 08′ 05.958″ E
PC 129+93.051
PT 136+81.075

Curve RP8-4
Δ = 17° 20′ 43.247″ (RT)
D = 6° 14′ 14.614″
L = 278.086′
T = 140.115′
R = 918.585′
BK N 0° 08′ 05.958″ E
AH N 17° 28′ 49.205″ E
PC 136+81.075
PT 139+59.161

Curve RP10-1
Δ = 47° 36′ 41.305″ (RT)
D = 7° 59′ 59.889″
L = 468.062′
R = 716.200′
PC N 54° 28′ 55.49 205″ E
PT 165+20.159





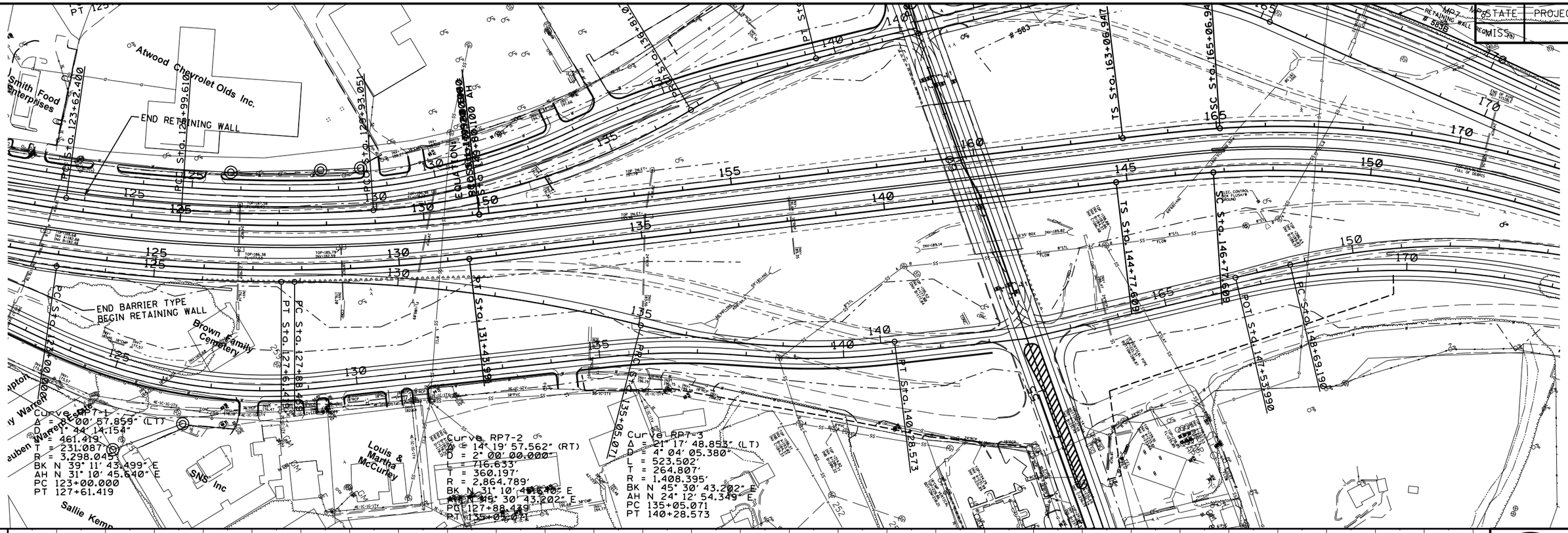
Wk. Sh. 4C-1
Sh. No.

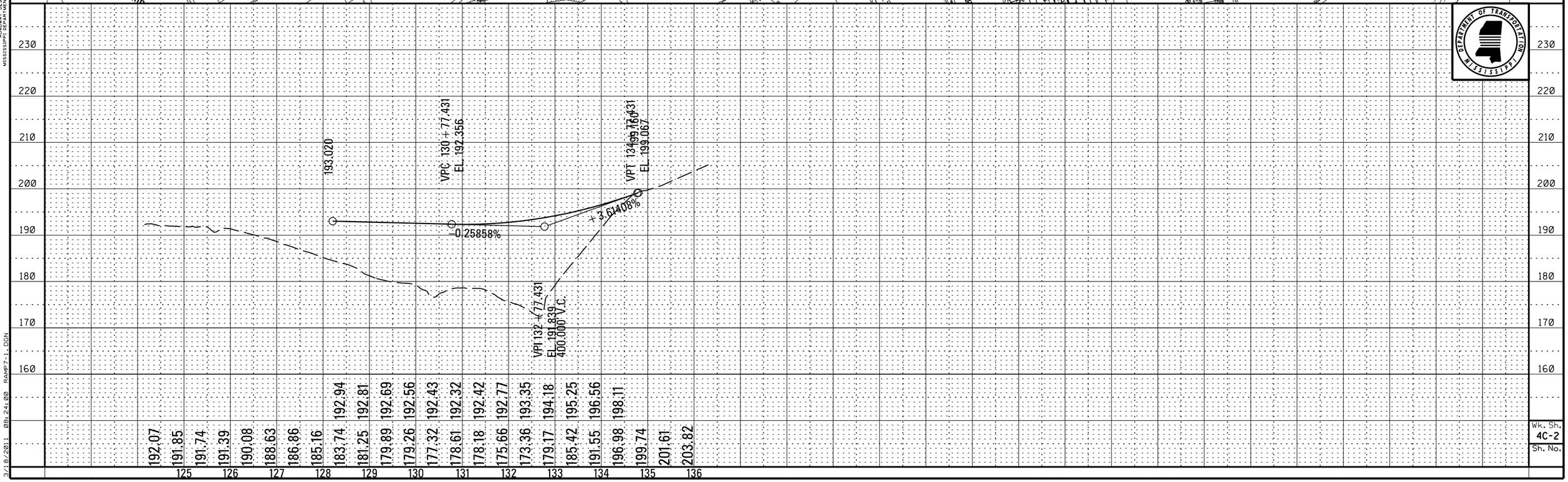
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/18/2011 08:23:07 RAMP8-1.DGN

DESIGN TEAM: FILENAME: RAMP8-1.DGN COUNTY: PROJECT NO. : 4 PHASE C SHEET ID:

STATE | PROJECT NO.
MISS





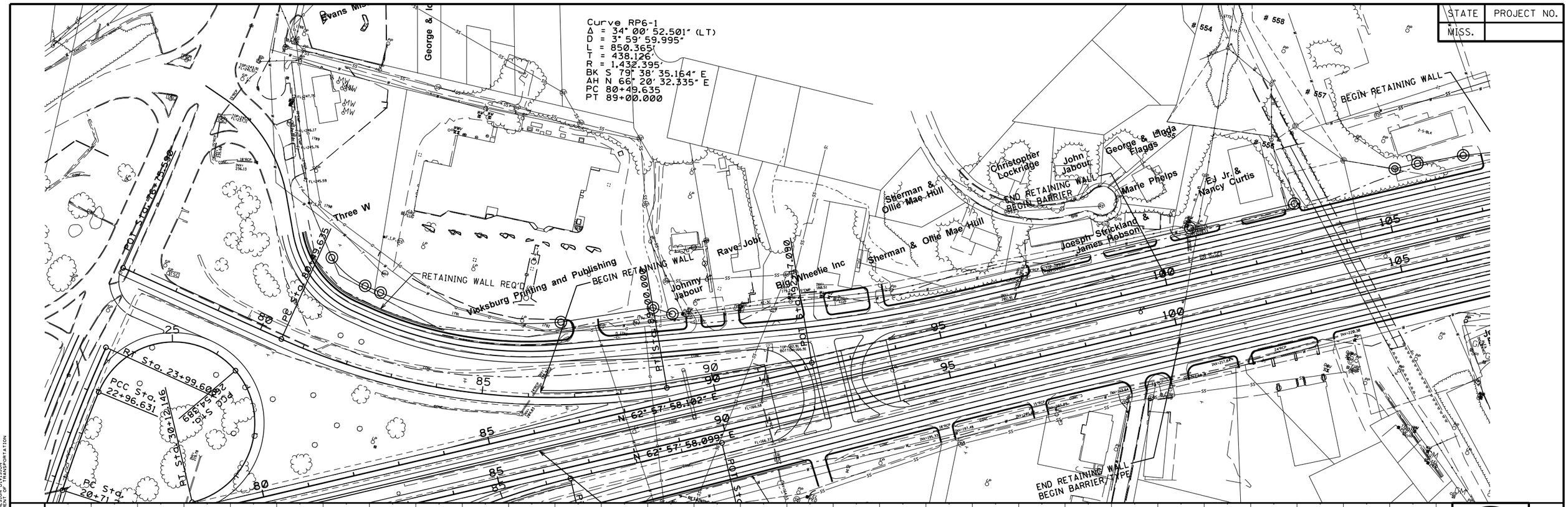
Wk. Sh. 4C-2
Sh. No.

PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/18/2011 08:24:00 RAMP7-1.DGN

DESIGN TEAM: | FILENAME: RAMP7-1.DGN | COUNTY: | PROJECT NO. : 4 PHASE C | SHEET ID:

STATE	PROJECT NO.
MISS.	



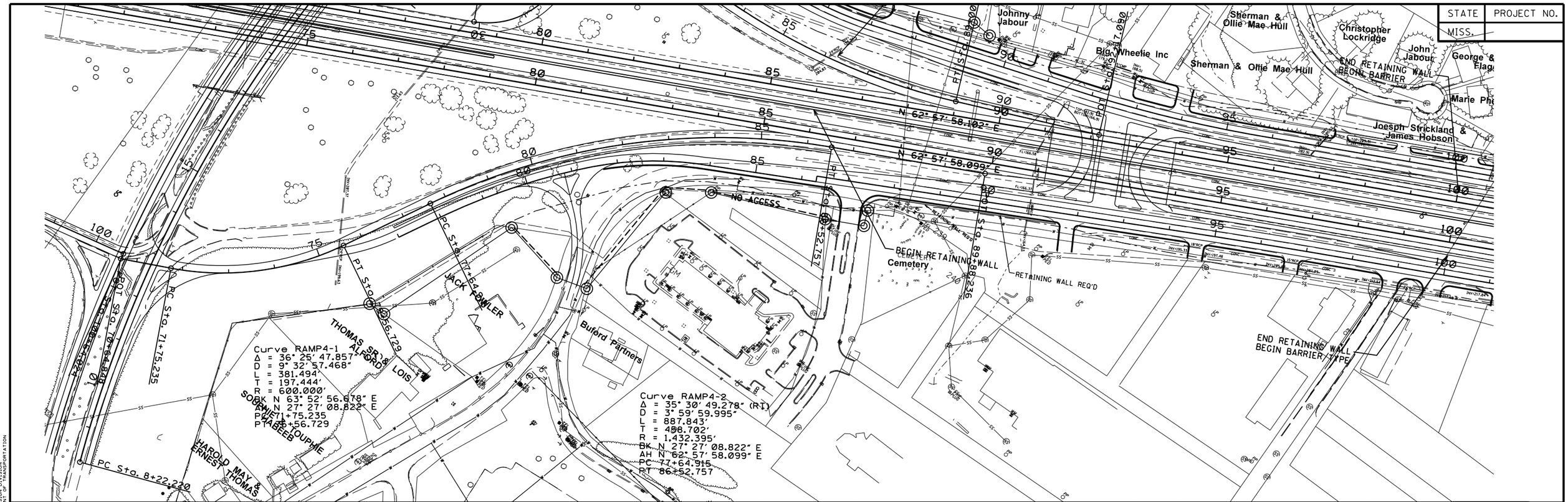
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

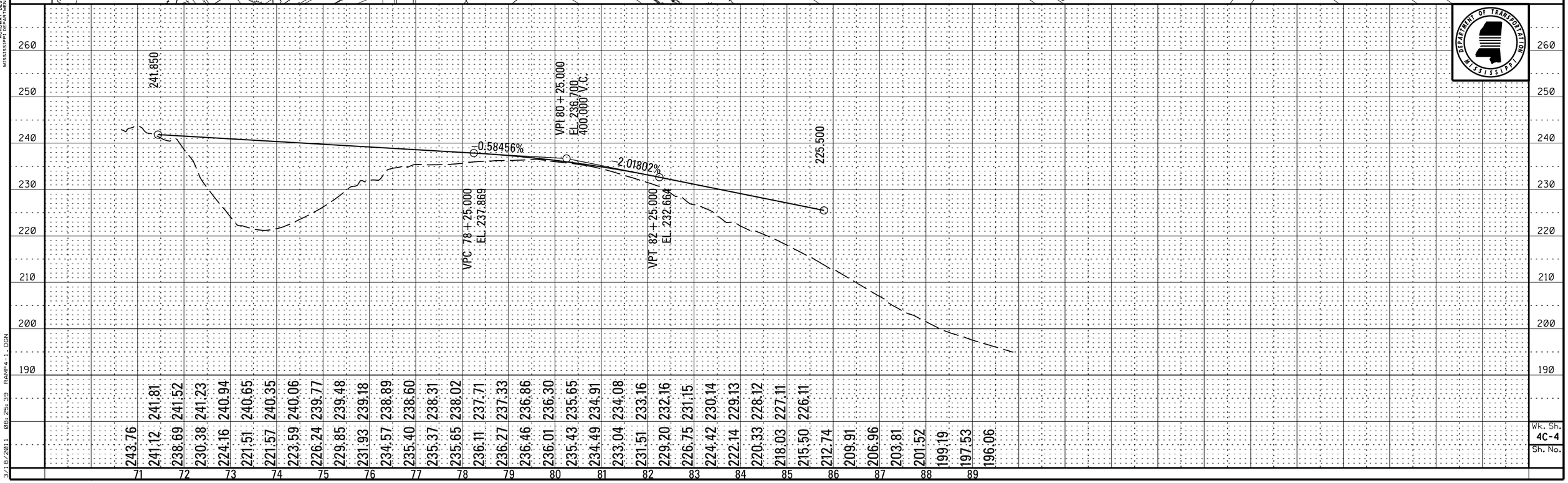
3/18/2011 08:24:45 RAMP6-1.DGN

Wk. Sh. 4C-3
Sh. No.

DESIGN TEAM: FILENAME: RAMP6-1.DGN COUNTY: PROJECT NO. : 4 PHASE C SHEET ID:

STATE	PROJECT NO.
MISS.	





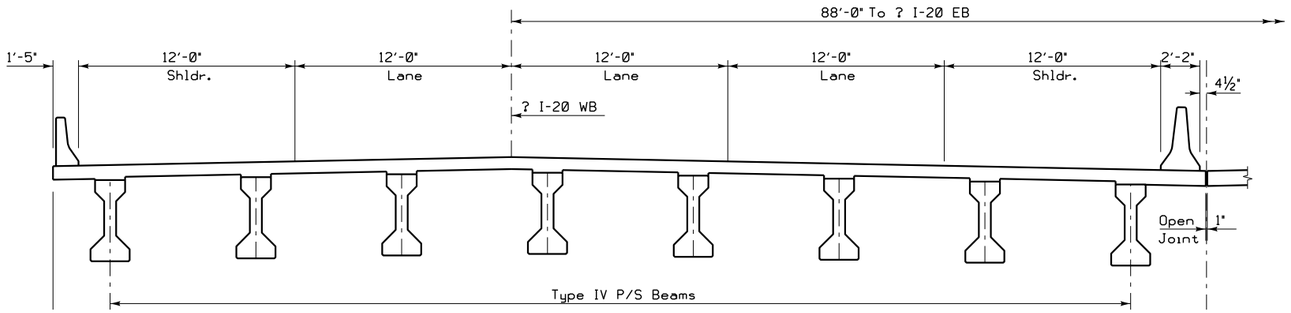
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/18/2011 08:25:39 RAMP4-1.DGN

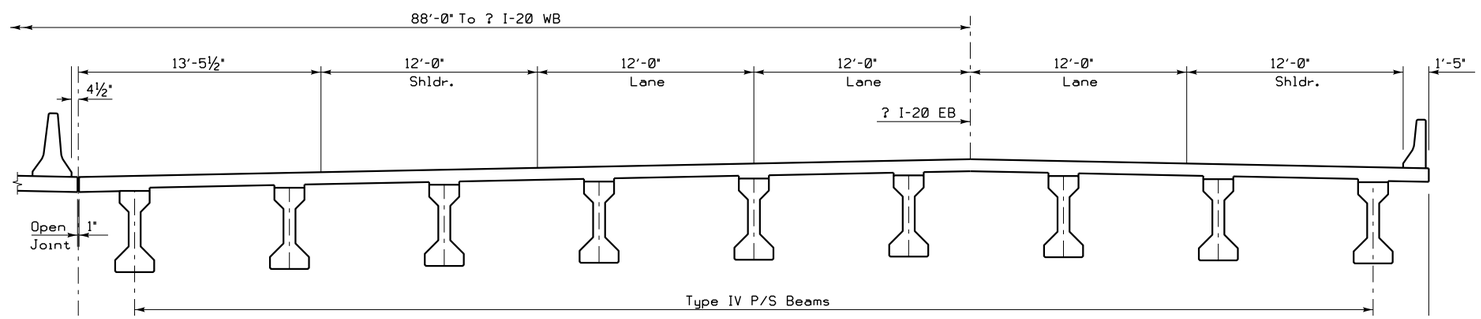
Wk. Sh. 4C-4
Sh. No.

DESIGN TEAM: FILENAME: RAMP4-1.DGN COUNTY: PROJECT NO. : 4 PHASE C SHEET ID:

STATE	PROJECT NO.
MISS.	



I-20 WESTBOUND OVER WEST TURNAROUND



I-20 EASTBOUND OVER WEST TURNAROUND

FILE: $FILE$
DATE: $DATE$
TIME: $TIME$
USER: $USER$

NEEL-SCHAFFER
Solutions you can build upon

PRELIMINARY
NOT FOR
CONSTRUCTION
DATE: _____

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
I-20 VICKSBURG

I-20 EB & WB OVER WEST TURNAROUND

DESIGNED _____ DETAILED _____ TRACED CADD
CHECKED _____ ISSUED _____ DATE _____

WORKING NUMBER
BTS4-1
SHEET NUMBER

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 4 PHASE A) (4 TEMP. CONNS. BETWEEN I-20 & FR. RDS.)

County: WARREN

Lettingday: 06/30/2023

Scope of Work:

Rural/Urban: Urban

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.95

Grading Cost Per Mile: $900,000

Paving Cost Per Mile: $2,690,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.95	x	$900,000	x	115%	$983,250
Paving Cost:	0.95		$2,690,000	x	115%	$2,938,825
Bridge cost:	0	x	$0.00	x	115%	$0
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)		x		x	115%	$0
					Total Estimate:	**$3,922,075**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Anticipating a 3% inflation factor per year, the estimated construction cost is $5,900,000
(Includes Engineering and contingencies)

Remarks:

Est. Equivalency to Major Widening for Interstate Detour for extended time and extensive traffic control.

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 4 PHASE A (CONNS.)

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 4 PHASE B) (I-20 M.L. STA 80+00 TO 133+00)

County: WARREN

Lettingday: 06/30/2023

Scope of Work:

Rural/Urban: Urban

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.95

Grading Cost Per Mile: $1,910,000

Paving Cost Per Mile: $3,470,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.95	x	$1,910,000	x	115%	$2,086,675
Paving Cost:	0.95		$3,470,000	x	115%	$3,790,975
Bridge cost:	38,456	x	$85.00	x	115%	$3,759,074
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)	1.00	x	$3,667,000.00	x	115%	$4,217,050
					Total Estimate:	**$13,853,774**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

2 Retaining Walls: Between I-20 & Both FR. RDS (86+00 to 100+00) & Rt of I-20 EB (120+00 to 127+00)

Anticipating a 3% inflation factor per year, the estimated construction cost is $20,800,000
(Includes Engineering and contingencies)

Remarks:

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 4 PHASE B (MAINLINE 80+00 TO 133+00)

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 4 PHASE C) (RAMPS 4,6,7,&8)

County: WARREN

Lettingday: 06/30/2023

Scope of Work:

Rural/Urban: Rural

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.10

Grading Cost Per Mile: $530,000

Paving Cost Per Mile: $490,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.10	x	$530,000	x	115%	$60,950
Paving Cost:	0.10		$490,000	x	115%	$56,350
Bridge cost:	0	x	$0.00	x	115%	$0
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$2,930,000	x	115%	$3,369,500
Interchange Lighting Cost:			$380,000	x	115%	$437,000
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)		x		x	115%	$0
					Total Estimate:	**$3,923,800**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Anticipating a 3% inflation factor per year, the estimated construction cost is $5,900,000
(Includes Engineering and contingencies)

Remarks:

Est. as 1/2 Diamond for 4 interchange ramps. Include lighting for 1 Diamond Interchange.

Prepared By: Aubrey Kopf — **Signature**; Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 4 PHASE C (RAMPS 4,6,7,8)

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 4 MISC.)

County: WARREN

Lettingday: 06/30/2023

Scope of Work:

Rural/Urban: Rural

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.00

Grading Cost Per Mile: $0

Paving Cost Per Mile: $0 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.00	x	$0	x	115%	$0
Paving Cost:	0.00		$0	x	115%	$0
Bridge cost:	0	x	$0.00	x	115%	$0
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)	1.00	x	$1,586,593.00	x	115%	$1,824,582
					Total Estimate:	**$1,824,582**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

.Lighting -0.5($380,000) + 0.5($380,000) = $380,000: Signals -(5)@$150,000 = $750,000: Signing- (2%) of $22,829,649=$456,593: Total Misc.=$1,586,593

Anticipating a 3% inflation factor per year, the estimated construction cost is $2,700,000
(Includes Engineering and contingencies)

Remarks:

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 4 MISC

Alternative B

Possible Project 5

Typical Section Sheets,
Construction Phasing Sheets,
Plan Profile Sheets and
Construction Cost Estimate Sheets

P.E.

FED. ROAD REG. NO.	STATE	PROJECT NO.	SHEET NO.
4	MISS.		1

GENERAL INDEX

FOR DETAILED INDEX OF PLANS SEE SHEET NO. 2

DESCRIPTION	NUMBER OF SHEETS
TITLE SHEET	1
DETAILED INDEX	
GENERAL NOTES	
TYPICAL SECTIONS	
QUANTITIES	
PLAN AND PROFILES	
SPECIAL DESIGN – ROADWAY ITEMS	
BRIDGE DRAWINGS	
SPECIAL DESIGN – BRIDGES	
CROSS-SECTIONS	
TOTAL SHEETS	

STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

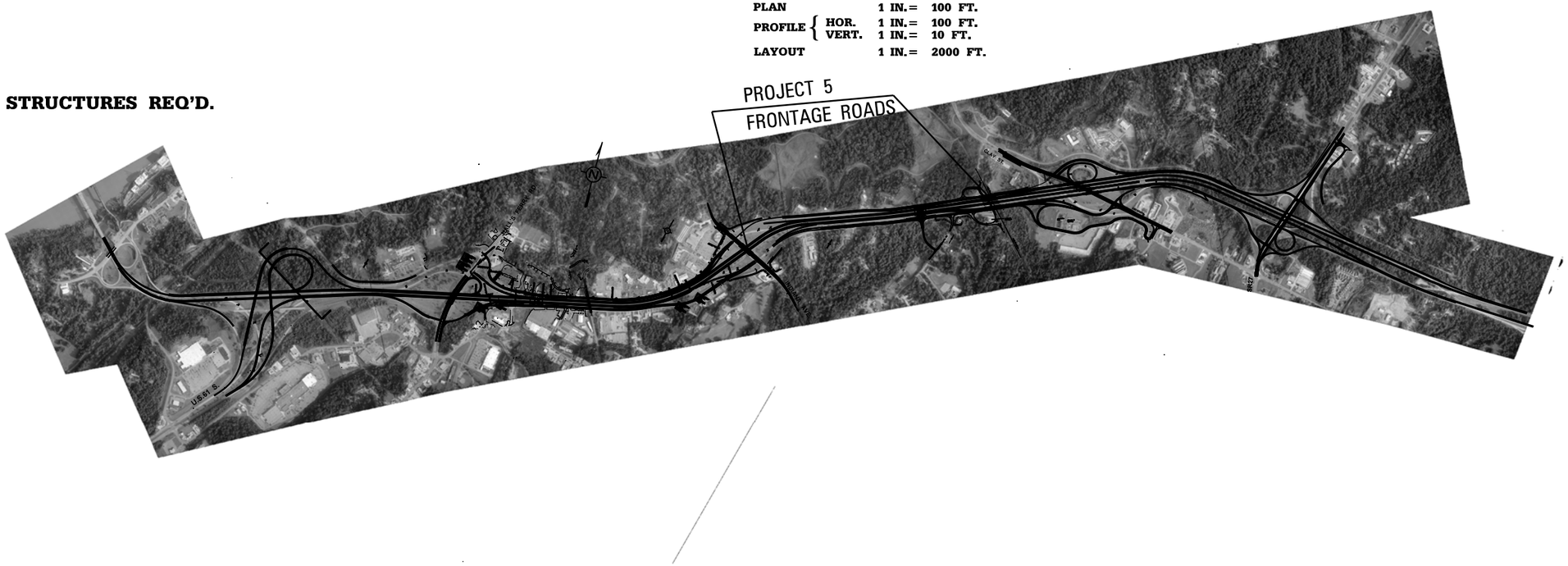
PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

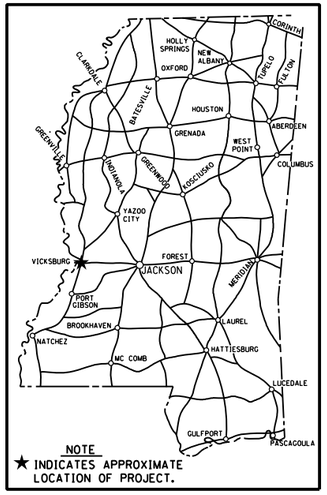
FEDERAL AID PROJECT NO. IMD-0020-01(181) 100367/002000

ALTERNATIVE B, PROJECT 5

SCALES

PLAN		1 IN. = 100 FT.
PROFILE	HOR.	1 IN. = 100 FT.
	VERT.	1 IN. = 10 FT.
LAYOUT		1 IN. = 2000 FT.





NOTE
★ INDICATES APPROXIMATE LOCATION OF PROJECT.

BRIDGE STRUCTURES REQ'D.

DESIGN CONTROL
_____ MPH = V (SPEED DESIGN)
ADT (____) = _____ : ADT (____) = _____
DHV = _____ : D = _____% T = _____%

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

	WATERS	WETLANDS
NATIONWIDE #14	☐	☐
NATIONWIDE (OTHER)*	☐	☐
GENERAL*	☐	☐
INDIVIDUAL (404)*	☐	☐

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

STORMWATER PERMIT ☐

Y	REQUIRED, CNOI SUBMITTED BY MDOT (DISTRIBUTED AREA≥5 ACRES+XNTB 6484)
S	REQUIRED, SCNOI TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES)NTB 6483)
N	NO STORMWATER PERMIT REQUIRED (<1 ACRE)

APPROVED BY: _____ DATE: _____

CONVENTIONAL SYMBOLS

COUNTY LINE
TOWN CORPORATION LINE
SECTION LINE
EXISTING ROAD OR TRAVELED WAY
PROPOSED ROAD OR TRAVELED WAY
RAILROAD
SURVEY LINE
BRIDGES

EQUATIONS

EXCEPTIONS

LENGTH DATA

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

REVISIONS	BY	DATE

APPROVED:
CHIEF ENGINEER — DATE
EXECUTIVE DIRECTOR — DATE
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

APPROVED:
DIVISION ADMINISTRATOR — DATE
FEDERAL HIGHWAY ADMINISTRATION
DEPARTMENT OF TRANSPORTATION

TITLE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/6/2012 14:10:58 TITLE ALTERNATIVE B-5.DGN

STATE	PROJECT NO.
MISS.	

DESCRIPTION OF SHEET	WKG. NO.	SH. NO.
TITLE SHEET (1)		
DETAIL INDEX (1)		
DETAILED INDEX	*DI5-1*	
TYPICAL SECTIONS (2)		
-S. FRONTAGE RD. BETWEEN INDIANA AVE. AND OLD HWY27	*TS5-1*	
-N. FRONTAGE RD. BETWEEN INDIANA AVE. AND OLD HWY27, & CONNECTOR RD.-N. FR. RD. TO OLD HWY27	*TS5-2*	
CONSTRUCTION PLAN (3)		
PROJECT 5 - PHASE A		
PROJECT 5 - PHASE B (2 SHEETS)		
PLAN-PROFILE SHEETS (4)		
PROJECT 5 - PHASE A (2 SHEETS)	*5A-1, -2*	
PROJECT 5 - PHASE B (2 SHEETS)	*5B-1, -2*	

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

4/9/2012 14:05:00 INDEX.DGN

REVISION	BY	DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

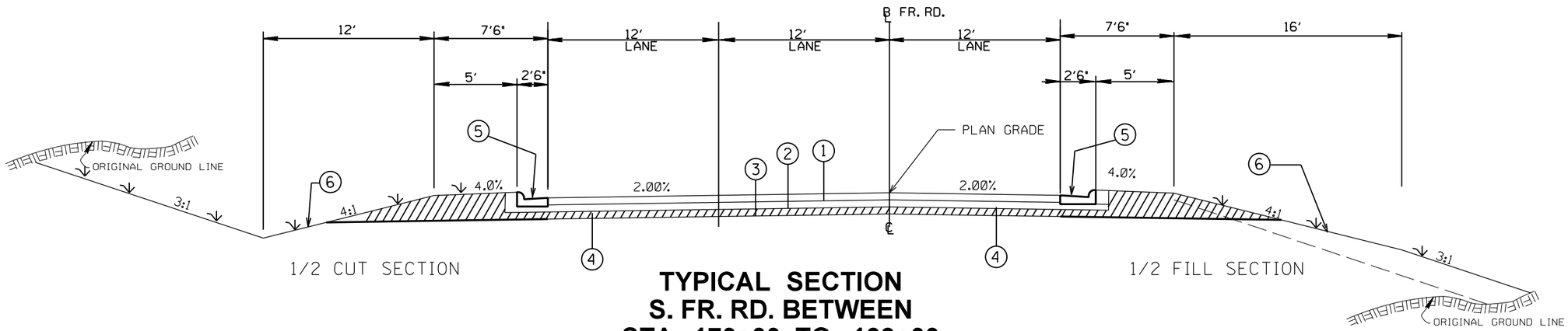
Detailed Index

ALTERNATIVE 3
PROJECT 5

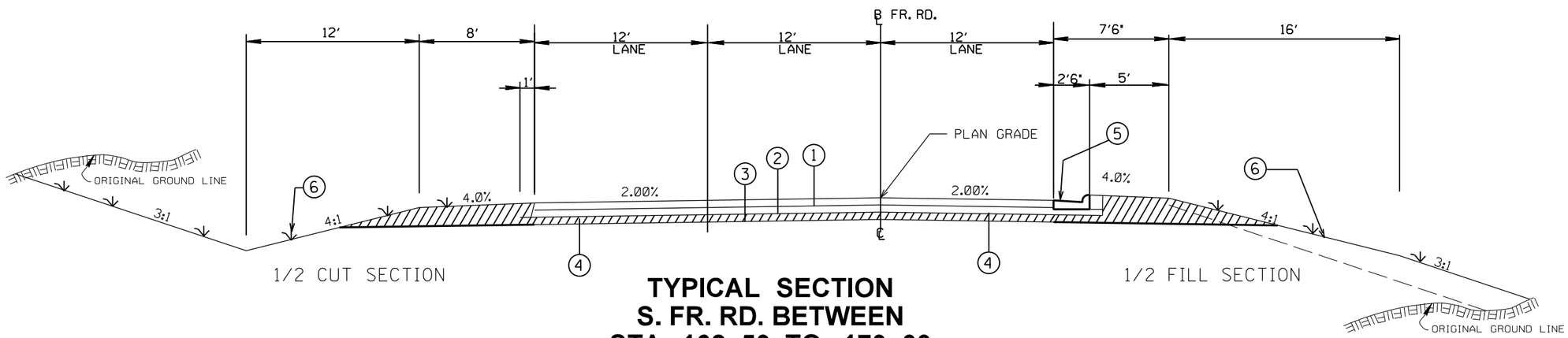
WORKING NUMBER
DI5-1
SHEET NUMBER

FILENAME: INDEX.DGN
DESIGN TEAM _____ CHECKED _____ DATE _____

STATE	PROJECT NO.
MISS.	



TYPICAL SECTION
S. FR. RD. BETWEEN
STA 170+00 TO 199+00



TYPICAL SECTION
S. FR. RD. BETWEEN
STA 162+50 TO 170+00

1. _" HOT BITUMINOUS PAVEMENT (_ SURFACE COURSE AND _ BINDER COURSE) REQ'D.
2. _" PLANT MIX BITUMINOUS BASE COURSE REQ'D.
3. _" AND VARIABLE DEPTH GRANULAR MATERIAL (CLASS 3, GROUP B) REQ'D.
4. PRIME COAT (MAY BE DELETED WHEN PERMITTED BY THE ENGINEER)
5. COMBINATION CONCRETE CURB AND GUTTER (TYPE 3 MOD.) REQ'D.
6. INDICATES AREAS TO BE TREATED IN ACCORDANCE WITH THE VEGETATION SCHEDULE (SEE WK. SH. NO. VS-1)

$FILE$

$DATE$

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

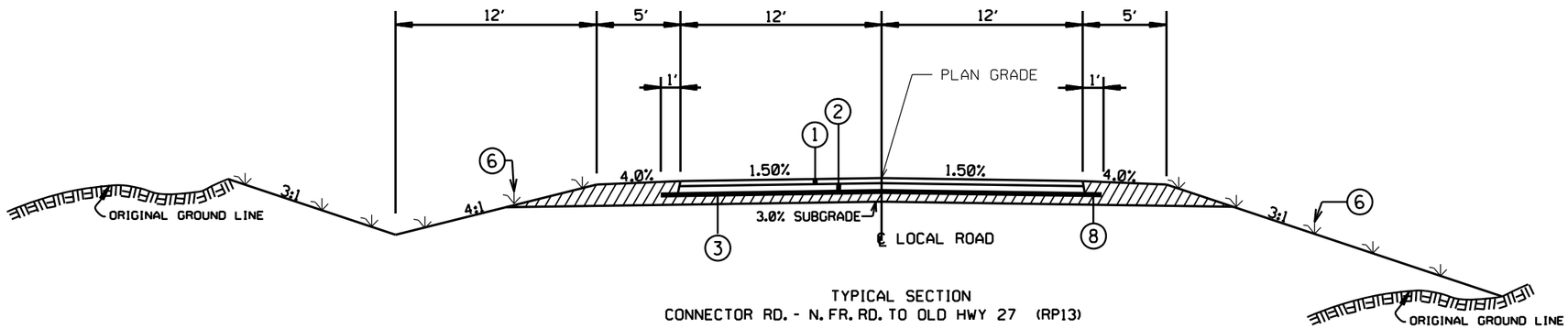
TYPICAL SECTION
SOUTH FRONTAGE RD.
(BETWEEN INDIANA AVE.
& OLD HWY 27)

PROJECT NO.
COUNTY:
FILENAME:
DESIGN TEAM_____ CHECKED_____ DATE_____

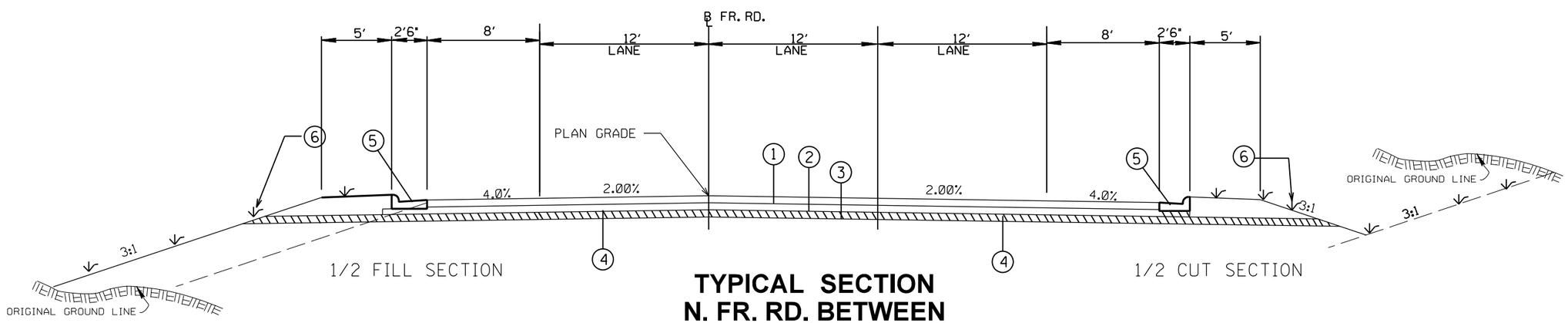
WORKING NUMBER
TS5-1
SHEET NUMBER

COUNTY:
DESIGN TEAM: NEEL-SCHAFFER
PROJECT NO.: 5 PHASE A
FILENAME:

STATE	PROJECT NO.
MISS.	



TYPICAL SECTION
CONNECTOR RD. - N. FR. RD. TO OLD HWY 27 (RP13)



TYPICAL SECTION
N. FR. RD. BETWEEN
INDIANA AVE. & OLD HWY 27

1. _" HOT BITUMINOUS PAVEMENT (_" SURFACE COURSE AND _" BINDER COURSE) REQ'D.
2. _" PLANT MIX BITUMINOUS BASE COURSE REQ'D.
3. _" AND VARIABLE DEPTH GRANULAR MATERIAL (CLASS 3, GROUP B) REQ'D.
4. PRIME COAT (MAY BE DELETED WHEN PERMITTED BY THE ENGINEER)
5. COMBINATION CONCRETE CURB AND GUTTER (TYPE 3 MOD.) REQ'D.
6. INDICATES AREAS TO BE TREATED IN ACCORDANCE WITH THE VEGETATION SCHEDULE (SEE WK. SH. NO. VS-1)

$FILES

$DATES

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

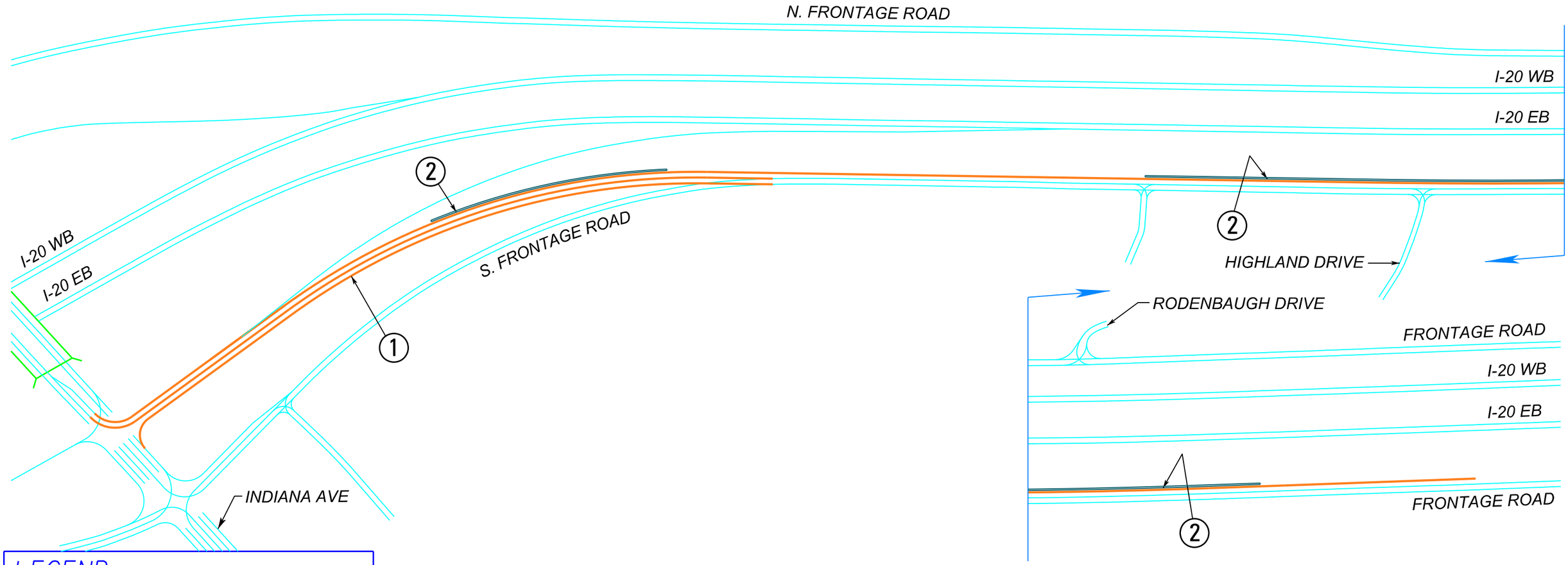
TYPICAL SECTION
NORTH FRONTAGE RD.
BETWEEN INDIANA AVE.
& OLD HWY. 27
CONN. RD.- N. FR. RD. TO OLD HWY27 (RP13)

PROJECT NO.
COUNTY:
FILENAME:
DESIGN TEAM_____ CHECKED_____ DATE_____

WORKING NUMBER
TS5-2
SHEET NUMBER

COUNTY:
DESIGN TEAM: NEEL-SCHAFFER
PROJECT NO.: 5 PHASE B
FILENAME:

STATE	PROJECT NO.
MISS.	



LEGEND

- WORK UNDER CONSTRUCTION
- WIDEN BRIDGES
- NEW BRIDGE CONSTRUCTION
- EXISTING BRIDGE
- COMPLETED BRIDGE
- EXISTING LANES
- OVERLAY
- COMPLETED ROADWAY (NOT OPEN TO TRAFFIC)
- REMOVE DETOUR CONNECTING RD
- CONCRETE MEDIAN BARRIER

NARRATIVE

PROJECT 5
PHASE A

1. CONSTRUCT S. FRONTAGE ROAD TO MEET 50 MPH DESIGN SPEED CRITERIA. WIDEN TO THREE LANES.
2. USE 2:1 SLOPES ON THE LEFT WHEN NECESSARY TO KEEP SLOPES OFF THE EXISTING I-20 MAINLINE ROADWAY. A TEMPORARY CONCRETE MEDIAN BARRIER WILL BE PLACED ON THE FRONTAGE ROAD SHOULDER AT THOSE LOCATIONS.
3. DETOURS OR ROAD CLOSURES MAY BE REQUIRED AS NECESSARY.

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 5
PHASE A

WORKING NUMBER

SHEET NUMBER

FILENAME: PROJ5 PHA.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

2/18/2011 13:19:41 PROJ5 PHA.DGN
PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

STATE	PROJECT NO.
MISS.	

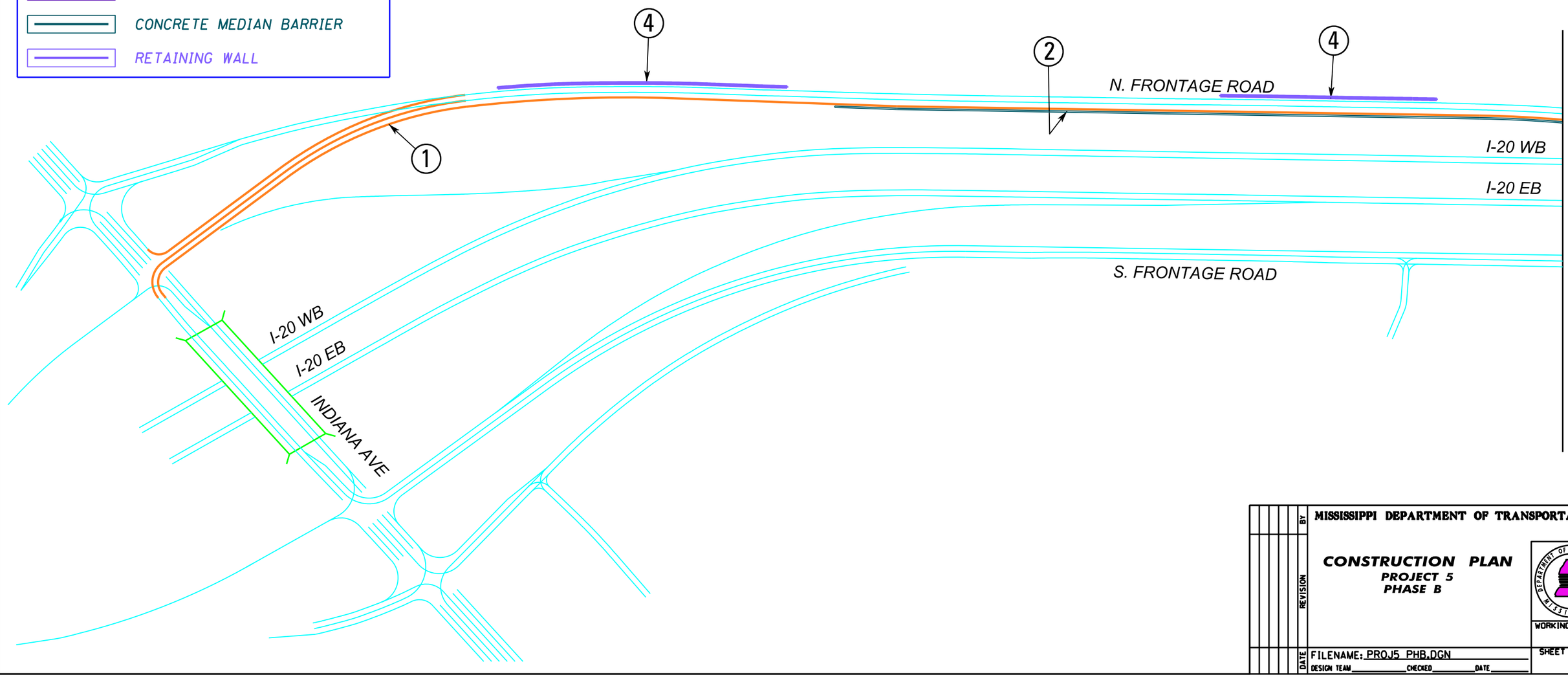
LEGEND

- WORK UNDER CONSTRUCTION
- WIDEN BRIDGES
- NEW BRIDGE CONSTRUCTION
- EXISTING BRIDGE
- COMPLETED BRIDGE
- EXISTING LANES
- OVERLAY
- COMPLETED ROADWAY (NOT OPEN TO TRAFFIC)
- REMOVE DETOUR CONNECTING RD
- CONCRETE MEDIAN BARRIER
- RETAINING WALL

NARRATIVE

PROJECT 5
PHASE B

1. CONSTRUCT N. FRONTAGE ROAD TO MEET 50 MPH DESIGN SPEED CRITERIA. WIDEN TO THREE LANES.
2. USE 2:1 SLOPES ON THE RIGHT WHEN NECESSARY TO KEEP SLOPES OFF THE EXISTING I-20 MAINLINE ROADWAY. A TEMPORARY CONCRETE MEDIAN BARRIER WILL BE PLACED ON THE FRONTAGE ROAD SHOULDER AT THOSE LOCATIONS.
3. DETOURS OR ROAD CLOSURES MAY BE REQUIRED AS NECESSARY.
4. RETAINING WALLS WILL BE REQUIRED ON THE LEFT AT STA. 166+00 TO STA. 172+00, STA. 181+00 TO STA. 185+50 AND STA. 195+00 TO STA. 200+00.
5. CONSTRUCT A CONNECTING ROAD AT STA. 209+50 TO OLD HWY 27.



SEE MATCH LINE WK. NO. 1 OF 2

REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 5
PHASE B

WORKING NUMBER

SHEET NUMBER

DATE | FILENAME: PROJ5 PHB.DGN
DESIGN TEAM _____ CHECKED _____ DATE _____

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
2/18/2011 13:25:17 PROJ5 PHB.DGN

STATE	PROJECT NO.
MISS.	

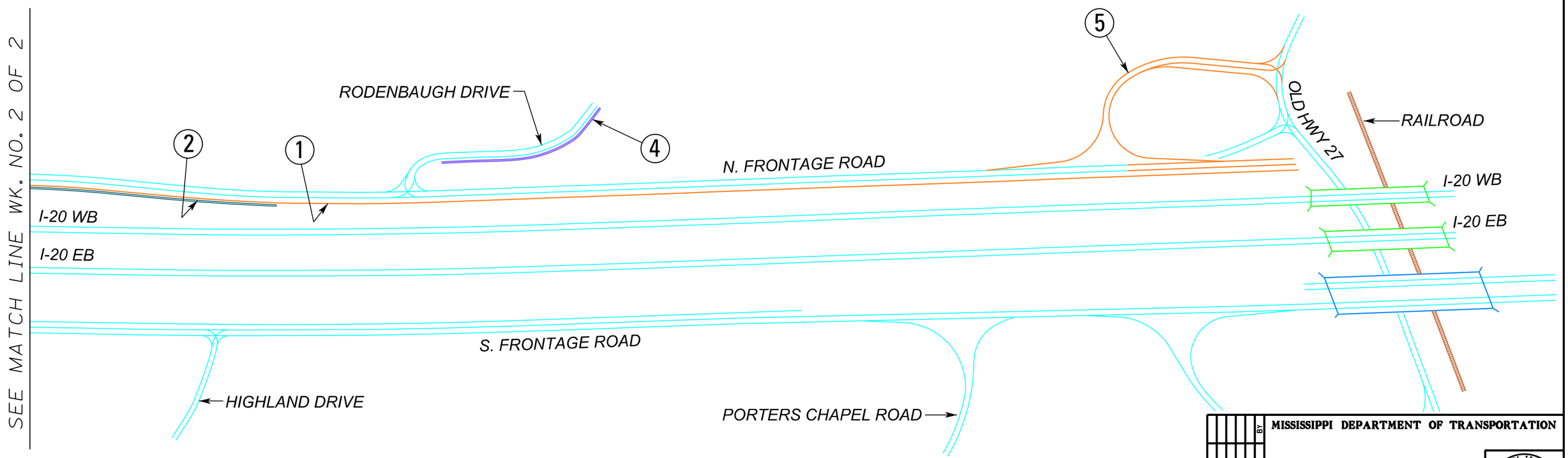
LEGEND

- WORK UNDER CONSTRUCTION
- WIDEN BRIDGES
- NEW BRIDGE CONSTRUCTION
- EXISTING BRIDGE
- COMPLETED BRIDGE
- EXISTING LANES
- OVERLAY
- COMPLETED ROADWAY (NOT OPEN TO TRAFFIC)
- REMOVE DETOUR CONNECTING RD
- CONCRETE MEDIAN BARRIER
- RETAINING WALL

NARRATIVE

PROJECT 5
PHASE B

1. CONSTRUCT N. FRONTAGE ROAD TO MEET 50 MPH DESIGN SPEED CRITERIA. WIDEN TO THREE LANES.
2. USE 2:1 SLOPES ON THE RIGHT WHEN NECESSARY TO KEEP SLOPES OFF THE EXISTING I-20 MAINLINE ROADWAY. A TEMPORARY CONCRETE MEDIAN BARRIER WILL BE PLACED ON THE FRONTAGE ROAD SHOULDER AT THOSE LOCATIONS.
3. DETOURS OR ROAD CLOSURES MAY BE REQUIRED AS NECESSARY.
4. RETAINING WALLS WILL BE REQUIRED ON THE LEFT AT STA. 166+00 TO STA. 172+00, STA. 181+00 TO STA. 185+50 AND STA. 195+00 TO STA. 200+00.
5. CONSTRUCT A CONNECTING ROAD AT STA. 209+50 TO OLD HWY 27.



MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 5
PHASE B1

WORKING NUMBER

SHEET NUMBER

FILENAME: PROJ5 PHB.DGN

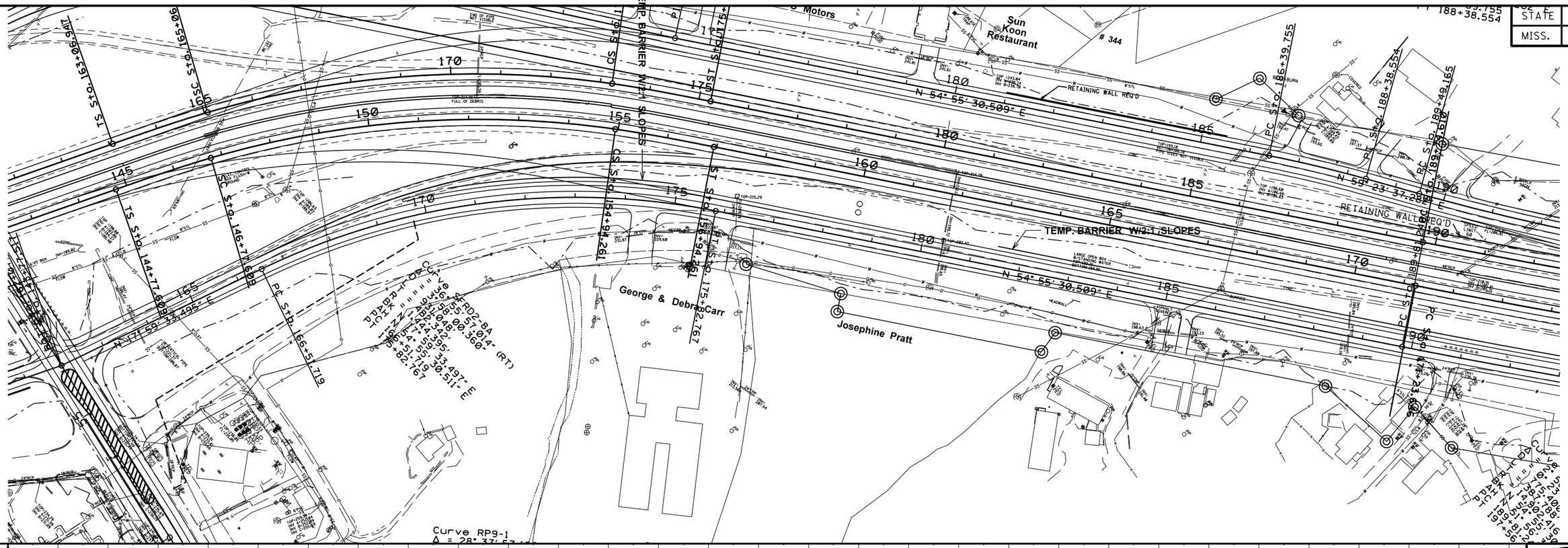
DESIGN TEAM _____ CHECKED _____ DATE _____

DATE	REVISION	BY

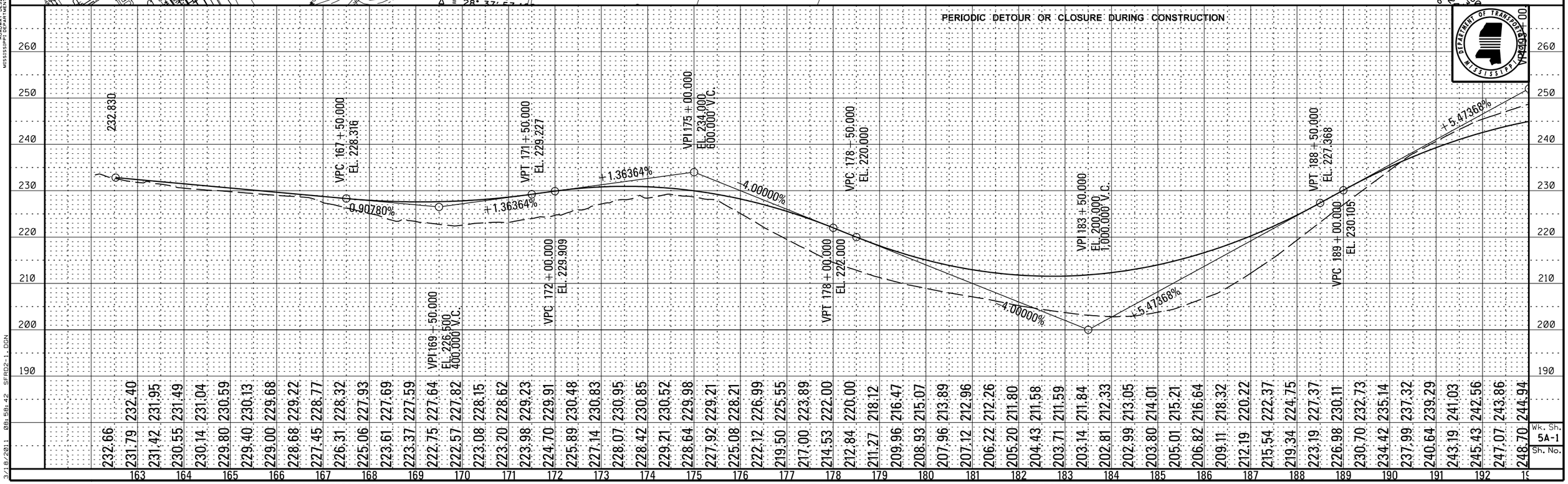
PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

MOODYY 00:00AMPM DGNFILENAME

STATE	PROJECT NO.
MISS.	



PERIODIC DETOUR OR CLOSURE DURING CONSTRUCTION



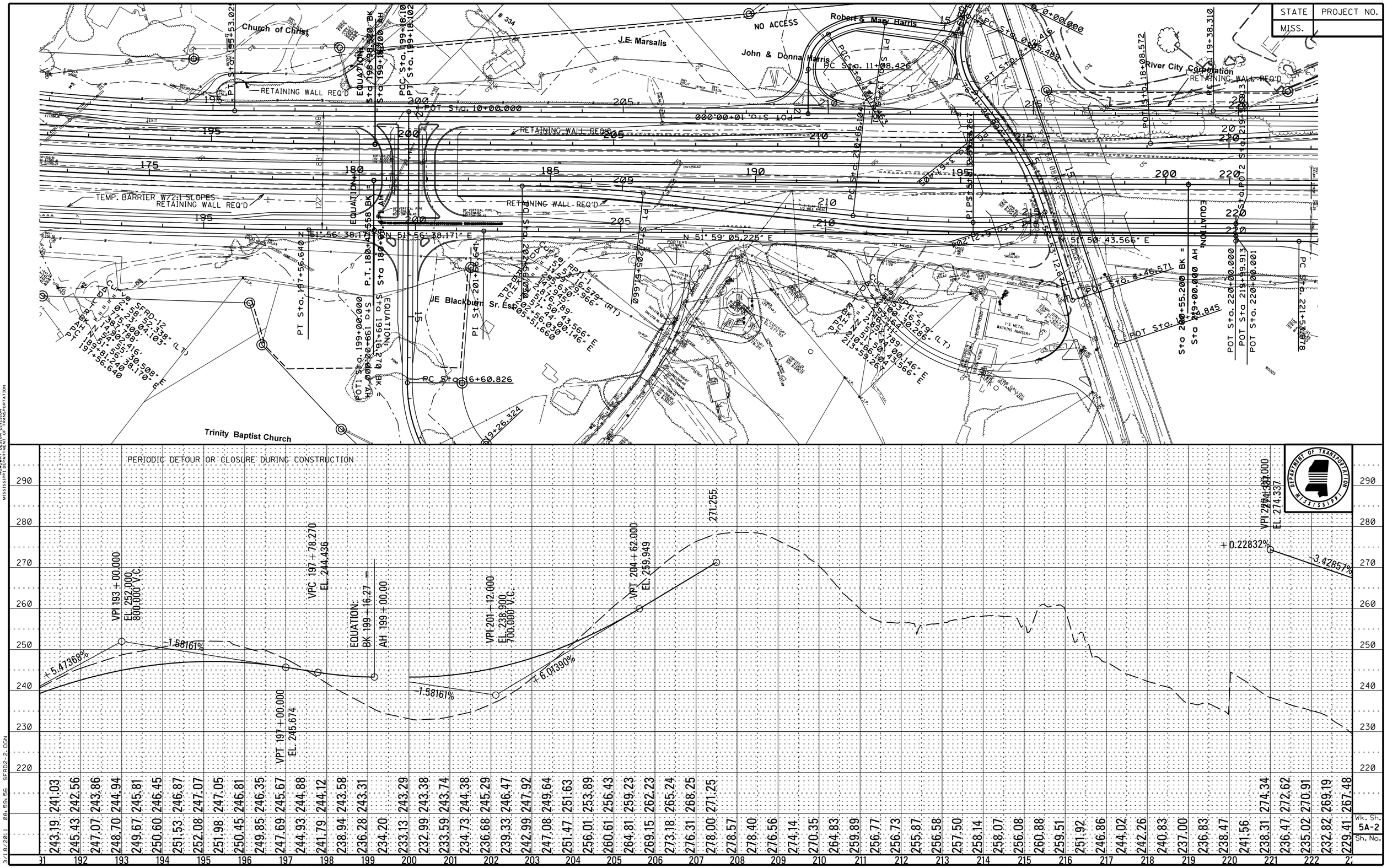
Wk. Sh. 5A-1
Sh. No.

PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

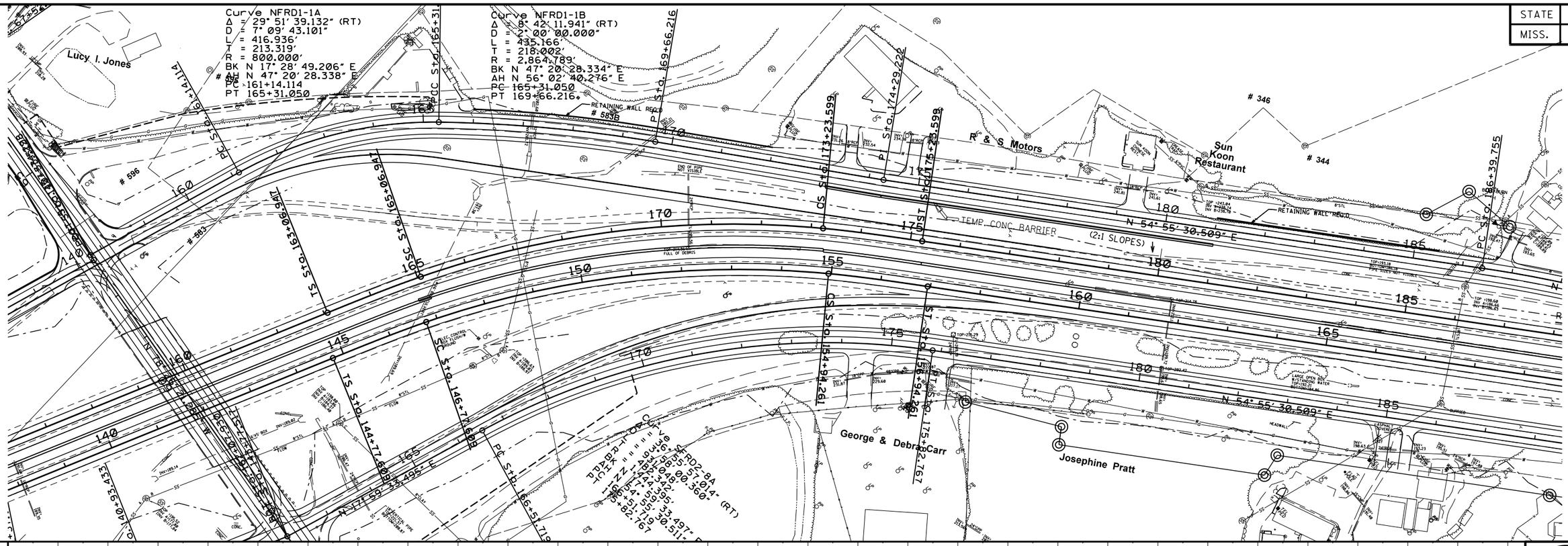
3/18/2011 08:58:42 SFRD2-1.DGN

DESIGN TEAM: FILENAME: SFRD2-1.DGN COUNTY: PROJECT NO. : 5 PHASE A SHEET ID:

STATE	PROJECT NO.
MISS.	



STATE	PROJECT NO.
MISS.	



PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

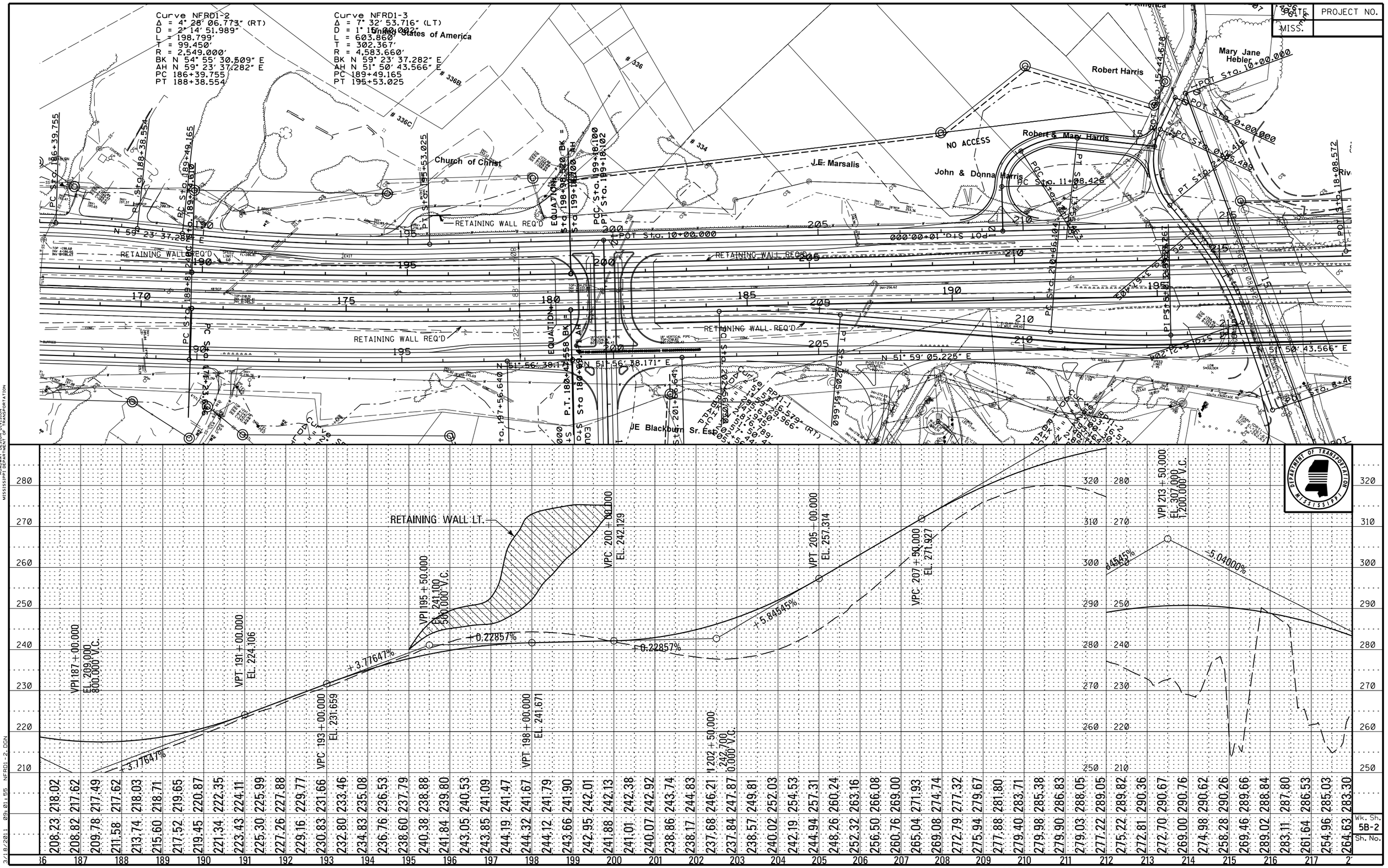
3/18/2011 09:01:08 NFRD1-1.DGN

Wk. Sh. 5B-1
Sh. No.

DESIGN TEAM: FILENAME: NFRD1-1.DGN COUNTY: PROJECT NO. : 5 PHASE B SHEET ID:

Curve NFRD1-2
Δ = 4° 28′ 06.773″ (RT)
D = 2° 14′ 51.989″
L = 198.799′
T = 99.450′
R = 2,549.000′
BK N 54° 55′ 30.509″ E
AH N 59° 23′ 37.282″ E
PC 186+39.755
PT 188+38.554

Curve NFRD1-3
Δ = 7° 32′ 53.716″ (LT)
D = 1° 15′ 00.002″
L = 603.860′
T = 302.367′
R = 4,583.660′
BK N 59° 23′ 37.282″ E
AH N 51° 50′ 43.566″ E
PC 189+49.165
PT 195+53.025



Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 5 PHASE A) (S. FR. RD.-163+00 TO 203+00)

County: WARREN

Lettingday: 06/30/2026

Scope of Work:

Rural/Urban: Urban

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.98

Grading Cost Per Mile: $1,920,000

Paving Cost Per Mile: $2,250,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.98	x	$1,920,000	x	115%	$2,163,840
Paving Cost:	0.98		$2,250,000	x	115%	$2,535,750
Bridge cost:	0	x	$0.00	x	115%	$0
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)		x		x	115%	$0
					Total Estimate:	**$4,699,590**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Anticipating a 3% inflation factor per year, the estimated construction cost is $7,700,000
(Includes Engineering and contingencies)

Remarks:

Used 4 Ln. New Location to compensate for 3 Ln C&G, storm sewer, and temporary barrier on shoulder for 2:1 slopes

Prepared By: Aubrey Kopf — Senior Certified Engineering Technician

Signature **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B PROJECT 5 PHASE A (S. FR. RD. -163+00 TO 203+00)

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 5 PHASE B) (N. FR. RD.-158+50 TO 213+00)

County: WARREN

Lettingday: 06/30/2026

Scope of Work:

Rural/Urban: Urban

Rolling/Flat:

Grading:

Paving:

Length in Miles: 1.03

Grading Cost Per Mile: $1,920,000

Paving Cost Per Mile: $2,250,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	1.03	x	$1,920,000	x	115%	$2,274,240
Paving Cost:	1.03		$2,250,000	x	115%	$2,665,125
Bridge cost:	0	x	$0.00	x	115%	$0
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)	1.00	x	$2,015,790.00	x	115%	$2,318,159
					Total Estimate:	**$7,257,524**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

3 Retaining Walls Lt. -166+00 to 172+00 & 181+00 to 185+00 & 195+00 to 200+00 = $267,780 + 693,010 + $1,055,000 = $2,015,790

Anticipating a 3% inflation factor per year, the estimated construction cost is $11,900,000
(Includes Engineering and contingencies)

Remarks:

Used 4 Ln. New Location to compensate for 3-Ln C&G, storm sewer, and temporary barrier on shoulder for 2:1 slopes

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 5 PHASE B (N. FR. RD. -158+50 TO 213+00)

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 5 MISC.)

County: WARREN

Lettingday: 06/30/2026

Scope of Work:

Rural/Urban: Rural

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.00

Grading Cost Per Mile: $0

Paving Cost Per Mile: $0 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.00	x	$0	x	115%	$0
Paving Cost:	0.00		$0	x	115%	$0
Bridge cost:	0	x	$0.00	x	115%	$0
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)	1.00	x	$119,571.00	x	115%	$137,507
					Total Estimate:	**$137,507**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

.Lighting -=$0 : Signals -=$0: Signing- (1%) of $11,957,114 = $119,571: Total Misc.=$119,571

Anticipating a 3% inflation factor per year, the estimated construction cost is $200,000
(Includes Engineering and contingencies)

Remarks:

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 5 MISC

Alternative B

Possible Project 6

Typical Section Sheets,
Construction Phasing Sheets,
Plan Profile Sheets and
Construction Cost Estimate Sheets

P.E.

FED. ROAD REG. NO.	STATE	PROJECT NO.	SHEET NO.
4	MISS.		1

GENERAL INDEX

FOR DETAILED INDEX OF PLANS SEE SHEET NO. 2

DESCRIPTION	NUMBER OF SHEETS
TITLE SHEET	1
DETAILED INDEX	
GENERAL NOTES	
TYPICAL SECTIONS	
QUANTITIES	
PLAN AND PROFILES	
SPECIAL DESIGN – ROADWAY ITEMS	
BRIDGE DRAWINGS	
SPECIAL DESIGN – BRIDGES	
CROSS-SECTIONS	
TOTAL SHEETS	

STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

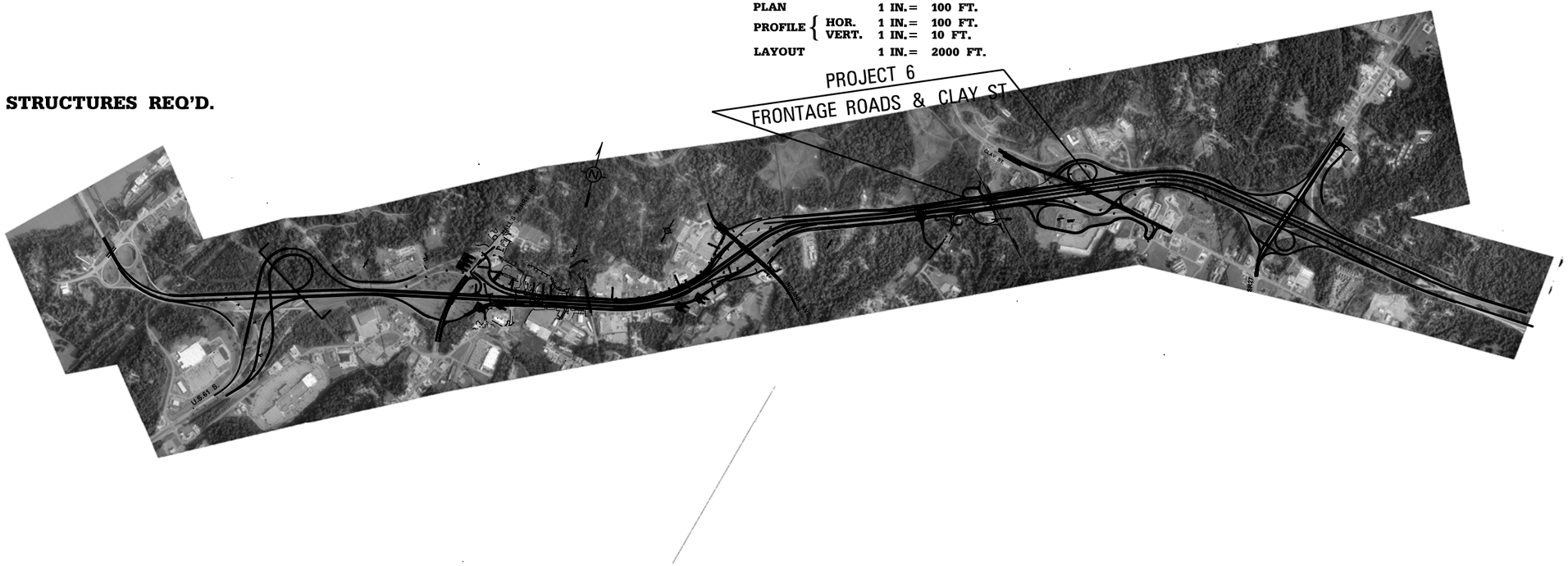
PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

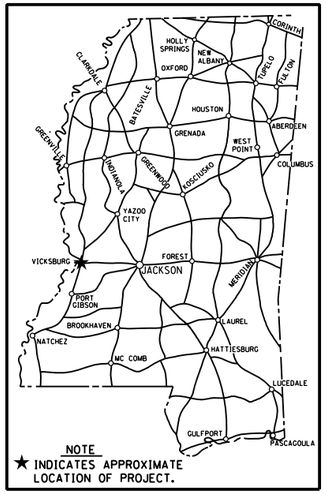
FEDERAL AID PROJECT NO. IMD-0020-01(181) 100367/002000

ALTERNATIVE B, PROJECT 6

SCALES

PLAN		1 IN. =	100 FT.
PROFILE	HOR.	1 IN. =	100 FT.
	VERT.	1 IN. =	10 FT.
LAYOUT		1 IN. =	2000 FT.





NOTE
★ INDICATES APPROXIMATE LOCATION OF PROJECT.

BRIDGE STRUCTURES REQ'D.

DESIGN CONTROL
_____ MPH = V (SPEED DESIGN)
ADT (____) = _____ : ADT (____) = _____
DHV = _____ : D = _____% T = _____%

PERMITS ACQUIRED BY MDOT

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

	WATERS	WETLANDS
NATIONWIDE #14	☐	☐
NATIONWIDE (OTHER)*	☐	☐
GENERAL*	☐	☐
INDIVIDUAL (404)*	☐	☐

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

STORMWATER PERMIT ☐

Y	REQUIRED, CNOI SUBMITTED BY MDOT (DISTRIBUTED AREA≥5 ACRES+XNTB 6484)
S	REQUIRED, SCNOI TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES)NTB 6483)
N	NO STORMWATER PERMIT REQUIRED (<1 ACRE)

APPROVED BY: _____ DATE: _____

CONVENTIONAL SYMBOLS

COUNTY LINE
TOWN CORPORATION LINE
SECTION LINE
EXISTING ROAD OR TRAVELED WAY
PROPOSED ROAD OR TRAVELED WAY
RAILROAD
SURVEY LINE
BRIDGES

EQUATIONS

EXCEPTIONS

LENGTH DATA

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

REVISIONS	BY	DATE

APPROVED:
CHIEF ENGINEER — DATE
EXECUTIVE DIRECTOR — DATE
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

APPROVED:
DIVISION ADMINISTRATOR — DATE
FEDERAL HIGHWAY ADMINISTRATION
DEPARTMENT OF TRANSPORTATION

TITLE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/6/2012 14:06:50 TITLE ALTERNATIVE B-6.DGN

STATE	PROJECT NO.
MISS.	

DESCRIPTION OF SHEET	WKG. NO.	SH. NO.
TITLE SHEET (1)		
DETAIL INDEX (1)		
DETAILED INDEX	*DI4-1*	
TYPICAL SECTIONS (5)		
SOUTH FRONTAGE ROAD (STA. 213+77 TO STA. 220+00)	*TS6-A1*	
SOUTH FRONTAGE ROAD (C/D) BETWEEN STA. 220+00 TO STA. 228+00, BETWEEN STA. 234+00 TO STA. 241+00	*TS6-A2*	
NORTH FRONTAGE ROAD (C/D) BETWEEN STA. 211+00 (OLD HWY 27 & STA. 223+00, BETWEEN STA. 231+00 AND STA. 236+500)	*TS6-A3*	
CLAY STREET DURING PHASE B	*TS6-B1*	
CLAY STREET DURING PHASE B	*TS6-B2*	
CONSTRUCTION PLANS (2)		
PHASE A		
PHASE B		
PLAN & PROFILE SHEETS (3)		
PHASE 6A-1		
PHASE 6B-1		
PHASE 6B-2		
BRIDGE TYPICAL SECTIONS (3)		
NORTH FRONTAGE ROAD OVER OLD HWY 27 AND MERIDIAN SPEEDWAY RAILROAD	*BTS6-1*	
SOUTH FRONTAGE ROAD OVER OLD HWY 27 AND MERIDIAN SPEEDWAY RAILROAD	*BTS6-2*	
NORTH AND SOUTH FRONTAGE ROADS OVER CLAY STREET	*BTS6-3*	

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

4/9/2012 14:24:56 INDEX.DGN

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

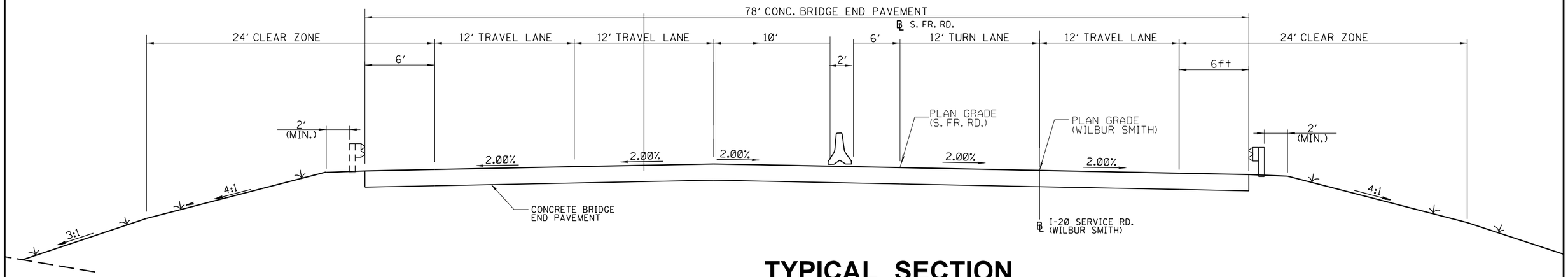
Detailed Index

Alternative B
Project 6

WORKING NUMBER
DI6-1
SHEET NUMBER

FILENAME: INDEX.DGN
DESIGN TEAM _____ CHECKED _____ DATE _____

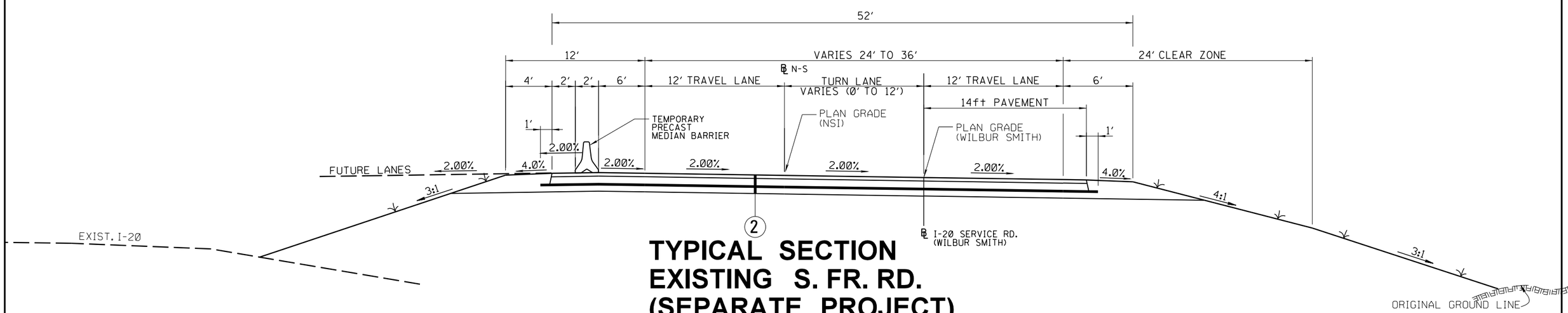
STATE	PROJECT NO.
MISS.	



TYPICAL SECTION
S. FR. RD.

NOTE: This will work for ALTERNATE B.
ALTERNATE C will require widening 12'
on the right side.

STA. 213+77.49 TO STA. 214+17.90 (BRIDGE)
STA. 217+48.10 (BRIDGE) TO STA. 217+74.22



TYPICAL SECTION
EXISTING S. FR. RD.
(SEPARATE PROJECT)

STA. 211+83.77 TO STA. 213+77.49
STA. 217+74.22 TO STA. 219+20.40

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
SOUTH FRONTAGE ROAD
STA 213+77.49 TO 220+00

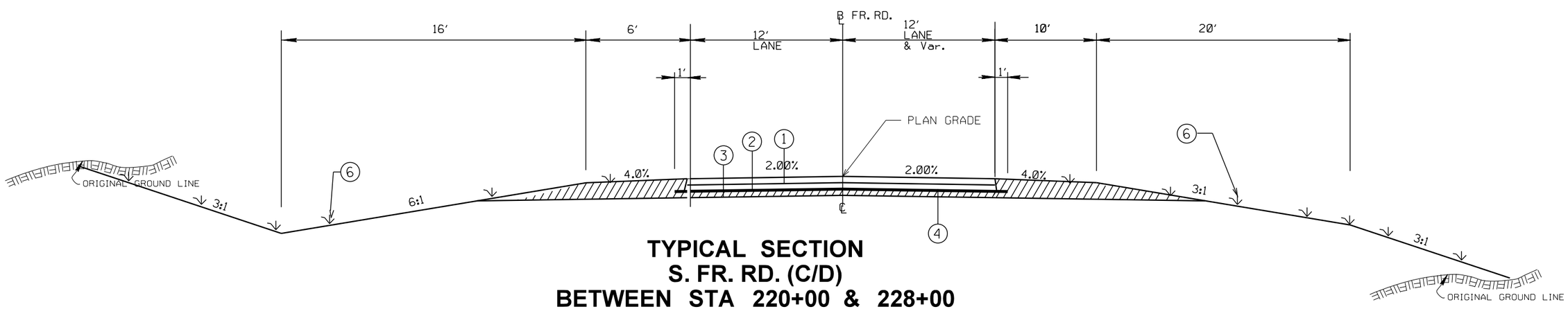
PROJECT NO.
COUNTY:
FILENAME:
DESIGN TEAM ____ CHECKED ____ DATE ____

WORKING NUMBER
TS6-A1
SHEET NUMBER

$FILES
$DATES

COUNTY:
DESIGN TEAM: NEEL-SCHAFFER
PROJECT NO.: 6 PHASE A
FILENAME:

STATE	PROJECT NO.
MISS.	



TYPICAL SECTION
S. FR. RD. (C/D)
BETWEEN STA 220+00 & 228+00
BETWEEN STA 234+00 & 241+00
(PHASE A)

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
SOUTH FRONTAGE ROAD
BETWEEN STA 220+00 & 228+00
BETWEEN STA 234+00 & 241+00

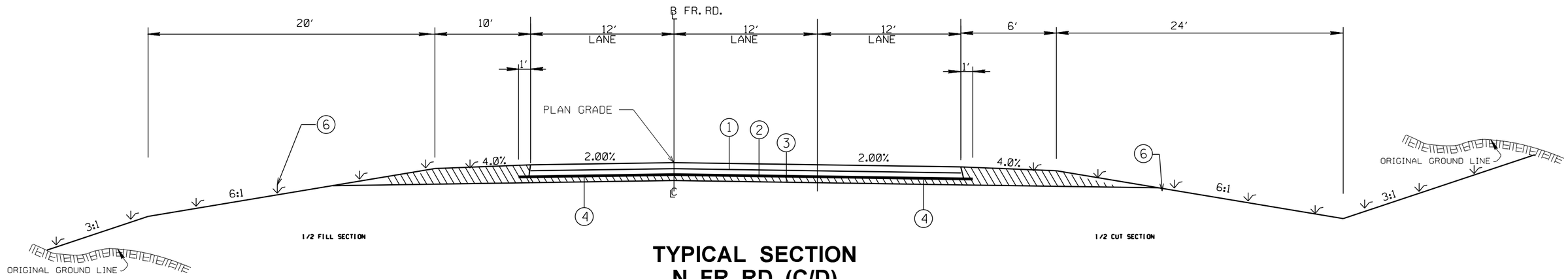
PROJECT NO.
COUNTY:
FILENAME:
DESIGN TEAM ____ CHECKED ____ DATE ____

WORKING NUMBER
TS6-A2
SHEET NUMBER

$FILE$
$DATE$

COUNTY:
DESIGN TEAM: NEEL-SCHAFFER
PROJECT NO.: 6 PHASE A
FILENAME:

STATE	PROJECT NO.
MISS.	



TYPICAL SECTION
N. FR. RD. (C/D)
-BETWEEN STA 211+00 (OLD HWY 27) & 223+00
-BETWEEN STA 231+00 & 236+50

1. _" HOT BITUMINOUS PAVEMENT (_" SURFACE COURSE AND _" BINDER COURSE) REQ'D.
2. _" PLANT MIX BITUMINOUS BASE COURSE REQ'D.
3. _" AND VARIABLE DEPTH GRANULAR MATERIAL (CLASS 3, GROUP B) REQ'D.
4. PRIME COAT (MAY BE DELETED WHEN PERMITTED BY THE ENGINEER)
5. COMBINATION CONCRETE CURB AND GUTTER (TYPE 3 MOD.) REQ'D.
6. INDICATES AREAS TO BE TREATED IN ACCORDANCE WITH THE VEGETATION SCHEDULE (SEE WK. SH. NO. VS-1)

$FILE$

$DATE$

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

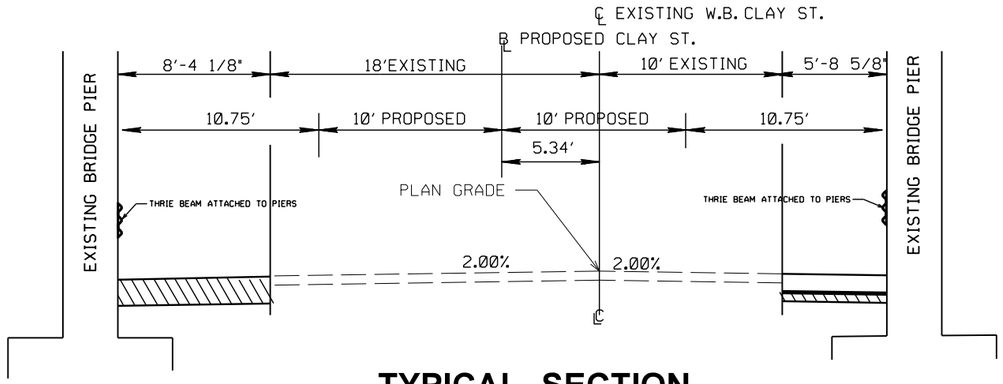
TYPICAL SECTION
NORTH FRONTAGE RD. (C/D)
BETWEEN 211+00 & 223+00
BETWEEN 231+00 & 236+50

PROJECT NO.
COUNTY:
FILENAME:
DESIGN TEAM ____ CHECKED ____ DATE ____

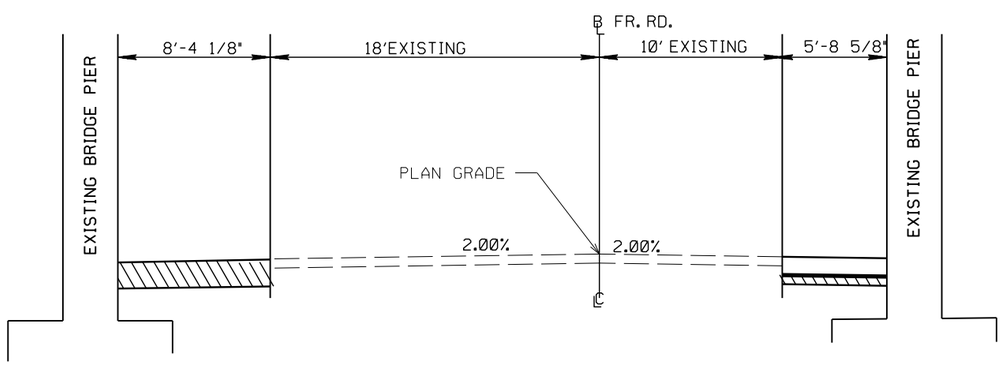
WORKING NUMBER TS6-A3
SHEET NUMBER

COUNTY:
DESIGN TEAM: NEEL-SCHAFFER
PROJECT NO.: 6 PHASE A
FILENAME:

STATE	PROJECT NO.
MISS.	



TYPICAL SECTION
TEMPORARY CLAY ST. UNDER EXISTING I-20 W.B. BRIDGE
(DURING PHASE B)



TYPICAL SECTION
EXISTING CLAY ST. UNDER EXISTING I-20 W.B. BRIDGE

$FILE$

$DATE$

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
CLAY ST. DURING
PHASE B

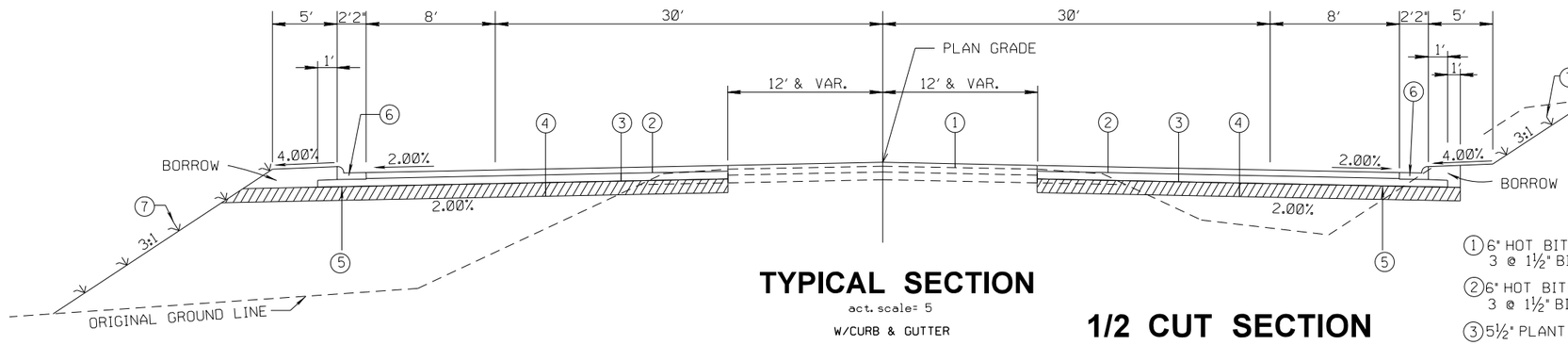
PROJECT NO.
COUNTY:
FILENAME:
DESIGN TEAM ____ CHECKED ____ DATE ____

WORKING NUMBER
TS6-B1
SHEET NUMBER

COUNTY:
DESIGN TEAM: NEEL-SCHAFFER

PROJECT NO.: 6 PHASE B
FILENAME:

STATE	PROJECT NO.
MISS.	



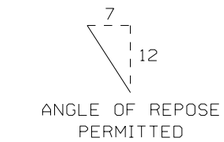
TYPICAL SECTION

act. scale= 5

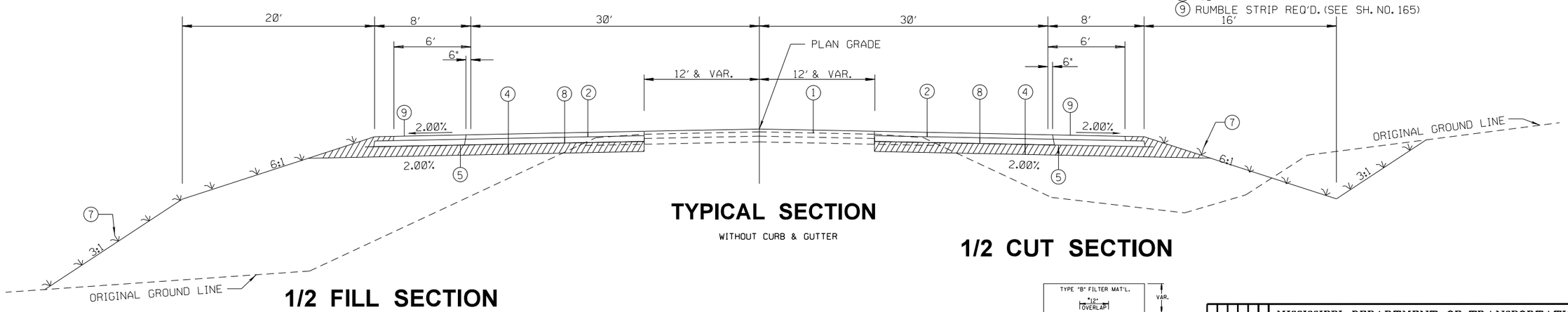
W/CURB & GUTTER

1/2 FILL SECTION

1/2 CUT SECTION



1. 6" HOT BITUMINOUS PAVEMENT (1 @ 1½" SURFACE COURSE AND 3 @ 1½" BINDER COURSE) REQ'D.
2. 6" HOT BITUMINOUS PAVEMENT (1 @ 1½" SURFACE COURSE AND 3 @ 1½" BINDER COURSE) REQ'D.
3. 5½" PLANT MIX BITUMINOUS BASE COURSE REQ'D.
4. 7" AND VARIABLE DEPTH GRANULAR MATERIAL (CLASS 3, GROUP D) REQ'D.
5. PRIME COAT REQ'D. - MAY BE DELETED WHEN PERMITTED BY THE ENGINEER.
6. COMBINATION CONCRETE CURB & GUTTER TYPE 3 MODIFIED REQ'D.
7. INDICATES AREAS TO BE TREATED IN ACCORDANCE WITH THE VEGETATION SCHEDULE (SEE WK. SH. NO. VS-1)
8. 4½" PLANT MIX BITUMINOUS BASE COURSE REQ'D.
9. RUMBLE STRIP REQ'D. (SEE SH. NO. 165)



TYPICAL SECTION

WITHOUT CURB & GUTTER

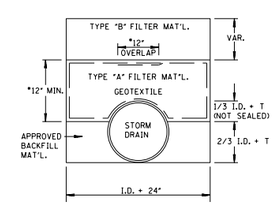
1/2 FILL SECTION

1/2 CUT SECTION

*USE 1/3 I.D. + T + 2" FOR STORM DRAINS 24" DIAMETER AND LARGER

*A 6" OVERLAP SHALL BE REQUIRED AT THE END OF EACH ROLL OF GEOTEXTILE

SHALL BE INCLUDED FOR PAYMENT UNDER PAY ITEM NO. 605-AA001 GEOTEXTILE FABRIC FOR SUBSURFACE DRAINAGE PER SQ.YD.



NOTE: LOCATION IN CUTS

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
CLAY ST. DURING
(PHASE B)

PROJECT NO.
COUNTY:
FILENAME:
DESIGN TEAM_____ CHECKED_____ DATE_____

WORKING NUMBER
TS6-B2
SHEET NUMBER

$FILES

$DATES

COUNTY:
DESIGN TEAM: NEEL-SCHAFFER

PROJECT NO.: 6 PHASE B
FILENAME:

STATE	PROJECT NO.
MISS.	

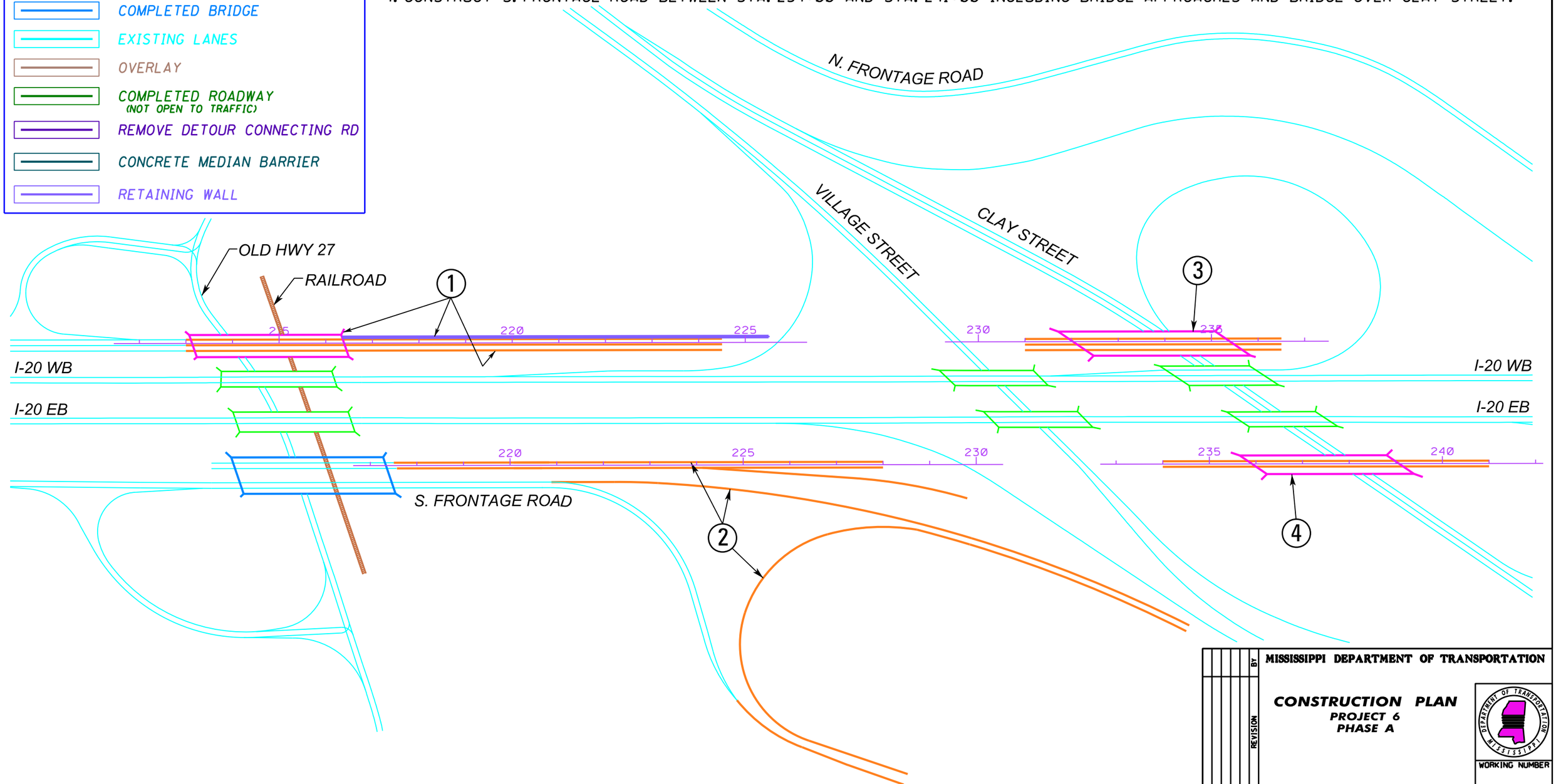
LEGEND

- WORK UNDER CONSTRUCTION
- WIDEN BRIDGES
- NEW BRIDGE CONSTRUCTION
- EXISTING BRIDGE
- COMPLETED BRIDGE
- EXISTING LANES
- OVERLAY
- COMPLETED ROADWAY (NOT OPEN TO TRAFFIC)
- REMOVE DETOUR CONNECTING RD
- CONCRETE MEDIAN BARRIER
- RETAINING WALL

NARRATIVE

PROJECT 6
PHASE A

1. CONSTRUCT N. FRONTAGE ROAD BETWEEN STA. 213+00 & STA. 224+50 (INCLUDING BRIDGE OVER OLD HWY 27 AND RAILROAD, AND RETAINING WALL ON THE LEFT FROM THE BRIDGE TO STA. 225+50).
2. CONSTRUCT S. FRONTAGE ROAD FROM THE BRIDGE OVER THE RAILROAD TO STA. 228+00 AND THE FUTURE CONNECTING RAMPS TO CLAY STREET TO STA. 230+00 AND STA. 234+00.
3. CONSTRUCT N. FRONTAGE ROAD BETWEEN STA. 231+00 AND STA. 236+50 INCLUDING BRIDGE APPROACHES AND BRIDGE OVER CLAY STREET.
4. CONSTRUCT S. FRONTAGE ROAD BETWEEN STA. 234+00 AND STA. 241+00 INCLUDING BRIDGE APPROACHES AND BRIDGE OVER CLAY STREET.



MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 6
PHASE A

DATE	REVISION	BY

WORKING NUMBER

SHEET NUMBER

FILENAME: PROJ6 PHA.DGN
DESIGN TEAM _____ CHECKED _____ DATE _____

ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
2/11/2011 07:18:04 PROJ6 PHA.DGN

STATE	PROJECT NO.
MISS.	

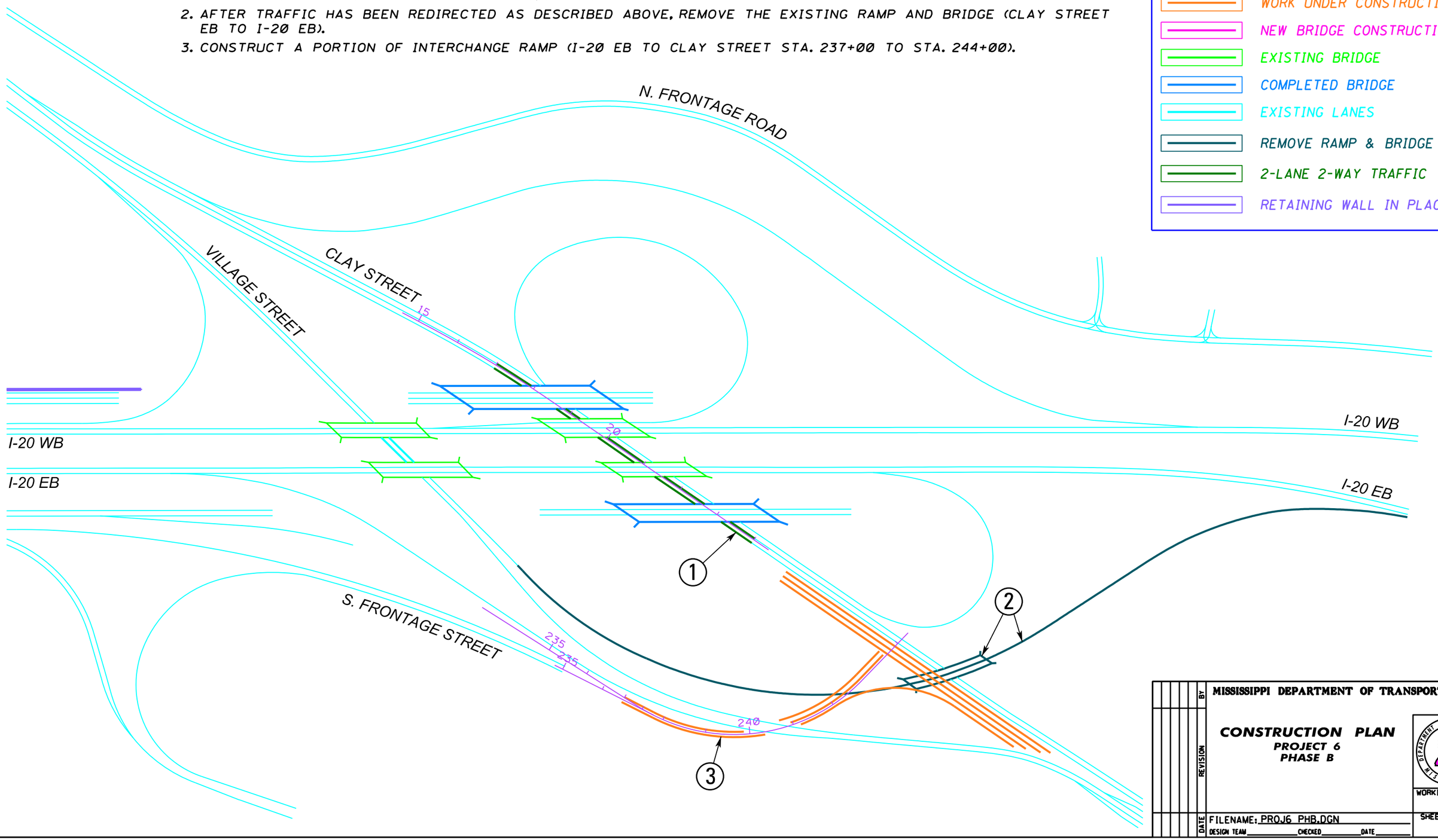
NARRATIVE

PROJECT 6
PHASE B

1. TRANSITION CLAY STREET DOWN TO 4-LANE 2-WAY TRAFFIC BETWEEN STA. 17+00 TO STA. 24+00 UNTIL PROJECT 7 IS COMPLETED. WIDENING OF CLAY STREET REQUIRED OUTSIDE THESE LIMITS.
2. AFTER TRAFFIC HAS BEEN REDIRECTED AS DESCRIBED ABOVE, REMOVE THE EXISTING RAMP AND BRIDGE (CLAY STREET EB TO I-20 EB).
3. CONSTRUCT A PORTION OF INTERCHANGE RAMP (I-20 EB TO CLAY STREET STA. 237+00 TO STA. 244+00).

LEGEND

- WORK UNDER CONSTRUCTION
- NEW BRIDGE CONSTRUCTION
- EXISTING BRIDGE
- COMPLETED BRIDGE
- EXISTING LANES
- REMOVE RAMP & BRIDGE
- 2-LANE 2-WAY TRAFFIC
- RETAINING WALL IN PLACE



BY	REVISION	DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 6
PHASE B

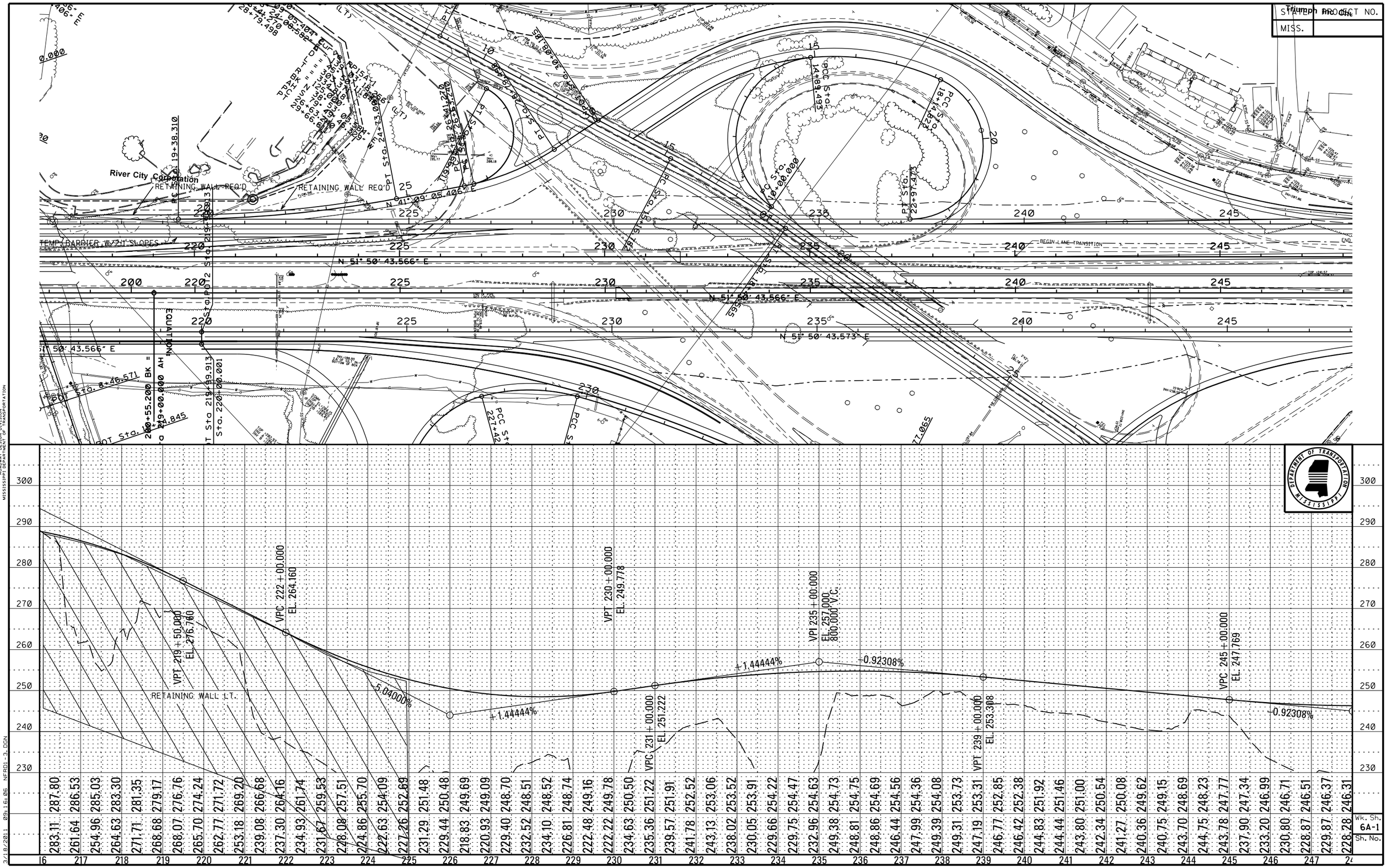
WORKING NUMBER

SHEET NUMBER

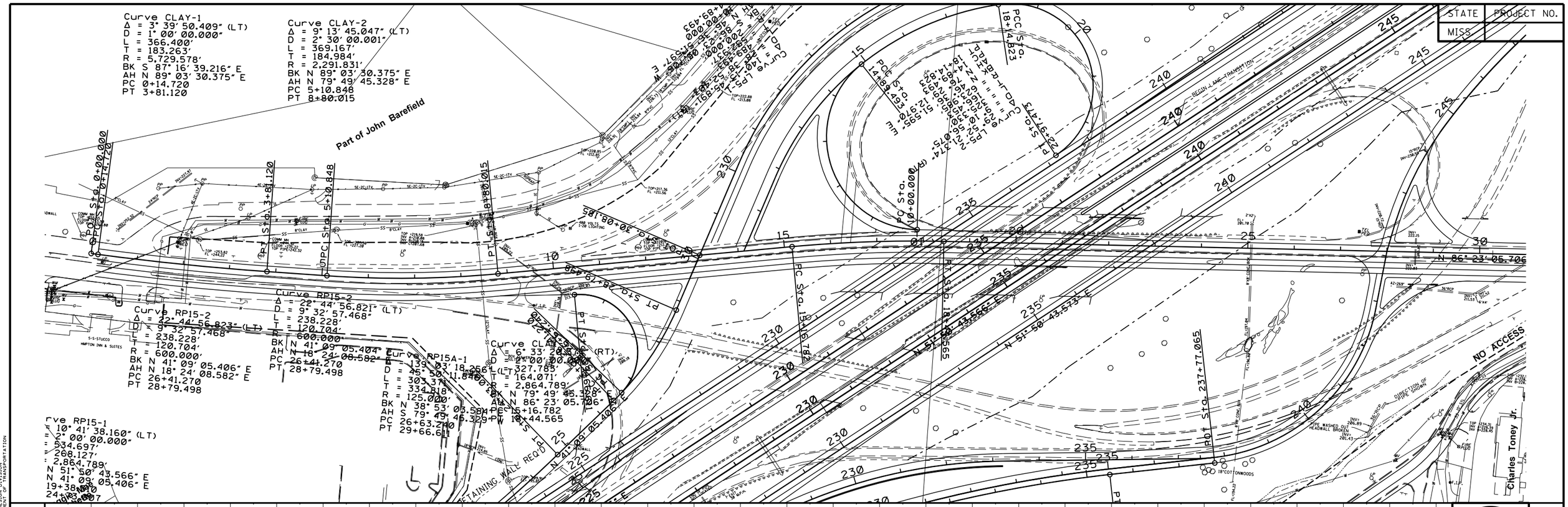
FILENAME: PROJ6 PHB.DGN

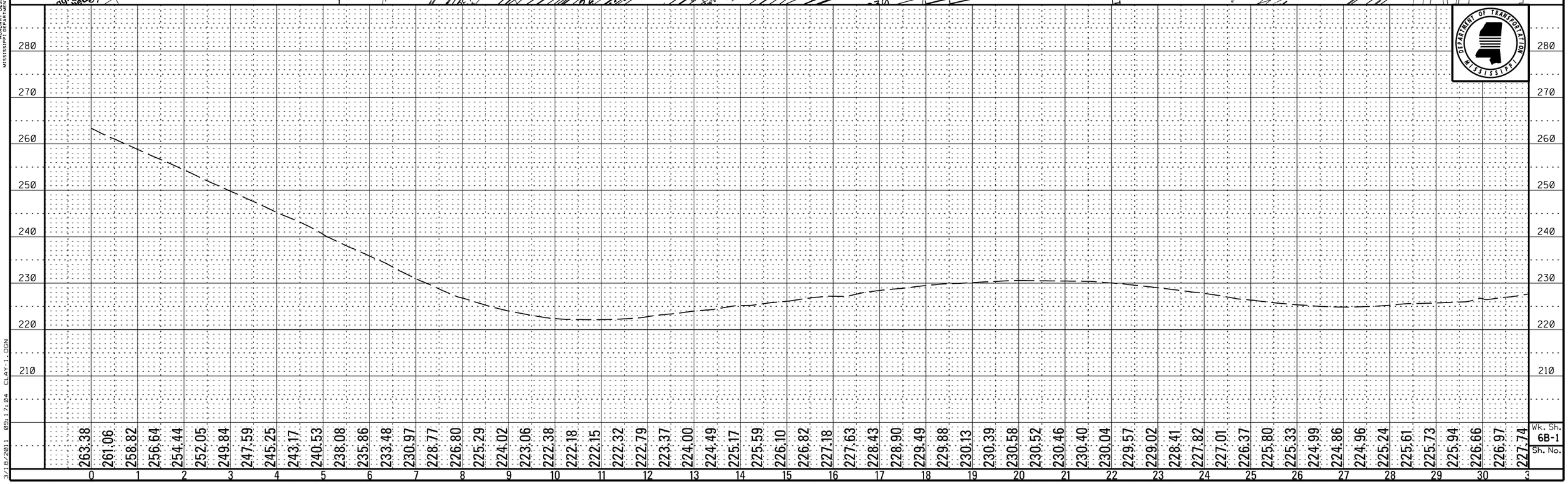
DESIGN TEAM _____ CHECKED _____ DATE _____

2/18/2011 1:31:37:39 PROJ6 PHB.DGN
PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION


STATE PROJECT NO.
MISS.
River City Corporation
RETAINING WALL REQ'D
TEMP BARRIER W/2H SLOPES
BEGIN LANE TRANSITION
N 51° 50' 43.566" E
N 51° 50' 43.573" E
N 41° 09' 05.406" E
EQUATION:
BK = 219+00.000 AH
AHEAD = 220+55.200
PT Sta. 219+39.913
Sta. 220+00.001
PCC Sta. 14+89.493
PCC Sta. 18+46.52
PCC Sta. 22+97.473
PT Sta. 24+73.06
RETAINING WALL LT.
VPT 219+50.000
EL. 276.760
VPC 222+00.000
EL. 264.160
VPT 230+00.000
EL. 249.778
VPC 231+00.000
EL. 251.222
VPI 235+00.000
EL. 257.000
800.000' V.C.
VPC 245+00.000
EL. 247.769
-5.04000%
+1.44444%
+1.44444%
-0.92308%
-0.92308%
DEPARTMENT OF TRANSPORTATION MISSISSIPPI
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
3/18/2011 09:16:06 NFRD1-3.DGN
Wk. Sh. 6A-1
Sh. No.
DESIGN TEAM:
FILENAME: NFRD1-3.DGN
COUNTY:
PROJECT NO. : 6 PHASE A
SHEET ID:

STATE	PROJECT NO.
MISS	





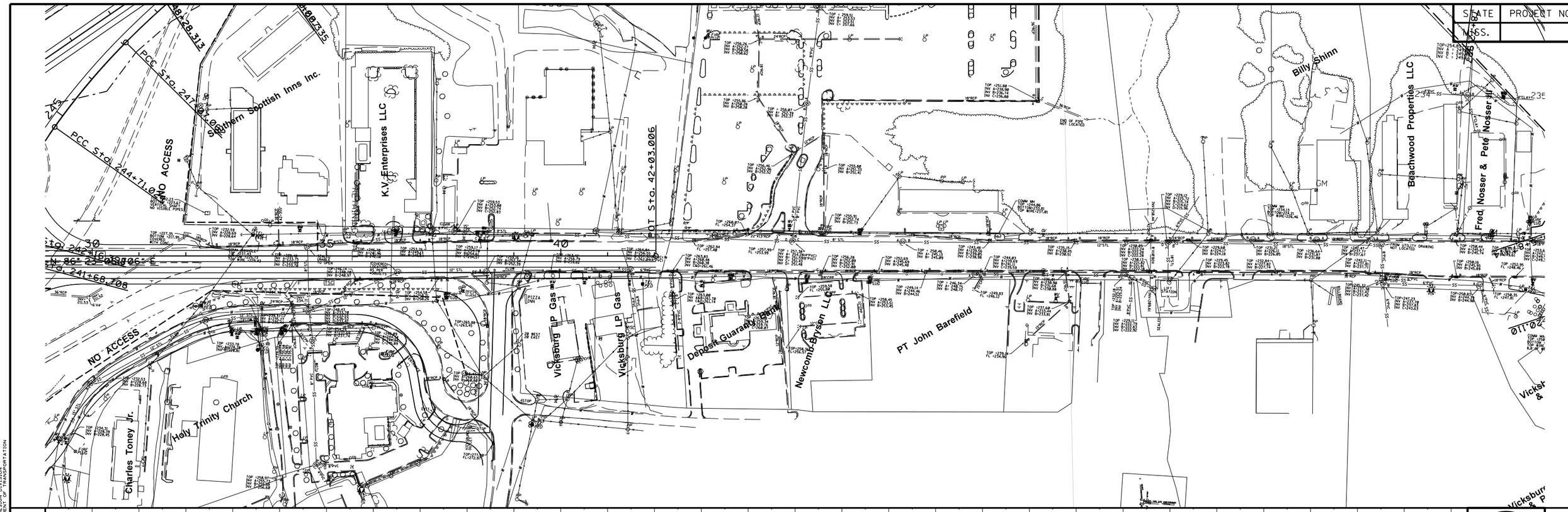
Wk. Sh. 6B-1
Sh. No.

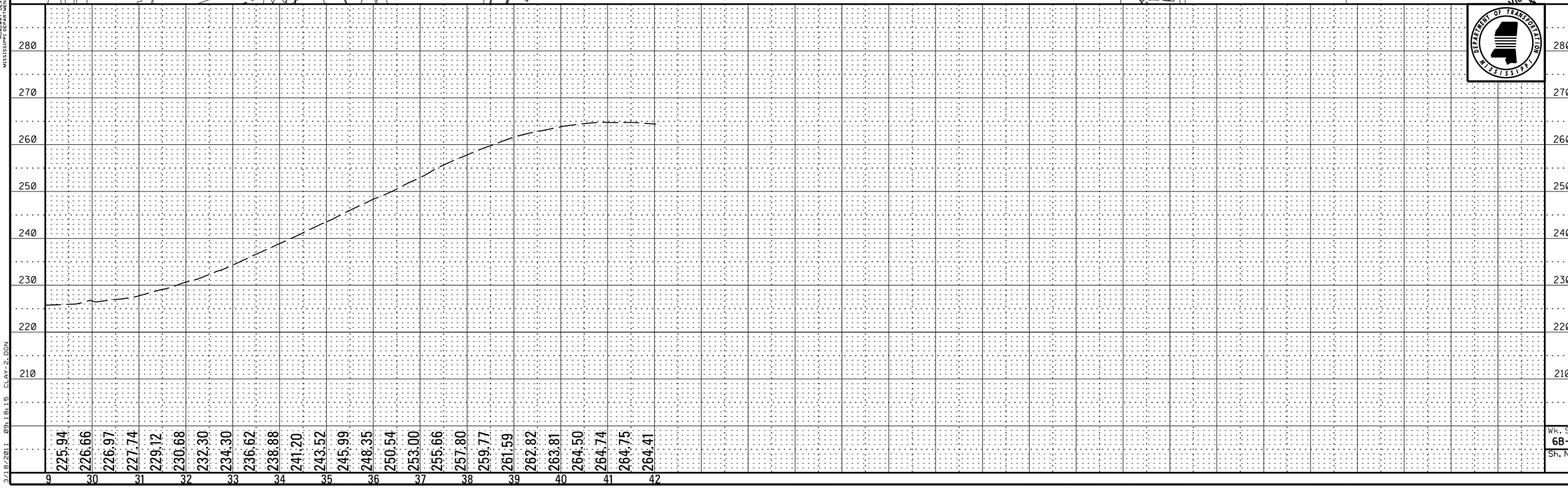
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/18/2011 09:17:04 CLAY-1.DGN

DESIGN TEAM: FILENAME: CLAY-1.DGN COUNTY: PROJECT NO. : 6 PHASE B SHEET ID:

STATE	PROJECT NO.
MISS.	





Wk. Sh. 6B-2

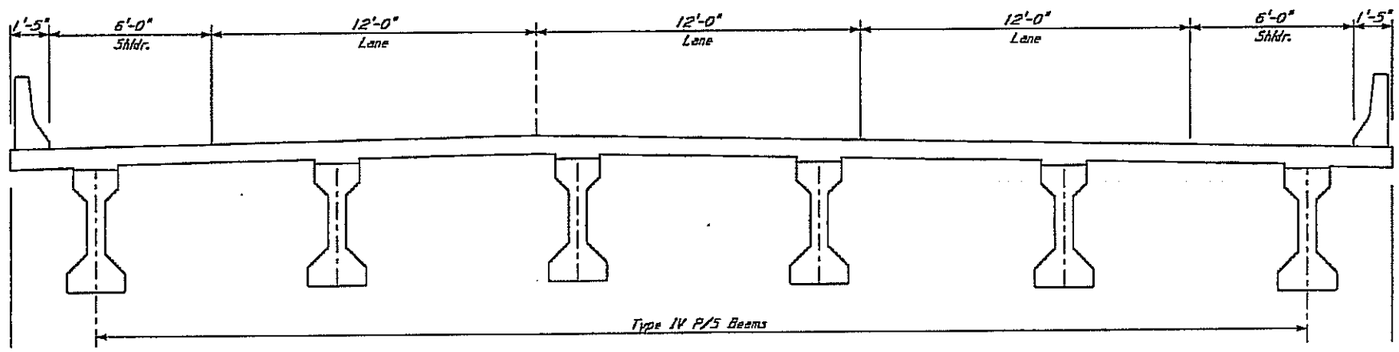
Sh. No.

PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/18/2011 09:18:15 CLAY-2.DGN

DESIGN TEAM: FILENAME: CLAY-2.DGN COUNTY: PROJECT NO. : 6 PHASE B SHEET ID:

STATE	PROJECT NO.
MISS.	



NEEL-SCHAFFER
Solutions you can build upon

PRELIMINARY
NOT FOR
CONSTRUCTION

DATE: _____

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
I-20 VICKSBURG

NORTH FRONTAGE ROAD OVER
OLD HWY. 27 & KCS RR

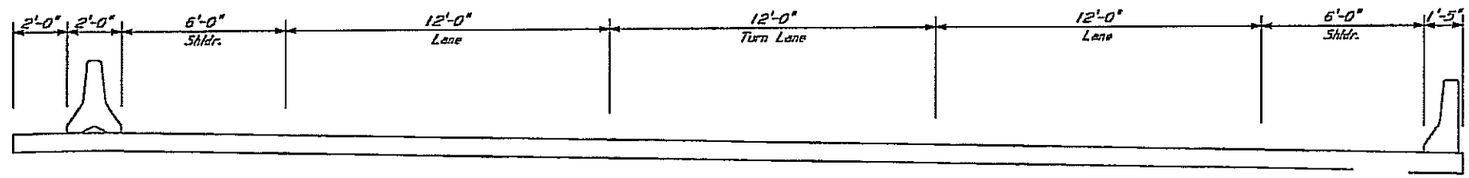
WORKING NUMBER
BTS 6-1

SHEET NUMBER

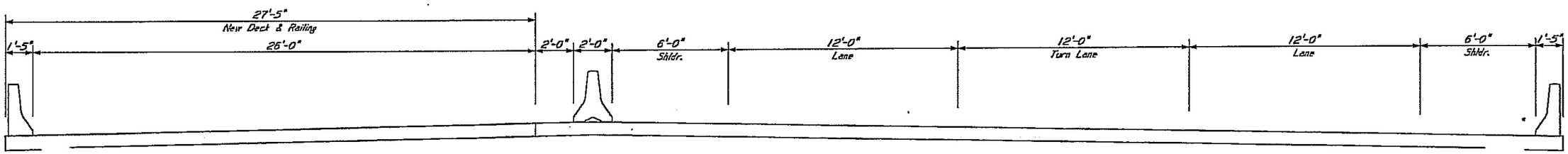
DESIGNED _____ DETAILED _____ TRACED CADD
CHECKED _____ ISSUED _____ DATE _____

FILE: S:\Projects\5562 I20 VICKSBURG\Preliminary Drawings (dgn)\Old Hwy 27 & RR\Old 27 & RR.dgn
DATE: 3/7/2011 TIME: 8:55:33 AM USER: CMC

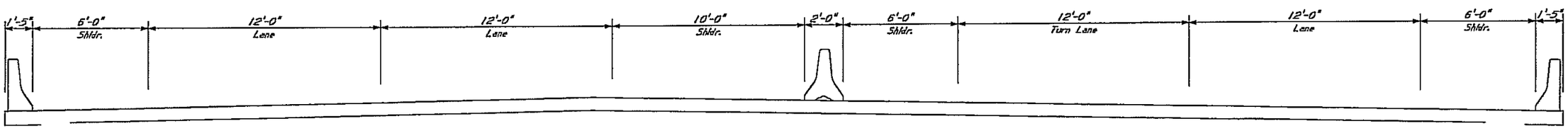
STATE	PROJECT NO.
MISS.	



EXISTING BRIDGE
Wilbur Smith Assoc.



BRIDGE WIDENING



COMPLETED PROJECT

NEEL-SCHAFFER

PRELIMINARY
NOT FOR
CONSTRUCTION

DATE: _____

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
I-20 VICKSBURG

SOUTH FRONTAGE ROAD OVER
OLD HWY. 27 & KCS RR

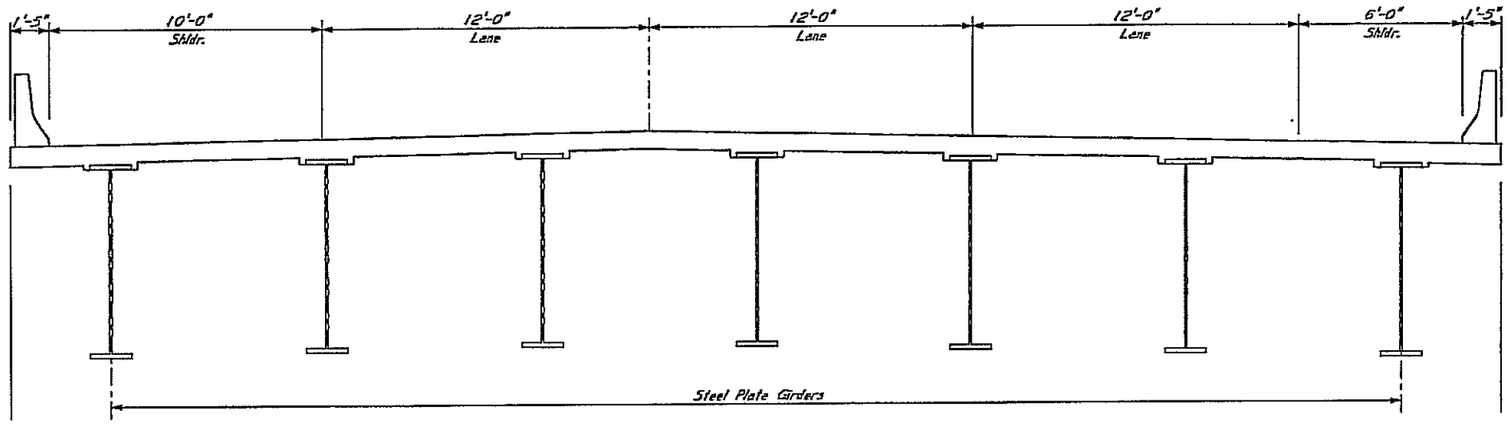
DESIGNED _____ DETAILED _____ TRACED CADD
CHECKED _____ ISSUED _____ DATE _____

WORKING NUMBER
BTS6-2

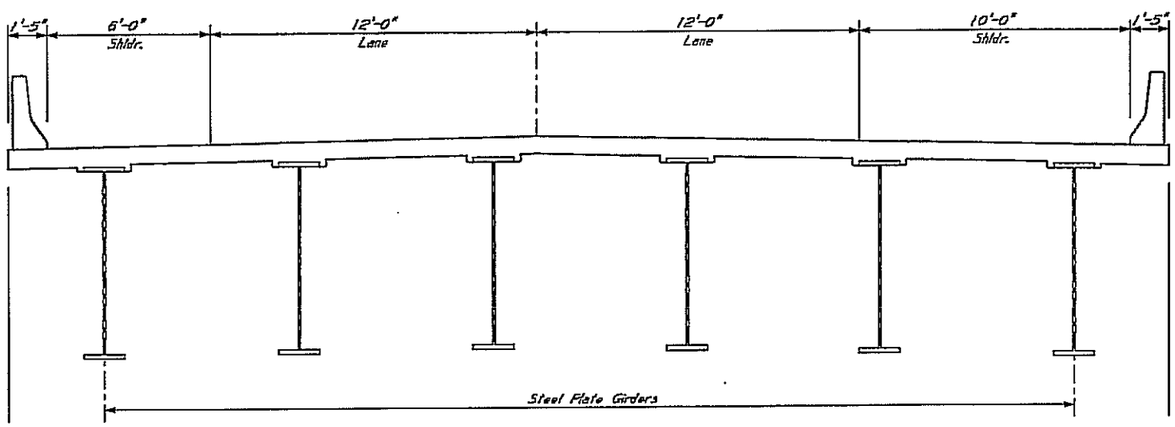
SHEET NUMBER

FILE: S:\Projects\5662 I20 VICKSBURG\Preliminary Drawings (dgn)\Old Hwy 27 & RR\Old 27 & RR.dgn
DATE: 3/1/2011 TIME: 05:50 AM USER: CHC

STATE	PROJECT NO.
MISS.	



I-20 NORTH FRONTAGE ROAD OVER CLAY STREET



I-20 SOUTH FRONTAGE ROAD OVER CLAY STREET

NEEL-SCHAFFER
Solutions you can build upon!

PRELIMINARY
NOT FOR
CONSTRUCTION

DATE: _____

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
I-20 VICKSBURG

I-20 NORTH & SOUTH FRONTAGE ROADS
OVER CLAY STREET

DESIGNED _____ DETAILED _____ TRACED CADD
CHECKED _____ ISSUED _____ DATE _____

WORKING NUMBER
BTSG-3

SHEET NUMBER

FILE: S:\Projects\6662 I20 VICKSBURG\Preliminary Drawings (dgn)\Clay St\Clay St.dgn
DATE: 3/7/2011 TIME: 015343 AM USER: CHC

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 6 PHASE A1

County: WARREN

Lettingday: 06/30/2029

Scope of Work:

Rural/Urban: Rural

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.48

Grading Cost Per Mile: $1,910,000

Paving Cost Per Mile: $3,470,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.48	x	$1,910,000	x	115%	$1,054,320
Paving Cost:	0.48		$3,470,000	x	115%	$1,915,440
Bridge cost:	72,700	x	$125.00	x	115%	$10,450,582
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)	1.00	x	$3,921,250.00	x	115%	$4,509,438
					Total Estimate:	**$17,929,779**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Retaining Wall Lt. N. FR. RD. - 216+50 to 225+00 = $3,421,250; Loop Ramp and extra earthwork = $500,000.

Anticipating a 3% inflation factor per year, the estimated construction cost is $32,100,000
(Includes Engineering and contingencies)

Remarks:

Used 4 Ln. New Location to compensate for 3-Ln C&G, storm sewer, and temporary barrier on shoulder for 2:1 slopes

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 6 PHASE A1

Summary of Projected Bridge Cost

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 6 PHASE A1
County: WARREN
Lettingday: 06/30/2029

	Area of Bridge*		Per SF		Cost	Remarks
Interchange Bridges	0	x	$77	=	$0	
Hydraulic Concrete Spans	0	x	$75	=	$0	
Grade Separations	0	x	$77	=	$0	
Steel Structures	0	x	$145	=	$0	
N.FR.RD. Over Old 27&RR	16,774	x	$125	=	$2,096,738	
S.FR.RD. Over OLD27&RR	9,049	x	$125	=	$1,131,125	
N.FR.RD Over CLAY ST.	26,318	x	$125	=	$3,289,800	
S.FR.RD. Over CLAY ST.	20,558	x	$125	=	$2,569,800	
Other Bridges	0	x	$100	=	$0	
	72,700	x	$125.00	=	$9,087,463	

* 2 feet 10 inches added to all bridge widths for bridge rail

Remarks:

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 6 PHASE B1)

County: WARREN

Lettingday: 06/30/2029

Scope of Work:

Rural/Urban: Urban

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.26

Grading Cost Per Mile: $1,210,000

Paving Cost Per Mile: $3,600,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.26	x	$1,210,000	x	115%	$361,790
Paving Cost:	0.26		$3,600,000	x	115%	$1,076,400
Bridge cost:	0	x	$0.00	x	115%	$0
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)	1.00	x	$157,000	x	115%	$180,550
Additional Cost: (See note #2 below)		x		x	115%	$0
					Total Estimate:	**$1,618,740**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Remove Br. (Clay EB to I-20 EB) = $124,000; Remove existing Conc. Pav't = $32,000

Anticipating a 3% inflation factor per year, the estimated construction cost is $2,900,000
(Includes Engineering and contingencies)

Remarks:

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 6 PHASE B1

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 6 PHASE B2)

County: WARREN

Lettingday: 06/30/2029

Scope of Work:

Rural/Urban: Urban

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.13

Grading Cost Per Mile: $1,210,000

Paving Cost Per Mile: $3,600,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.13	x	$1,210,000	x	115%	$180,895
Paving Cost:	0.13		$3,600,000	x	115%	$538,200
Bridge cost:	0	x	$0.00	x	115%	$0
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)		x		x	115%	$0
					Total Estimate:	**$719,095**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Anticipating a 3% inflation factor per year, the estimated construction cost is $1,300,000
(Includes Engineering and contingencies)

Remarks:

Est. equivalent length to compessate for Intch ramp 14A & intersection at Clay

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 6 PHASE B2

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 6 PHASE B3)

County: WARREN

Lettingday: 06/30/2029

Scope of Work:

Rural/Urban: Urban

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.21

Grading Cost Per Mile: $1,450,000

Paving Cost Per Mile: $2,210,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.21	x	$1,450,000	x	115%	$350,175
Paving Cost:	0.21		$2,210,000	x	115%	$533,715
Bridge cost:	0	x	$0.00	x	115%	$0
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)		x		x	115%	$0
					Total Estimate:	**$883,890**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Anticipating a 3% inflation factor per year, the estimated construction cost is $1,600,000
(Includes Engineering and contingencies)

Remarks:

Est. Equivalency to compensate for widening Clay (23+00 to 34+00)

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 6 PHASE B3

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 6 MISC.)

County: WARREN

Lettingday: 06/30/2029

Scope of Work:

Rural/Urban: Rural

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.00

Grading Cost Per Mile: $0

Paving Cost Per Mile: $0 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.00	x	$0	x	115%	$0
Paving Cost:	0.00		$0	x	115%	$0
Bridge cost:	0	x	$0.00	x	115%	$0
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)	1.00	x	$514,515.00	x	115%	$591,692
					Total Estimate:	**$591,692**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

.Lighting -$150,000 Adjustment of Impacted: Signals -(1)@$150,000 = $150,000: Signing- (1%) of $21,451,504=$214,515: Total Misc.=$514,515

Anticipating a 3% inflation factor per year, the estimated construction cost is $1,100,000
(Includes Engineering and contingencies)

Remarks:

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 6 MISC

Alternative B

Possible Project 7

Typical Section Sheets,
Construction Phasing Sheets,
Plan Profile Sheets and
Construction Cost Estimate Sheets

P.E.

FED. ROAD REG. NO.	STATE	PROJECT NO.	SHEET NO.
4	MISS.		1

GENERAL INDEX

FOR DETAILED INDEX OF PLANS SEE SHEET NO. 2

DESCRIPTION	NUMBER OF SHEETS
TITLE SHEET	1
DETAILED INDEX	
GENERAL NOTES	
TYPICAL SECTIONS	
QUANTITIES	
PLAN AND PROFILES	
SPECIAL DESIGN – ROADWAY ITEMS	
BRIDGE DRAWINGS	
SPECIAL DESIGN – BRIDGES	
CROSS-SECTIONS	
TOTAL SHEETS	

STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

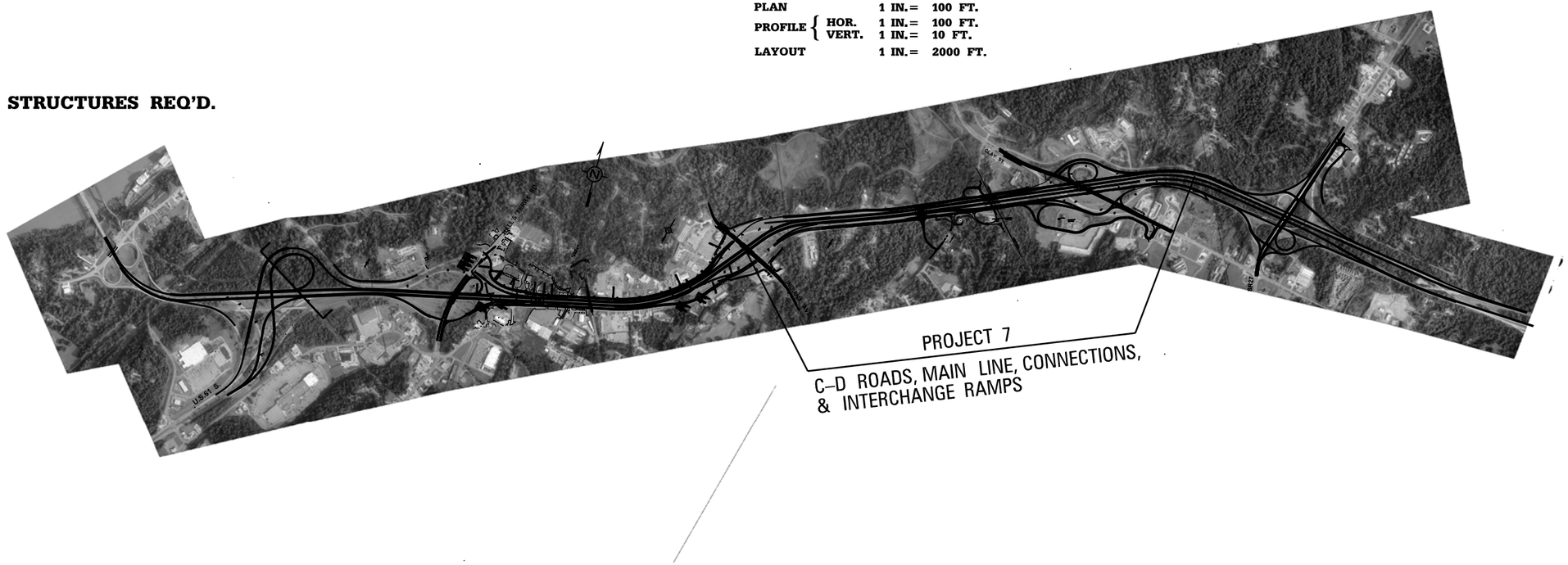
PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

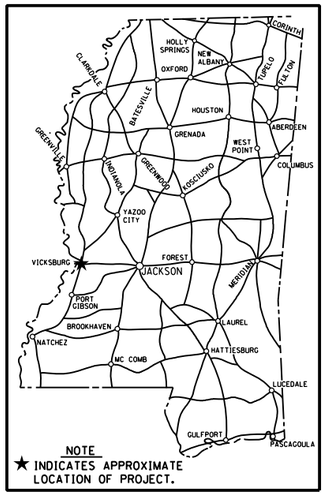
FEDERAL AID PROJECT NO. IMD-0020-01(181) 100367/002000

ALTERNATIVE B, PROJECT 7

SCALES

PLAN		1 IN. = 100 FT.
PROFILE	HOR.	1 IN. = 100 FT.
	VERT.	1 IN. = 10 FT.
LAYOUT		1 IN. = 2000 FT.





NOTE
★ INDICATES APPROXIMATE LOCATION OF PROJECT.

BRIDGE STRUCTURES REQ'D.

DESIGN CONTROL
_____ MPH = V (SPEED DESIGN)
ADT (____) = _____ : ADT (____) = _____
DHV = _____ : D = _____% T = _____%

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

	WATERS	WETLANDS
NATIONWIDE #14	☐	☐
NATIONWIDE (OTHER)*	☐	☐
GENERAL*	☐	☐
INDIVIDUAL (404)*	☐	☐

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

STORMWATER PERMIT ☐

Y	REQUIRED, CNOI SUBMITTED BY MDOT (DISTRIBUTED AREA≥5 ACRES+KNTB 6484)
S	REQUIRED, SCNOI TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES)(NTB 6483)
N	NO STORMWATER PERMIT REQUIRED (<1 ACRE)

APPROVED BY: _____ DATE: _____

CONVENTIONAL SYMBOLS

COUNTY LINE
TOWN CORPORATION LINE
SECTION LINE
EXISTING ROAD OR TRAVELED WAY
PROPOSED ROAD OR TRAVELED WAY
RAILROAD
SURVEY LINE
BRIDGES

EQUATIONS

EXCEPTIONS

LENGTH DATA

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

REVISIONS | BY | DATE

APPROVED:
CHIEF ENGINEER — DATE
EXECUTIVE DIRECTOR — DATE
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

APPROVED:
DIVISION ADMINISTRATOR — DATE
FEDERAL HIGHWAY ADMINISTRATION
DEPARTMENT OF TRANSPORTATION

TITLE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/6/2012 14:01:53 TITLE ALTERNATIVE B-7.DGN

COUNTY 1

STATE	PROJECT NO.
MISS.	

DESCRIPTION OF SHEET	WKG. NO.	SH. NO.
TITLE SHEET (1)		
DETAIL INDEX (1)		
DETAILED INDEX	*DI7-1*	
TYPICAL SECTIONS (8)		
INDIANA AVENUE OVER I-20	*TS7-A*	
INDIANA AVENUE (PHASE A1)	*TS7-A1*	
NORTH FRONTAGE ROAD (C/D) BETWEEN STA. 246+00 AND STA. 266+00 (SHOWING RETAINING WALL LT.)	*TS7-A2*	
INTERCHANGE RAMPS AND LOOPS	*TS7-A3*	
TEMPORARY CONNECTIONS AND PORTERS CHAPEL ROAD CONNECTION	*TS7-A4*	
I-20 WESTBOUND AND EASTBOUND AT STA. 196+00 AND STA. 228+00	*TS7-B*	
INTERCHANGE RAMPS 9, 10, 11	*TS7-C1*	
CONSTRUCTION PLANS (9)		
PHASE A		
PHASE A1		
PHASE A2		
PHASE A3		
PHASE A4		
PHASE B		
PHASE B		
PHASE B		
PHASE C		
PLAN & PROFILE SHEETS (19)		
PHASE 7A-1		
PHASE 7A-2		
PHASE 7A-2.1		
PHASE 7A-2.2		
PHASE 7A-3		
PHASE 7A-4		
PHASE 7A-5		
PHASE 7A-6		
PHASE 7A-7		
PHASE 7A-8		
PHASE 7A-9		
PHASE 7B-1		
PHASE 7B-2		
PHASE 7B-2.1		
PHASE 7B-2.2		
PHASE 7B-3		
PHASE 7B-4		
PHASE 7C-1		
PHASE 7C-2		
PHASE 7C-3		
BRIDGE TYPICAL SECTIONS (3)		
I-20 EASTBOUND AND WESTBOUND OVER EAST TURNAROUND AT STA. 200+00	*BTS7-1*	
I-20 EASTBOUND AND WESTBOUND OVER OLD HWY 27 AND MERIDIAN SPEEDWAY RAILROAD	*BTS7-2*	
I-20 EASTBOUND AND WESTBOUND OVER CLAY STREET	*BTS7-3*	

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

4/10/2012 15:37:59 INDEX.DGN

REVISION | BY | DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

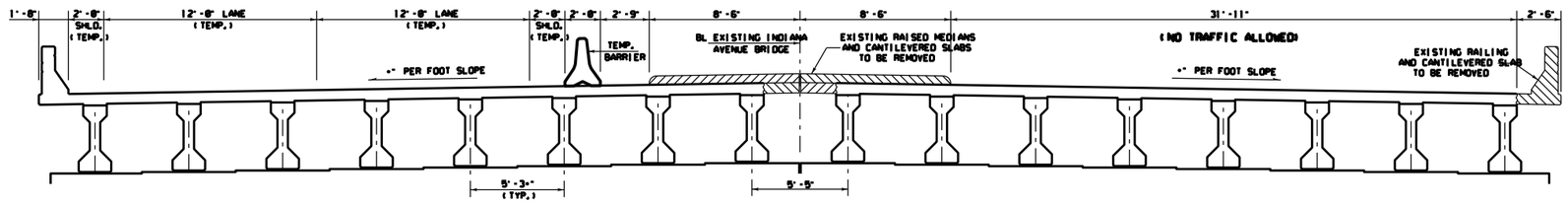
Detailed Index

Alternative B
Project 7

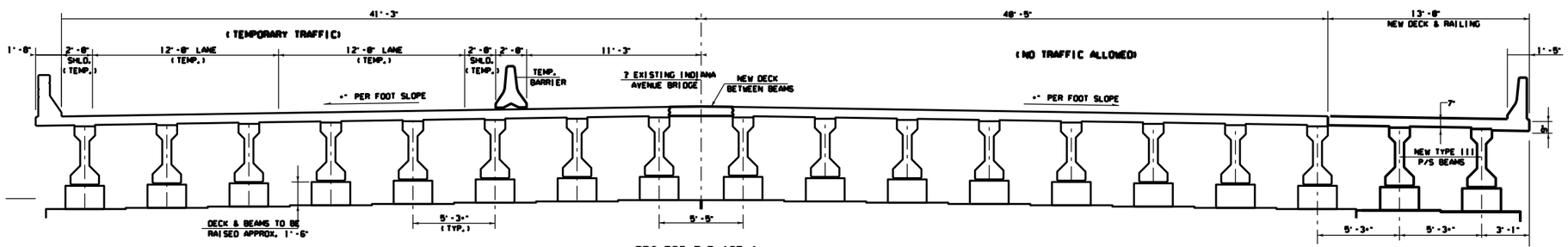
WORKING NUMBER
DI7-1
SHEET NUMBER

FILENAME: INDEX.DGN
DESIGN TEAM _____ CHECKED _____ DATE _____

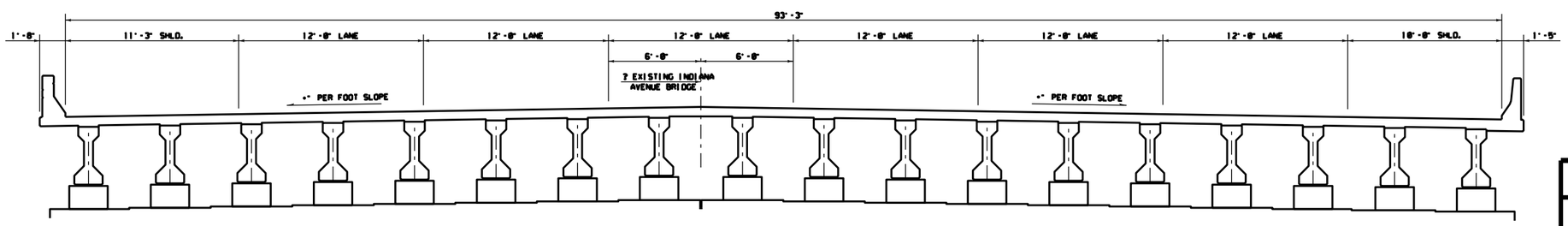
STATE	PROJECT NO.
MISS.	



AFTER BRIDGE JACKING OF PROJECT 1



PROJECT 7 PHASE A



COMPLETED PROJECT

REVISION	BY	DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION

INDIANA AVE OVER I-20

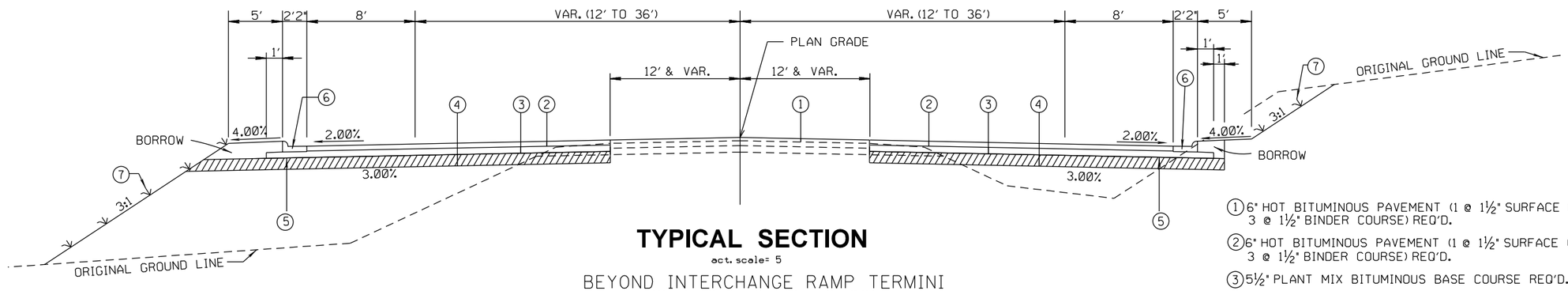
PROJECT NO.
COUNTY:
FILENAME:
DESIGN TEAM ____ CHECKED ____ DATE ____

WORKING NUMBER: TS7-A
SHEET NUMBER

COUNTY:
DESIGN TEAM: NEEL-SCHAFFER

PROJECT NO.: 7 PHASE A
FILENAME:

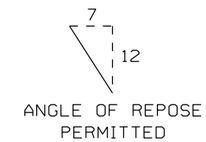
STATE	PROJECT NO.
MISS.	



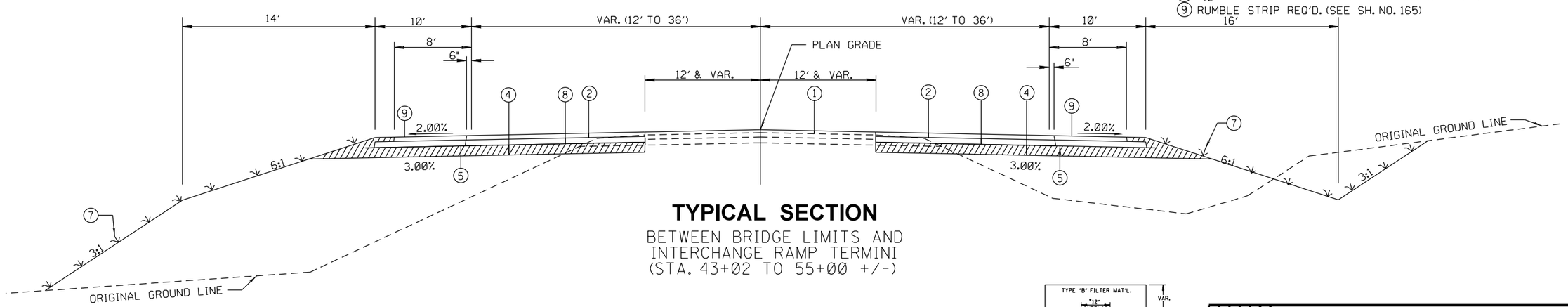
TYPICAL SECTION

act. scale= 5

BEYOND INTERCHANGE RAMP TERMINI
(STA. 67+52 TO 72+82)



1. 6" HOT BITUMINOUS PAVEMENT (1 @ 1½" SURFACE COURSE AND 3 @ 1½" BINDER COURSE) REQ'D.
2. 6" HOT BITUMINOUS PAVEMENT (1 @ 1½" SURFACE COURSE AND 3 @ 1½" BINDER COURSE) REQ'D.
3. 5½" PLANT MIX BITUMINOUS BASE COURSE REQ'D.
4. 7" AND VARIABLE DEPTH GRANULAR MATERIAL (CLASS 3, GROUP D) REQ'D.
5. PRIME COAT REQ'D. - MAY BE DELETED WHEN PERMITTED BY THE ENGINEER.
6. COMBINATION CONCRETE CURB & GUTTER TYPE 3 MODIFIED REQ'D.
7. INDICATES AREAS TO BE TREATED IN ACCORDANCE WITH THE VEGETATION SCHEDULE (SEE WK. SH. NO. VS-1)
8. 4½" PLANT MIX BITUMINOUS BASE COURSE REQ'D.
9. RUMBLE STRIP REQ'D. (SEE SH. NO. 165)



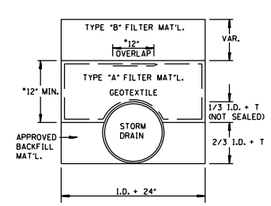
TYPICAL SECTION

BETWEEN BRIDGE LIMITS AND
INTERCHANGE RAMP TERMINI
(STA. 43+02 TO 55+00 +/-)

*USE 1/3 I.D. + T + 2" FOR STORM DRAINS 24" DIAMETER AND LARGER

*A 6" OVERLAP SHALL BE REQUIRED AT THE END OF EACH ROLL OF GEOTEXTILE

SHALL BE INCLUDED FOR PAYMENT UNDER PAY ITEM NO. 605-AA001 GEOTEXTILE FABRIC FOR SUBSURFACE DRAINAGE PER SQ.YD.



NOTE: LOCATION IN CUTS

REVISION	BY	DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
INDIANA AVENUE
(PHASE A1)

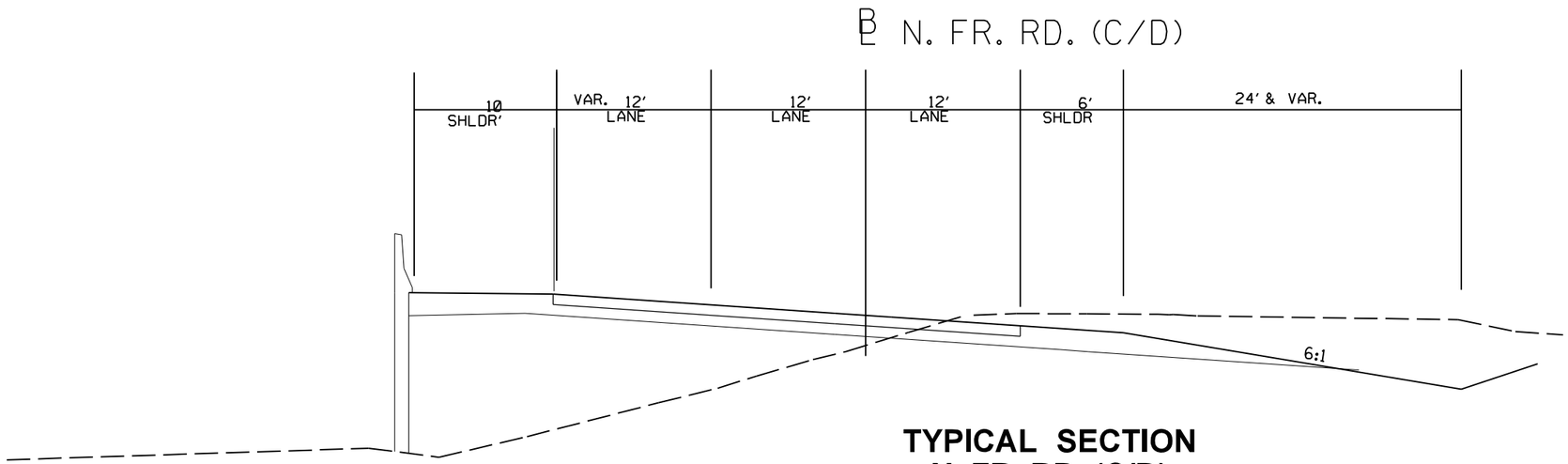
PROJECT NO.
COUNTY:
FILENAME:
DESIGN TEAM ____ CHECKED ____ DATE ____

WORKING NUMBER: TS7-A1
SHEET NUMBER

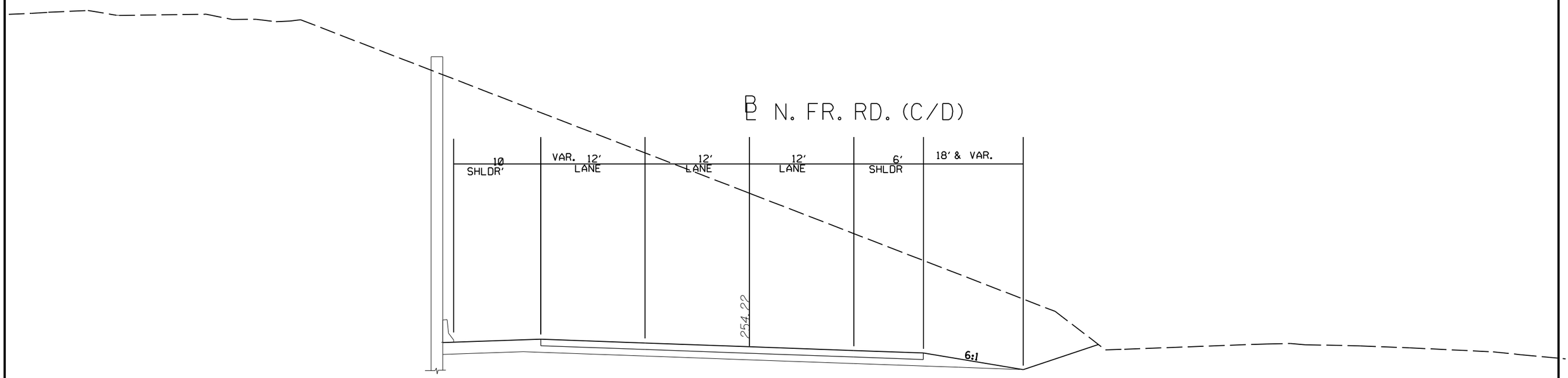
COUNTY:
DESIGN TEAM: NEEL-SCHAFFER
PROJECT NO.: 7 PHASE A1
FILENAME:

$FILES
$DATES

STATE	PROJECT NO.
MISS.	



TYPICAL SECTION
N. FR. RD. (C/D)
FROM 246+00 TO 254+00 AND 263+00 TO 266+00
SHOWING RETAINING WALL LT.
(FILL SECTION SHOWN)



TYPICAL SECTION
N. FR. RD. (C/D)
FROM 254+00 TO 263+00 SHOWING RETAINING WALL LT.
(CUT SECTION SHOWN)

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION
NORTH FRONTAGE RD. (C/D)
FROM 246+00 TO 266+00
SHOWING RETAINING WALL LT.

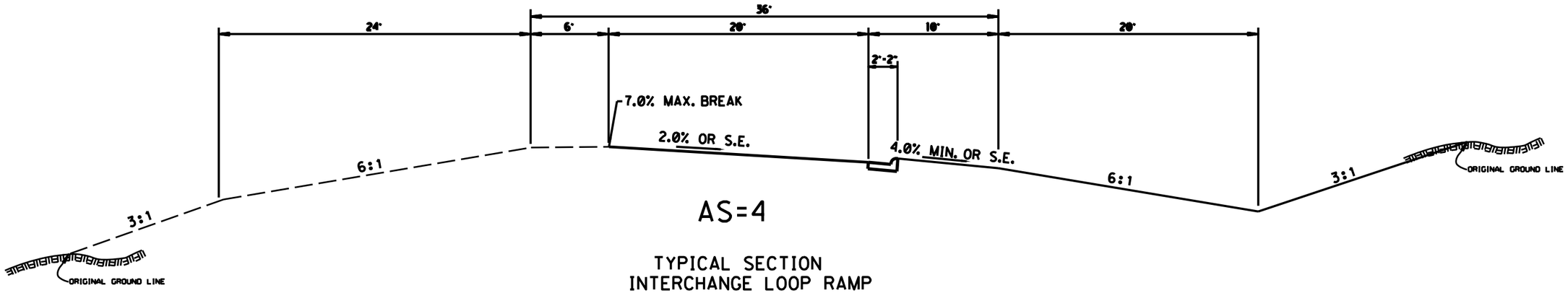
PROJECT NO.
COUNTY:
FILENAME:
DESIGN TEAM_____ CHECKED_____ DATE_____

WORKING NUMBER
TS7-A2
SHEET NUMBER

$FILES
$DATES

COUNTY:
DESIGN TEAM: NEEL-SCHAFFER
PROJECT NO.: 7 PHASE A
FILENAME:

STATE	PROJECT NO.
MISS.	



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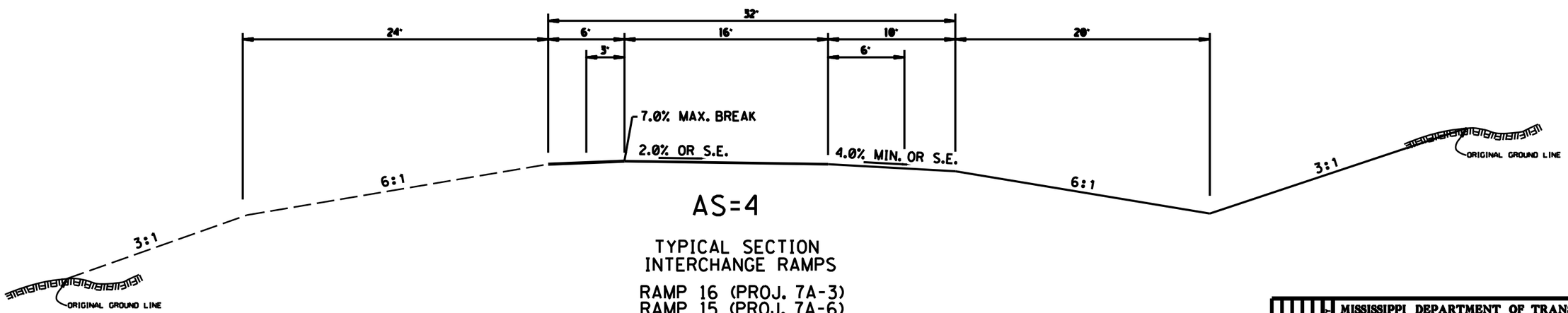
TYPICAL SECTION
INTERCHANGE LOOP RAMP
LOOP 5 (PROJ. 7A-7)



AS=4

TYPICAL SECTION
INTERCHANGE RAMPS

RAMP 16 (PROJ. 7A-3)
RAMP 15 (PROJ. 7A-6)

$FILES

$DATES

BY	REVISION	DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION
INTERCHANGE RAMPS
RAMP 16 (PROJ. 7A-3)
RAMP 15 (PROJ. 7A-6)
LOOP 5 (PROJ. 7A-7)

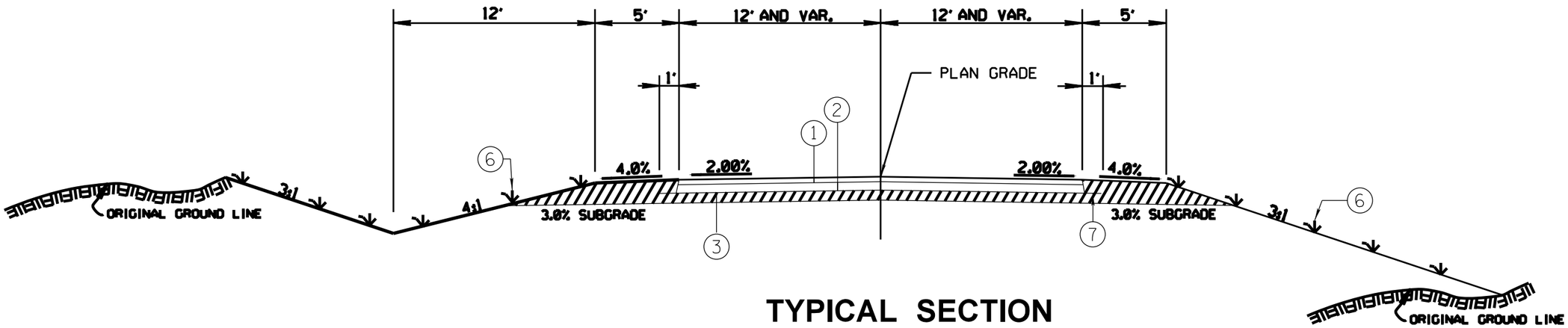
PROJECT NO.
COUNTY:
FILENAME:
DESIGN TEAM CHECKED DATE

WORKING NUMBER
TS7-A3
SHEET NUMBER

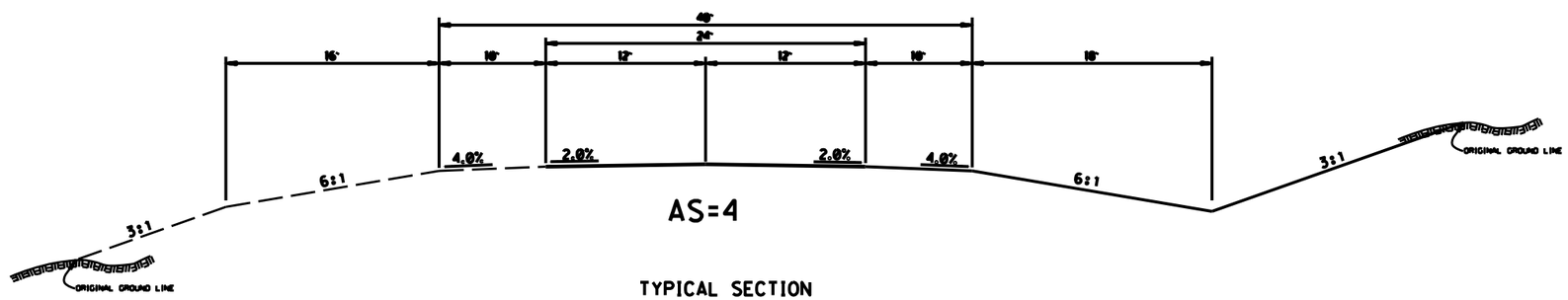
COUNTY:
DESIGN TEAM: NEEL-SCHAFFER

PROJECT NO.: 7 PHASE A
FILENAME:

STATE	PROJECT NO.
MISS.	



TYPICAL SECTION
PORTER CHAPEL RD. CONN.



AS=4

TYPICAL SECTION
CONNECTION 7 & 8
NEAR INDIANA AVE.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION
TEMPORARY CONNECTION 7 (PROJ. 7A-8)
TEMPORARY CONNECTION 8 (PROJ. 7A-9)
PORTER CHAPEL RD. CONN. (PROJ. 7B-2A)

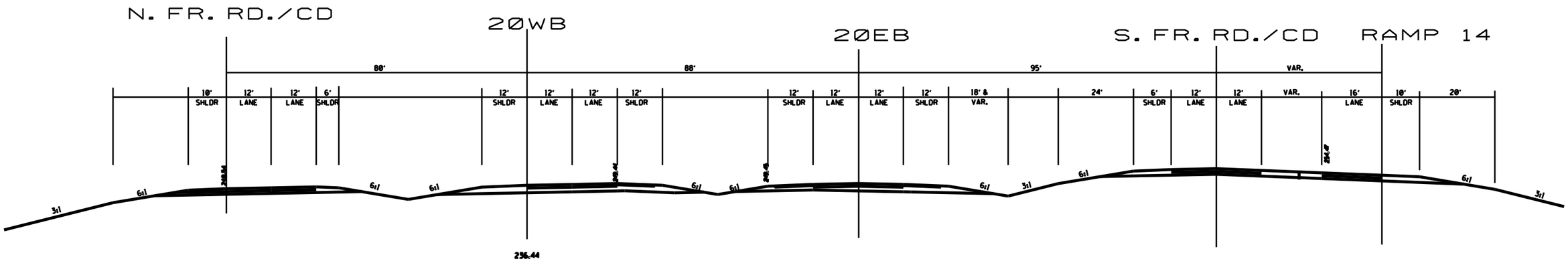
REVISION | BY | DATE

PROJECT NO.
COUNTY:
FILENAME:
DESIGN TEAM CHECKED DATE

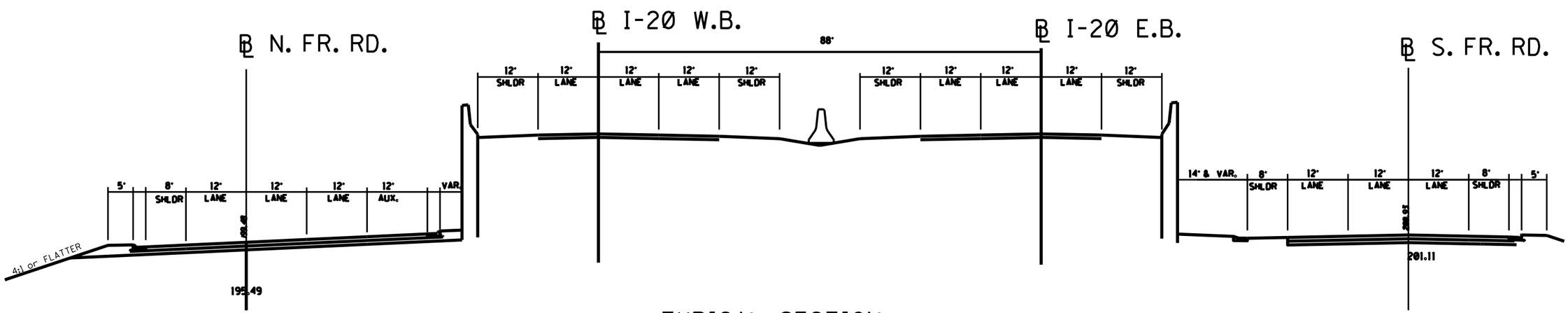
WORKING NUMBER
TS7-A4
SHEET NUMBER

COUNTY:
DESIGN TEAM: NEEL-SCHAFFER
PROJECT NO.: 7 PHASE A
FILENAME:

STATE	PROJECT NO.
MISS.	



TYPICAL SECTION
AT STA. 228+00 I-20 W.B.



TYPICAL SECTION
AT STA. 196+00 I-20 W.B.

SFILES

SDATES

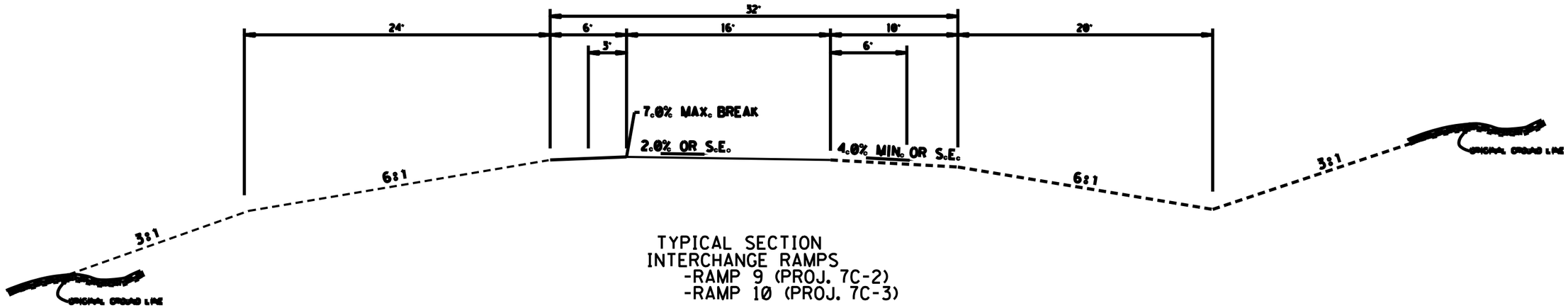
		MISSISSIPPI DEPARTMENT OF TRANSPORTATION
		TYPICAL SECTIONS
		I-20 W.B. & E.B. STA. 228+00
		I-20 W.B. & E.B. STA. 195+00
		PROJECT NO.
		COUNTY:
		FILENAME:
		DESIGN TEAM CHECKED DATE

BY
REVISION
DATE

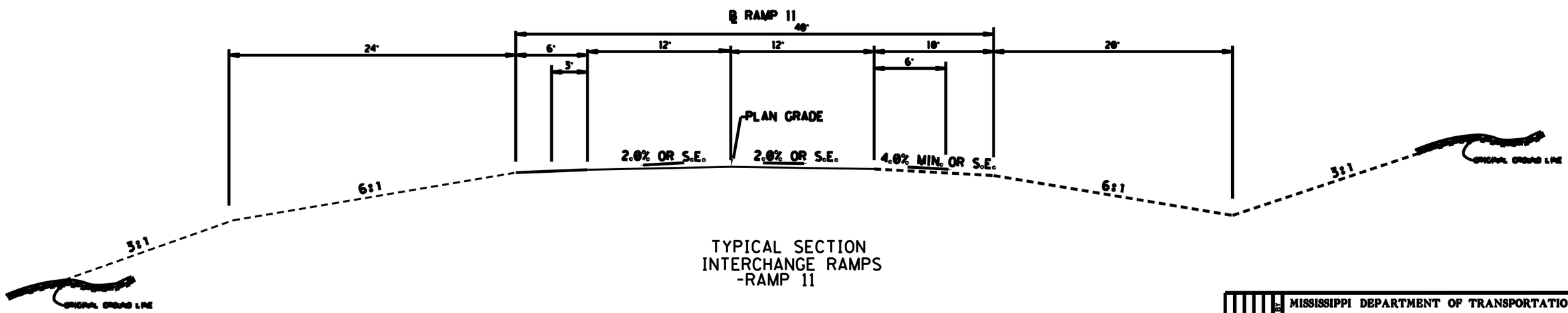
WORKING NUMBER
TS7-B
SHEET NUMBER

COUNTY:
DESIGN TEAM: NEEL-SCHAFFER
PROJECT NO.: 7 PHASE B
FILENAME:

STATE	PROJECT NO.
MISS.	



TYPICAL SECTION
INTERCHANGE RAMPS
-RAMP 9 (PROJ. 7C-2)
-RAMP 10 (PROJ. 7C-3)



TYPICAL SECTION
INTERCHANGE RAMPS
-RAMP 11

BY	REVISION	DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION
INTERCHANGE RAMP 9 (PROJ. 7C-2)
INTERCHANGE RAMP 10 (PROJ. 7C-3)
INTERCHANGE RAMP 11 (PROJ. 7C-1)

PROJECT NO.
COUNTY:
FILENAME:
DESIGN TEAM CHECKED DATE

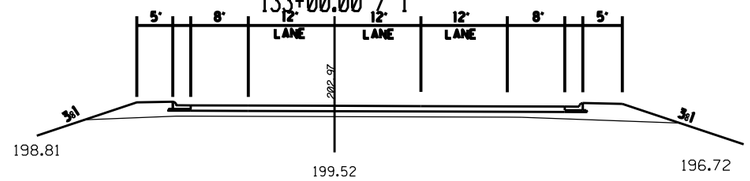
WORKING NUMBER
TS7-C1
SHEET NUMBER

COUNTY:
DESIGN TEAM: NEEL-SCHAFFER

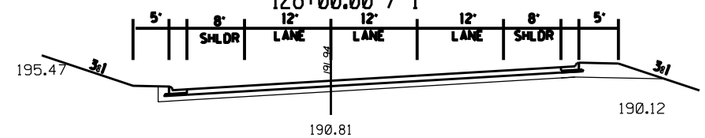
PROJECT NO.: 7 PHASE C
FILENAME:

STATE	PROJECT NO.
MISS.	

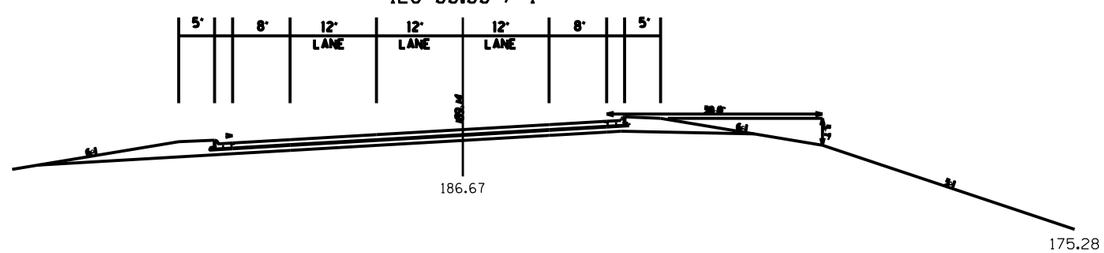
NFRD
133+00.00 / 1



128+00.00 / 1



SFRD
126+00.00 / 1



REVISION	BY	DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

N. FR. RD. @ 128+00 & 133+00
S. FR. RD. @ STA. 126+00

PROJECT NO.
COUNTY:
FILENAME:
DESIGN TEAM CHECKED DATE

WORKING NUMBER
TS7-C2
SHEET NUMBER

SFILES
SDATES

COUNTY:
DESIGN TEAM: NEEL-SCHAFFER

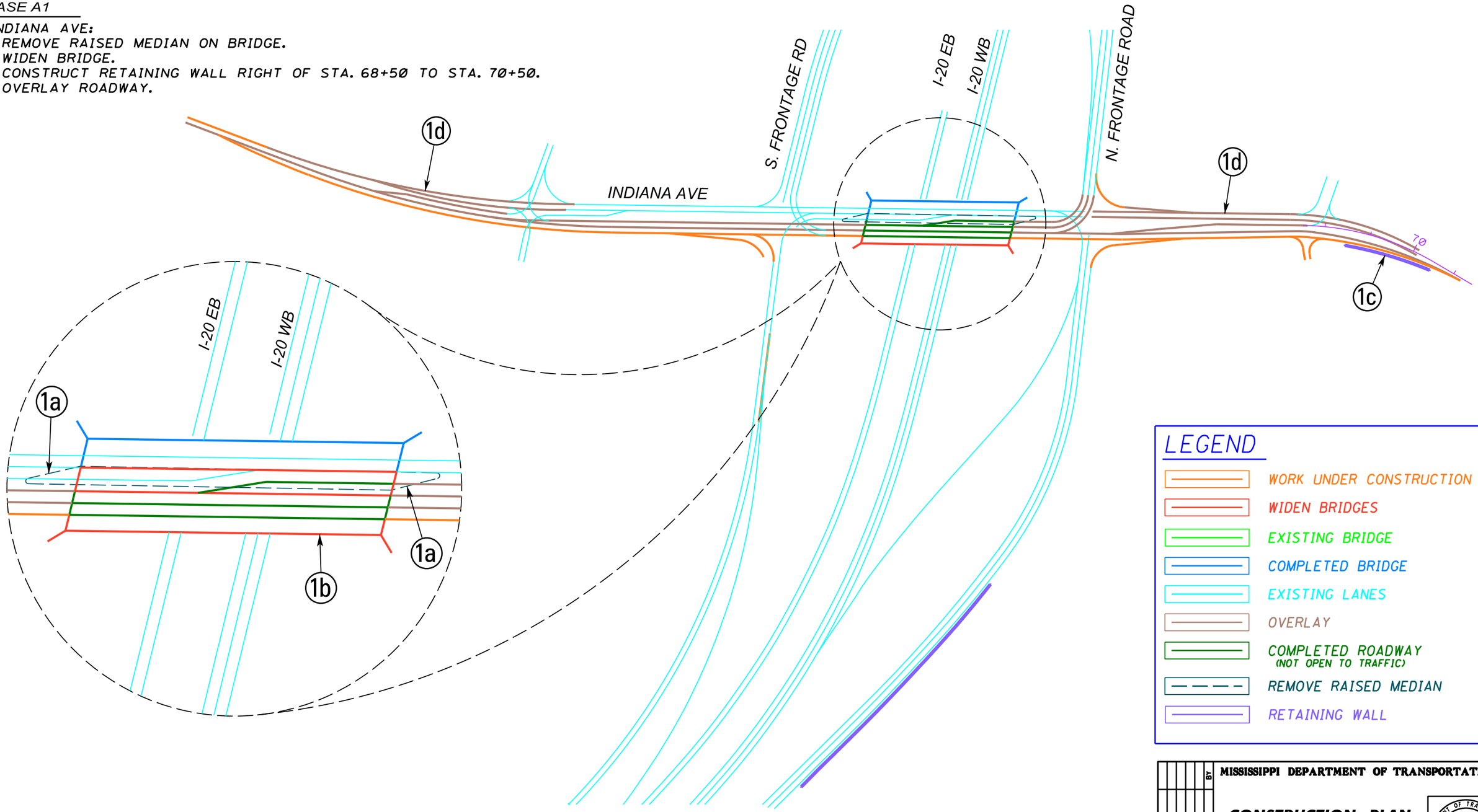
PROJECT NO.: 7 PHASE C
FILENAME:

STATE	PROJECT NO.
MISS.	

NARRATIVE

PROJECT 7
PHASE A1

1. INDIANA AVE:
   a. REMOVE RAISED MEDIAN ON BRIDGE.
   b. WIDEN BRIDGE.
   c. CONSTRUCT RETAINING WALL RIGHT OF STA. 68+50 TO STA. 70+50.
   d. OVERLAY ROADWAY.



LEGEND

- WORK UNDER CONSTRUCTION
- WIDEN BRIDGES
- EXISTING BRIDGE
- COMPLETED BRIDGE
- EXISTING LANES
- OVERLAY
- COMPLETED ROADWAY (NOT OPEN TO TRAFFIC)
- REMOVE RAISED MEDIAN
- RETAINING WALL

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 7
PHASE A

WORKING NUMBER

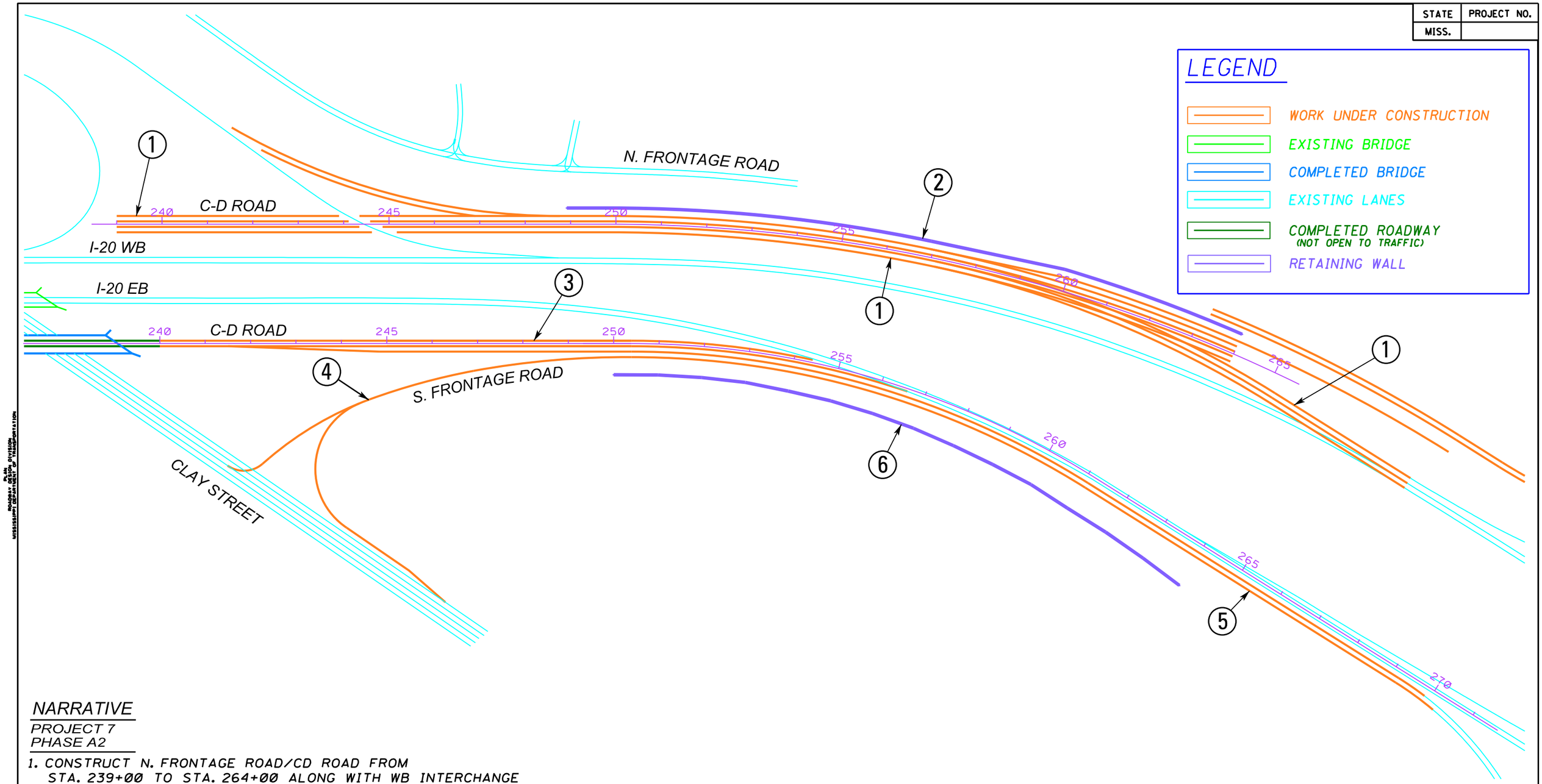
SHEET NUMBER

FILENAME: PROJ7 PHA.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

2/16/2011 10:33:16 PROJ7 PHA.DGN
PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

STATE	PROJECT NO.
MISS.	



NARRATIVE

PROJECT 7
PHASE A2

1. CONSTRUCT N. FRONTAGE ROAD/CD ROAD FROM STA. 239+00 TO STA. 264+00 ALONG WITH WB INTERCHANGE RAMP EXIT TO CLAY STREET AND A TEMPORARY CONNECTION BETWEEN I-20 WB AND THE N. FRONTAGE RD/ CD ROAD NEAR 262+00.
2. CONSTRUCT RETAINING WALL LEFT OF STA. 249+00 TO STA. 264+00.
3. CONSTRUCT S. FRONTAGE ROAD/CD ROAD FROM STA. 240+50 TO STA. 247+00.
4. CONSTRUCT INTERCHANGE RAMP ENTRANCE (CLAY STREET TO S. FRONTAGE ROAD EB)
5. CONSTRUCT S. FRONTAGE ROAD/CD ROAD FROM STA. 257+00 TO STA. 270+50.
6. CONSTRUCT RETAINING WALL RT. STA. 250+00 TO STA. 264+00.

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 7
PHASE A1

WORKING NUMBER

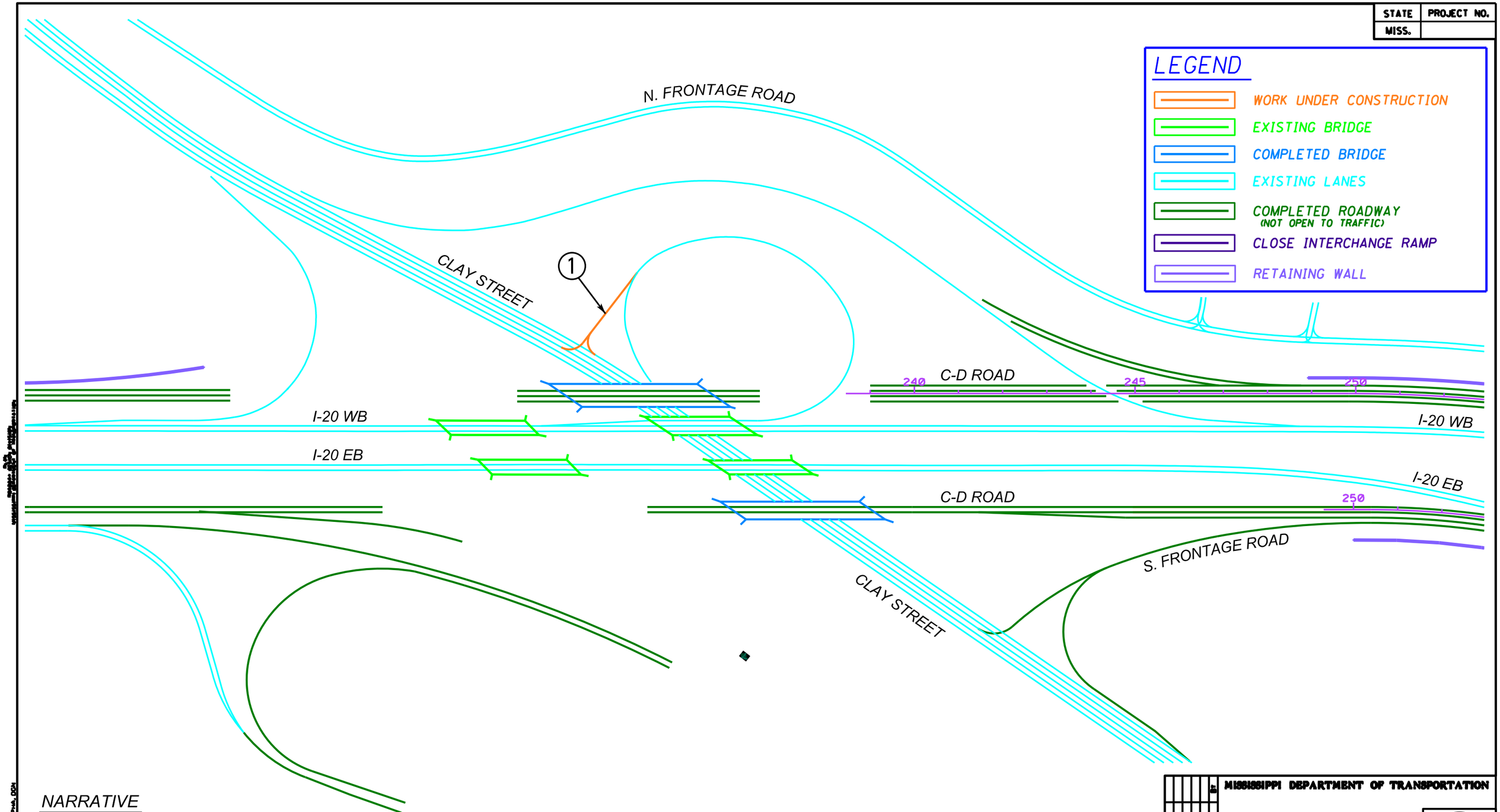
SHEET NUMBER

FILENAME: PROJ7 PHA.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

2/16/2011 10:34:37 PROJ7 PHA.DGN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

STATE	PROJECT NO.
MISS.	



NARRATIVE

PROJECT 7
PHASE A2

1. CONSTRUCT A TEMPORARY CONNECTION BETWEEN CLAY STREET AND THE EXISTING NW LOOP. REDIRECT TRAFFIC - CLAY STREET EB TO I-20 WB ONTO TEMPORARY CONNECTION. CLOSE EXISTING INTERCHANGE RAMP - CLAY STREET EB TO I-20 WB.

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 7
PHASE A2

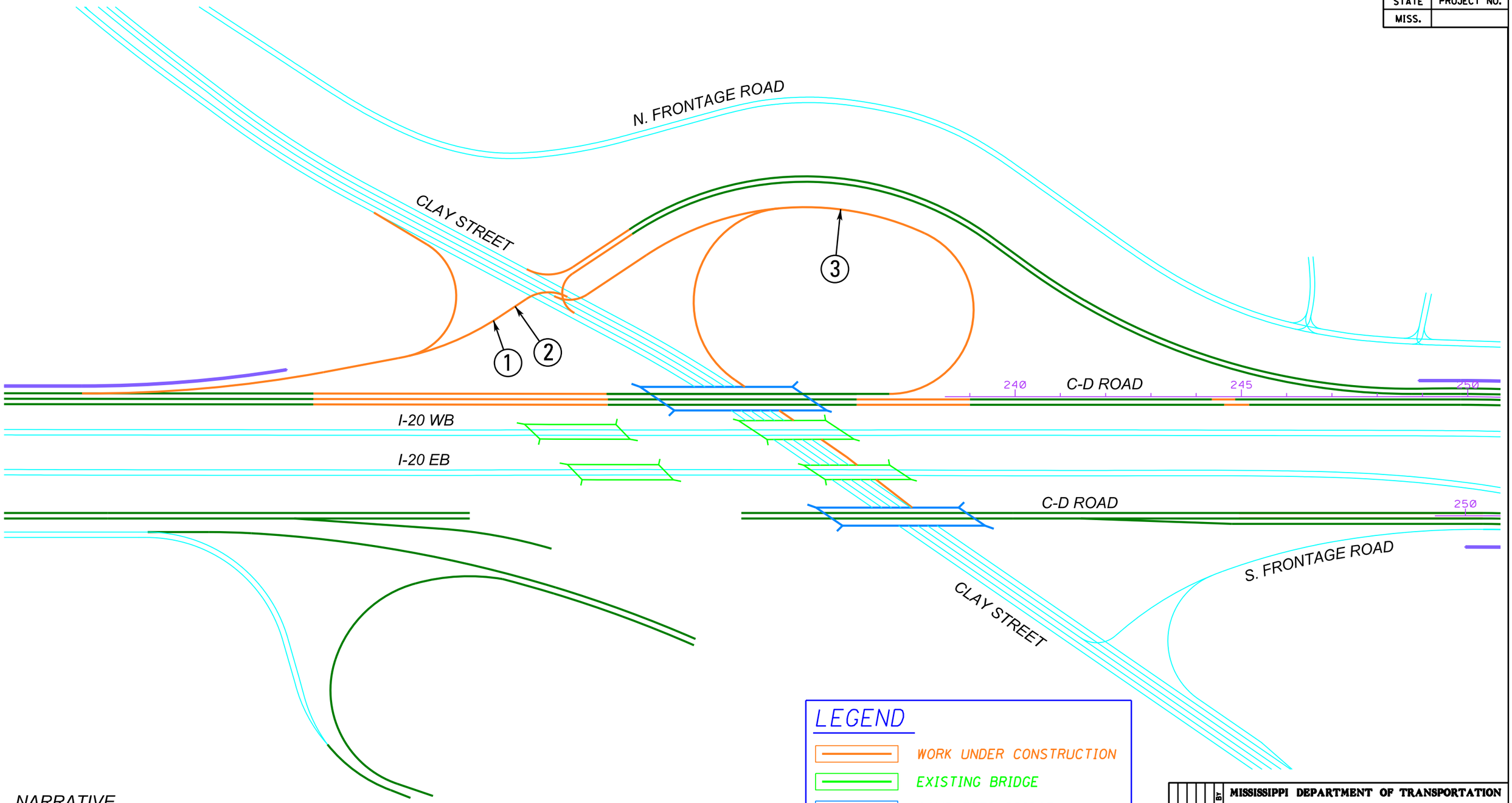
WORKING NUMBER

SHEET NUMBER

FILENAME: PROJ7 PHA.DGN
DESIGN TEAM _____ CHECKED _____ DATE _____

3/16/2011 14:37:14 PROJ7 PHA.DGN

STATE	PROJECT NO.
MISS.	



LEGEND

- WORK UNDER CONSTRUCTION
- EXISTING BRIDGE
- COMPLETED BRIDGE
- EXISTING LANES
- COMPLETED ROADWAY (NOT OPEN TO TRAFFIC)
- RETAINING WALL

NARRATIVE

PROJECT 7
PHASE A3

1. CONSTRUCT NEW TEMPORARY INTERCHANGE RAMP - CLAY STREET TO N. FRONTAGE ROAD / C-D.
2. REDIRECT CLAY STREET TO I-20WB TRAFFIC ONTO NEW INTERCHANGE RAMP - CLAY STREET TO N. FRONTAGE ROAD / C-D.
3. CONSTRUCT NEW LOOP & RAMPS - CLAY STREET NW.

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 7
PHASE A3

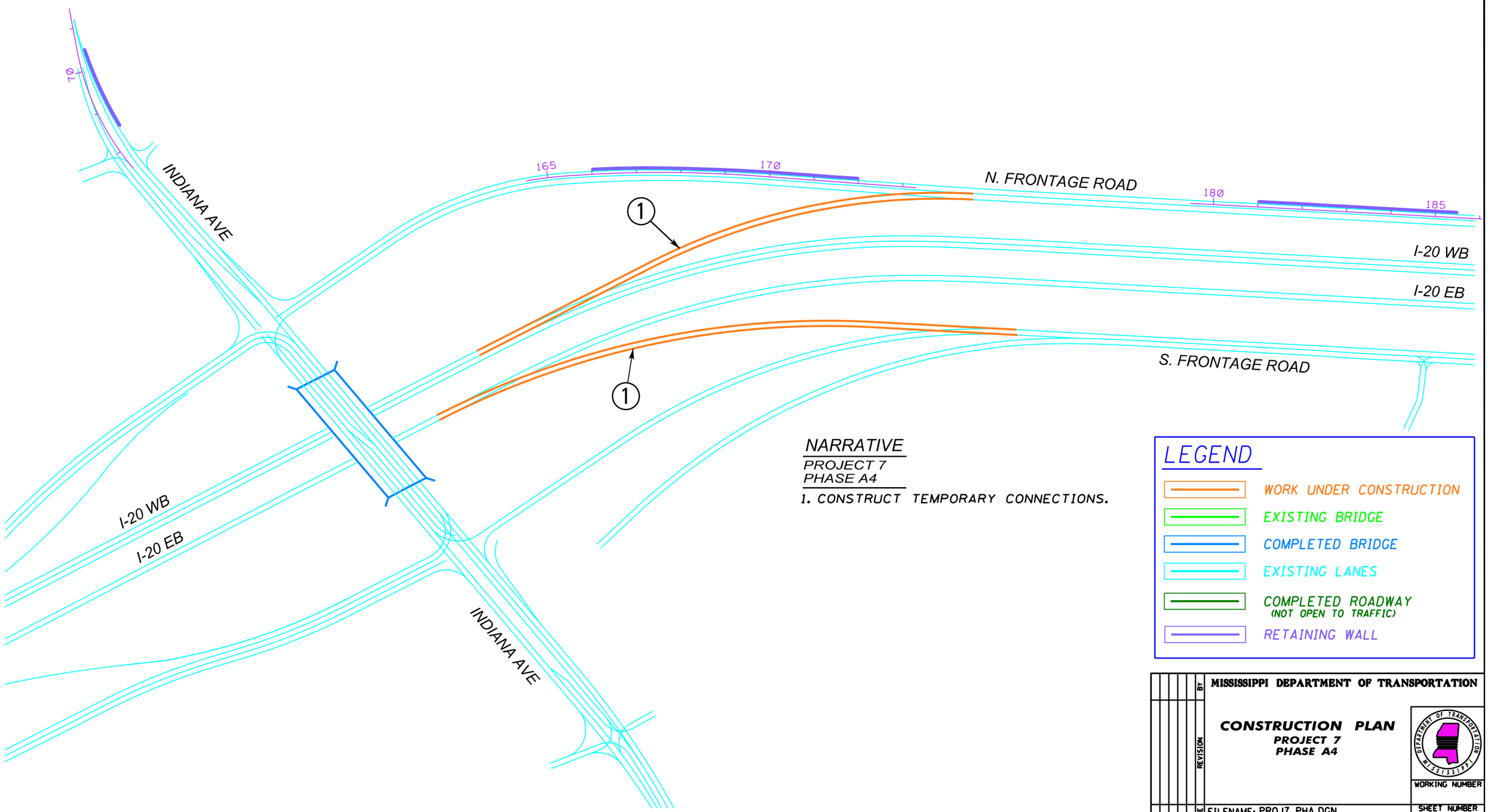
WORKING NUMBER

SHEET NUMBER

FILENAME: PROJ7 PHA.DGN
DESIGN TEAM _____ CHECKED _____ DATE _____

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
2/18/2011 14:39:25 PROJ7 PHA.DGN

STATE	PROJECT NO.
MISS.	



DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 7
PHASE A4

WORKING NUMBER

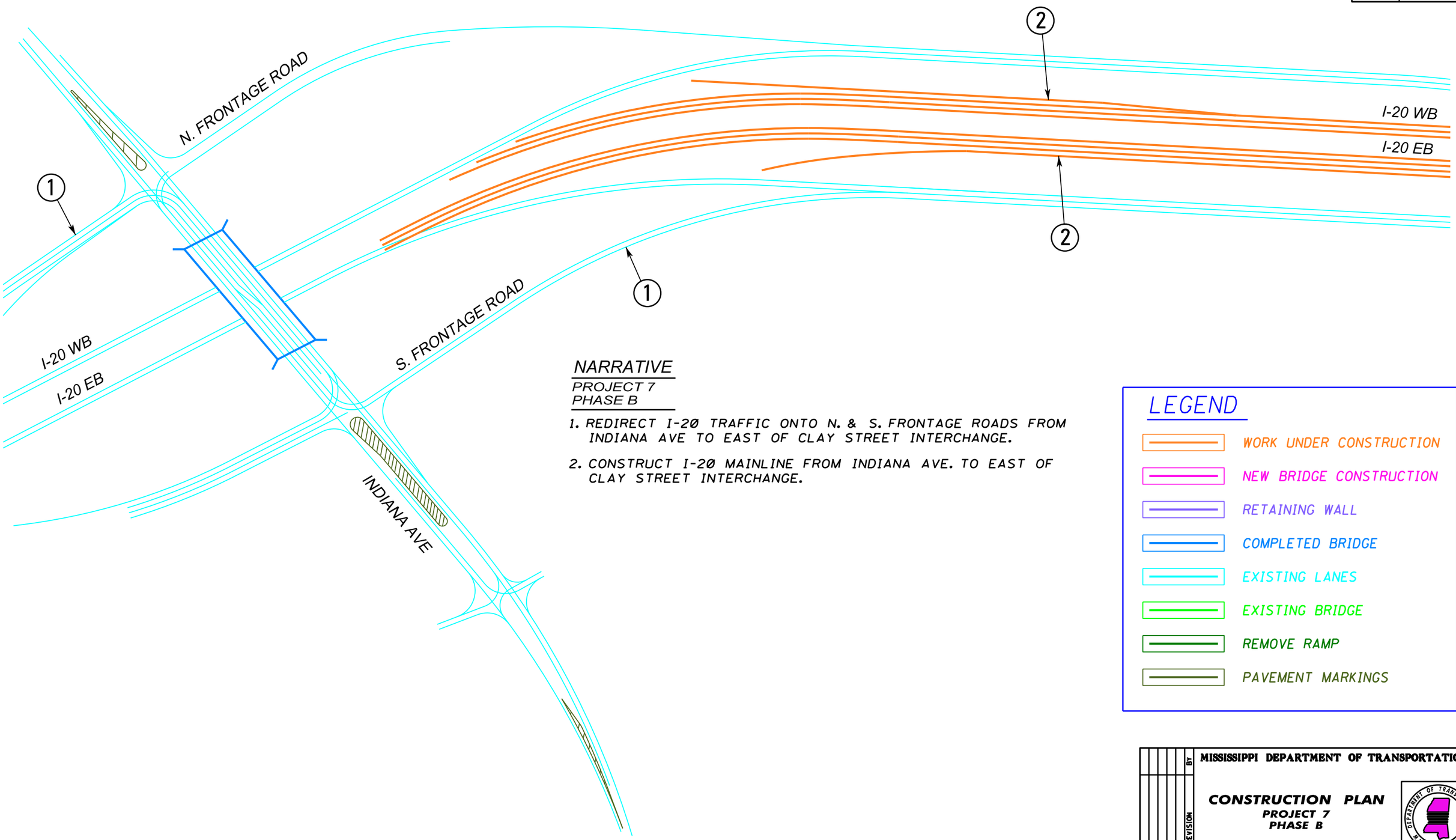
FILENAME: PROJ7 PHA.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

SHEET NUMBER

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
2/18/2011 14:39:44 PROJ7 PHA.DGN

STATE	PROJECT NO.
MISS.	



NARRATIVE

PROJECT 7
PHASE B

1. REDIRECT I-20 TRAFFIC ONTO N. & S. FRONTAGE ROADS FROM INDIANA AVE TO EAST OF CLAY STREET INTERCHANGE.
2. CONSTRUCT I-20 MAINLINE FROM INDIANA AVE. TO EAST OF CLAY STREET INTERCHANGE.

LEGEND

- WORK UNDER CONSTRUCTION
- NEW BRIDGE CONSTRUCTION
- RETAINING WALL
- COMPLETED BRIDGE
- EXISTING LANES
- EXISTING BRIDGE
- REMOVE RAMP
- PAVEMENT MARKINGS

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 7
PHASE B

WORKING NUMBER

SHEET NUMBER

FILENAME: PROJ7 PHB.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

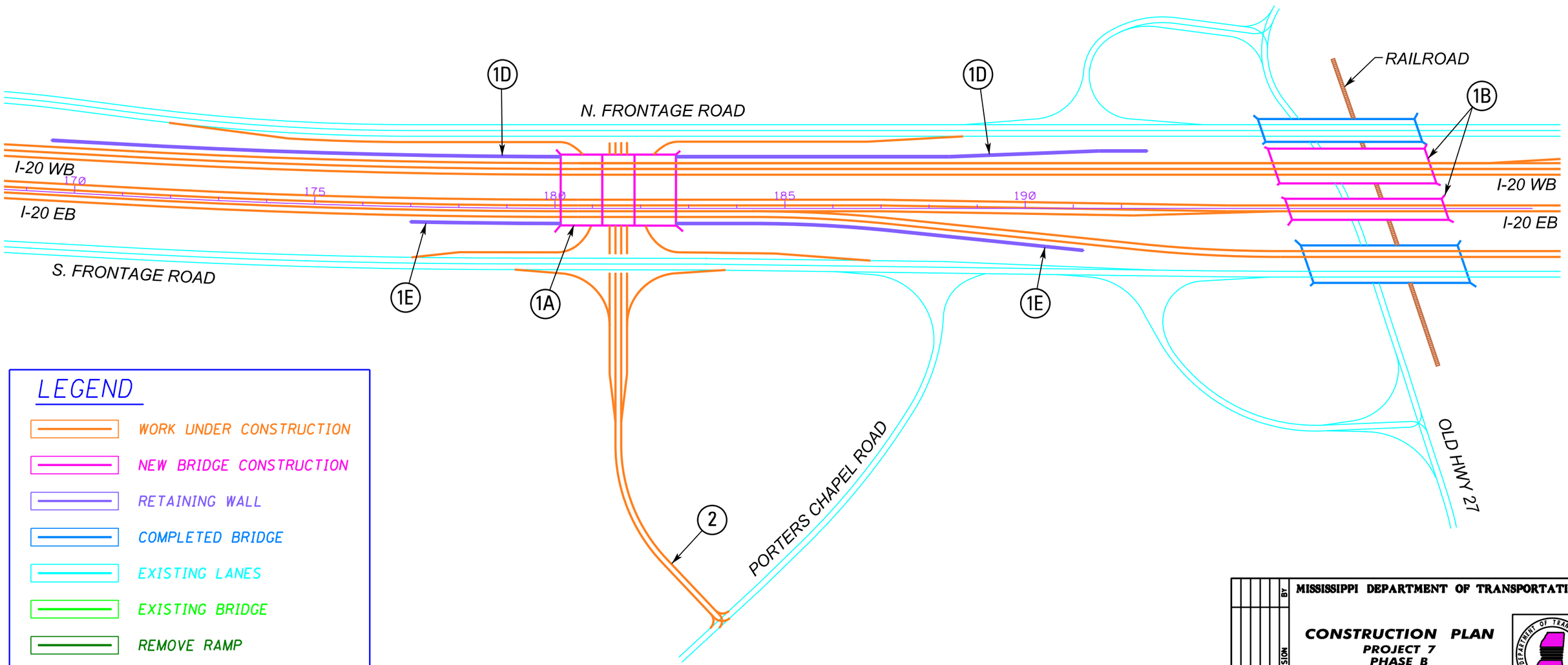
2/10/2011 15:09:58 PROJ7 PHB.DGN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

STATE	PROJECT NO.
MISS.	

NARRATIVE

PROJECT 7
PHASE B

1. CONSTRUCT I-20 MAINLINE FROM INDIANA AVE. TO EAST OF CLAY STREET INTERCHANGE.
   A. A CIRCULATION BRIDGE WEST OF THE RAILROAD.
   B. TWO BRIDGES OVER OLD HWY 27 / RAILROAD.
   C. TWO BRIDGES OVER CLAY STREET.
   D. LEFT RETAINING WALL FROM STA. 169+00 TO STA. 180+12 & STA. 182+74 TO STA. 192+50.
   E. RIGHT RETAINING WALL FROM STA. 177+00 TO STA. 180+12 & STA. 182+74 TO STA. 191+50.
2. CONSTRUCT PORTERS CHAPEL ROAD CONNECTING ROAD.
3. CONSTRUCT I-20 WB ENTRANCE NEAR STA. 220+00.



LEGEND

- WORK UNDER CONSTRUCTION
- NEW BRIDGE CONSTRUCTION
- RETAINING WALL
- COMPLETED BRIDGE
- EXISTING LANES
- EXISTING BRIDGE
- REMOVE RAMP
- PAVEMENT MARKINGS

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 7
PHASE B

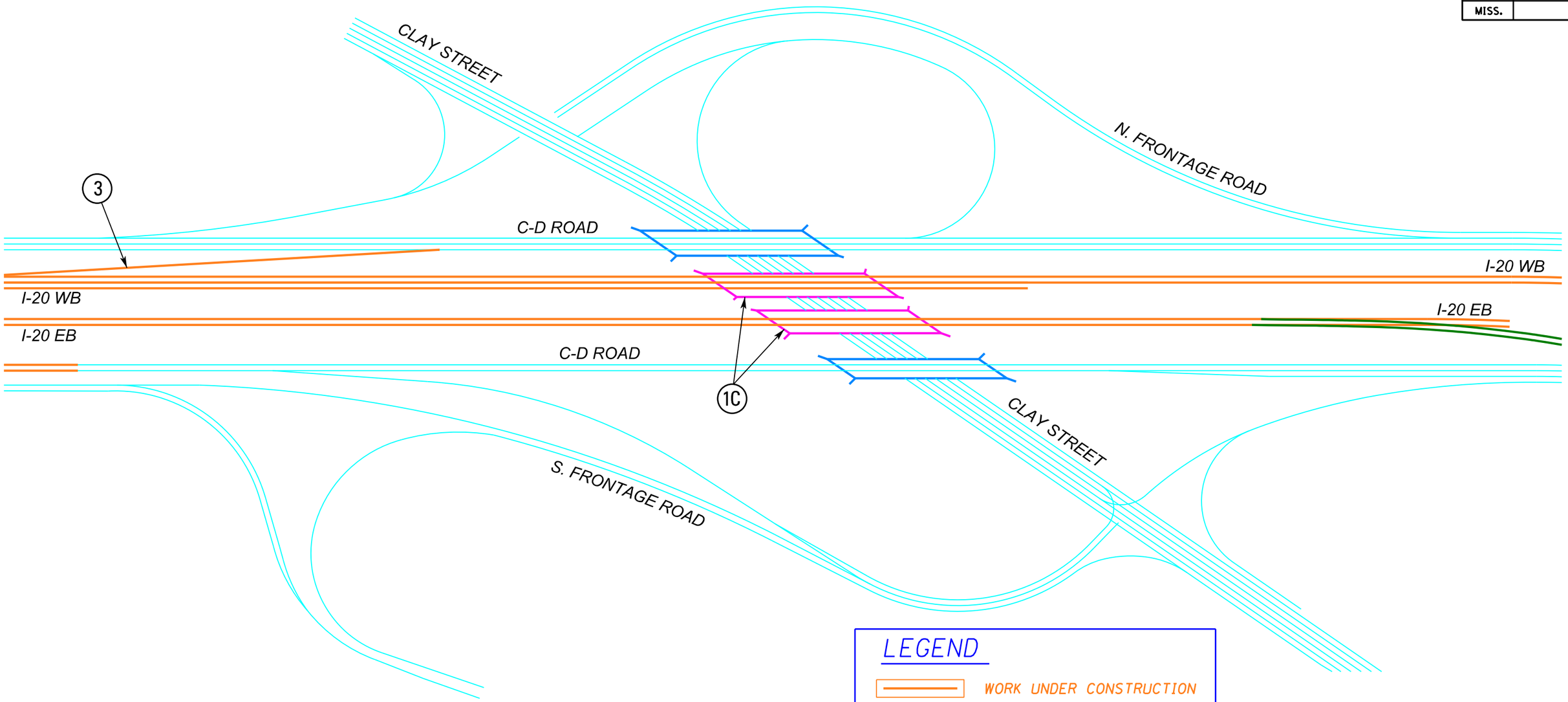
WORKING NUMBER

SHEET NUMBER

FILENAME: PROJ7 PHB.DGN
DESIGN TEAM _____ CHECKED _____ DATE _____

2/18/2011 14:57:39 PROJ7 PHB.DGN
PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

STATE	PROJECT NO.
MISS.	



NARRATIVE

PROJECT 7
PHASE B

1. CONSTRUCT I-20 MAINLINE FROM INDIANA AVE. TO EAST OF CLAY STREET INTERCHANGE.
   A. A CIRCULATION BRIDGE WEST OF THE RAILROAD.
   B. TWO BRIDGES OVER OLD HWY 27 / RAILROAD.
   C. TWO BRIDGES OVER CLAY STREET.
   D. LEFT RETAINING WALL FROM STA. 169+00 TO STA. 180+12 & STA. 182+74 TO STA. 192+50.
   E. RIGHT RETAINING WALL FROM STA. 177+00 TO STA. 180+12 & STA. 182+74 TO STA. 191+50.
2. CONSTRUCT PORTERS CHAPEL ROAD CONNECTING ROAD.
3. CONSTRUCT I-20 WB ENTRANCE NEAR STA. 220+00.

LEGEND

- WORK UNDER CONSTRUCTION
- NEW BRIDGE CONSTRUCTION
- RETAINING WALL
- COMPLETED BRIDGE
- EXISTING LANES
- EXISTING BRIDGE
- REMOVE RAMP
- PAVEMENT MARKINGS

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 7
PHASE B

REVISION | BY | DATE

WORKING NUMBER

SHEET NUMBER

FILENAME: PROJ7 PHB.DGN
DESIGN TEAM _____ CHECKED _____ DATE _____

2/18/2011 14:57:56 PROJ7 PHB.DGN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

STATE	PROJECT NO.
MISS.	

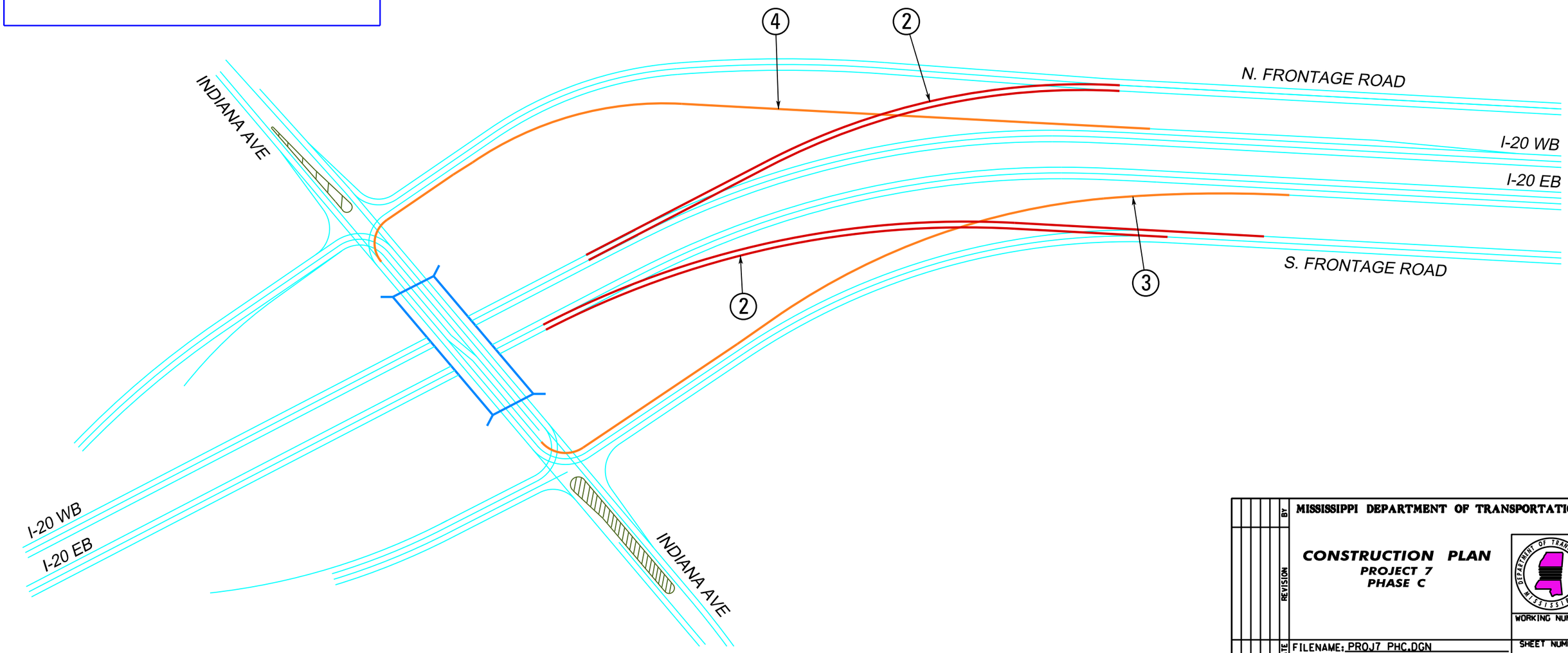
LEGEND

- WORK UNDER CONSTRUCTION
- NEW BRIDGE CONSTRUCTION
- RETAINING WALL
- COMPLETED BRIDGE
- EXISTING LANES
- EXISTING BRIDGE
- COMPLETED ROADWAY (NOT OPEN TO TRAFFIC)
- REMOVE CONNECTING ROADWAYS

NARRATIVE

PROJECT 7
PHASE C

1. REDIRECT I-20 TRAFFIC FROM THE DETOURS BACK ONTO THE COMPLETED MAINLINE.
2. REMOVE THE CONNECTING ROADS BETWEEN THE MAINLINE AND THE NORTH AND SOUTH FRONTAGE ROADS.
3. CONSTRUCT THE I-20 EB ENTRANCE RAMP FROM INDIANA AVE.
4. CONSTRUCT THE I-20 WB EXIT RAMP TO INDIANA AVE.



DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 7
PHASE C

WORKING NUMBER

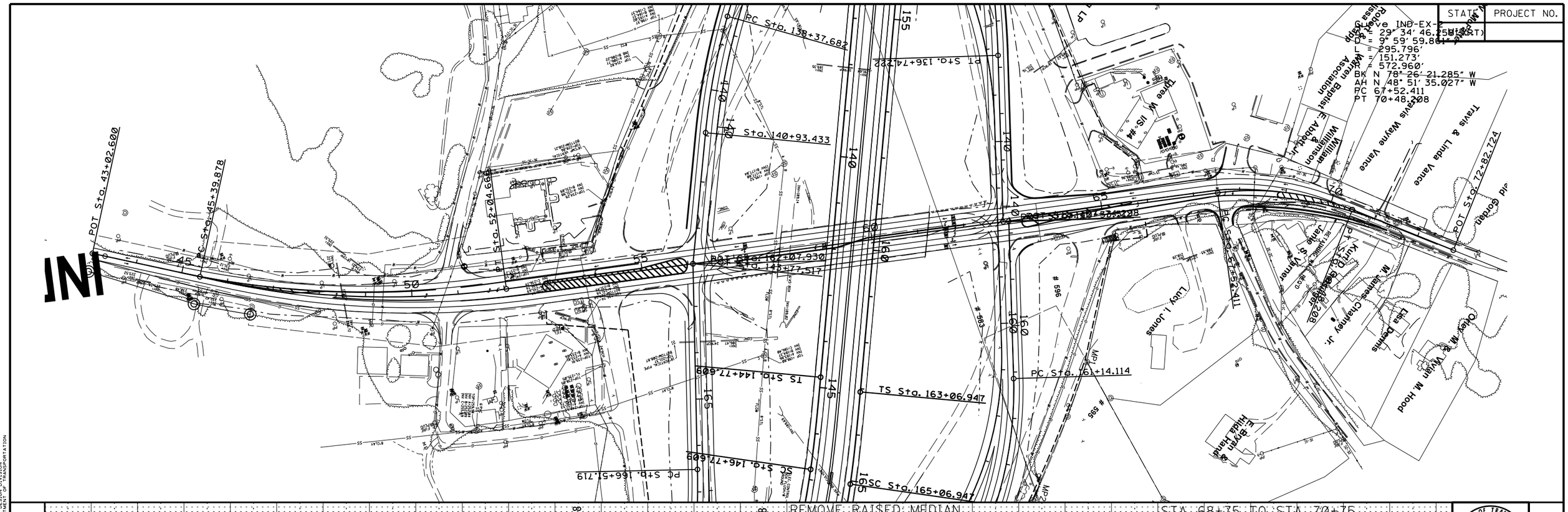
SHEET NUMBER

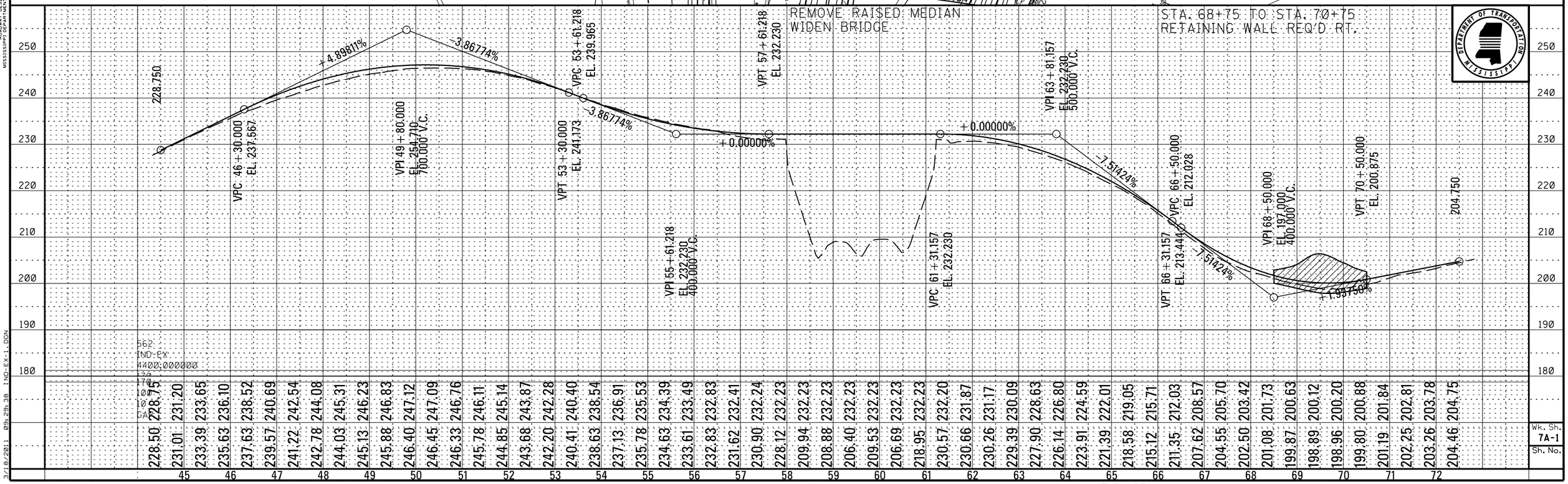
FILENAME: PROJ7 PHC.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

2/18/2011 15:03:57 PROJ7 PHC.DGN
PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

STATE	PROJECT NO.





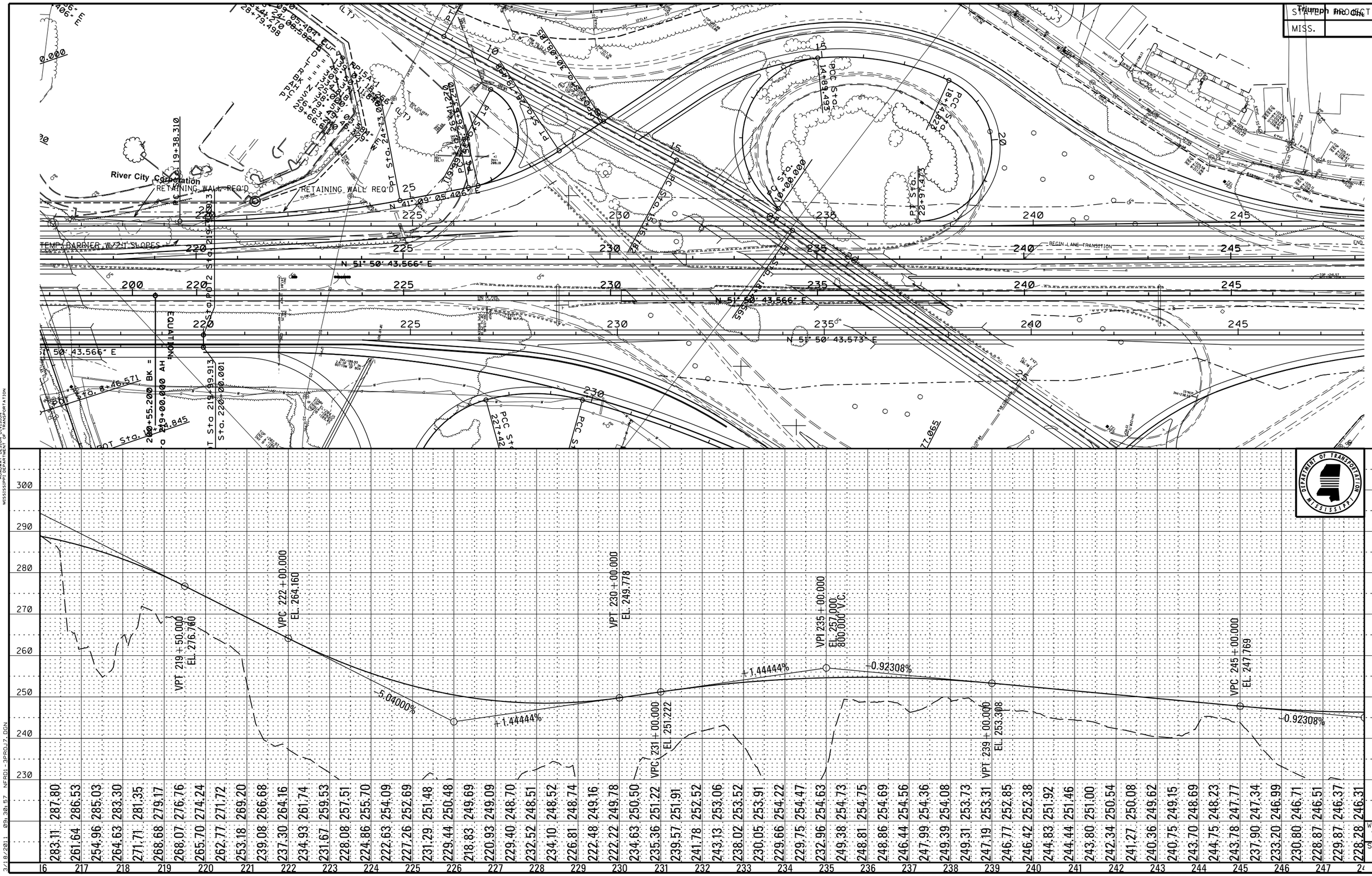
Wk. Sh. 7A-1
Sh. No.

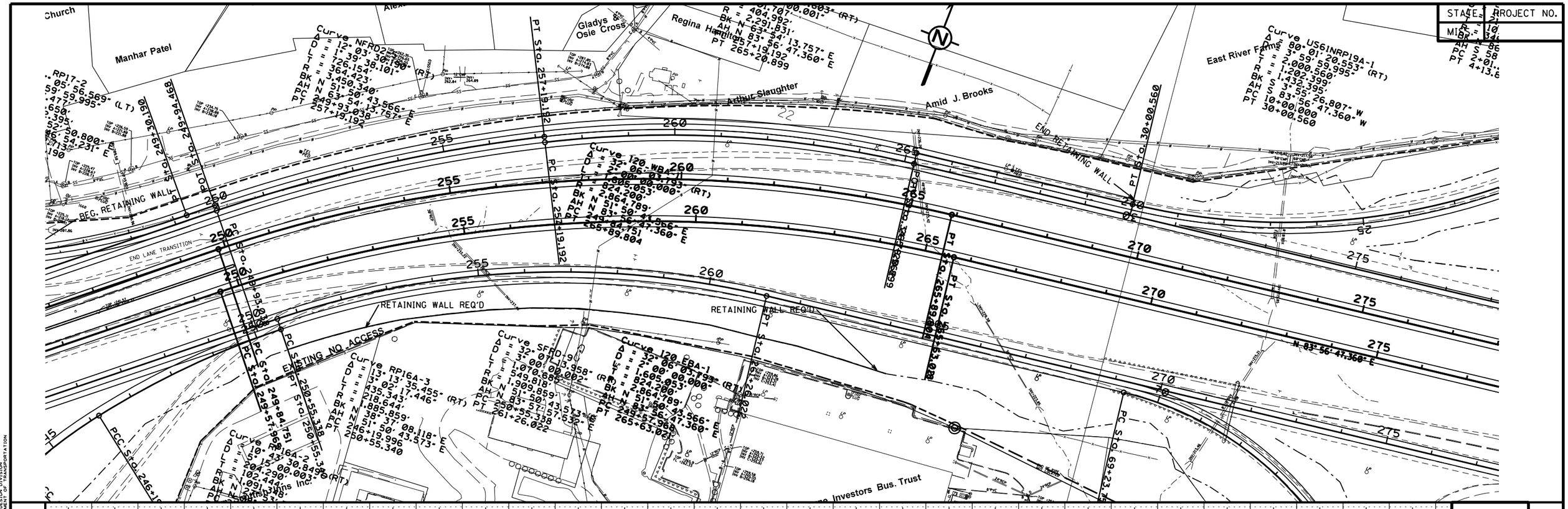
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

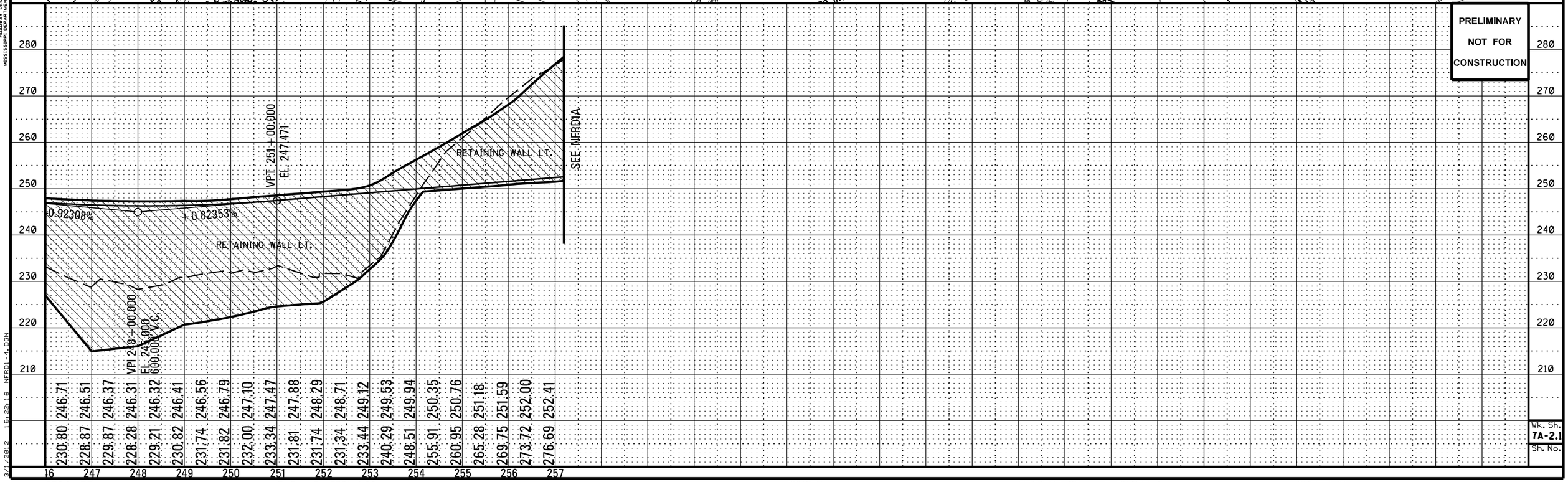
3/18/2011 09:29:38 IND-EX-1.DGN

DESIGN TEAM: FILENAME: IND-EX-1.DGN COUNTY: PROJECT NO. : 7 PHASE A SHEET ID:

STATE	PROJECT NO.
MISS.	







STAGE: PROJECT NO.

MISS.

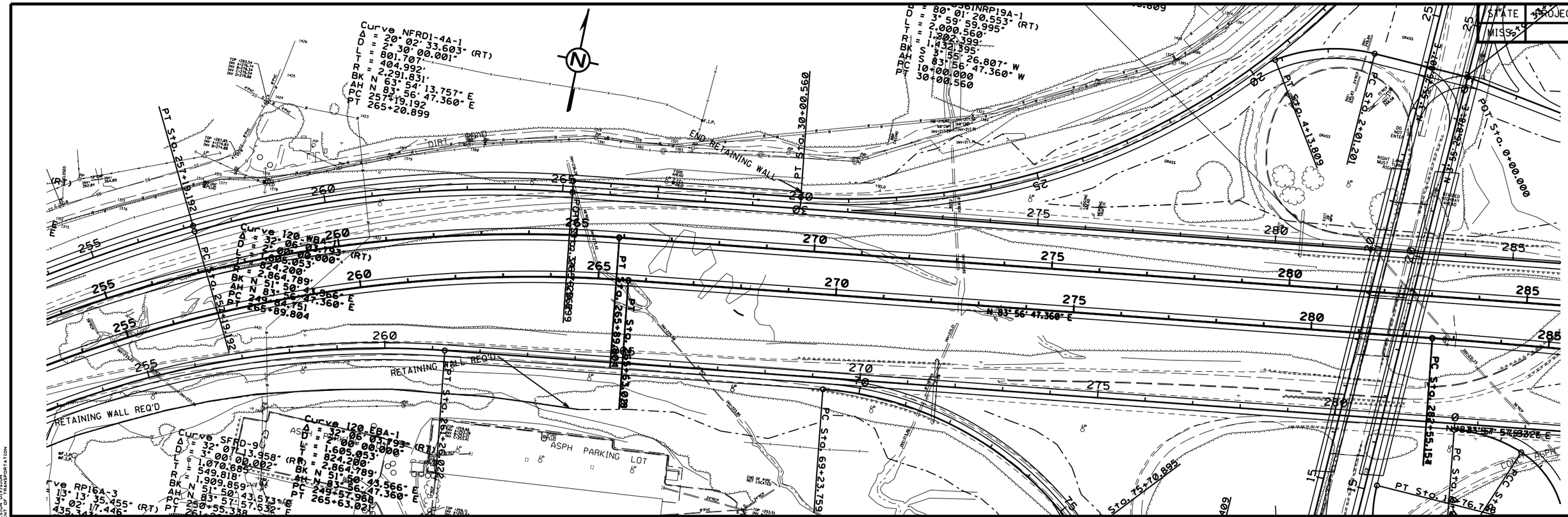
Wk. Sh. 7A-2.1 Sh. No.

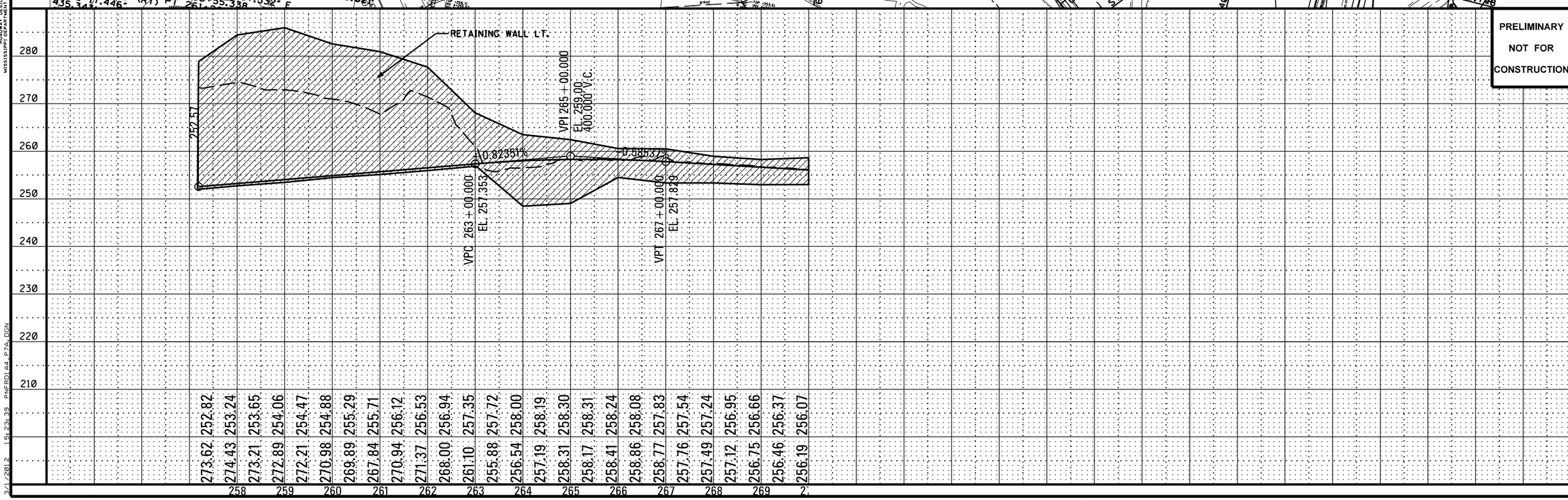
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/1/2012 15:22:16 NFRD1-4.DGN

DESIGN TEAM: FILENAME: NFRD1-4.DGN COUNTY: PROJECT NO. : 7 PHASE A SHEET ID:

STATE	PROJECT NO.
MISS.	





PRELIMINARY
NOT FOR
CONSTRUCTION

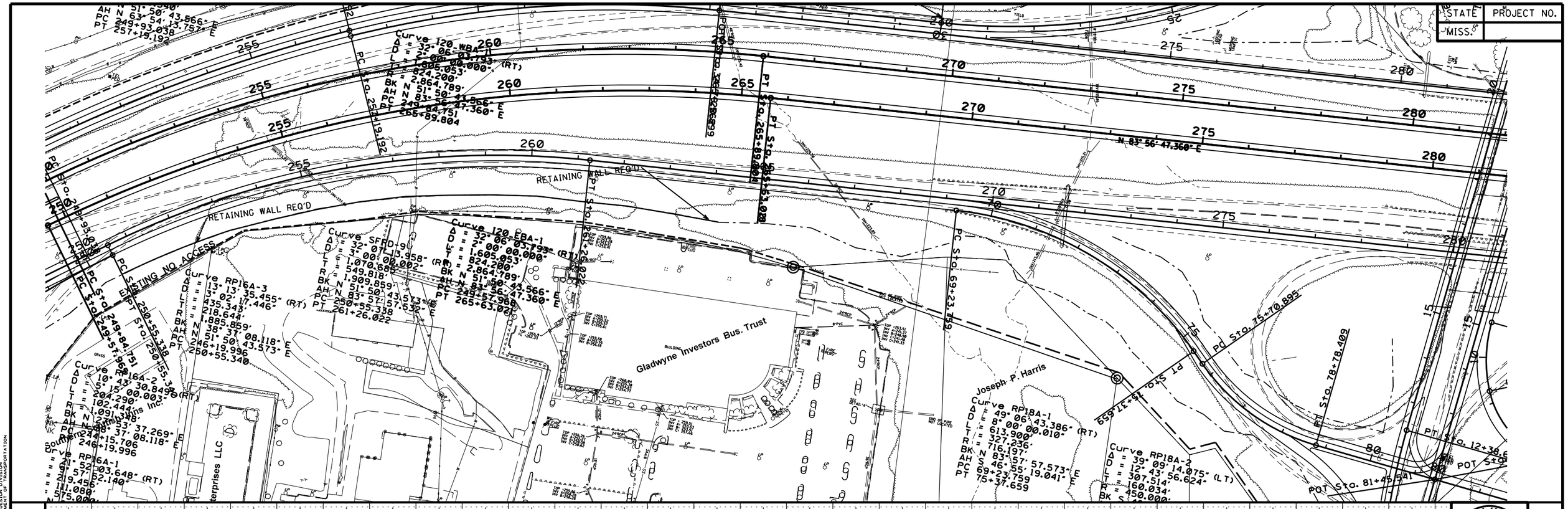
Wk. Sh.
7A-2.2
Sh. No.

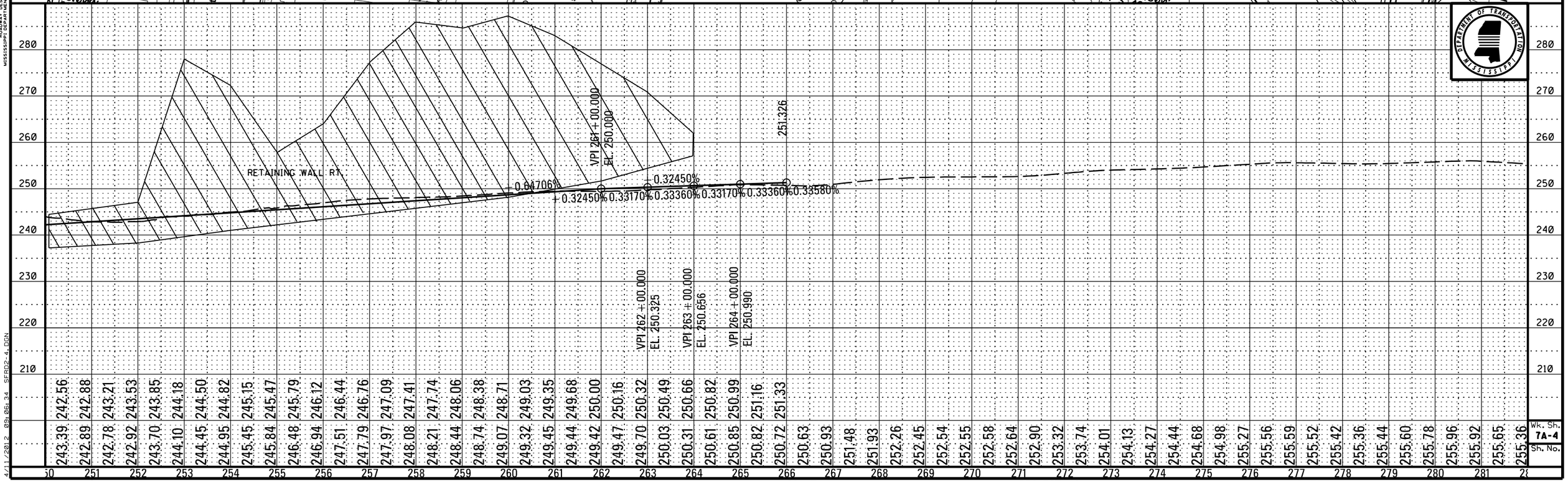
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/1/2012 15:23:39 PNFRD1A4_P7A.DGN

DESIGN TEAM: FILENAME: PNFRD1A4_P7A.DGN COUNTY: PROJECT NO. 7 PHASE A SHEET ID:

STATE	PROJECT NO.
MISS.	



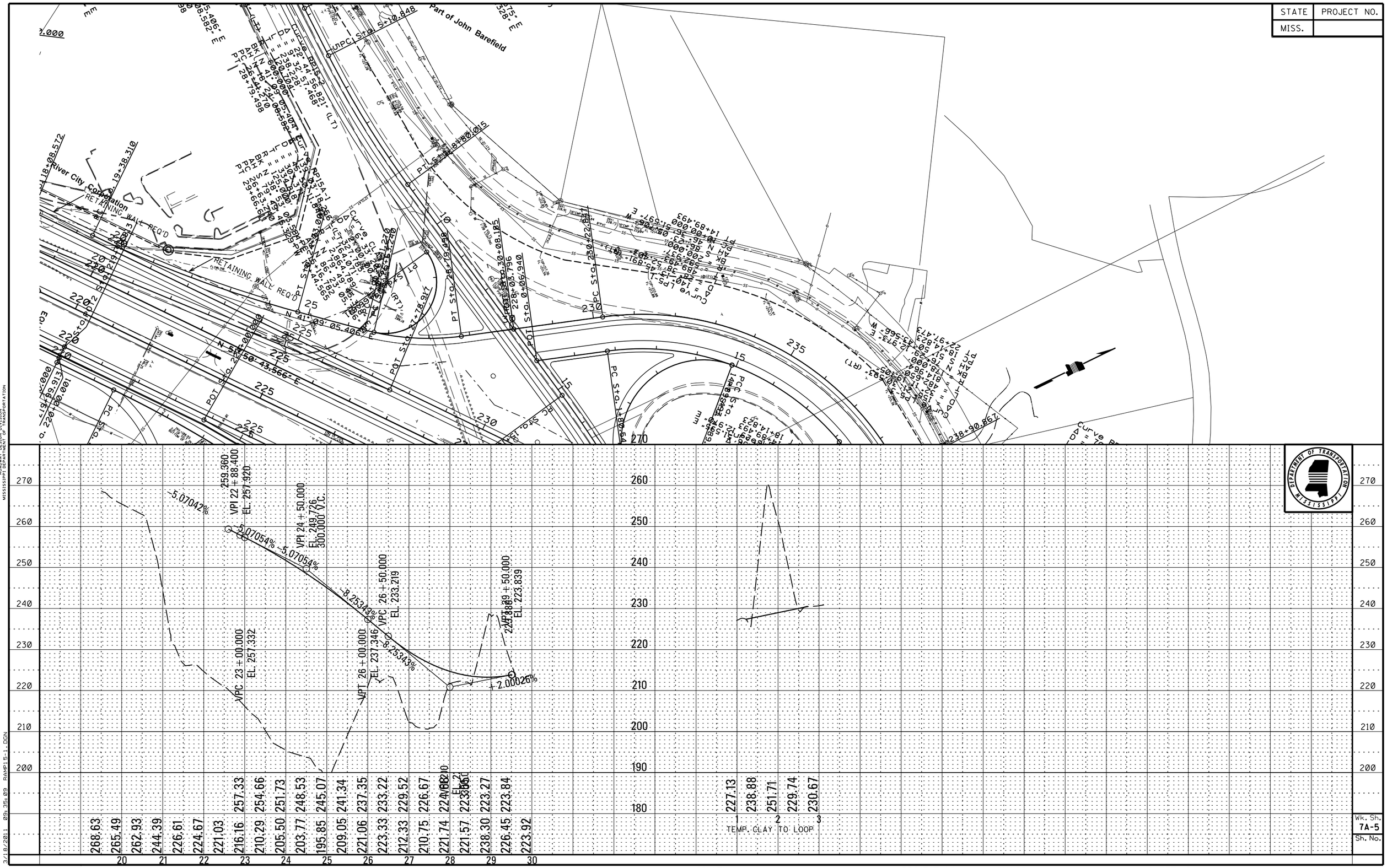


PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

4/11/2012 09:06:34 SFRD2-4.DGN

DESIGN TEAM: FILENAME: SFRD2-4.DGN COUNTY: PROJECT NO. : 7 PHASE A SHEET ID:

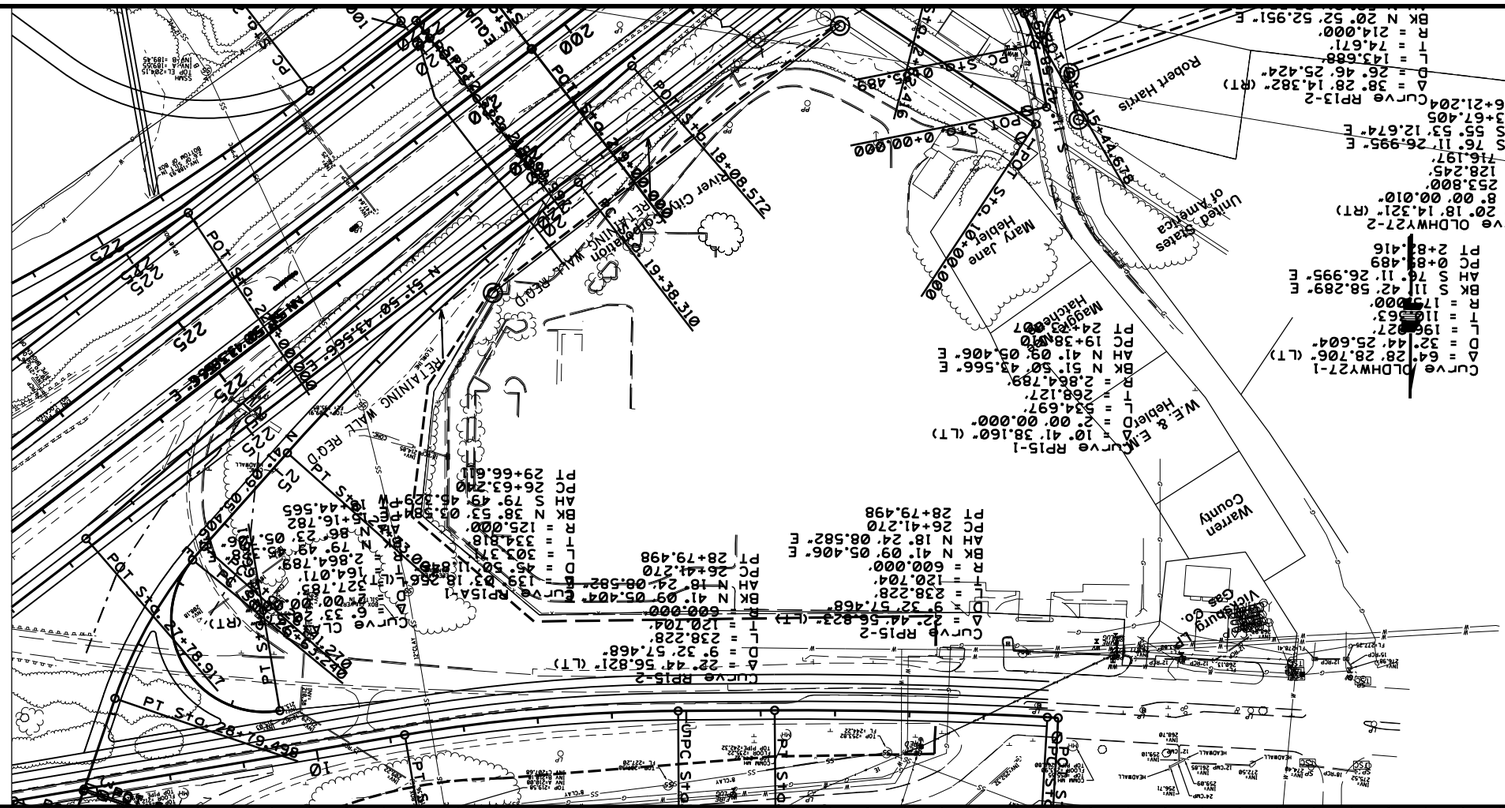
STATE	PROJECT NO.
MISS.	

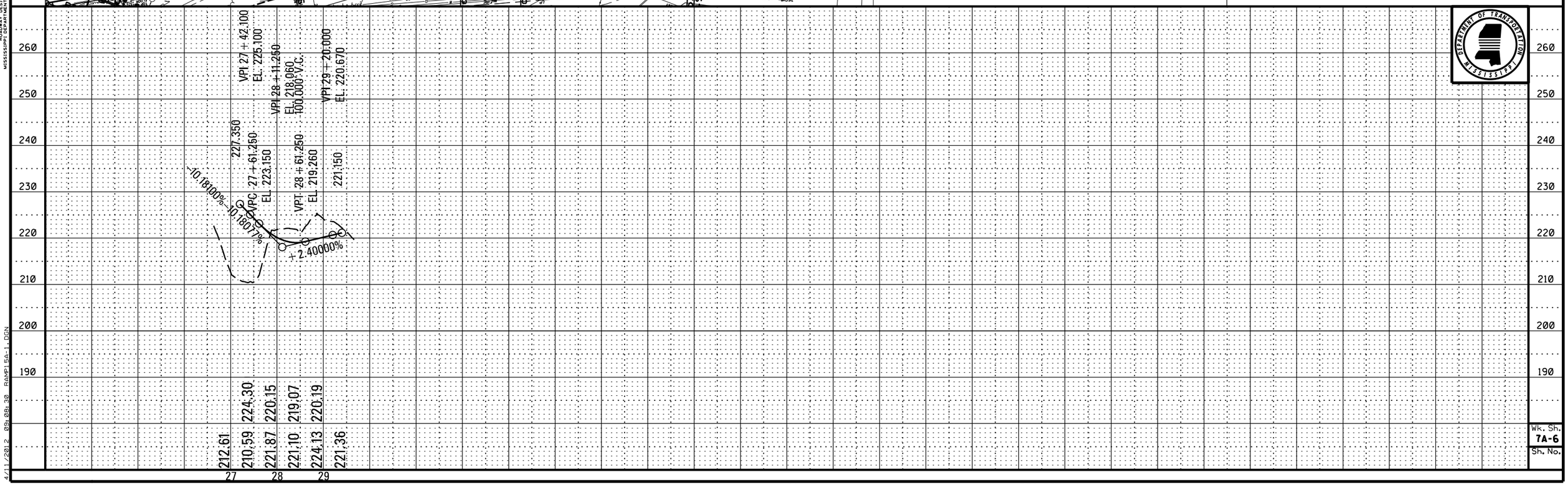


DESIGN TEAM: FILENAME: RAMP15-1.DGN COUNTY: PROJECT NO. : 7 PHASE A SHEET ID:

Wk. Sh. 7A-5
Sh. No.

STATE	PROJECT NO.
MISS.	



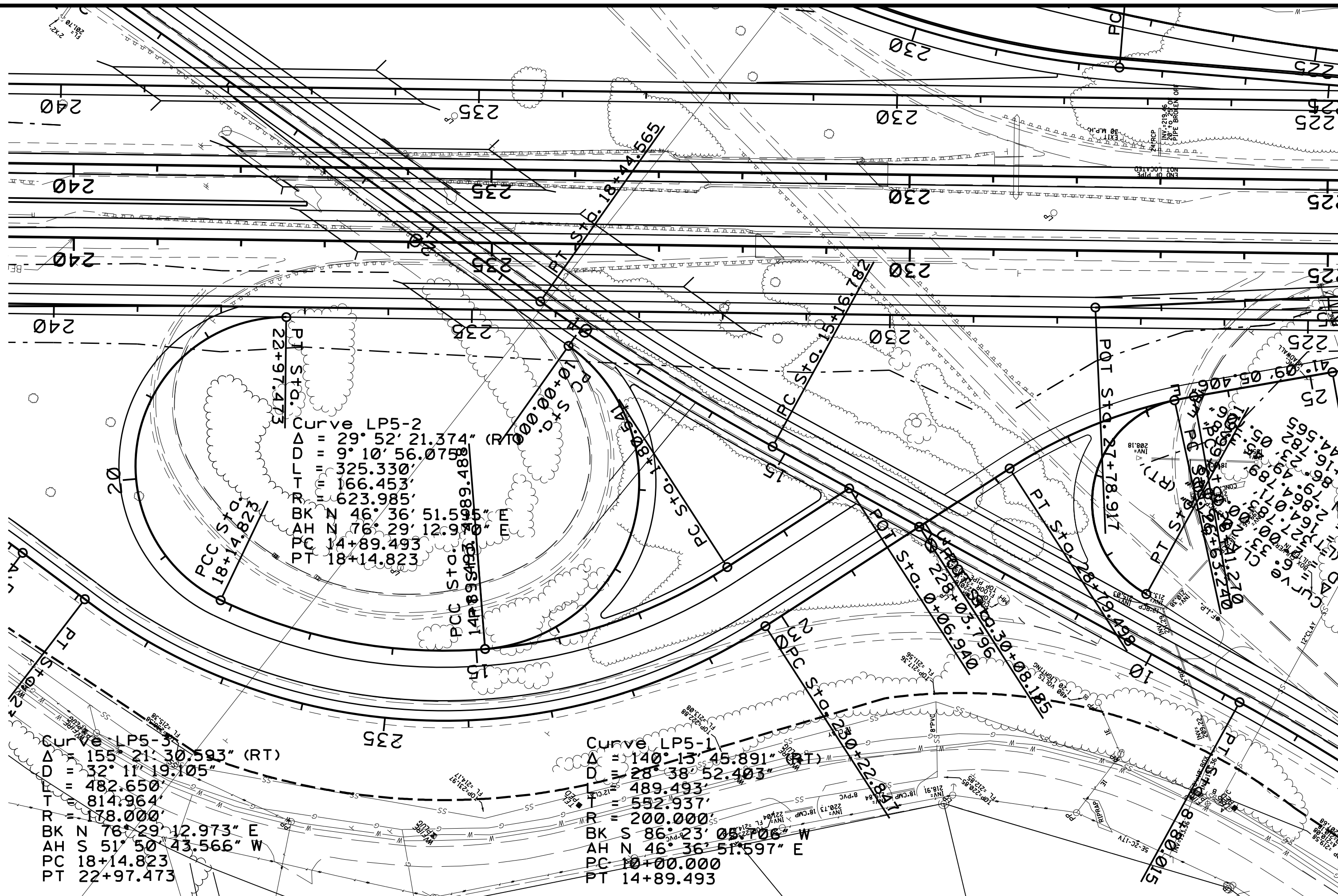


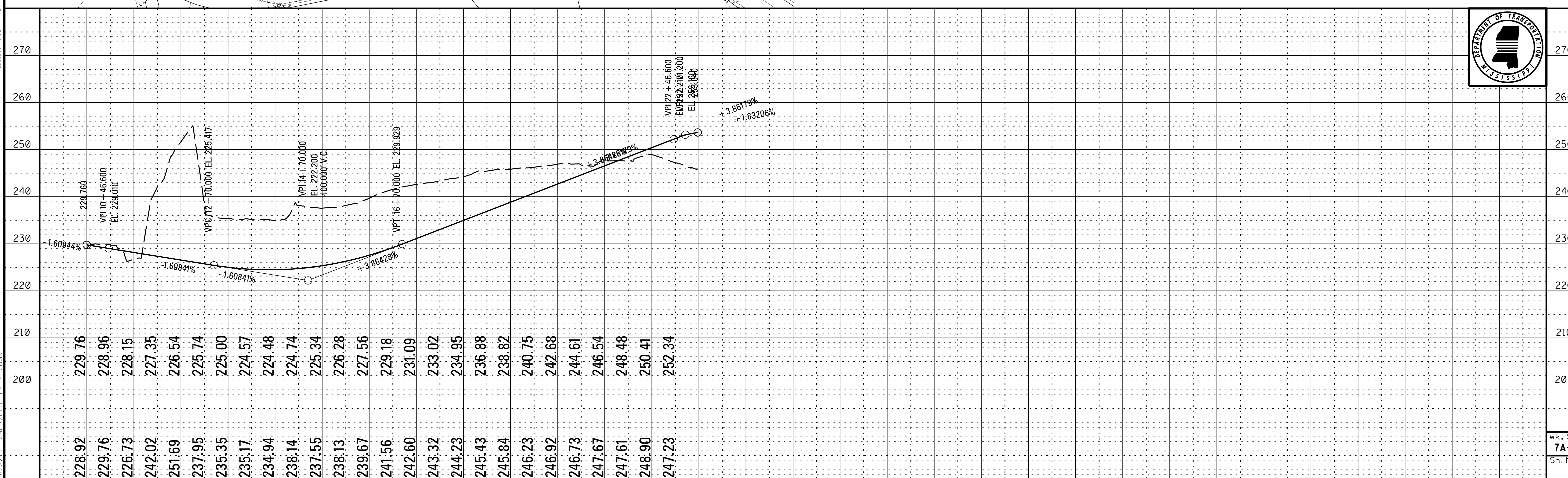
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

4/11/2012 09:08:30 RAMP15A-1.DGN

DESIGN TEAM: FILENAME: RAMP15A-1.DGN COUNTY: PROJECT NO. : 7 PHASE A SHEET ID:

STATE	PROJECT NO.
MISS.	





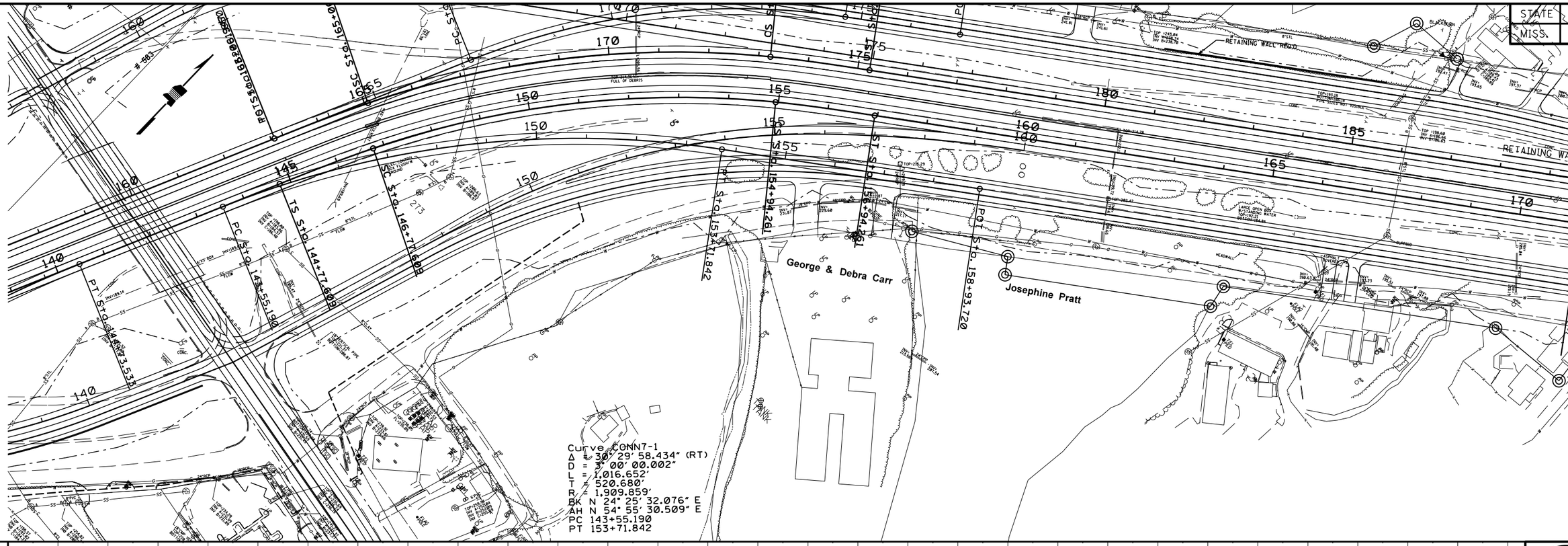
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

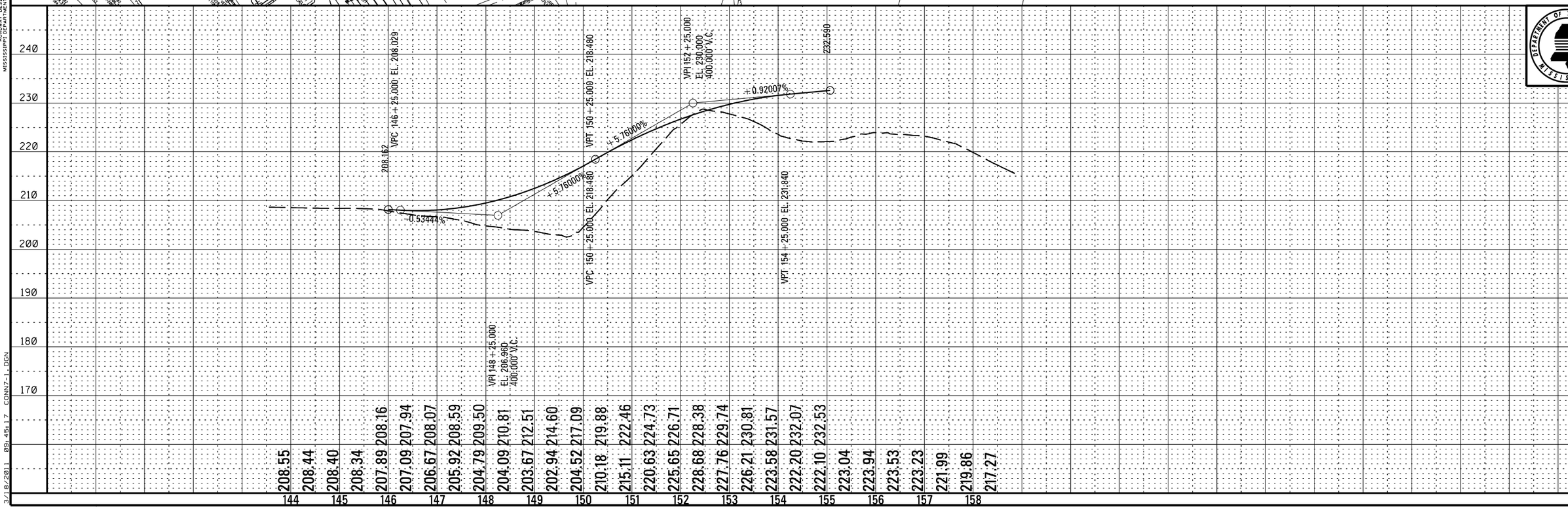
Wk. Sh. 7A-7
Sh. No.

3/18/2011 09:37:13 LP5-1.DGN

DESIGN TEAM: FILENAME: LP5-1.DGN COUNTY: PROJECT NO.: 7 PHASE A SHEET ID:

STATE	PROJECT NO.
MISS.	





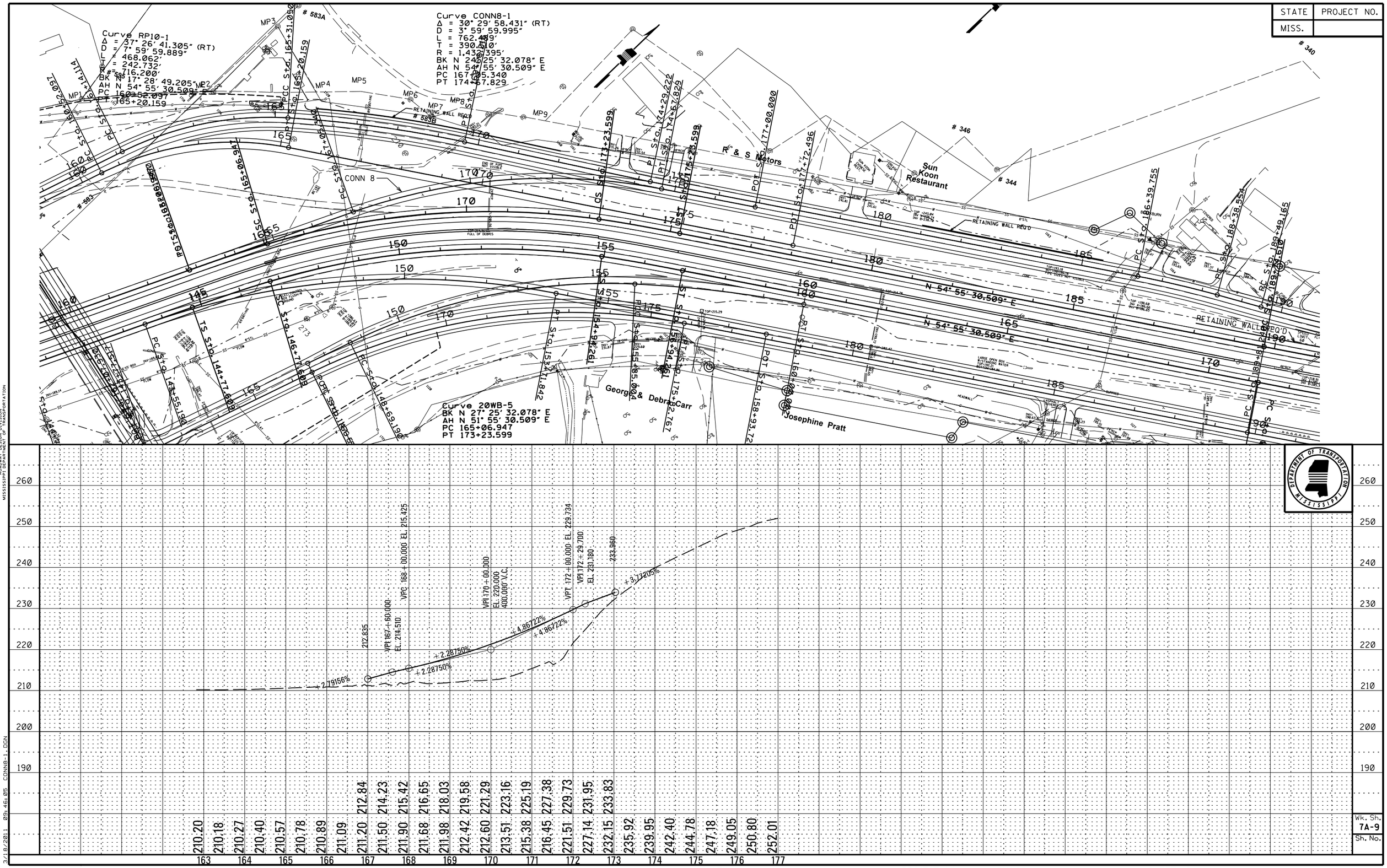
Wk. Sh. 7A-8
Sh. No.

PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/18/2011 09:45:17 CONN7-1.DGN

DESIGN TEAM: FILENAME: CONN7-1.DGN COUNTY: PROJECT NO. : 7 PHASE A SHEET ID:

STATE	PROJECT NO.
MISS.	

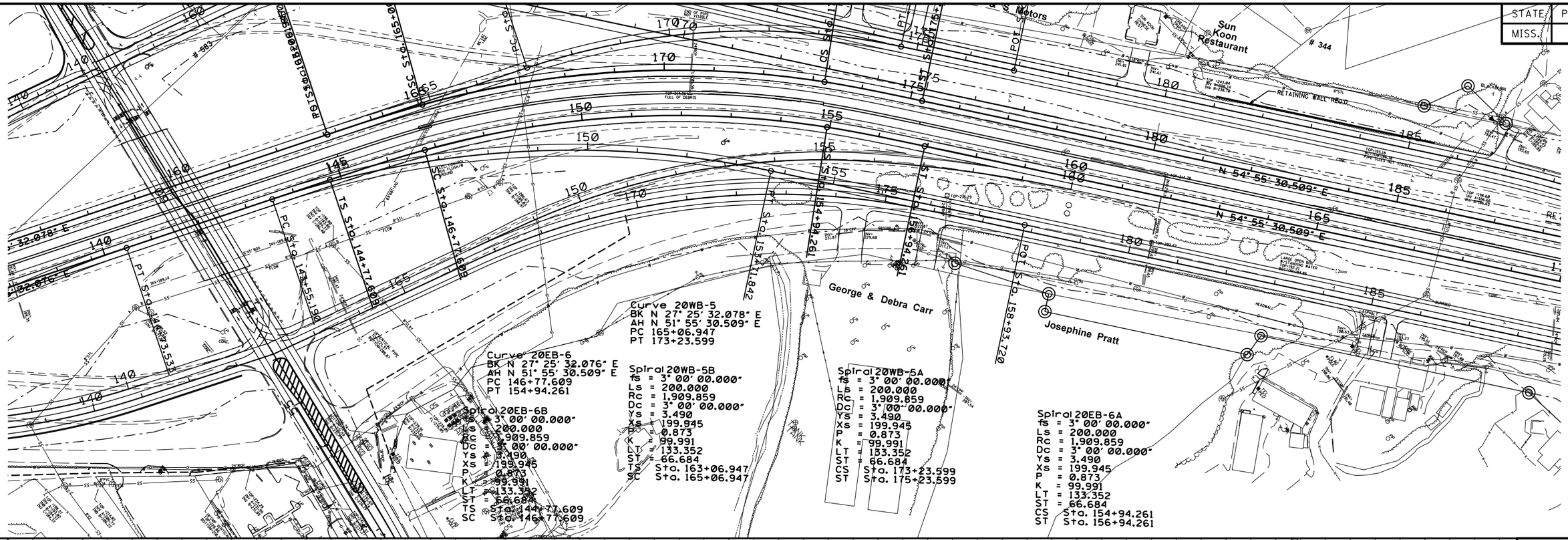


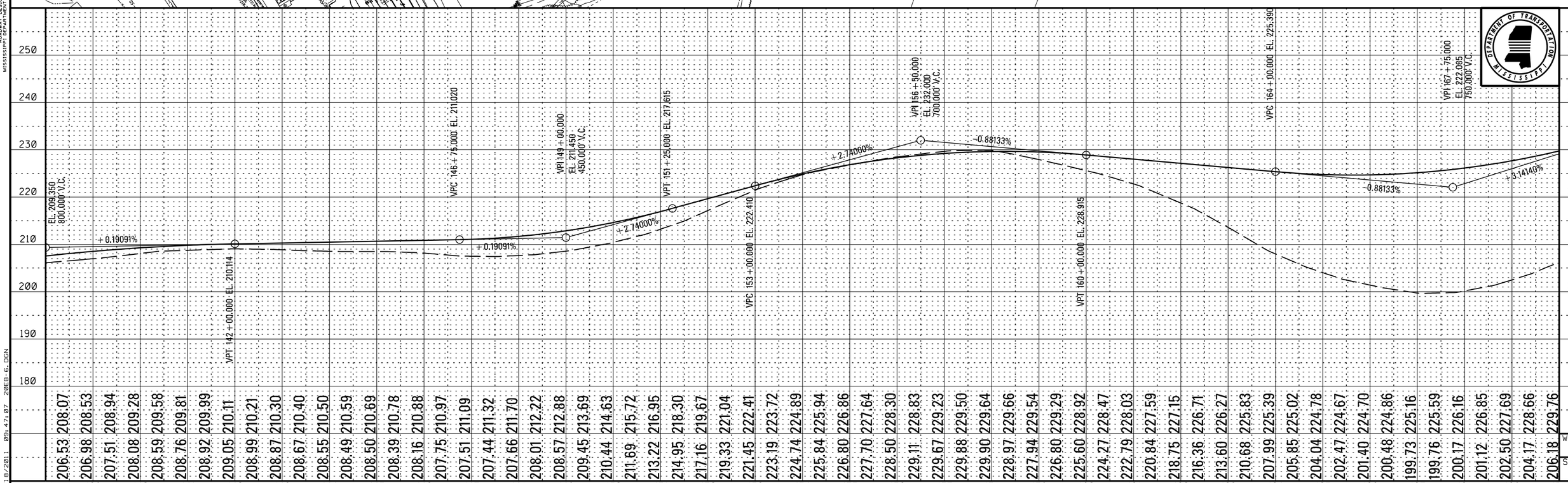
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/18/2011 09:46:05 CONN8-1.DGN

DESIGN TEAM: FILENAME: CONN8-1.DGN COUNTY: PROJECT NO. : 7 PHASE A SHEET ID:

STATE	PROJECT NO.
MISS.	



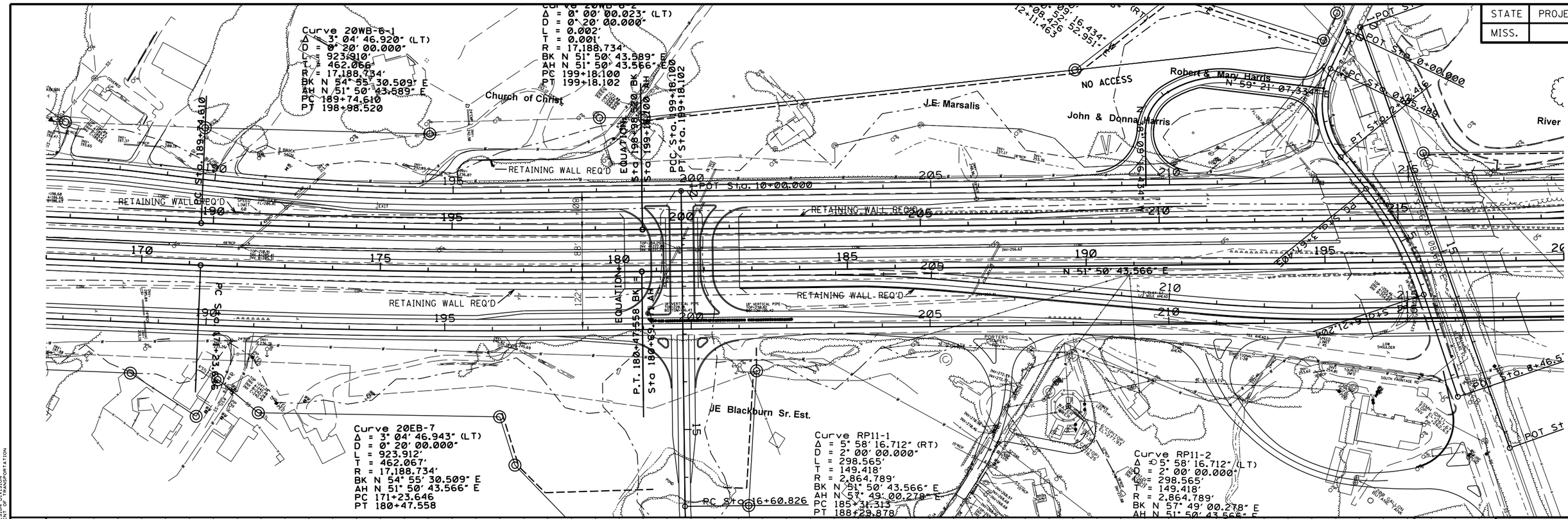


PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

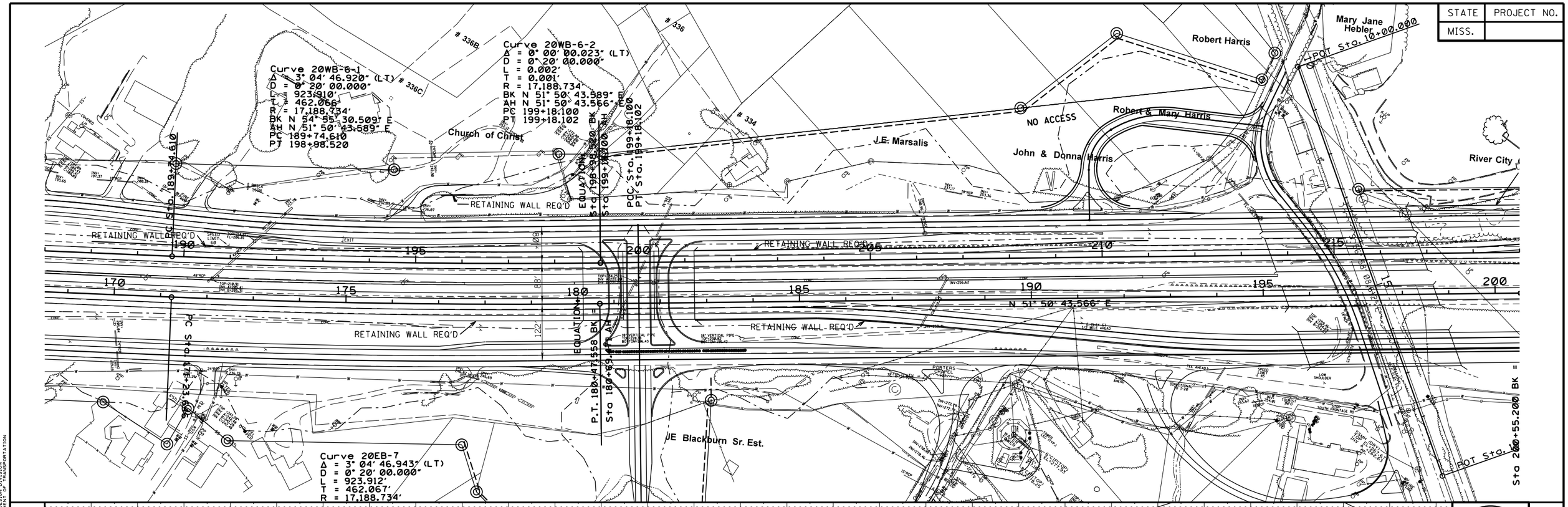
3/18/2011 09:47:07 20EB-6.DGN

DESIGN TEAM: FILENAME: 20EB-6.DGN COUNTY: PROJECT NO. : 7 PHASE B SHEET ID:

STATE	PROJECT NO.
MISS.	

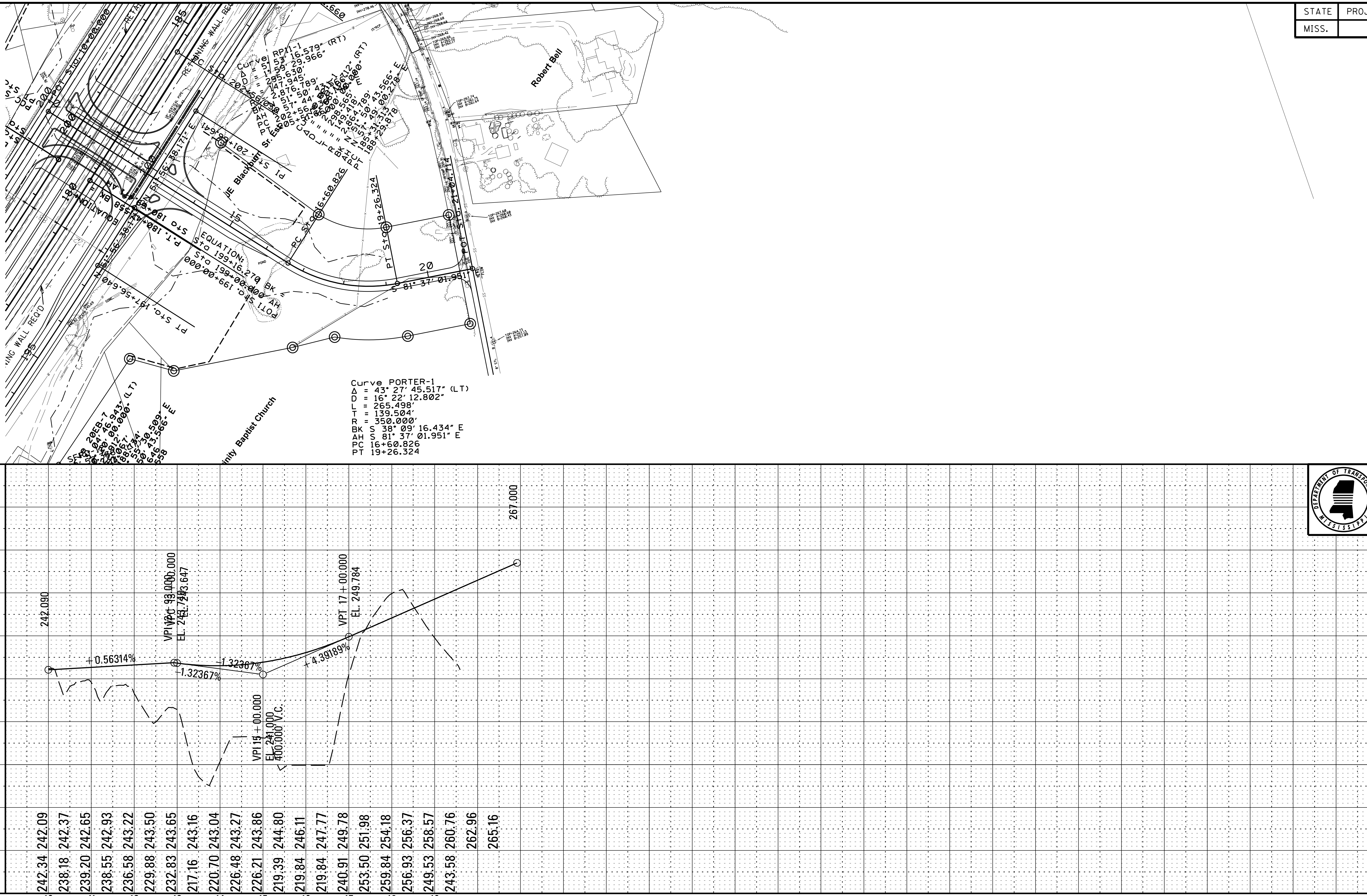


STATE	PROJECT NO.
MISS.	



DESIGN TEAM: FILENAME: 20WB-7.DGN COUNTY: PROJECT NO. : 7 PHASE B SHEET ID:

STATE	PROJECT NO.
MISS.	



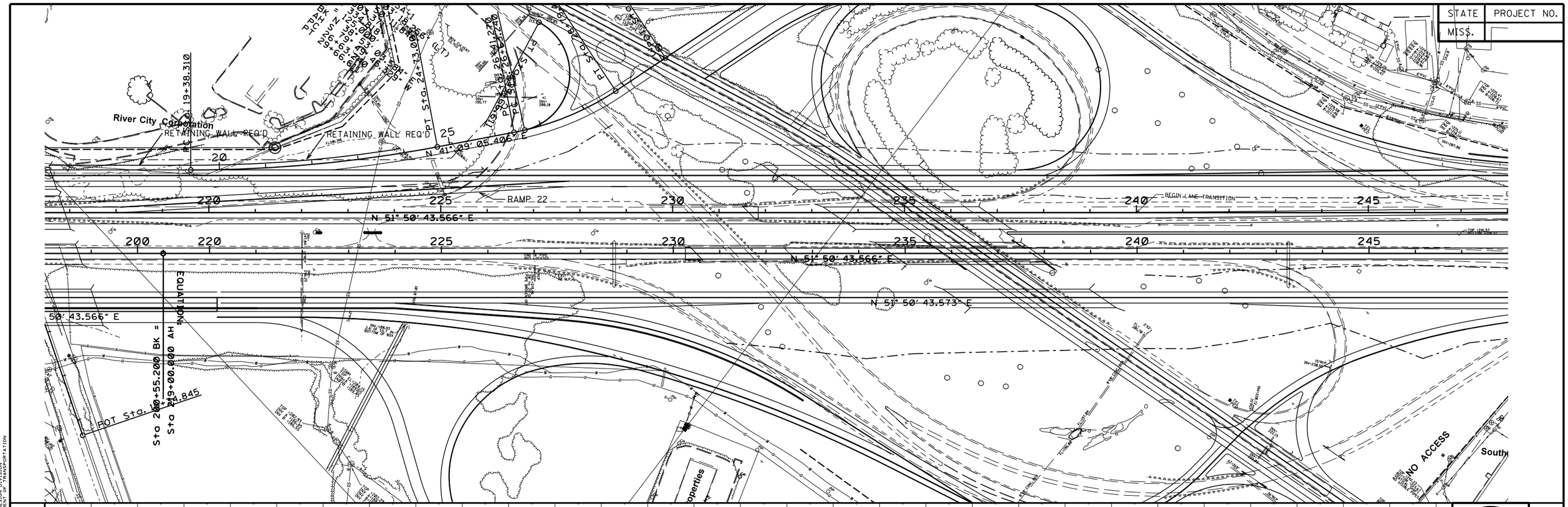
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

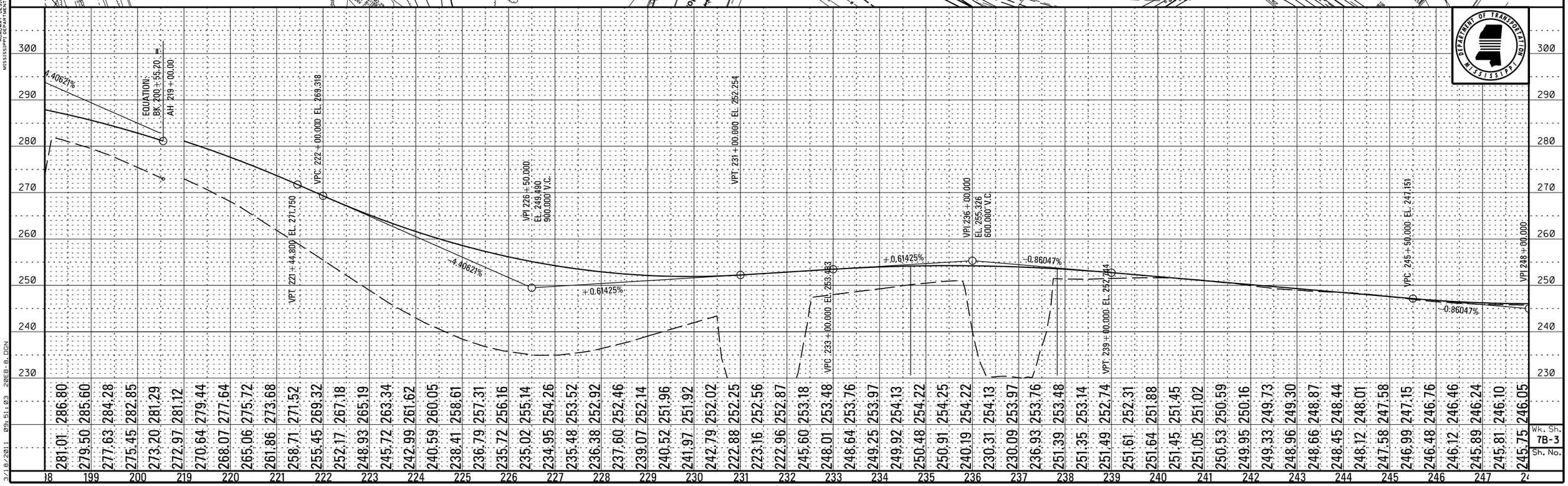
3/18/2011 09:50:05 PORTER-1.DGN

Wk. Sh.
7B-2.2
Sh. No.

DESIGN TEAM: FILENAME: PORTER-1.DGN COUNTY: PROJECT NO. : 7 PHASE B SHEET ID:

STATE	PROJECT NO.
MISS.	





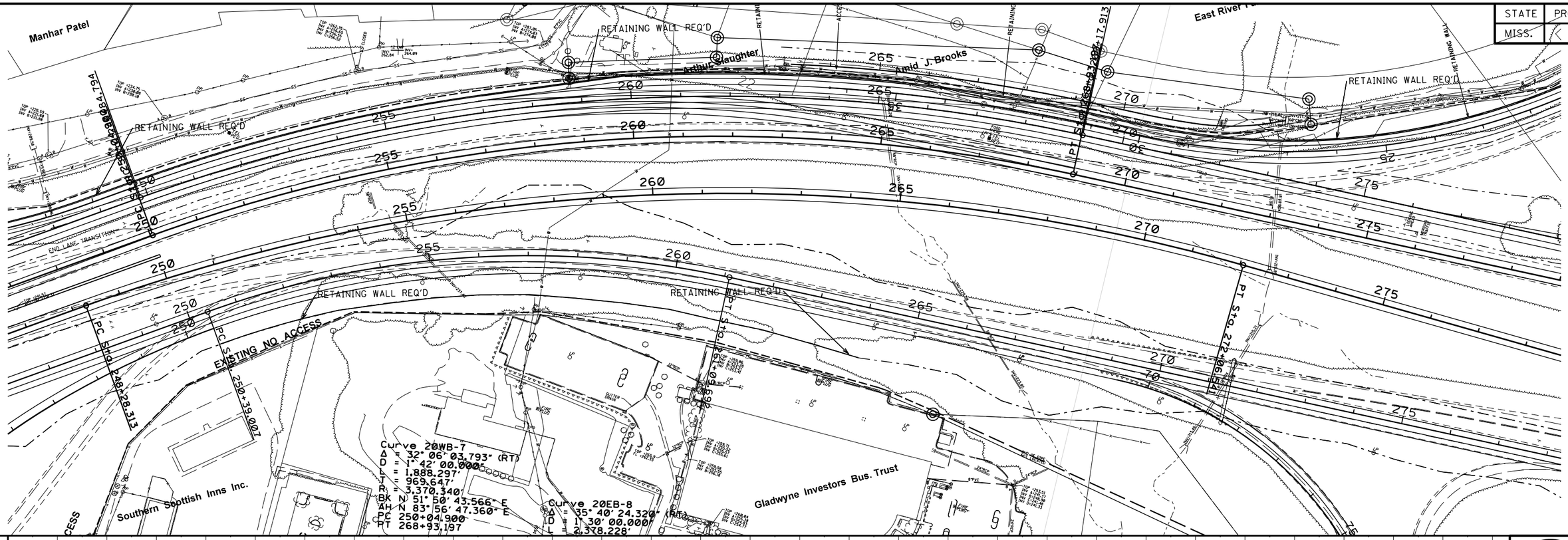
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

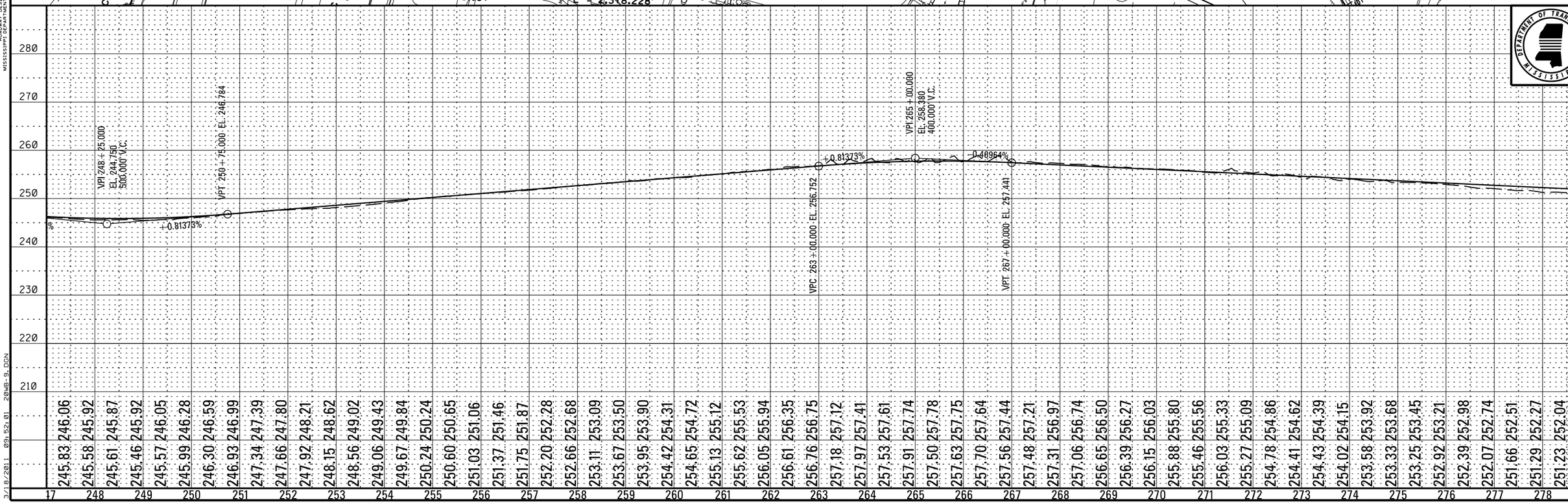
3/8/2011 09:51:03 20EB-8.DGN

Wk. Sh. 7B-3
Sh. No.

DESIGN TEAM: FILENAME: 20EB-8.DGN COUNTY: PROJECT NO. : 7 PHASE B SHEET ID:

STATE	PROJECT NO.
MISS.	



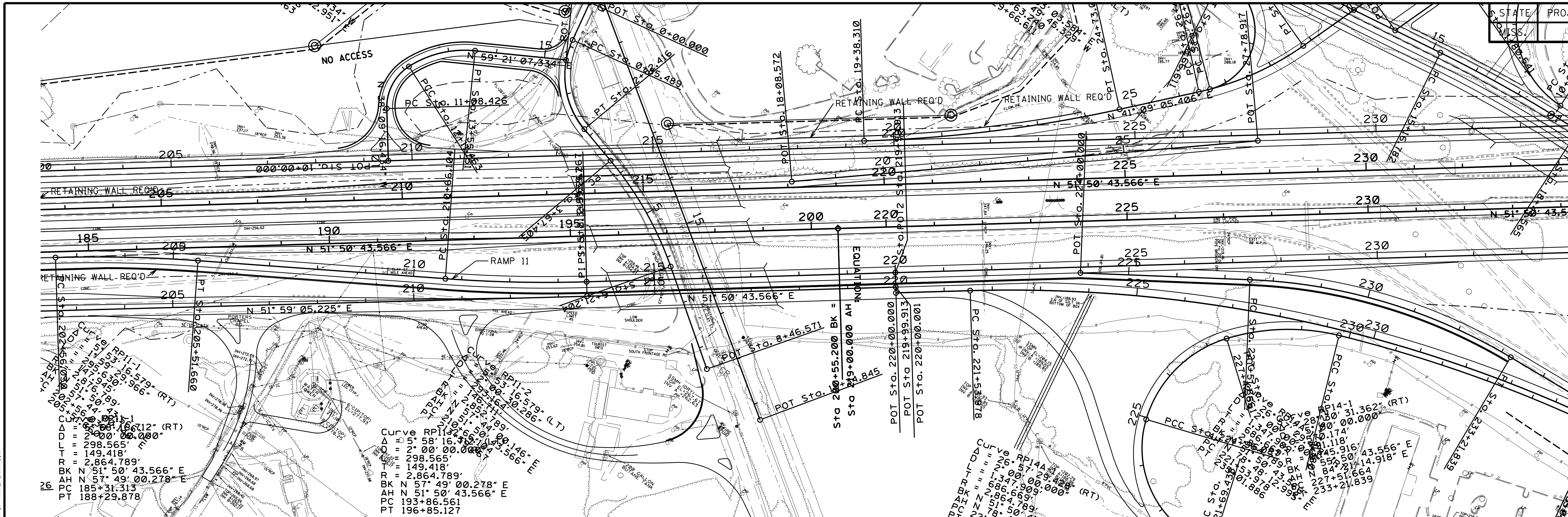


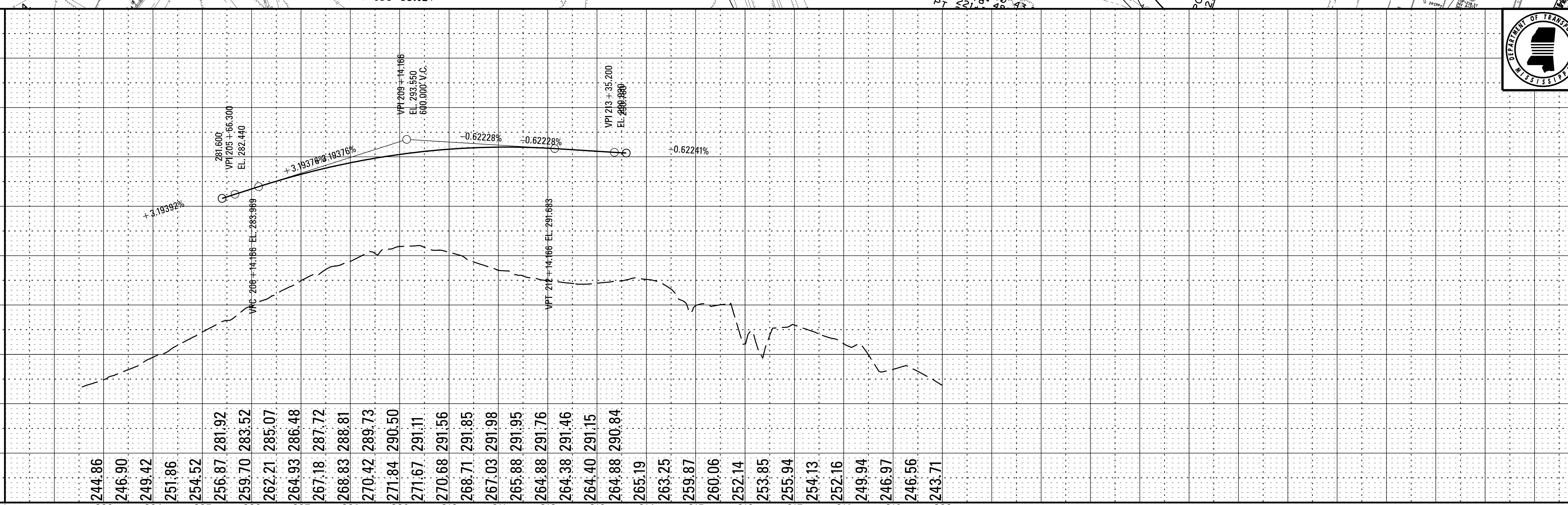
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/18/2011 09:52:01 20WB-9.DGN

DESIGN TEAM: FILENAME: 20WB-9.DGN COUNTY: PROJECT NO. : 7 PHASE B SHEET ID:

STATE	PROJECT NO.
MISS.	





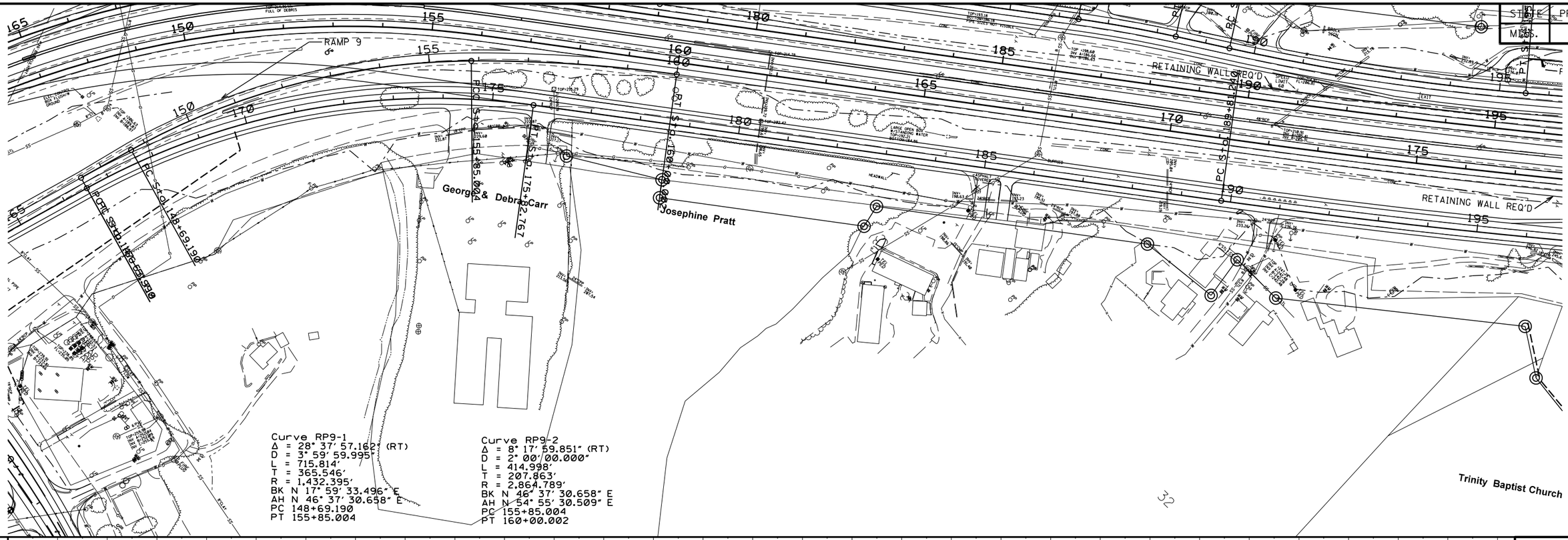
Wk. Sh. **7C-1**
Sh. No.

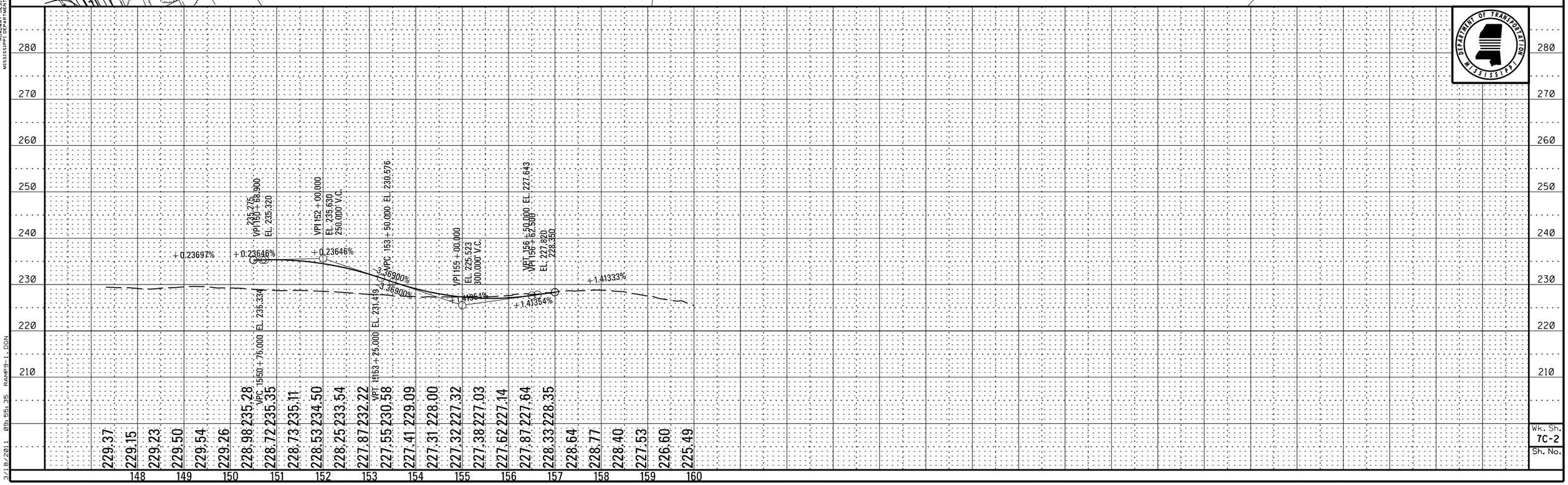
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

3/18/2011 09:53:50 RAMP11-1.DGN

DESIGN TEAM: *FILENAME:* RAMP11-1.DGN *COUNTY:* *PROJECT NO.:* 7 PHASE C *SHEET ID:*

STATE	PROJECT NO.
MISS.	





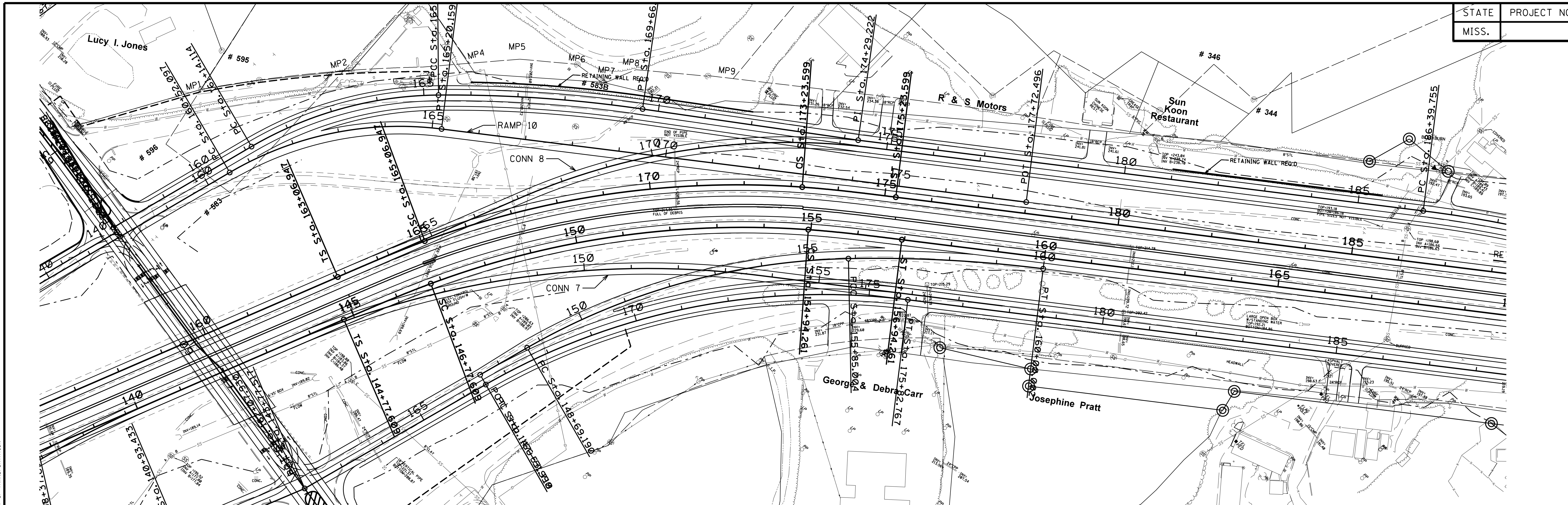
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

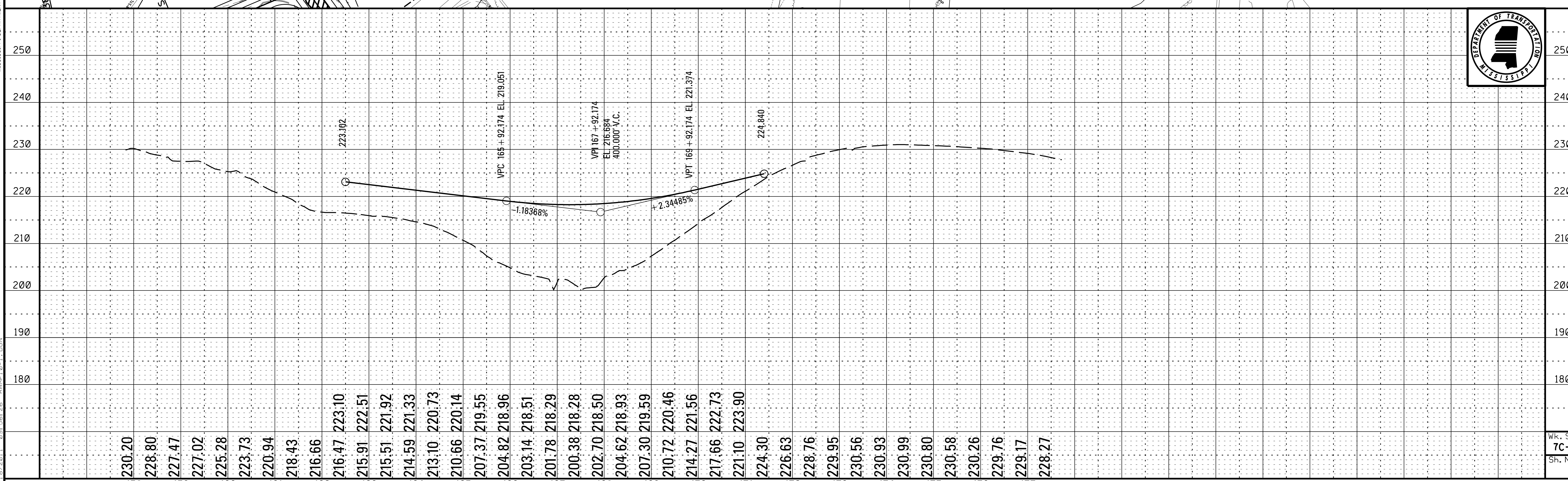
3/18/2011 09:55:35 RAMP9-1.DGN

Wk. Sh.
7C-2
Sh. No.

DESIGN TEAM: FILENAME: RAMP9-1.DGN COUNTY: PROJECT NO. : 7 PHASE C SHEET ID:

STATE	PROJECT NO.
MISS.	





Wk. Sh. 7C-3

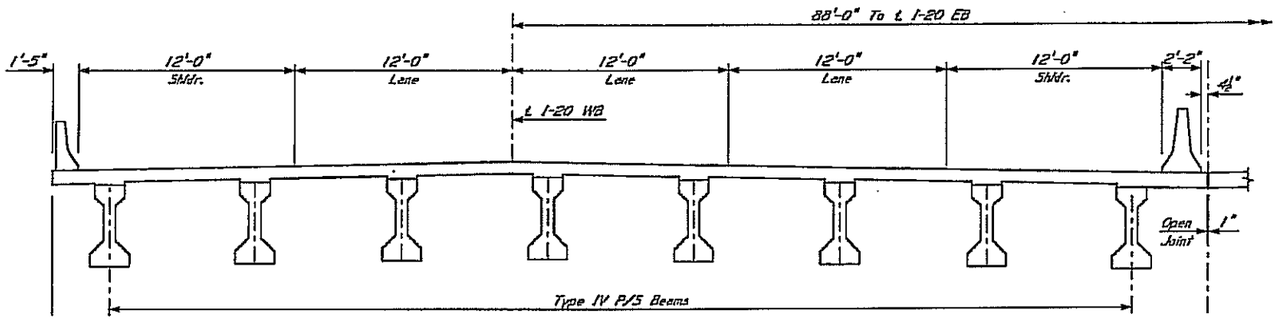
Sh. No.

PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

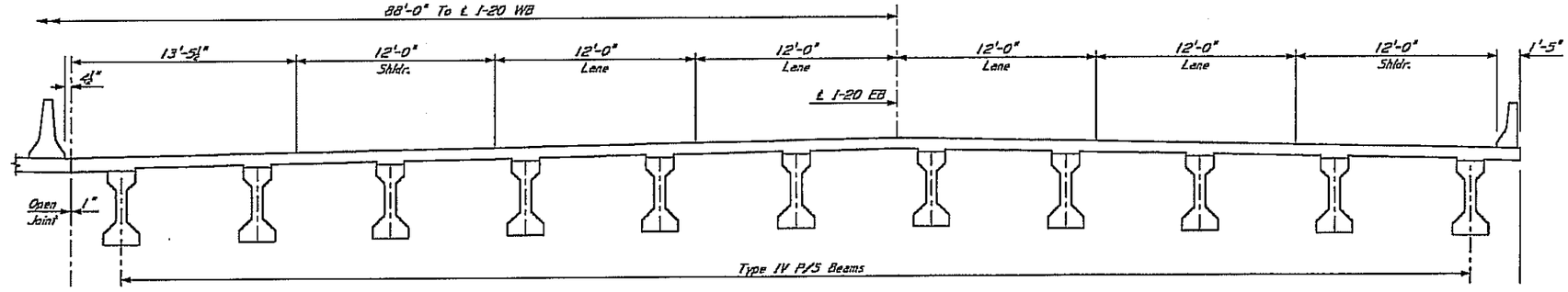
3/18/2011 09:56:26 RAMP10-1.DGN

DESIGN TEAM: FILENAME: RAMP10-1.DGN COUNTY: PROJECT NO. : 7 PHASE C SHEET ID:

STATE	PROJECT NO.
MISS.	



I-20 WESTBOUND OVER EAST TURNAROUND



I-20 EASTBOUND OVER EAST TURNAROUND

NEEL-SCHAFFER
Solutions you can build upon

PRELIMINARY
NOT FOR
CONSTRUCTION

DATE _____

REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
I-20 VICKSBURG

I-20 EB & WB OVER EAST TURNAROUND

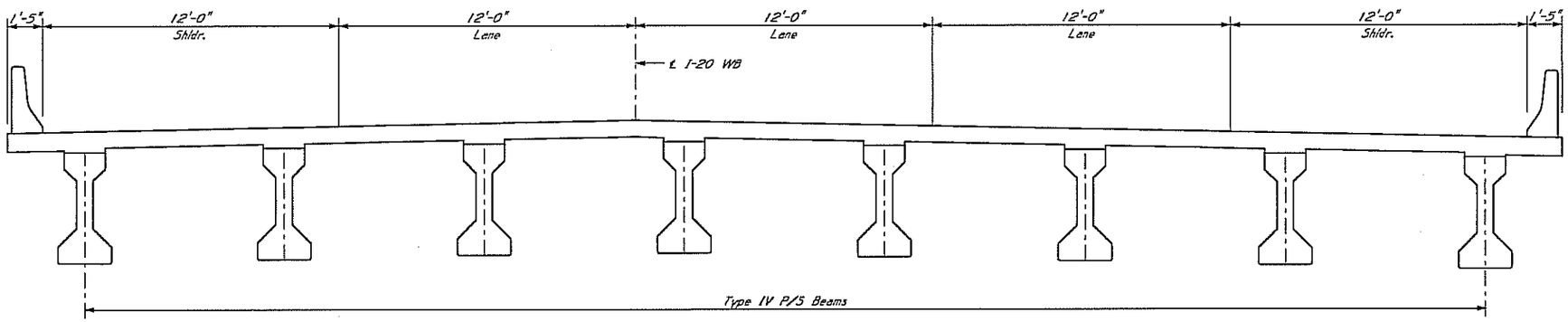
WORKING NUMBER
BTS7-1

SHEET NUMBER

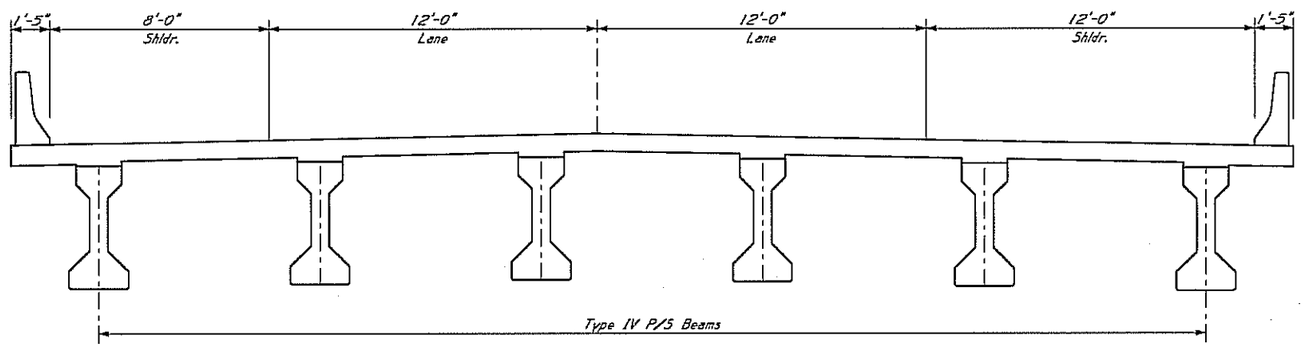
DATE | DESIGNED _____ DETAILED _____ TRACED CADD
CHECKED _____ ISSUED _____ DATE _____

FILE: S:\Projects\6562 I20 VICKSBURG\Preliminary Drawings (dgn)\Turnaround East\Turnaround East.dgn
DATE: 3/7/2011 TIME: 0:56:13 AM USER: CJC

STATE	PROJECT NO.
MISS.	



I-20 WESTBOUND OVER OLD HWY. 27 & MERIDIAN SPEEDWAY RAILROAD



I-20 EASTBOUND OVER OLD HWY. 27 & MERIDIAN SPEEDWAY RAILROAD

NEEL-SCHAFFER
Solutions you can build upon

PRELIMINARY
NOT FOR
CONSTRUCTION

DATE: _____

REVISION | BY | DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
I-20 VICKSBURG

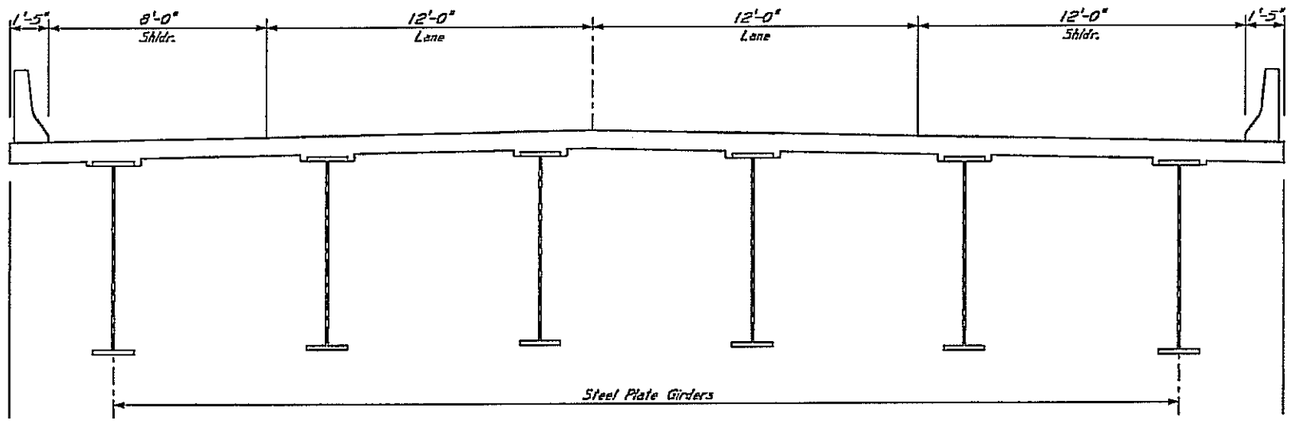
I-20 EASTBOUND & WESTBOUND
OVER OLD HWY. 27 & MERIDIAN SPEEDWAY RR

DESIGNED _____ DETAILED _____ TRACED CADD
CHECKED _____ ISSUED _____ DATE _____

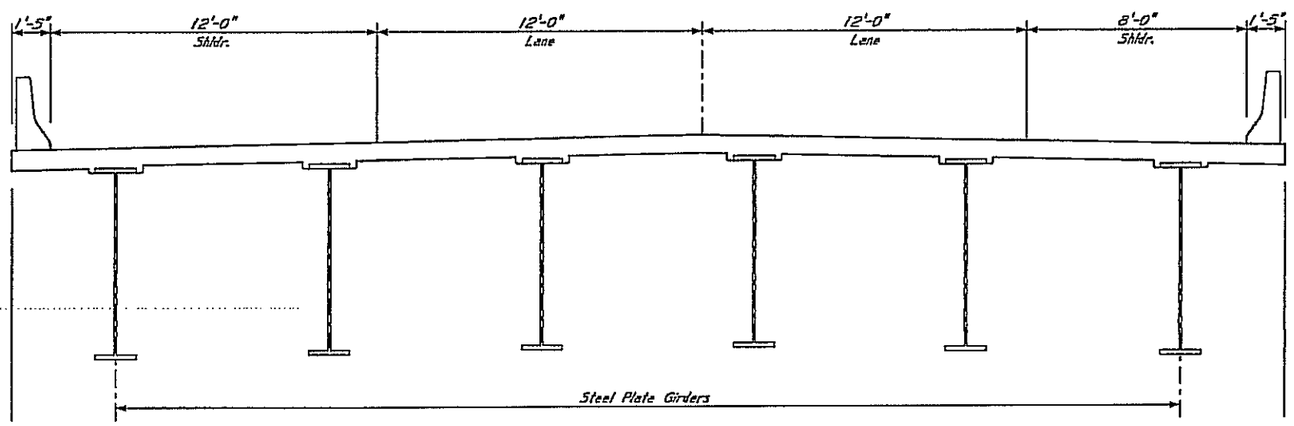
WORKING NUMBER
BTS7-2
SHEET NUMBER

FILE: S:\Projects\5562 I20 VICKSBURG\Preliminary Drawings (dgn)\Old Hwy 27 & RR\Old 27 & RR.dgn
DATE: 4/11/2012 TIME: 9:52:56 AM USER: KJK

STATE	PROJECT NO.
MISS.	



I-20 EASTBOUND



I-20 WESTBOUND

NEEL-SCHAFFER
Solutions you can build upon

PRELIMINARY
NOT FOR
CONSTRUCTION

DATE: _____

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
I-20 VICKSBURG

I-20 EASTBOUND & WESTBOUND
OVER CLAY STREET

WORKING NUMBER
BTS7-3

SHEET NUMBER

DESIGNED _____ DETAILED _____ TRACED CADD
CHECKED _____ ISSUED _____ DATE _____

FILE: S:\Projects\5582 I20 VICKSBURG\Preliminary Drawings (dgn)\Clay St\Clay St.dgn
DATE: 3/7/2011 TIME: 8:53:54 AM USER: CMC

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 7 PHASE A1)
County: WARREN
Lettingday: 06/30/2032
Scope of Work:
Rural/Urban: Rural
Rolling/Flat:
Grading:
Paving:

Length in Miles: 0.39
Grading Cost Per Mile: $0
Paving Cost Per Mile: $1,100,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.39	x	$0	x	115%	$0
Paving Cost:	0.39		$1,100,000	x	115%	$493,350
Bridge cost:	4,160	x	$150.00	x	115%	$717,600
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)	1.00	x	$44,940.00	x	115%	$51,681
					Total Estimate:	**$1,262,631**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Retaining Wall Rt (68+75 to 70+75) = $44,940

Anticipating a 3% inflation factor per year, the estimated construction cost is $2,500,000
(Includes Engineering and contingencies)

Remarks:

Prepared By: Aubrey Kopf — **Signature**
Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 7 PHASE A1

Summary of Projected Bridge Cost

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 7 PHASE A1)
County: WARREN
Lettingday: 06/30/2032

	Area of Bridge*		Per SF		Cost	Remarks
Interchange Bridges	0	x	$77	=	$0	
Hydraulic Concrete Spans	0	x	$75	=	$0	
Grade Separations	0	x	$77	=	$0	
Steel Structures	0	x	$145	=	$0	
Widen Existing Bridge	4,160	x	$150	=	$624,000	
		x	$125	=	$0	
		x	$125	=	$0	
		x	$125	=	$0	
Other Bridges	0	x	$100	=	$0	
	4,160	x	$150.00	=	$624,000	

* 2 feet 10 inches added to all bridge widths for bridge rail

Remarks:

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 7 PHASE A2)

County: WARREN

Lettingday: 06/30/2032

Scope of Work: FOUR-LANE NEW LOCATION (Type 1 Access)

Rural/Urban: Rural Grading: Yes

Rolling/Flat: Rolling Paving: Yes

Length in Miles: 0.42

Grading Cost Per Mile: $1,910,000

Paving Cost Per Mile: $3,470,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.42	x	$1,910,000	x	115%	$922,530
Paving Cost:	0.42		$3,470,000	x	115%	$1,676,010
Bridge cost:	0	x	$0.00	x	115%	$0
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)	1.00	x	$4,624,500.00	x	115%	$5,318,175
					Total Estimate:	**$7,916,715**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Retaining Wall Lt (246+00 to 270+00) = 46,245 SF @ $100.00 = $4,624,500

Anticipating a 3% inflation factor per year, the estimated construction cost is $15,500,000
(Includes Engineering and contingencies)

Remarks:

Estimated road length to approximate for 4-Ln Interstate (246+00 to 270+00)

Prepared By: Aubrey Kopf — **Signature** Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 7 PHASE A2_2-27-12

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 7 PHASE A3)

County: WARREN

Lettingday: 06/30/2032

Scope of Work:

Rural/Urban: Rural

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.16

Grading Cost Per Mile: $1,910,000

Paving Cost Per Mile: $3,470,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.16	x	$1,910,000	x	115%	$351,440
Paving Cost:	0.16		$3,470,000	x	115%	$638,480
Bridge cost:	0	x	$0.00	x	115%	$0
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)		x		x	115%	$0
					Total Estimate:	**$989,920**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Anticipating a 3% inflation factor per year, the estimated construction cost is $1,900,000
(Includes Engineering and contingencies)

Remarks:

Est. as 1/2 of 4-Ln [for S. C-D Rd and Ramp 16 & 16A (240+00 to 250+50)]

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 7 PHASE A3

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 7 PHASE A4)

County: WARREN

Lettingday: 06/30/2032

Scope of Work:

Rural/Urban: Rural

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.37

Grading Cost Per Mile: $620,000

Paving Cost Per Mile: $2,200,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.37	x	$620,000	x	115%	$263,810
Paving Cost:	0.37		$2,200,000	x	115%	$936,100
Bridge cost:	0	x	$0.00	x	115%	$0
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)	1.00	x	$3,021,860.00	x	115%	$3,475,139
					Total Estimate:	**$4,675,049**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Retaining Wall Rt (250+00 to 264+00) = $3,021,860

Anticipating a 3% inflation factor per year, the estimated construction cost is $9,100,000
(Includes Engineering and contingencies)

Remarks:

S. C-D Rd (250+50 to 270+00)

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 7 PHASE A4

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 7 PHASE A5)

County: WARREN

Lettingday: 06/30/2032

Scope of Work:

Rural/Urban: Rural

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.04

Grading Cost Per Mile: $530,000

Paving Cost Per Mile: $490,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.04	x	$530,000	x	115%	$24,380
Paving Cost:	0.04		$490,000	x	115%	$22,540
Bridge cost:	0	x	$0.00	x	115%	$0
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)		x		x	115%	$0
					Total Estimate:	**$46,920**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Anticipating a 3% inflation factor per year, the estimated construction cost is $100,000
(Includes Engineering and contingencies)

Remarks:

Estimated for 200' of Temp. Conn. (Clay St. to Clay St. Loop to I-20 WB)

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 7 PHASE A5

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 7 PHASE A6 & 6.1)

County: WARREN

Lettingday: 06/30/2032

Scope of Work:

Rural/Urban: Rural

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.13

Grading Cost Per Mile: $1,920,000

Paving Cost Per Mile: $2,250,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.13	x	$1,920,000	x	115%	$287,040
Paving Cost:	0.13		$2,250,000	x	115%	$336,375
Bridge cost:	0	x	$0.00	x	115%	$0
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)		x		x	115%	$0
					Total Estimate:	**$623,415**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Anticipating a 3% inflation factor per year, the estimated construction cost is $1,200,000
(Includes Engineering and contingencies)

Remarks:

Est. for 700' N. C-D Rd (224+00 to 231+00) and 700' Temp. Ramp 15.

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 7 PHASE A6 & 6.1

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 7 PHASE A7)

County: WARREN

Lettingday: 06/30/2032

Scope of Work:

Rural/Urban: Rural

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.48

Grading Cost Per Mile: $1,920,000

Paving Cost Per Mile: $2,250,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.48	x	$1,920,000	x	115%	$1,059,840
Paving Cost:	0.48		$2,250,000	x	115%	$1,242,000
Bridge cost:	0	x	$0.00	x	115%	$0
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)		x		x	115%	$0
					Total Estimate:	**$2,301,840**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Anticipating a 3% inflation factor per year, the estimated construction cost is $4,500,000
(Includes Engineering and contingencies)

Remarks:

Loop 5 (1300'); Loop 5 Conn.(500'); Clay Ramp Conn.(500'); N. C-D Rd (250'); Est. length of 1/2 of MDOT 4-Ln estimate.

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 7 PHASE A7

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 7 PHASE A8)

County: WARREN

Lettingday: 06/30/2032

Scope of Work:

Rural/Urban: Rural

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.10

Grading Cost Per Mile: $1,920,000

Paving Cost Per Mile: $2,250,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.10	x	$1,920,000	x	115%	$220,800
Paving Cost:	0.10		$2,250,000	x	115%	$258,750
Bridge cost:	0	x	$0.00	x	115%	$0
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)		x		x	115%	$0
					Total Estimate:	**$479,550**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Anticipating a 3% inflation factor per year, the estimated construction cost is $900,000
(Includes Engineering and contingencies)

Remarks:

CONN. 7 (1100'): Est. 1/2 length to compensate for Interstate long-term detour and traffic control

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 7 PHASE A8

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 7 PHASE A9)

County: WARREN

Lettingday: 06/30/2032

Scope of Work:

Rural/Urban: Rural

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.10

Grading Cost Per Mile: $1,920,000

Paving Cost Per Mile: $2,250,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.10	x	$1,920,000	x	115%	$220,800
Paving Cost:	0.10		$2,250,000	x	115%	$258,750
Bridge cost:	0	x	$0.00	x	115%	$0
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)		x		x	115%	$0
					Total Estimate:	**$479,550**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Anticipating a 3% inflation factor per year, the estimated construction cost is $900,000
(Includes Engineering and contingencies)

Remarks:

CONN. 8 (1100'): Est. 1/2 length to compensate for Interstate long-term detour and traffic control

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 7 PHASE A9

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 7 PHASE B1&2) MAINLINE (145+00 TO 200+55)

County: WARREN

Lettingday: 06/30/2032

Scope of Work:

Rural/Urban: Rural

Rolling/Flat:

Grading:

Paving:

Length in Miles: 1.58

Grading Cost Per Mile: $1,920,000

Paving Cost Per Mile: $2,250,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	1.58	x	$1,920,000	x	115%	$3,488,640
Paving Cost:	1.58		$2,250,000	x	115%	$4,088,250
Bridge cost:	81,928	x	$80.10	x	115%	$7,546,760
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)	1.00	x	$4,438,945.00	x	115%	$5,104,787
					Total Estimate:	**$20,228,437**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Retaining Wall Rt I-20 EB 177+00 to 191+00 = $1,803,600; Br. Demolition over Old27&RR = $175,000; Retaining Wall Lt I-20 WB 188+00 to 211+00 = $2,285,345; Br. Demolition over Old27&RR = $175,000

Anticipating a 3% inflation factor per year, the estimated construction cost is $39,500,000
(Includes Engineering and contingencies)

Remarks:

Est. mileage to increase MDOT estimate by 50% to compensate for earthwork quantity and costs as well as extensive traffic control.

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 7 PHASE B1&2

Summary of Projected Bridge Cost

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 7 PHASE B1&2) MAINLINE (145+00 TO 200+55)
County: WARREN
Lettingday: 06/30/2032

	Area of Bridge*		Per SF		Cost	Remarks
Interchange Bridges	0	x	$77	=	$0	
Hydraulic Concrete Spans	0	x	$75	=	$0	
Grade Separations	0	x	$77	=	$0	
Steel Structures	0	x	$145	=	$0	
TurnAround Br @ 200+00	41,780	x	$85	=	$3,551,300	
I-20 EB Over Old27 & RR	15,454	x	$75	=	$1,159,050	
I-20 WB Over Old27 & RR	24,694	x	$75	=	$1,852,050	
		x	$125	=	$0	
Other Bridges	0	x	$100	=	$0	
	81,928	x	$80.10	=	$6,562,400	

* 2 feet 10 inches added to all bridge widths for bridge rail

Remarks:

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 7 PHASE B2A) (Porter Conn.)

County: WARREN

Lettingday: 06/30/2032

Scope of Work:

Rural/Urban: Rural

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.30

Grading Cost Per Mile: $530,000

Paving Cost Per Mile: $490,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.30	x	$530,000	x	115%	$182,850
Paving Cost:	0.30		$490,000	x	115%	$169,050
Bridge cost:	0	x	$0.00	x	115%	$0
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)		x		x	115%	$0
					Total Estimate:	**$351,900**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Anticipating a 3% inflation factor per year, the estimated construction cost is $700,000
(Includes Engineering and contingencies)

Remarks:

Est. mileage to increase MDOT estimate by 100% to compensate for intersection and extra lanes.

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 7 PHASE B2A

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 7 PHASE B3) MAINLINE-219+00 to 248+00

County: WARREN

Lettingday: 06/30/2032

Scope of Work:

Rural/Urban: Rural

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.82

Grading Cost Per Mile: $1,910,000

Paving Cost Per Mile: $3,470,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.82	x	$1,910,000	x	115%	$1,801,130
Paving Cost:	0.82		$3,470,000	x	115%	$3,272,210
Bridge cost:	44,957	x	$125.00	x	115%	$6,462,540
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)	1.00	x	$250,000.00	x	115%	$287,500
					Total Estimate:	**$11,823,380**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

(2) Br. Demolitions over Clay St. = $125,000 + $125,000

Anticipating a 3% inflation factor per year, the estimated construction cost is $23,100,000
(Includes Engineering and contingencies)

Remarks:

Est. mileage to increase MDOT estimate by 50% to compensate for earthwork quantity and costs as well as extensive traffic control.

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 7 PHASE B3

Summary of Projected Bridge Cost

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 7 PHASE B3) MAINLINE-219+00 to 248+00
County: WARREN
Lettingday: 06/30/2032

	Area of Bridge*		Per SF		Cost	Remarks
Interchange Bridges	0	x	$77	=	$0	
Hydraulic Concrete Spans	0	x	$75	=	$0	
Grade Separations	0	x	$77	=	$0	
Steel Structures	0	x	$145	=	$0	
I-20 EB over Clay Street	22,478	x	$125	=	$2,809,800	
I-20 WB over Clay Street	22,478	x	$125	=	$2,809,800	
		x	$75	=	$0	
		x	$125	=	$0	
Other Bridges	0	x	$100	=	$0	
	44,957	x	$125.00	=	$5,619,600	

* 2 feet 10 inches added to all bridge widths for bridge rail

Remarks:

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 7 PHASE B4)(I-20 WB) 248+00 to 269+00

County: WARREN

Lettingday: 06/30/2032

Scope of Work:

Rural/Urban: Rural

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.40

Grading Cost Per Mile: $0

Paving Cost Per Mile: $1,100,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.40	x	$0	x	115%	$0
Paving Cost:	0.40		$1,100,000	x	115%	$506,000
Bridge cost:	0	x	$0.00	x	115%	$0
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)		x		x	115%	$0
					Total Estimate:	**$506,000**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Anticipating a 3% inflation factor per year, the estimated construction cost is $1,000,000
(Includes Engineering and contingencies)

Remarks:

(Mostly Interstate overlay)

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 7 PHASE B4

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 7 PHASE C1) RAMP 11

County: WARREN

Lettingday: 06/30/2032

Scope of Work:

Rural/Urban: Rural

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.23

Grading Cost Per Mile: $0

Paving Cost Per Mile: $2,200,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.23	x	$0	x	115%	$0
Paving Cost:	0.23		$2,200,000	x	115%	$581,900
Bridge cost:	9,049	x	$150.00	x	115%	$1,560,884
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)		x		x	115%	$0
					Total Estimate:	**$2,142,784**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Anticipating a 3% inflation factor per year, the estimated construction cost is $4,200,000
(Includes Engineering and contingencies)

Remarks:

RAMP 11 (I-20 EB TO S. FR. RD.)

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 7 PHASE C1

Summary of Projected Bridge Cost

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 7 PHASE C1) RAMP 11
County: WARREN
Lettingday: 06/30/2032

	Area of Bridge*		Per SF		Cost	Remarks
Interchange Bridges	0	x	$77	=	$0	
Hydraulic Concrete Spans	0	x	$75	=	$0	
Grade Separations	0	x	$77	=	$0	
Steel Structures	0	x	$145	=	$0	
Widening over Old27 & RR	9,049	x	$150	=	$1,357,290	
		x	$125	=	$0	
		x	$75	=	$0	
		x	$125	=	$0	
Other Bridges	0	x	$100	=	$0	
	9,049	x	$150.00	=	$1,357,290	

* 2 feet 10 inches added to all bridge widths for bridge rail

Remarks:

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 7 PHASE C2)

County: WARREN

Lettingday: 06/30/2032

Scope of Work:

Rural/Urban: Rural

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.10

Grading Cost Per Mile: $1,910,000

Paving Cost Per Mile: $3,470,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.10	x	$1,910,000	x	115%	$219,650
Paving Cost:	0.10		$3,470,000	x	115%	$399,050
Bridge cost:	0	x	$0.00	x	115%	$0
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)		x		x	115%	$0
					Total Estimate:	**$618,700**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Adjusted road length to approximate 1/2 of 4-Ln MDOT Cost Estimate per mile.

Anticipating a 3% inflation factor per year, the estimated construction cost is $1,200,000
(Includes Engineering and contingencies)

Remarks:

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 7 PHASE C2

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 7 PHASE C3)
County: WARREN
Lettingday: 06/30/2032
Scope of Work:
Rural/Urban: Rural
Rolling/Flat:
Grading:
Paving:

Length in Miles: 0.14
Grading Cost Per Mile: $1,910,000
Paving Cost Per Mile: $3,470,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.14	x	$1,910,000	x	115%	$307,510
Paving Cost:	0.14		$3,470,000	x	115%	$558,670
Bridge cost:	0	x	$0.00	x	115%	$0
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)		x		x	115%	$0
					Total Estimate:	**$866,180**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Adjusted road length to approximate 1/2 of 4-Ln MDOT Cost Estimate per mile.

Anticipating a 3% inflation factor per year, the estimated construction cost is $1,700,000
(Includes Engineering and contingencies)

Remarks:

Prepared By: Aubrey Kopf — **Signature**
Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 7 PHASE C3

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 7 MISC.)

County: WARREN

Lettingday: 06/30/2032

Scope of Work:

Rural/Urban: Rural

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.00

Grading Cost Per Mile: $0

Paving Cost Per Mile: $0 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.00	x	$0	x	115%	$0
Paving Cost:	0.00		$0	x	115%	$0
Bridge cost:	0	x	$0.00	x	115%	$0
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)	1.00	x	$2,578,432.00	x	115%	$2,965,197
					Total Estimate:	**$2,965,197**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

.Lighting -0.5($380,000)+$380,000=$570,000 : Signals -(6)@$150,000 = $900,000: Signing- (2%) of $55,421,601=$1,108,432: Total Misc.=$2,578,432

Anticipating a 3% inflation factor per year, the estimated construction cost is $5,800,000
(Includes Engineering and contingencies)

Remarks:

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 7 MISC

Alternative B

Possible Project 8

Typical Section Sheets,
Construction Phasing Sheets,
Plan Profile Sheets and
Construction Cost Estimate Sheets

P.E.

FED. ROAD REG. NO.	STATE	PROJECT NO.	SHEET NO.
4	MISS.		1

GENERAL INDEX

FOR DETAILED INDEX OF PLANS SEE SHEET NO. 2

DESCRIPTION	NUMBER OF SHEETS
TITLE SHEET	1
DETAILED INDEX	
GENERAL NOTES	
TYPICAL SECTIONS	
QUANTITIES	
PLAN AND PROFILES	
SPECIAL DESIGN – ROADWAY ITEMS	
BRIDGE DRAWINGS	
SPECIAL DESIGN – BRIDGES	
CROSS-SECTIONS	
TOTAL SHEETS	

STATE OF MISSISSIPPI

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

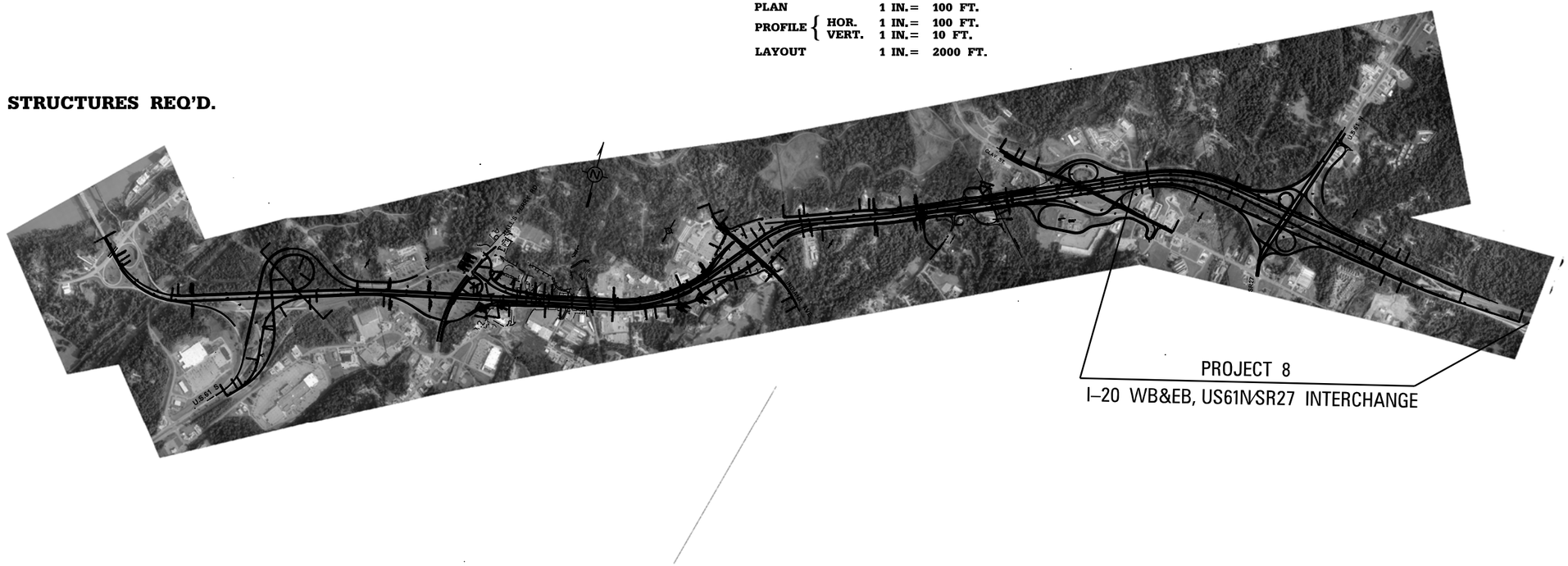
PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

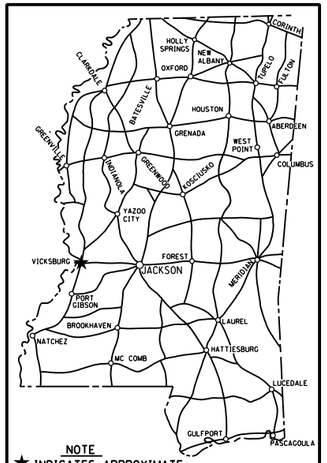
FEDERAL AID PROJECT NO. IMD-0020-01(181) 100367/002000

ALTERNATIVE B, PROJECT 8

SCALES

PLAN		1 IN. = 100 FT.
PROFILE	HOR.	1 IN. = 100 FT.
	VERT.	1 IN. = 10 FT.
LAYOUT		1 IN. = 2000 FT.





NOTE
★ INDICATES APPROXIMATE LOCATION OF PROJECT.

BRIDGE STRUCTURES REQ'D.

DESIGN CONTROL
_____ MPH = V (SPEED DESIGN)
ADT (____) = _____ : ADT (____) = _____
DHV = _____ : D = _____% T = _____%

PERMITS ACQUIRED BY MDOT

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

	WATERS	WETLANDS
NATIONWIDE #14	☐	☐
NATIONWIDE (OTHER)*	☐	☐
GENERAL*	☐	☐
INDIVIDUAL (404)*	☐	☐

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

STORMWATER PERMIT ☐

Y	REQUIRED, CNOI SUBMITTED BY MDOT (DISTRIBUTED AREA>5 ACRES+NTB 6484)
S	REQUIRED, SCNOI TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES+NTB 6483)
N	NO STORMWATER PERMIT REQUIRED (<1 ACRE)

APPROVED BY: _____ DATE: _____

CONVENTIONAL SYMBOLS

COUNTY LINE
TOWN CORPORATION LINE
SECTION LINE
EXISTING ROAD OR TRAVELED WAY
PROPOSED ROAD OR TRAVELED WAY
RAILROAD
SURVEY LINE
BRIDGES

EQUATIONS

EXCEPTIONS

LENGTH DATA

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

DATE	REVISIONS	BY

APPROVED:

CHIEF ENGINEER — DATE

EXECUTIVE DIRECTOR — DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

APPROVED:

DIVISION ADMINISTRATOR — DATE

FEDERAL HIGHWAY ADMINISTRATION
DEPARTMENT OF TRANSPORTATION

TITLE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
2/29/2012 09:59:43 TITLE ALTERNATIVE B-8.DGN

STATE	PROJECT NO.
MISS.	

DESCRIPTION OF SHEET	WKG. NO.	SH. NO.
TITLE SHEET (1)		
DETAIL INDEX (1)		
DETAILED INDEX	DI8-1	
TYPICAL SECTIONS (2)		
-INTERCHANGE RAMPS 20, 21, 18, & 19	TS8-1	
-US61N (PROJECT 8B-1 & 8B-4) INTERCHANGE LOOPS 3 (PROJECT 8B-1)	TS8-2	
-I20 E.B. & W.B. (STA. 248+00 TO 334+00) US61N NORTH C-D (PROJECT C)	TS8-3	
-US61N FRONTAGE RD (PROJ. 8-B3)	TS8-4	
CONSTRUCTION PLAN (10)		
PROJECT 8 - PHASE A		
PROJECT 8 - PHASE B1		
PROJECT 8 - PHASE B.2		
PROJECT 8 - PHASE B3		
PROJECT 8 - PHASE B4		
PROJECT 8 - PHASE C1		
PROJECT 8 - PHASE C2 (3 SHEETS)		
PLAN-PROFILE SHEETS (20)		
-INTERCHANGE RAMP, SR27/US61N TO I-20 E.B. (61NRP20-1.DGN)	8A-1	
-LOOP RAMP, I-20 EB TO US61N NB (61NLP3-1.DGN)	8B-1	
-US61N STA 7+00 TO 35+00 (US61NNB-1A.DGN)	8B-1.1	
-US61N STA 35+00 TO 42+00 (US61NNB-2.DGN)	8B-1.2	
-EXIT RAMP, I-20 W.B. TO US61N (61NRP21A-1.DGN)	8B-1.3	
-EXIT RAMP, I-20 E.B. TO US61N/SR27 (61NRP18-1.DGN)	8B-2	
-US61N N.E. FRONTAGE ROAD (61NFRRD-2.DGN)	8B-3	
-US61N S.B. STA. 5+00 TP 35+00 (US61NSB-1.DGN)	8B-4	
-US61N S.B. STA. 35+00 TO 38+00 (US61NSB-2.DGN)	8B-4.1	
-EXIT RAMP, US61N S.B. TO I-20 W.B. (PUS61NRP19A-1.DGN)	8C-1	
-RAMP, SR27 N.B. TO I-20 W.B. (RP24A1.DGN)	8C-1.1	
-US61N NORTH C-D (STA. 270+00 TO 285+00) (PNFRD1A1.DGN)	8C-2	
-US61N NORTH C-D (STA. 285+00 TO 315+00) (PNFRD1A2.DGN)	8C-2.1	
-US61N NORTH C-D (STA. 315+00 TO 334+00) (PNFRD1A3.DGN)	8C-2.2	
-I-20 W.B. STA 250+00 TO 280+00 (20_WBA-1.DGN)	8C-3	
-I-20 W.B. STA 280+00 TO 309+00 (20_WBA-2.DGN)	8C-3.1	
-I-20 E.B. STA 309+00 TO 334+00 (20_WBA-3.DGN)	8C-3.2	
-I-20 E.B. STA 250+00 TO 279+00 (20EB-9.DGN)	8C-4	
-I-20 E.B. STA 279+00 TO 309+00 (20EB-10.DGN)	8C-4.1	
-I-20 E.B. STA 309+00 TO 334+00 (20EB-11.DGN)	8C-4.2	
BRIDGE TYPICAL SECTIONS (1)		
-US61N OVER I-20 AND FRONTAGE /C-D ROADS	BTS8-1	

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

2/29/2012 10:01:35 INDEX.DGN

REVISION | BY | DATE

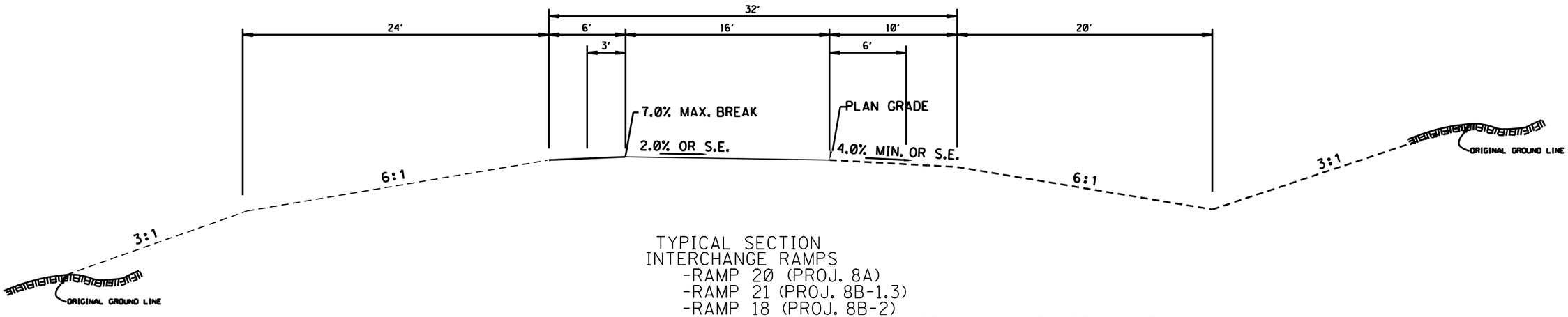
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

Detailed Index

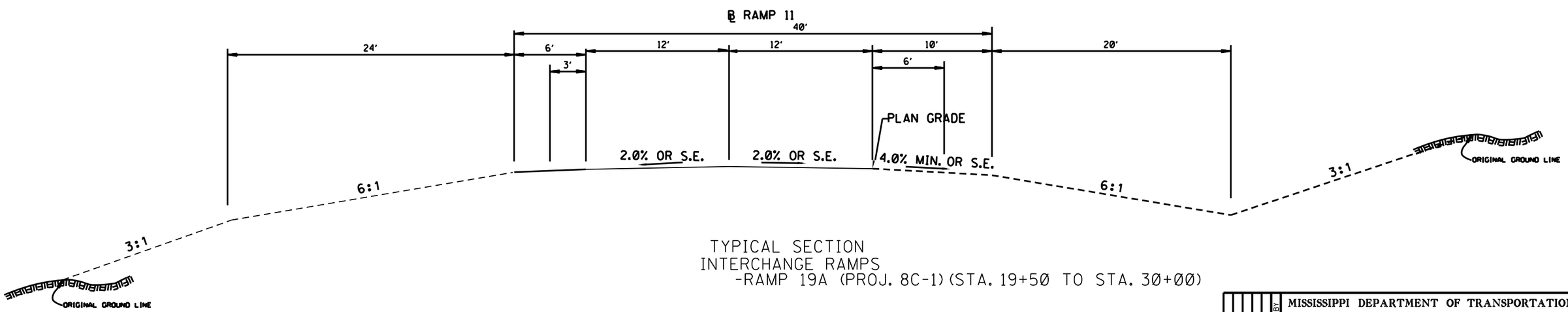
WORKING NUMBER
DI8-1
SHEET NUMBER

FILENAME: INDEX.DGN
DESIGN TEAM _____ CHECKED _____ DATE _____

STATE	PROJECT NO.
MISS.	



TYPICAL SECTION
INTERCHANGE RAMPS
-RAMP 20 (PROJ. 8A)
-RAMP 21 (PROJ. 8B-1.3)
-RAMP 18 (PROJ. 8B-2)
-RAMP 19A (PROJ. 8C-1)(STA. 10+00 TO STA. 19+50)



TYPICAL SECTION
INTERCHANGE RAMPS
-RAMP 19A (PROJ. 8C-1)(STA. 19+50 TO STA. 30+00)

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION
INTERCHANGE RAMP 20 (PROJ. 8A)
INTERCHANGE RAMP 21 (PROJ. 8B-1.3)
INTERCHANGE RAMP 18 (PROJ. 8B-2)
INTERCHANGE RAMP 19A (PROJ. 8C-1)

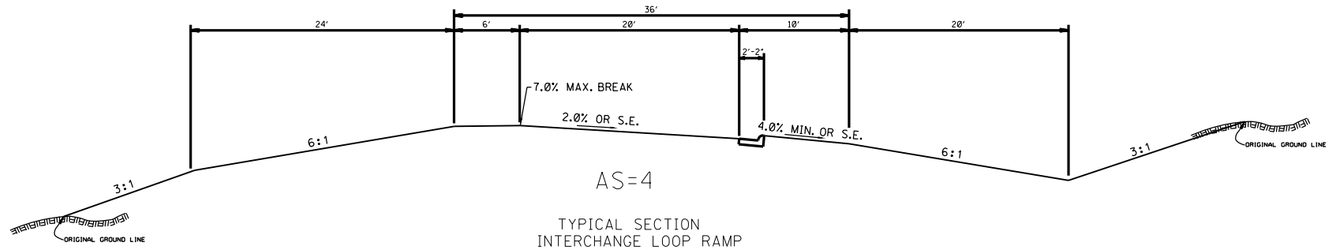
PROJECT NO.
COUNTY:
FILENAME:
DESIGN TEAM ____ CHECKED ____ DATE ____

WORKING NUMBER
TS8-1
SHEET NUMBER

$FILES
$DATES

COUNTY:
DESIGN TEAM: NEEL-SCHAFFER
PROJECT NO.: 8 PHASE A,B,C
FILENAME:

STATE	PROJECT NO.
MISS.	



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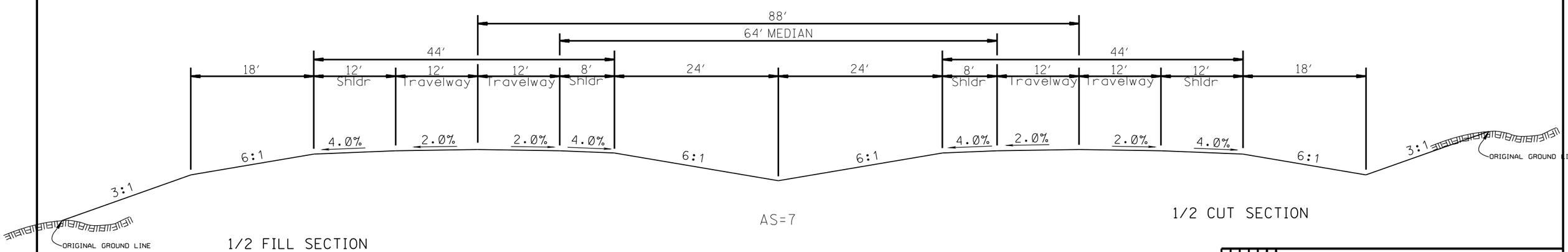
TYPICAL SECTION
INTERCHANGE LOOP RAMP
-LOOP 3 (PROJ. 8B-1)



1/2 FILL SECTION

AS=7

1/2 CUT SECTION

TYPICAL SECTION
US61N NORTHBOUND & SOUTHBOUND (PROJ. 8B-1.1, 1.2, 8B-4,& 4.1)

$FILE$

$DATE$

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

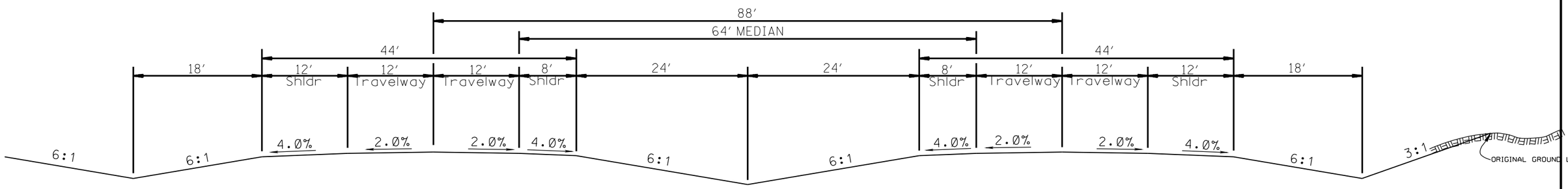
TYPICAL SECTION
US61N N.B. & S.B. (PROJ. 8B-1 & 8B-4)
INTCH LOOP 3 (PROJ. 8B-1)

PROJECT NO.
COUNTY:
FILENAME:
DESIGN TEAM_____CHECKED_____DATE_____

WORKING NUMBER
TS8-2
SHEET NUMBER

COUNTY:
DESIGN TEAM: NEEL-SCHAFFER
PROJECT NO.: 8 PHASE B & C
FILENAME:

STATE	PROJECT NO.
MISS.	

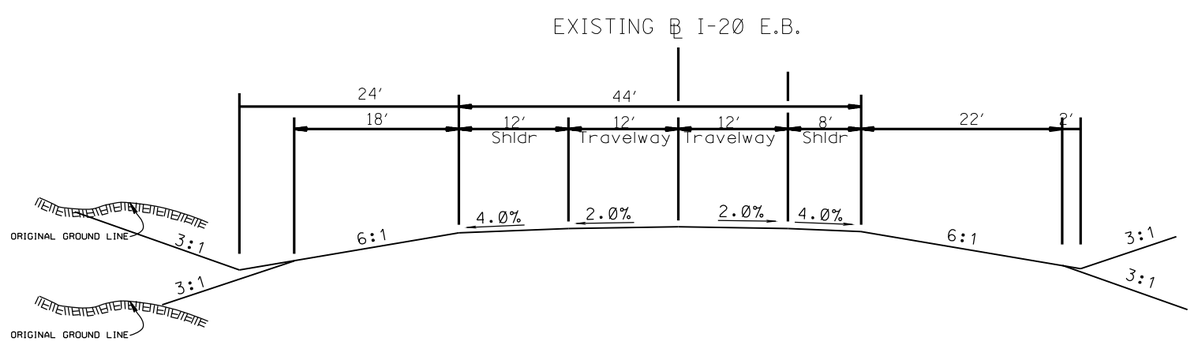


1/2 FILL SECTION

AS=7

1/2 CUT SECTION

TYPICAL SECTION
I-20 E.B. & W.B. (STA. 248+00 TO *282+55)
*Median varies from STA. 282+55 TO 334+00)



TYPICAL SECTION
US61N NORTH C-D ROAD (STA 270+00 TO 334+00)

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION
I-20 E.B. & W.B. - STA. 248+00 TO 334+00
US61N NORTH C-D ROAD (STA 270+00 TO 334+00
PHASE C

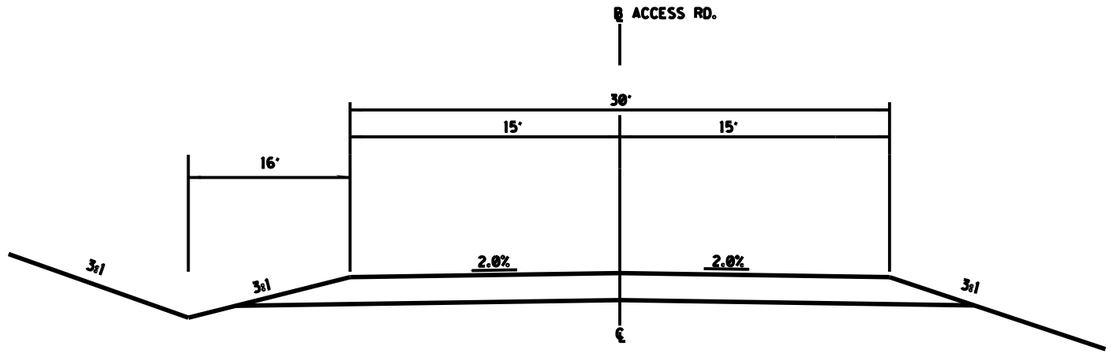
PROJECT NO.
COUNTY:
FILENAME:
DESIGN TEAM_____CHECKED_____DATE_____

WORKING NUMBER
TS8-3
SHEET NUMBER

$FILES
$DATES

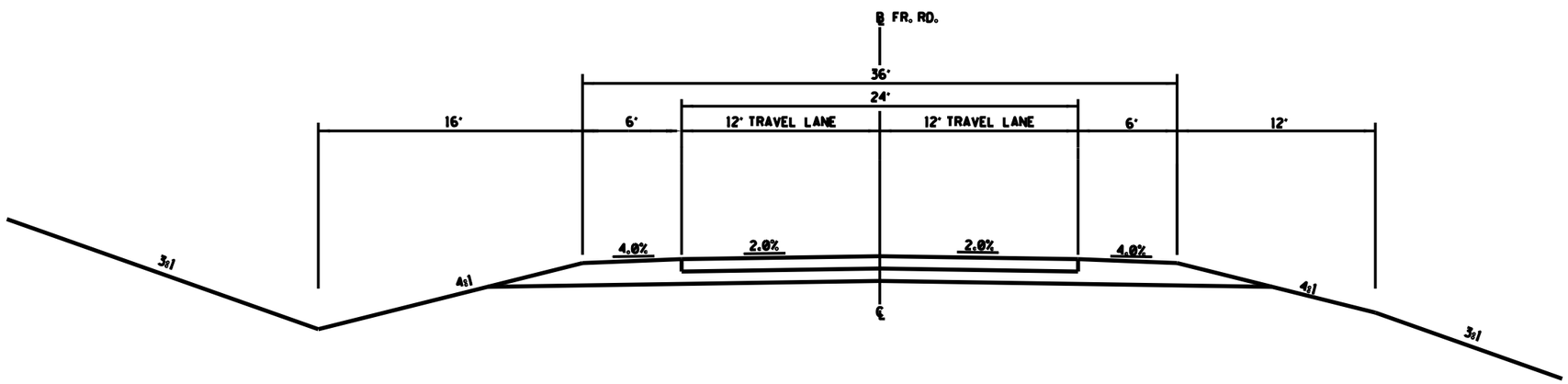
COUNTY:
DESIGN TEAM: NEEL-SCHAFFER
PROJECT NO.: 8 PHASE C
FILENAME:

STATE	PROJECT NO.
MISS.	



TYPICAL SECTION

ACCESS RD. ADJACENT TO RAMP 19
(PROJECT 8-C4)



TYPICAL SECTION
US61 NORTH
FRONTAGE RD.
(PROJECT 8B-3)

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
US 61 NORTH ACCESS RD. (PROJ 8-C4)
US61N FR. RD. (PROJECT 8-B3)

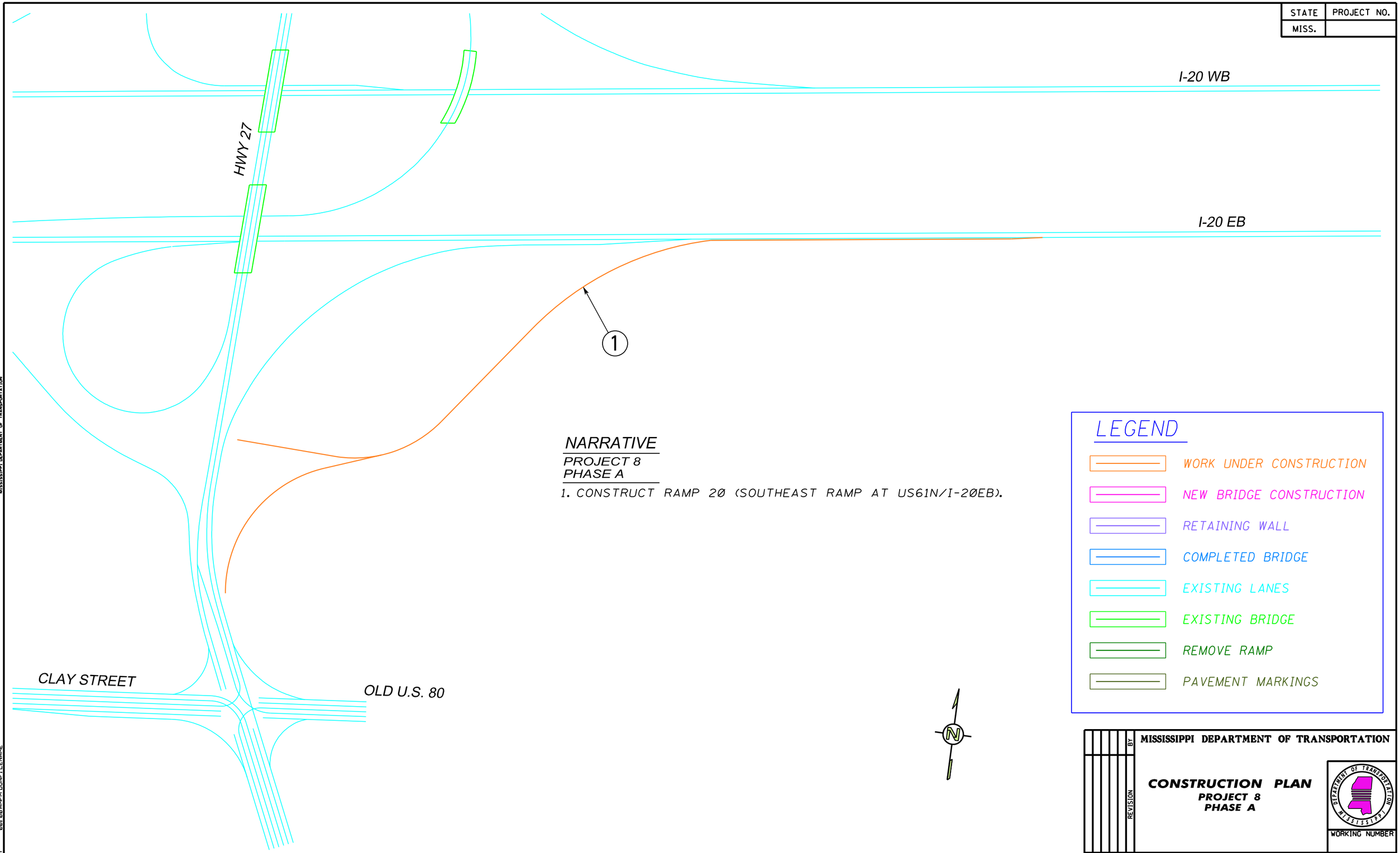
PROJECT NO.
COUNTY:
FILENAME:
DESIGN TEAM CHECKED DATE

WORKING NUMBER
TS8-4
SHEET NUMBER

SFILES
SDATES

COUNTY:
DESIGN TEAM: NEEL-SCHAFFER
PROJECT NO.: 8 PHASE B
FILENAME:

STATE	PROJECT NO.
MISS.	



NARRATIVE

PROJECT 8
PHASE A

1. CONSTRUCT RAMP 20 (SOUTHEAST RAMP AT US61N/I-20EB).

LEGEND

- WORK UNDER CONSTRUCTION
- NEW BRIDGE CONSTRUCTION
- RETAINING WALL
- COMPLETED BRIDGE
- EXISTING LANES
- EXISTING BRIDGE
- REMOVE RAMP
- PAVEMENT MARKINGS

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 8
PHASE A

WORKING NUMBER

SHEET NUMBER

REVISION | BY | DATE

FILENAME: PROJ8 PHA.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

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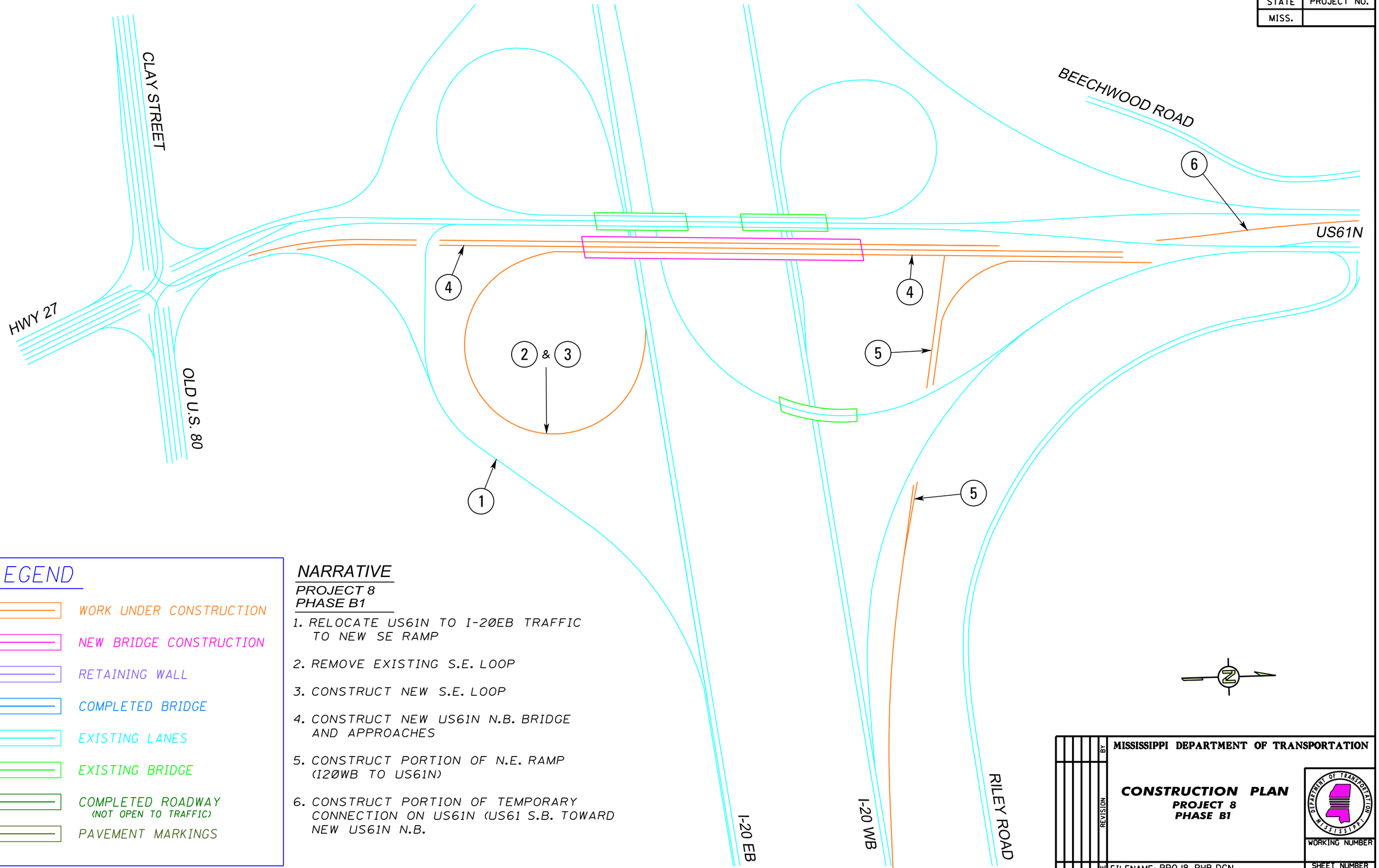
STATE	PROJECT NO.
MISS.	



LEGEND

- WORK UNDER CONSTRUCTION
- NEW BRIDGE CONSTRUCTION
- RETAINING WALL
- COMPLETED BRIDGE
- EXISTING LANES
- EXISTING BRIDGE
- COMPLETED ROADWAY (NOT OPEN TO TRAFFIC)
- PAVEMENT MARKINGS

NARRATIVE

PROJECT 8
PHASE B1

1. RELOCATE US61N TO I-20EB TRAFFIC TO NEW SE RAMP
2. REMOVE EXISTING S.E. LOOP
3. CONSTRUCT NEW S.E. LOOP
4. CONSTRUCT NEW US61N N.B. BRIDGE AND APPROACHES
5. CONSTRUCT PORTION OF N.E. RAMP (I20WB TO US61N)
6. CONSTRUCT PORTION OF TEMPORARY CONNECTION ON US61N (US61 S.B. TOWARD NEW US61N N.B.

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 8
PHASE B1

WORKING NUMBER

SHEET NUMBER

FILENAME: PROJ8 PHB.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

MODYY 00:00AMPM DGNFILENAME

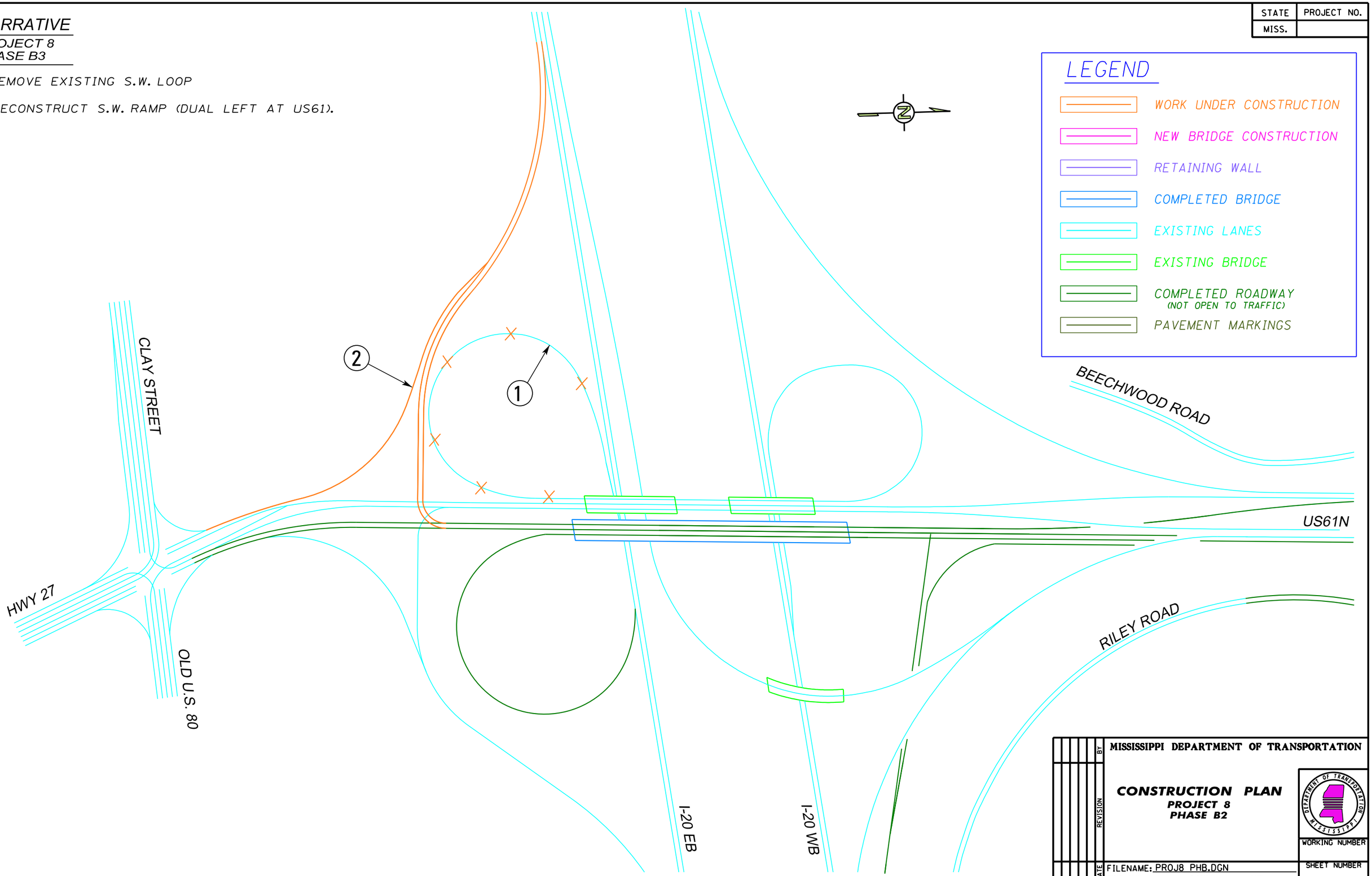
STATE	PROJECT NO.
MISS.	

NARRATIVE

PROJECT 8
PHASE B3

1. REMOVE EXISTING S.W. LOOP

2. RECONSTRUCT S.W. RAMP (DUAL LEFT AT US61).



MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 8
PHASE B2

WORKING NUMBER

SHEET NUMBER

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FILENAME: PROJ8 PHB.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

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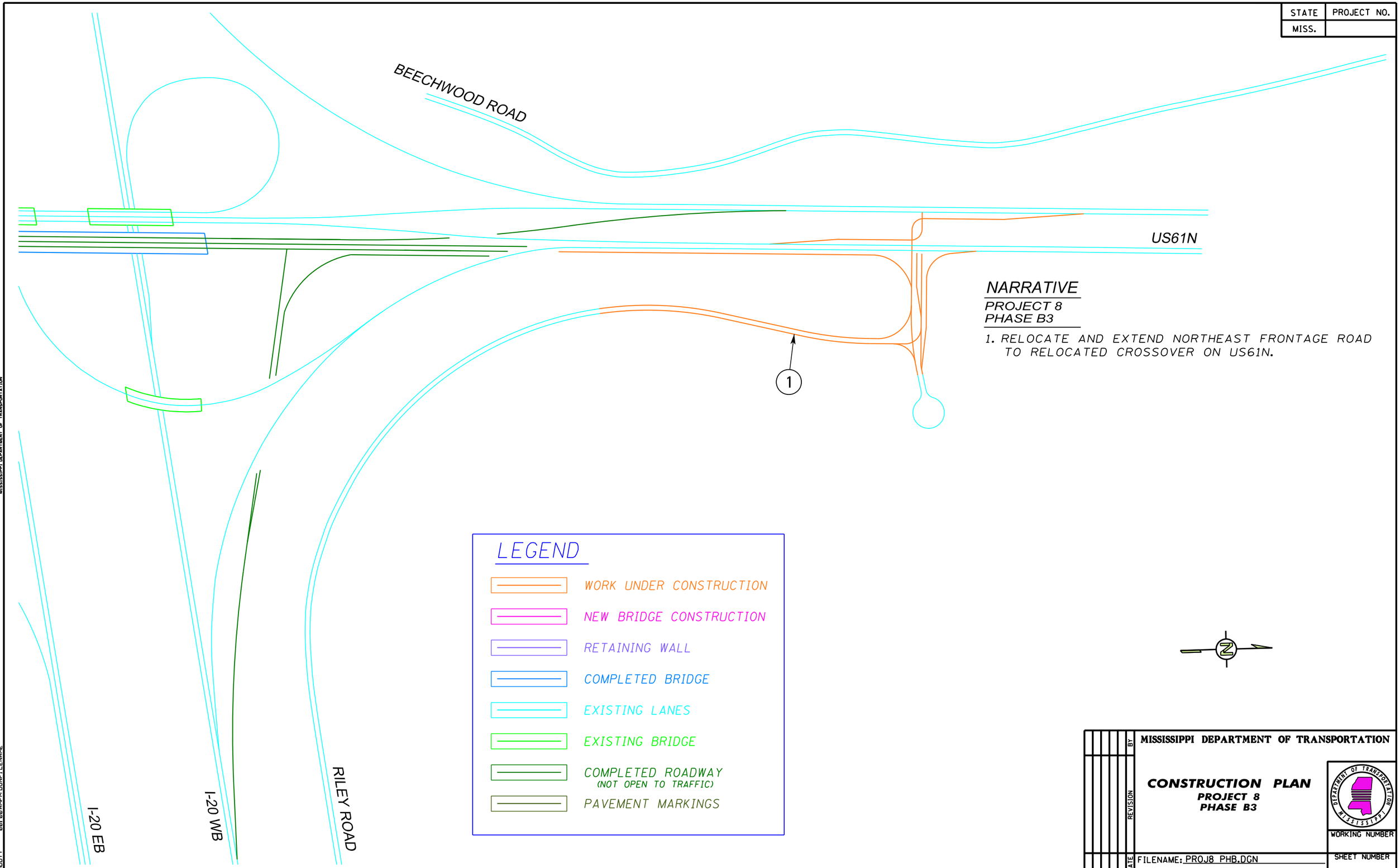
STATE	PROJECT NO.
MISS.	



NARRATIVE

PROJECT 8
PHASE B3

1. RELOCATE AND EXTEND NORTHEAST FRONTAGE ROAD TO RELOCATED CROSSOVER ON US61N.

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 8
PHASE B3

WORKING NUMBER

SHEET NUMBER

FILENAME: PROJ8 PHB.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

MKODYY 00:00AMPM DGNFILENAME

STATE	PROJECT NO.
MISS.	

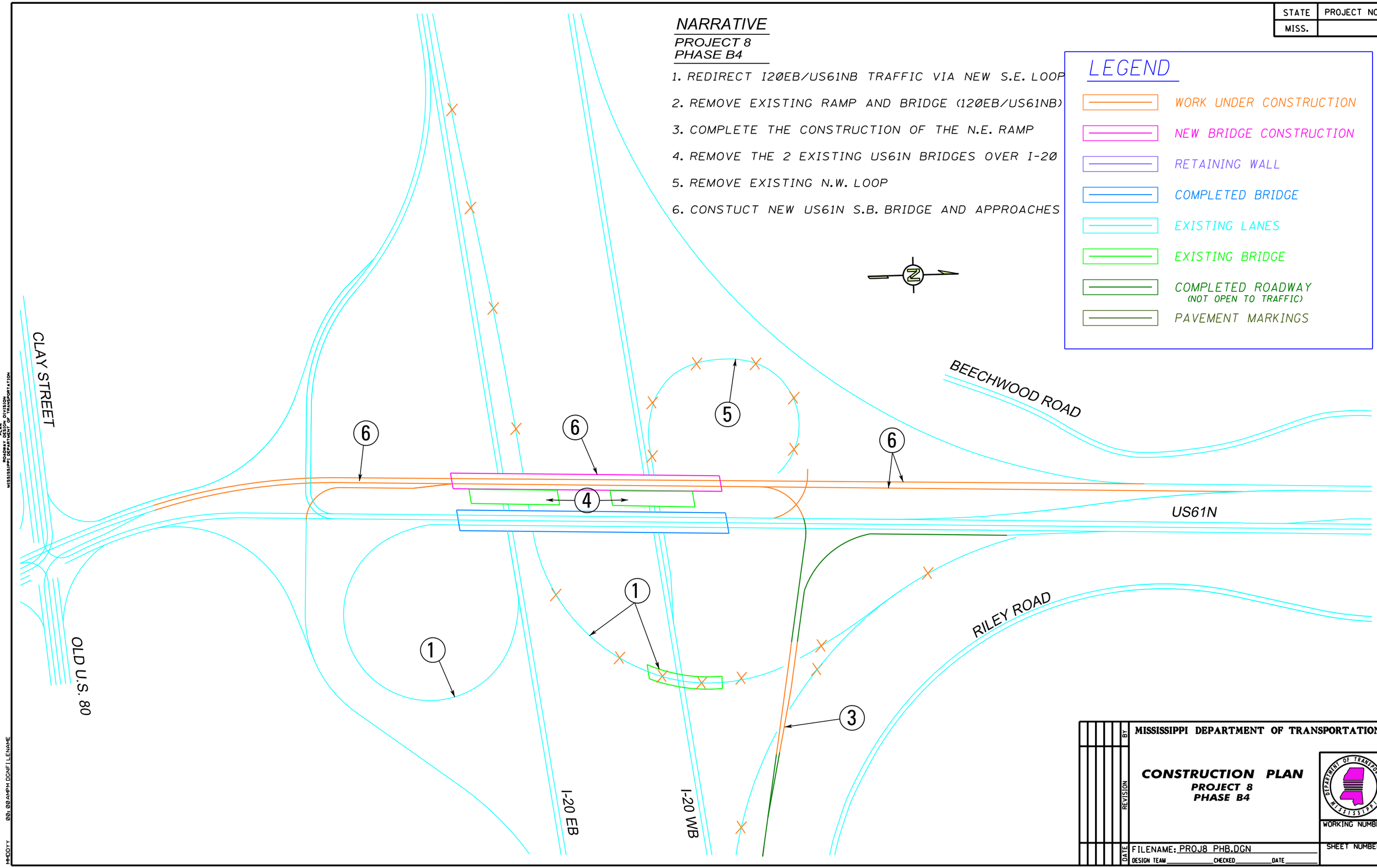
NARRATIVE

PROJECT 8
PHASE B4

1. REDIRECT I20EB/US61NB TRAFFIC VIA NEW S.E. LOOP
2. REMOVE EXISTING RAMP AND BRIDGE (120EB/US61NB)
3. COMPLETE THE CONSTRUCTION OF THE N.E. RAMP
4. REMOVE THE 2 EXISTING US61N BRIDGES OVER I-20
5. REMOVE EXISTING N.W. LOOP
6. CONSTUCT NEW US61N S.B. BRIDGE AND APPROACHES

LEGEND

- WORK UNDER CONSTRUCTION
- NEW BRIDGE CONSTRUCTION
- RETAINING WALL
- COMPLETED BRIDGE
- EXISTING LANES
- EXISTING BRIDGE
- COMPLETED ROADWAY (NOT OPEN TO TRAFFIC)
- PAVEMENT MARKINGS



MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 8
PHASE B4

WORKING NUMBER

SHEET NUMBER

REVISION | BY | DATE

FILENAME: PROJ8 PHB.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

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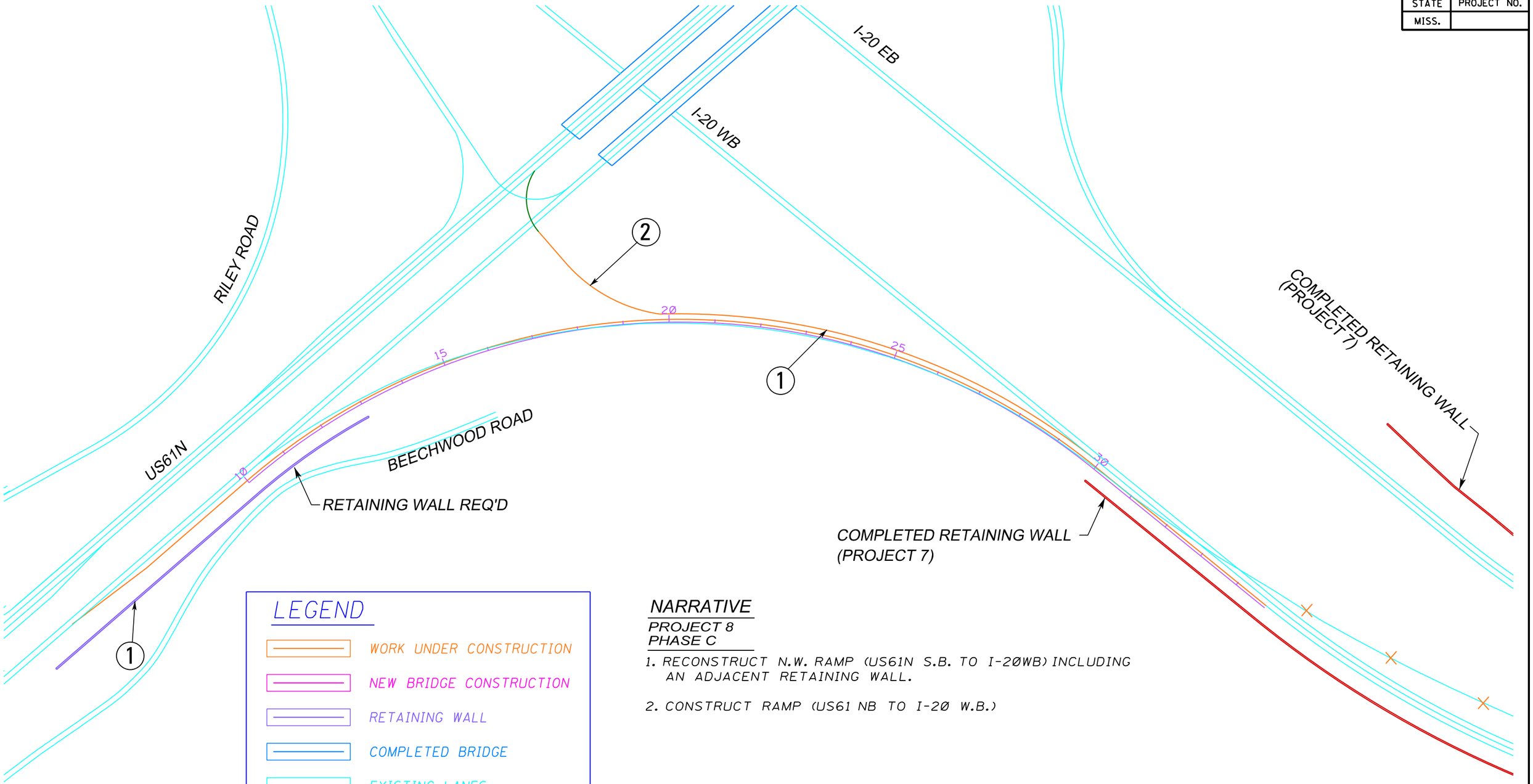
STATE	PROJECT NO.
MISS.	



LEGEND

- WORK UNDER CONSTRUCTION
- NEW BRIDGE CONSTRUCTION
- RETAINING WALL
- COMPLETED BRIDGE
- EXISTING LANES
- EXISTING BRIDGE
- COMPLETED ROADWAY (NOT OPEN TO TRAFFIC)
- PAVEMENT MARKINGS
- RETAINING WALL IN PLACE

NARRATIVE

PROJECT 8
PHASE C

1. RECONSTRUCT N.W. RAMP (US61N S.B. TO I-20WB) INCLUDING AN ADJACENT RETAINING WALL.

2. CONSTRUCT RAMP (US61 NB TO I-20 W.B.)

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 8
PHASE C1

WORKING NUMBER

FILENAME: PROJ8 PHC.DGN

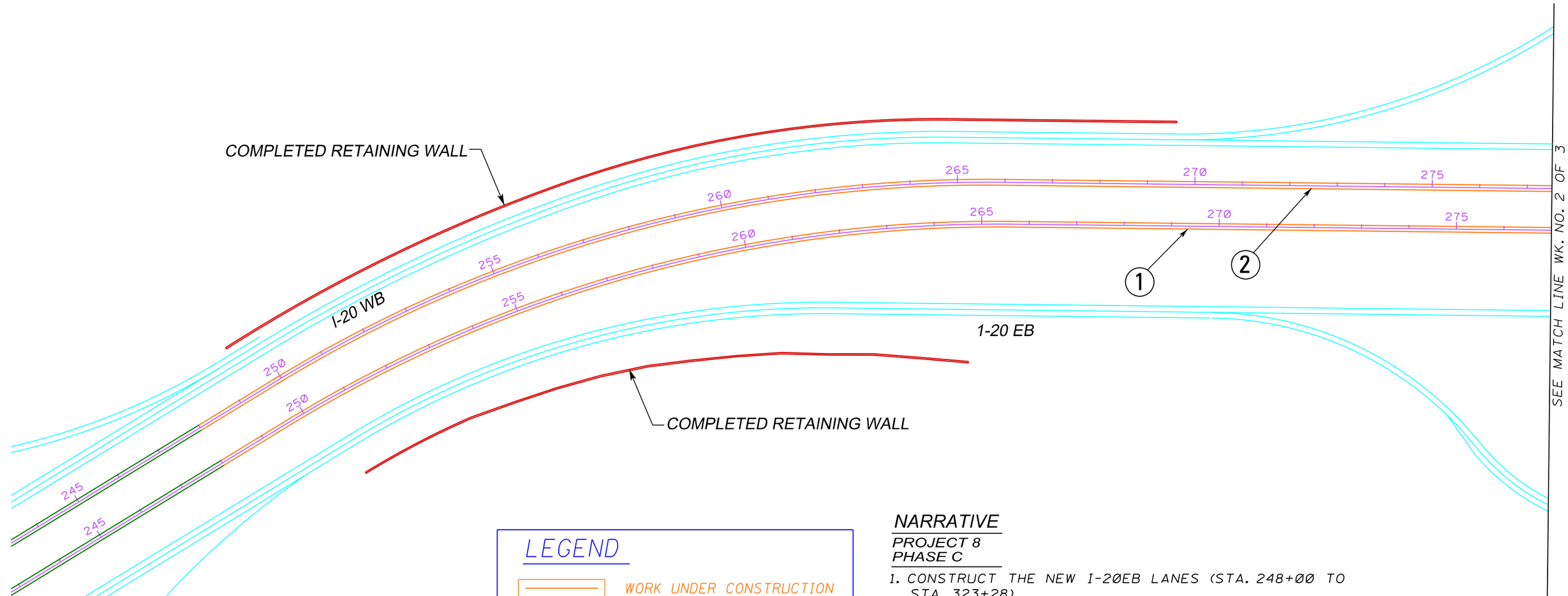
DESIGN TEAM _____ CHECKED _____ DATE _____

SHEET NUMBER

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

MOODYY 00:00AMPM DGNFILENAME

STATE	PROJECT NO.
MISS.	



LEGEND

- WORK UNDER CONSTRUCTION
- NEW BRIDGE CONSTRUCTION
- RETAINING WALL
- COMPLETED BRIDGE
- EXISTING LANES
- EXISTING BRIDGE
- COMPLETED ROADWAY (NOT OPEN TO TRAFFIC)
- PAVEMENT MARKINGS
- RETAINING WALL IN PLACE

NARRATIVE

PROJECT 8
PHASE C

1. CONSTRUCT THE NEW I-20EB LANES (STA. 248+00 TO STA. 323+28).
2. CONSTRUCT THE NEW I-20WB LANES (STA. 248+00 TO STA. 335+17).

N

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 8
PHASE C2

WORKING NUMBER

SHEET NUMBER

REVISION | BY | DATE

FILENAME: PROJ8 PHC.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

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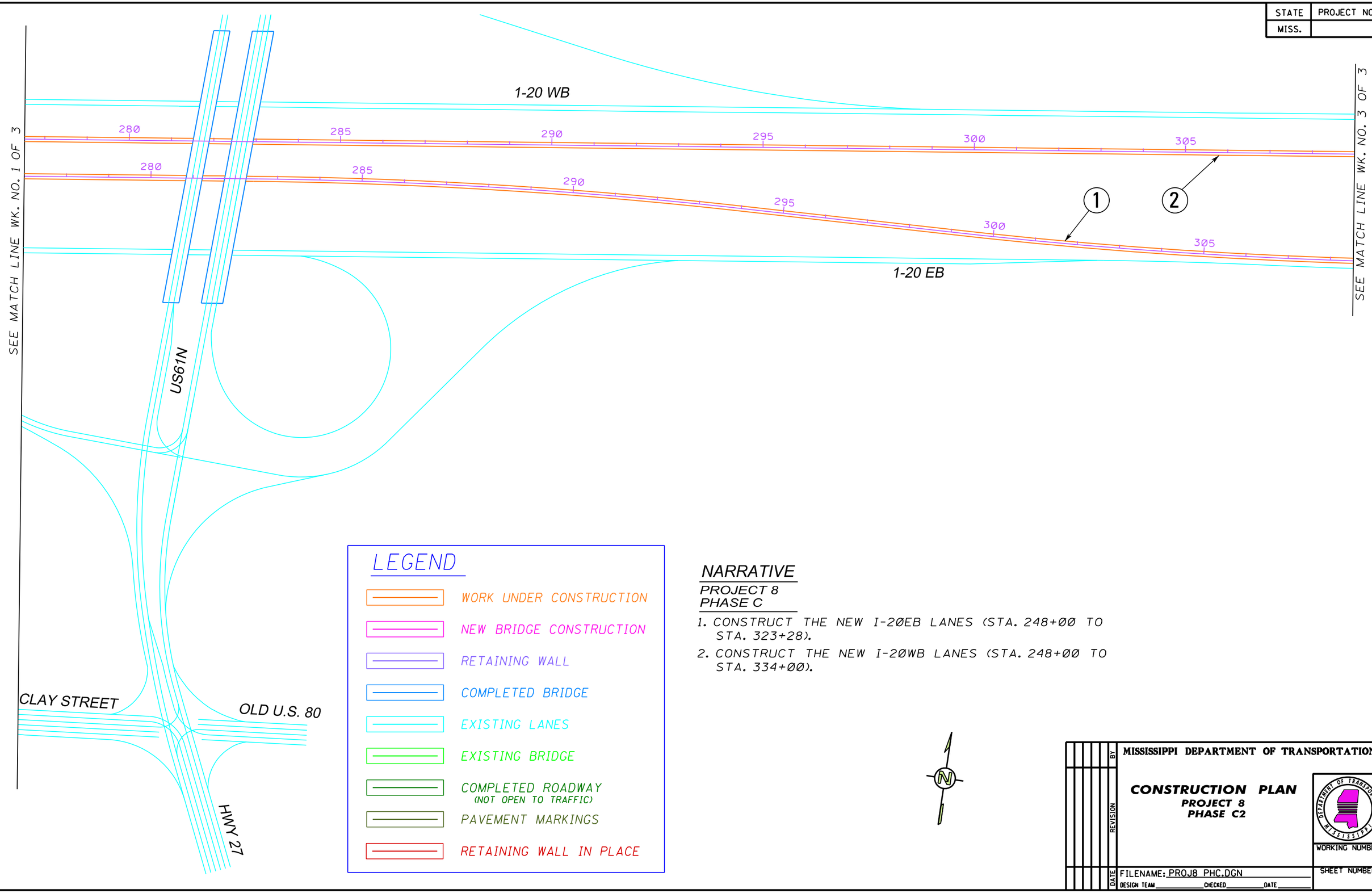
STATE	PROJECT NO.
MISS.	



NARRATIVE

PROJECT 8
PHASE C

1. CONSTRUCT THE NEW I-20EB LANES (STA. 248+00 TO STA. 323+28).
2. CONSTRUCT THE NEW I-20WB LANES (STA. 248+00 TO STA. 334+00).

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 8
PHASE C2

WORKING NUMBER

SHEET NUMBER

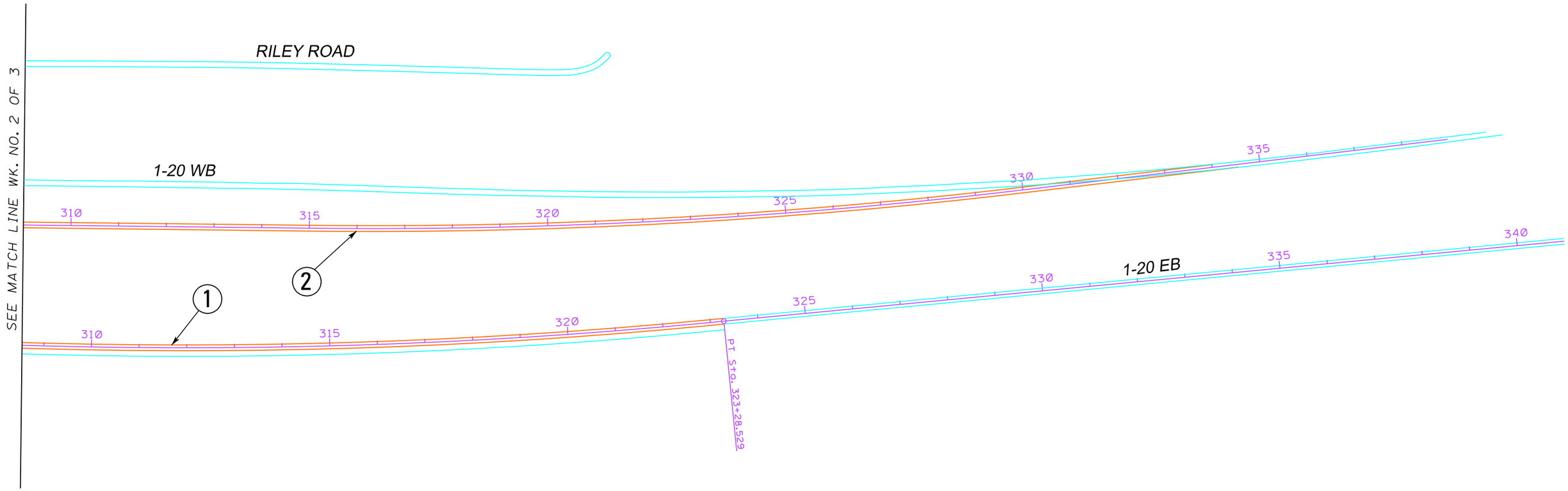
FILENAME: PROJ8 PHC.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

MOODYY 08:00AMPM DGNFILENAME

STATE	PROJECT NO.
MISS.	



LEGEND

- WORK UNDER CONSTRUCTION
- NEW BRIDGE CONSTRUCTION
- RETAINING WALL
- COMPLETED BRIDGE
- EXISTING LANES
- EXISTING BRIDGE
- COMPLETED ROADWAY (NOT OPEN TO TRAFFIC)
- PAVEMENT MARKINGS
- RETAINING WALL IN PLACE

NARRATIVE

PROJECT 8
PHASE C

1. CONSTRUCT THE NEW I-20EB LANES (STA. 248+00 TO STA. 323+28).
2. CONSTRUCT THE NEW I-20WB LANES (STA. 248+00 TO STA. 334+00).

N

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

CONSTRUCTION PLAN
PROJECT 8
PHASE C2

WORKING NUMBER

SHEET NUMBER

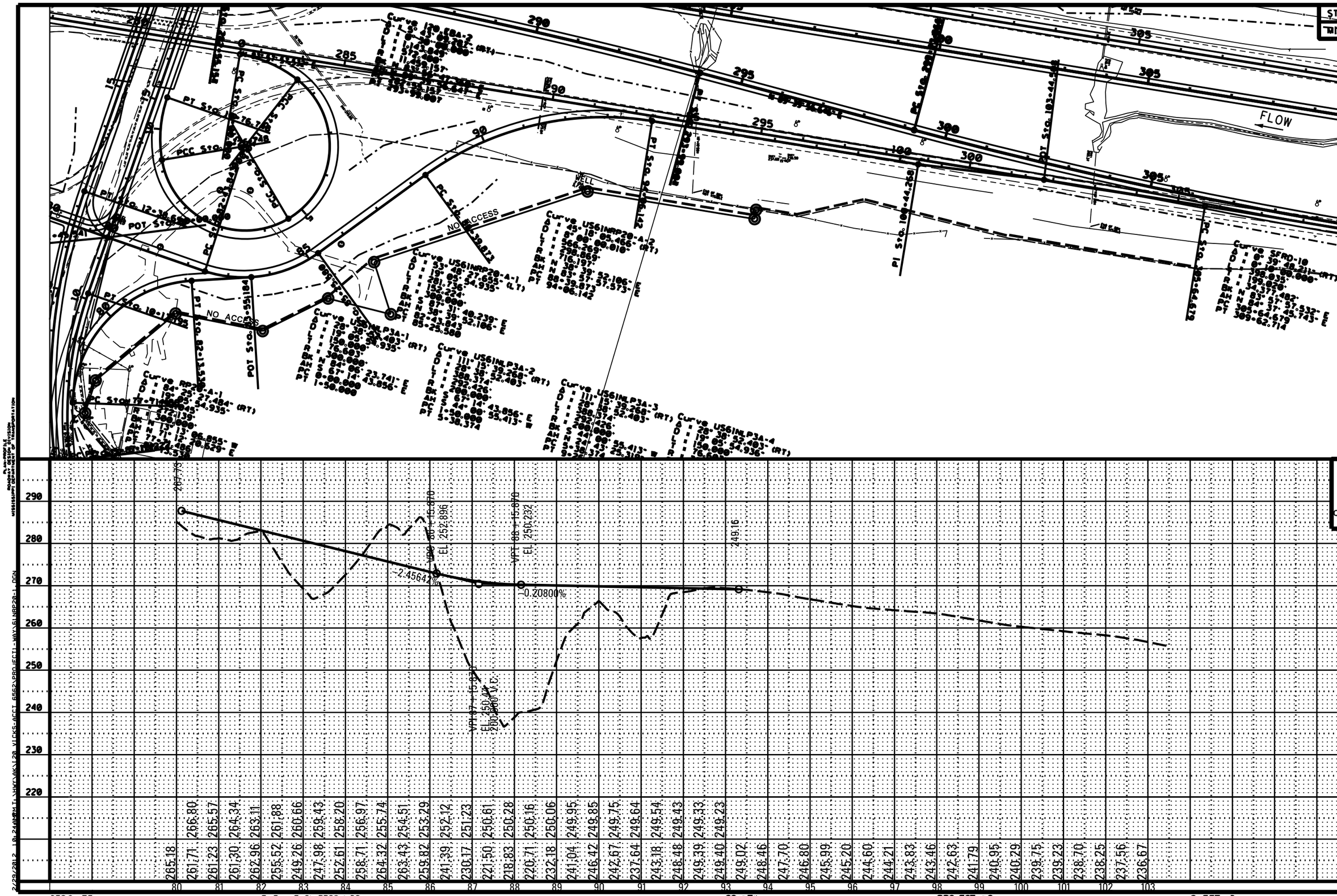
REVISION | BY | DATE

FILENAME: PROJ8_PHC.DGN
DESIGN TEAM _____ CHECKED _____ DATE _____

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

MOODY 08:08AM PM DGNFILENAME

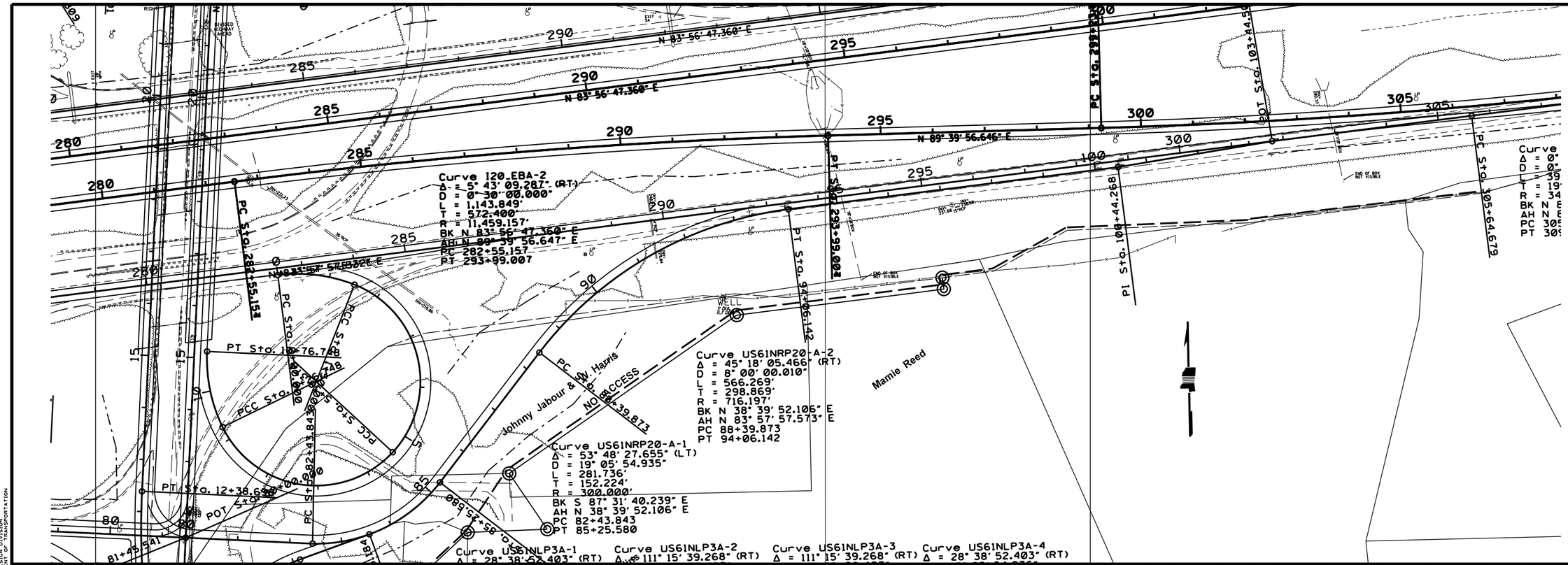
STATE	PROJECT NO.
MISS.	

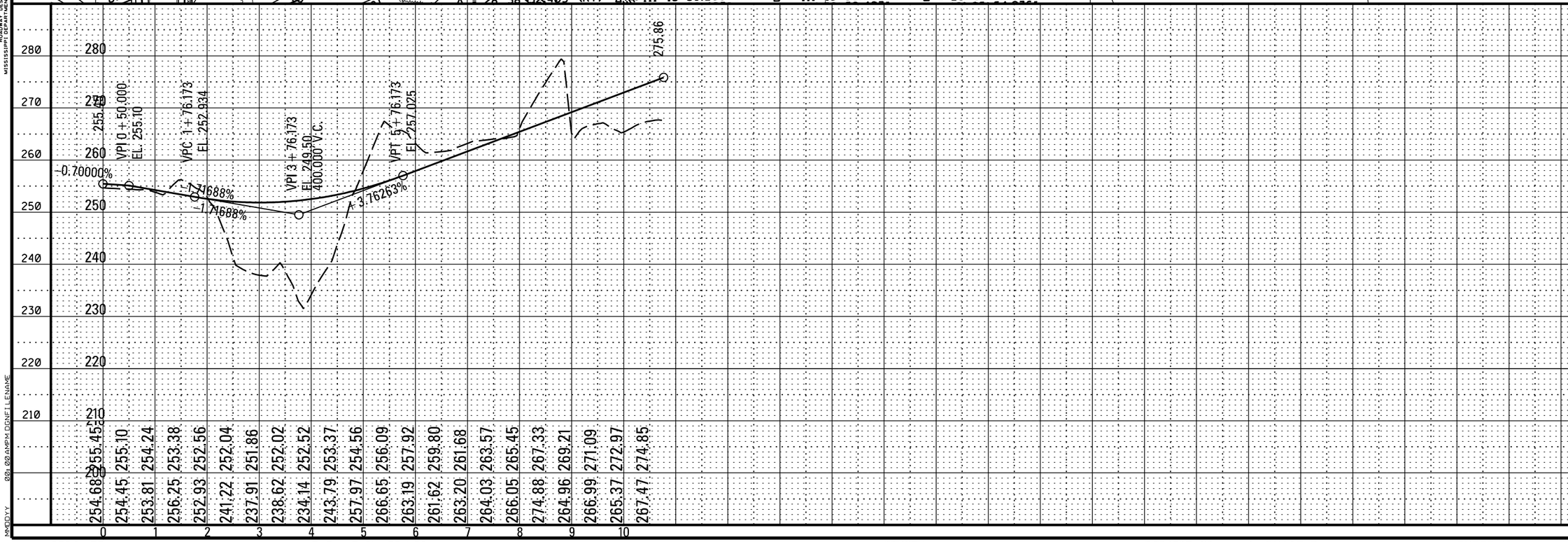


Wk. Sh. 8A-1
Sh. No.

DESIGN TEAM: FILENAME: 61NRP20-1.DGN COUNTY: PROJECT NO. 8 8 PHASE A SHEET ID:

STATE	PROJECT NO.
MISS.	





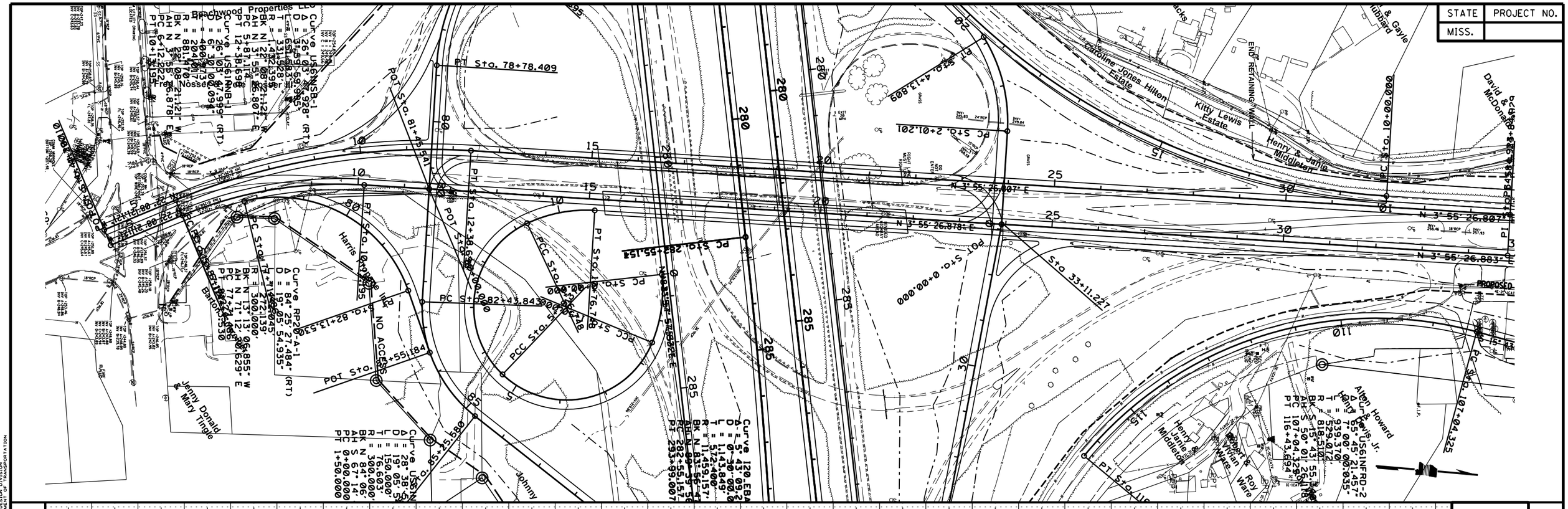
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

001 00 AMPM DGNFILENAME

MOODYY

DESIGN TEAM: FILENAME: 61NLP3-1.DGN COUNTY: PROJECT NO. : 8 PHASE B SHEET ID:

STATE	PROJECT NO.
MISS.	

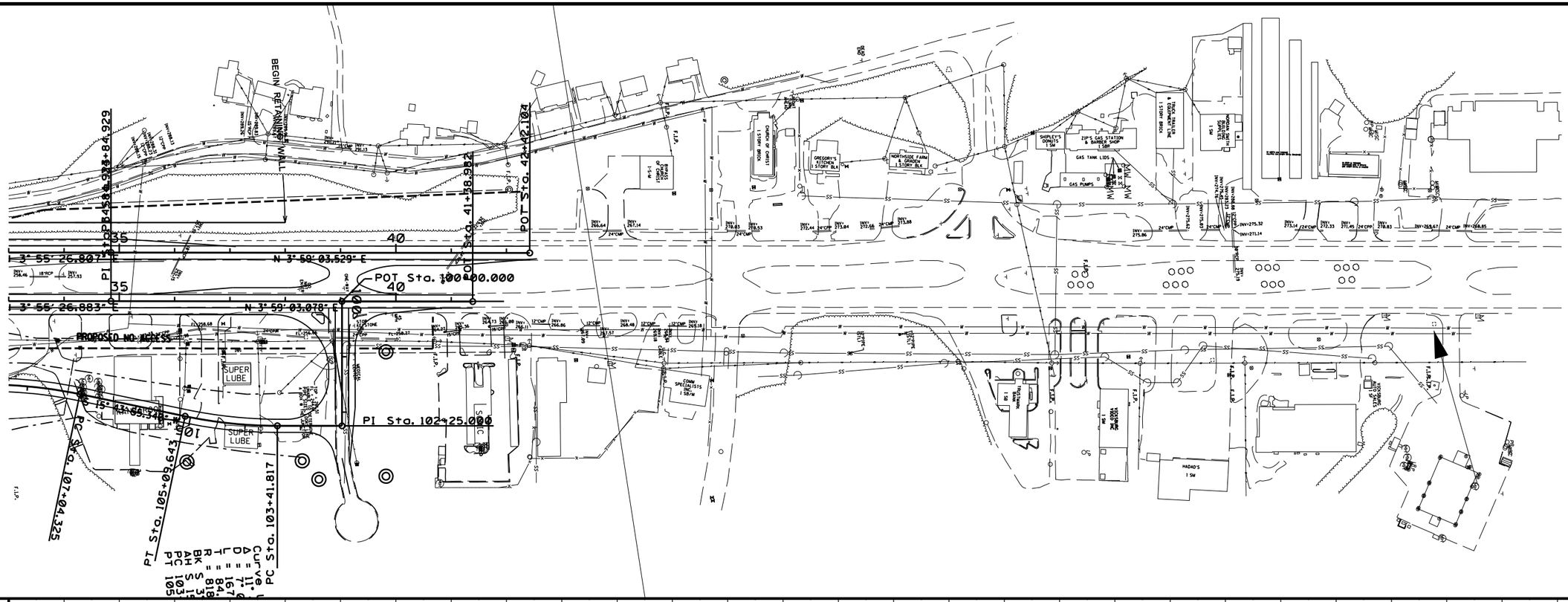


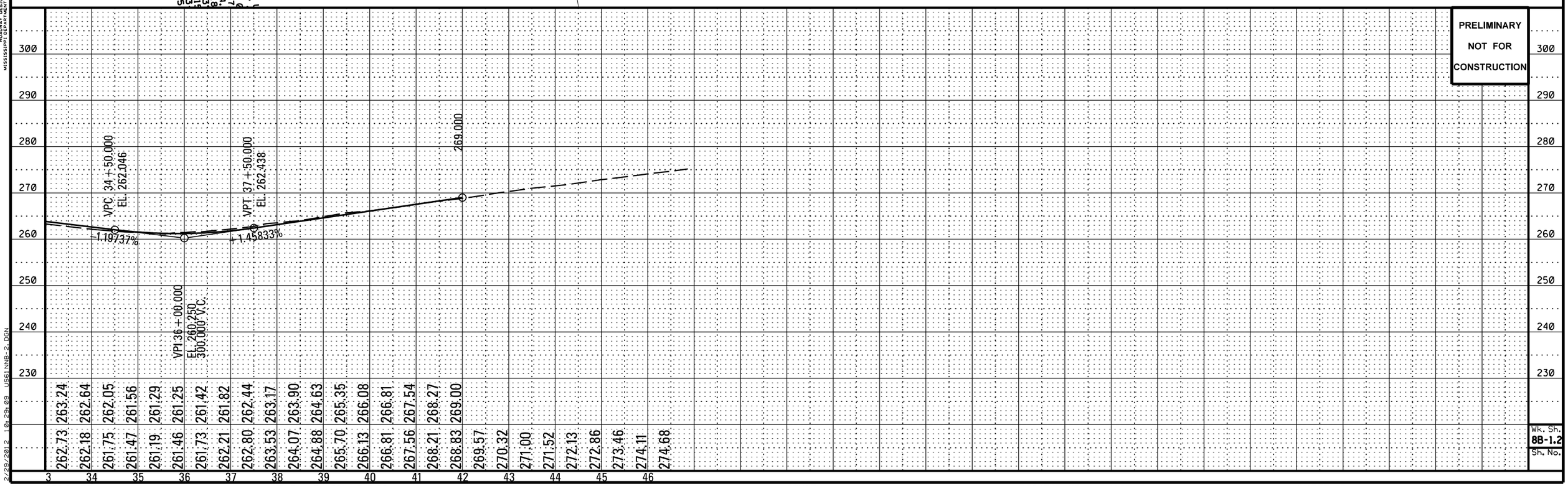
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

MOODYY 00:00AM PDNFILENAME

DESIGN TEAM: FILENAME: US61NNB-1A.DGN COUNTY: PROJECT NO. : 8 PHASE B SHEET ID:

STATE	PROJECT NO.
MISS.	



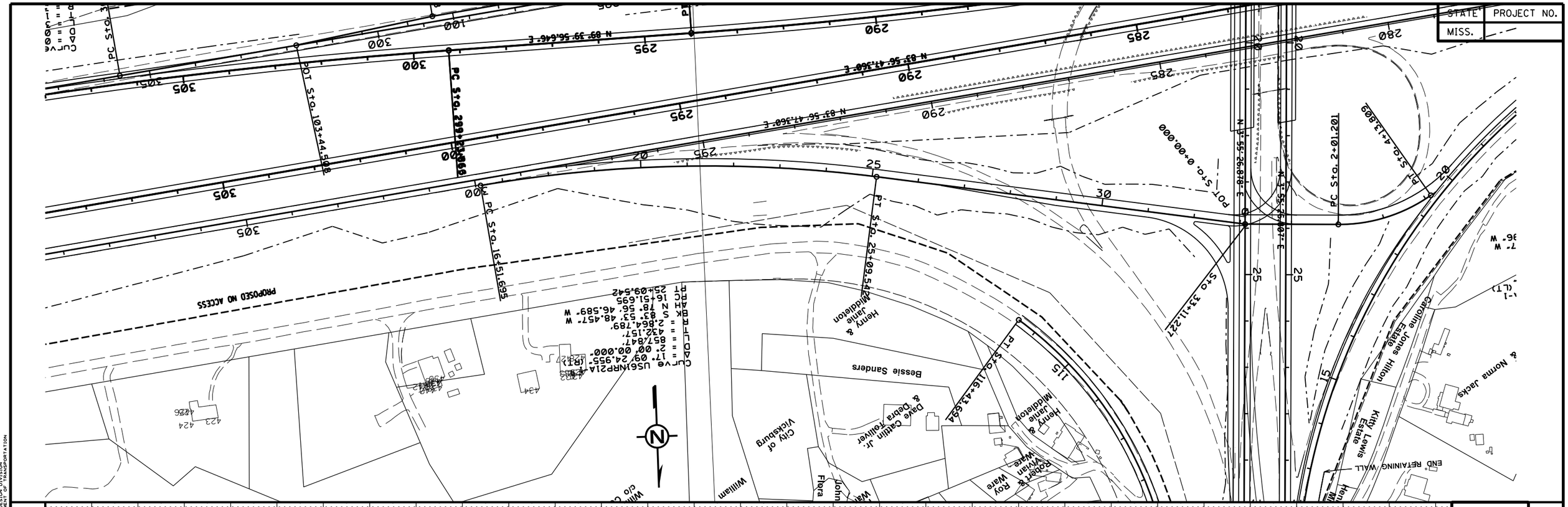


PLAN PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

2/29/2012 10:29:09 US61NNB-2.DGN

Wk. Sh. 8B-1.2
Sh. No.

DESIGN TEAM: FILENAME: US61NNB-2.DGN COUNTY: PROJECT NO. 8 PHASE B SHEET ID:



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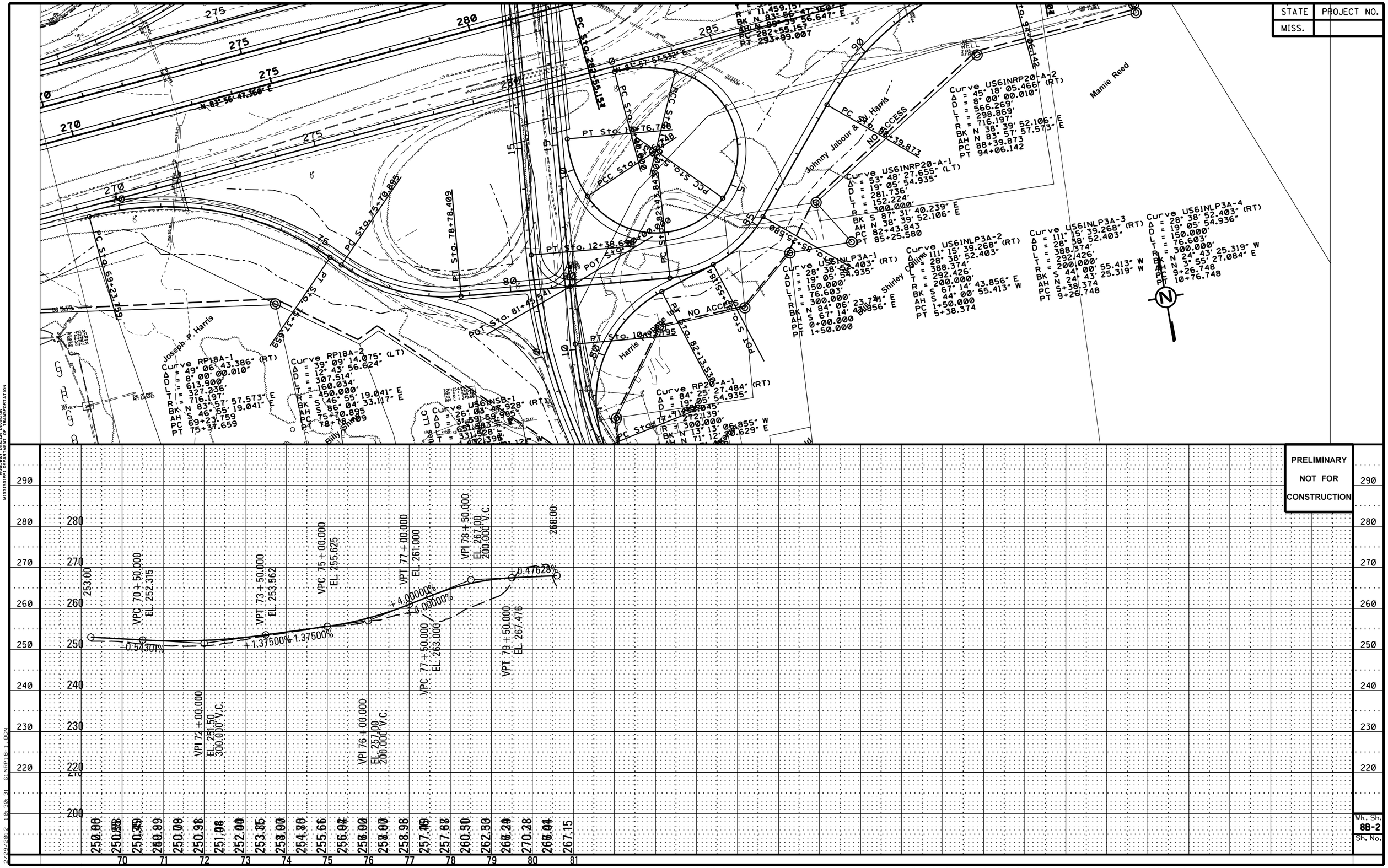
MISS.	



Wk. Sh.
8B-2
Sh. No.

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STATE	PROJECT NO.
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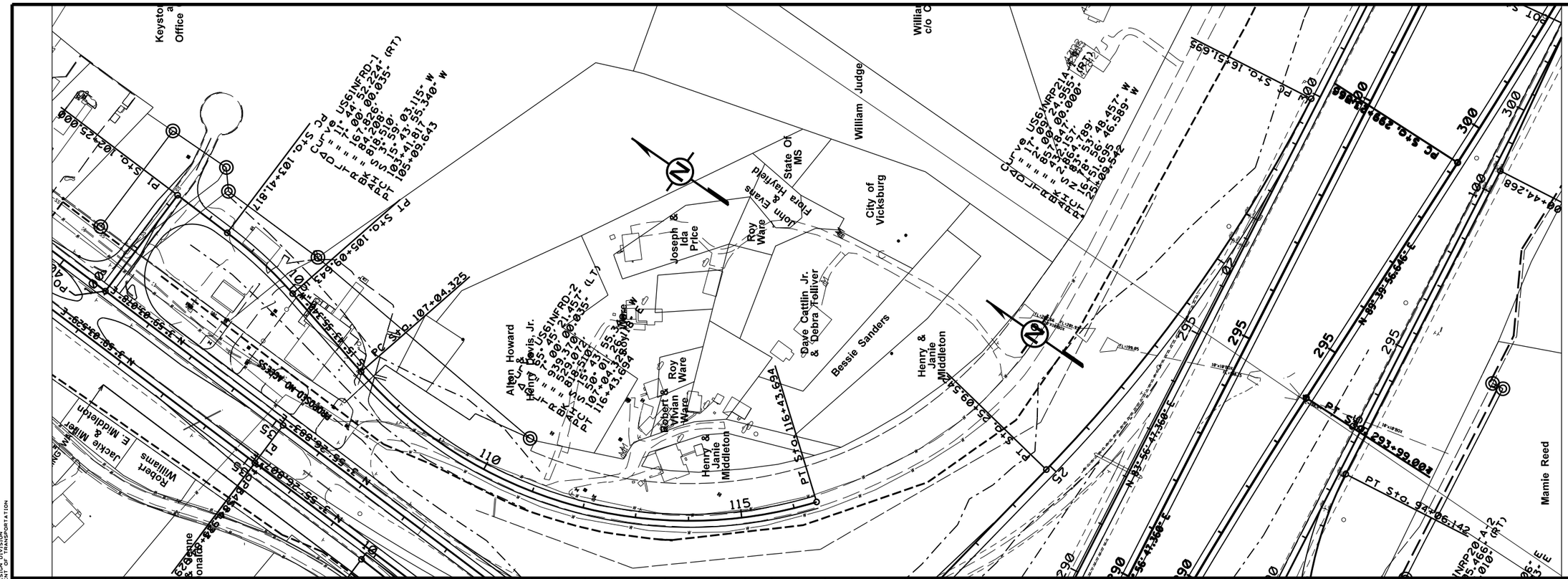
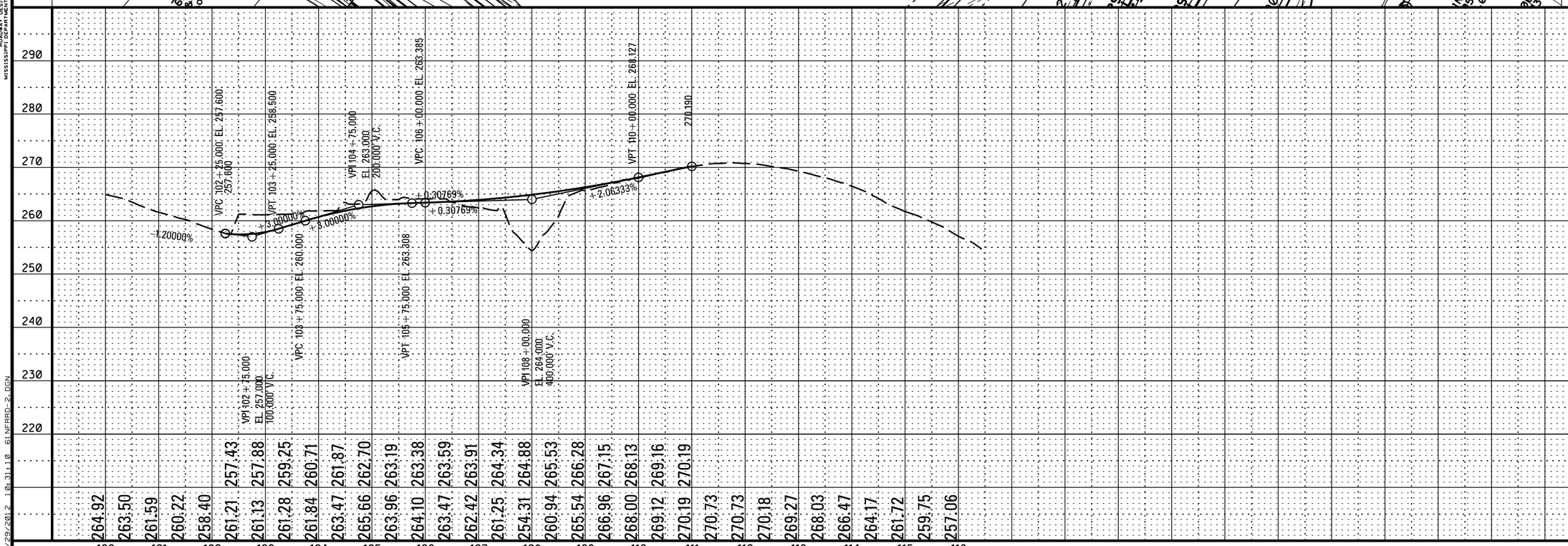




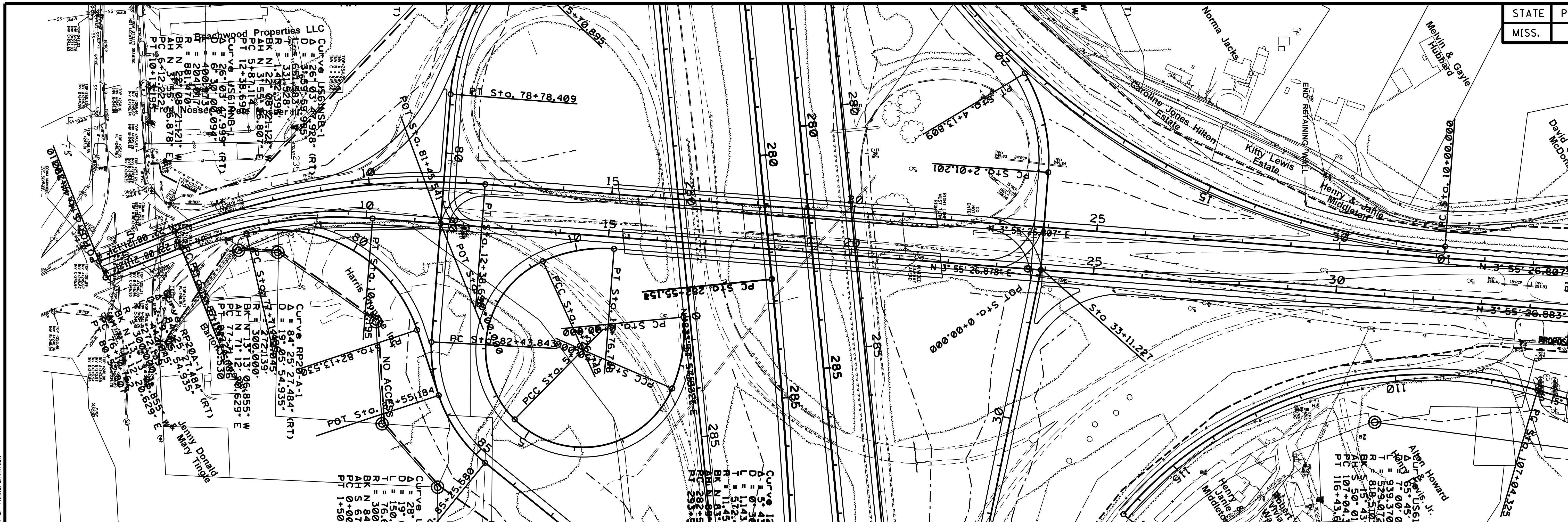
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

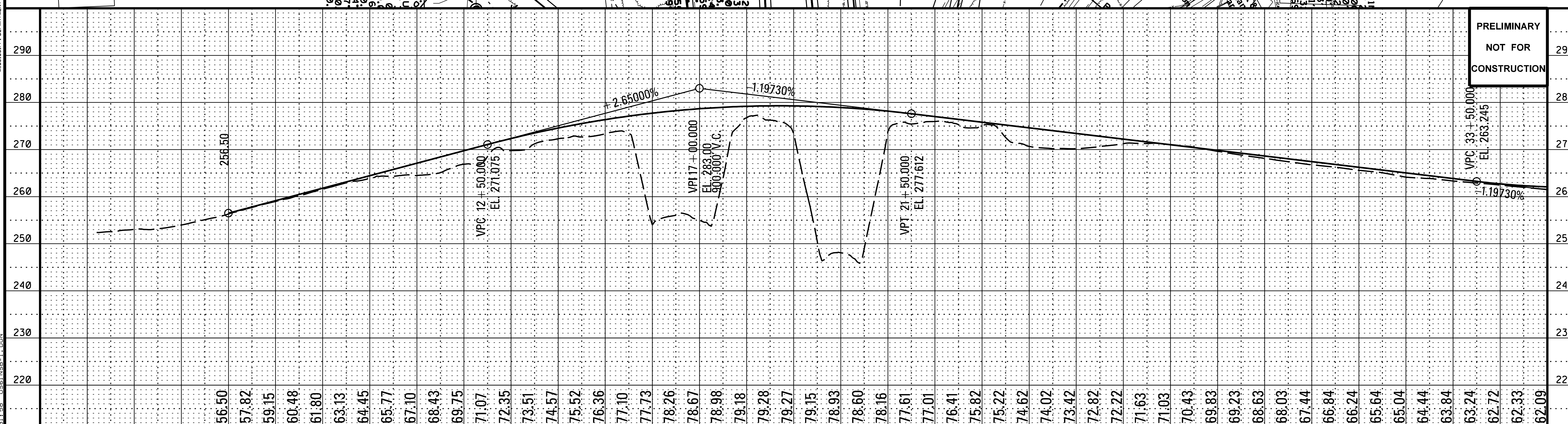
2/29/2012 10:31:10 61INFRRD-2.DGN

Wk. Sh. 8B-3
Sh. No.

DESIGN TEAM: FILENAME: 61INFRRD-2.DGN COUNTY: PROJECT NO. : 8 PHASE B SHEET ID:

STATE	PROJECT NO.
MISS.	





PRELIMINARY

NOT FOR

CONSTRUCTION

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		253.17
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		255.11
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	257.82	257.72
8	259.15	258.98
	260.48	260.24
9	261.80	261.59
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10	264.45	263.85
	265.77	264.35
11	267.10	264.51
	268.43	265.07
12	269.75	266.88
	271.07	268.52
13	272.35	269.77
	273.51	271.21
14	274.57	272.32
	275.52	272.67
15	276.36	273.35
	277.10	273.45
16	277.73	254.02
	278.26	256.04
17	278.67	254.98
	278.98	263.84
18	279.18	276.76
	279.28	276.25
19	279.27	273.40
	279.15	250.56
20	278.93	248.10
	278.60	249.11
21	278.16	273.82
	277.61	275.43
22	277.01	275.96
	276.41	275.31
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	272.82	270.64
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	271.63	271.30
27	271.03	271.06
	270.43	270.50
28	269.83	269.64
	269.23	268.84
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	268.03	267.42
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	266.84	266.25
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32	265.04	264.14
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Wk. Sh. 8B-4

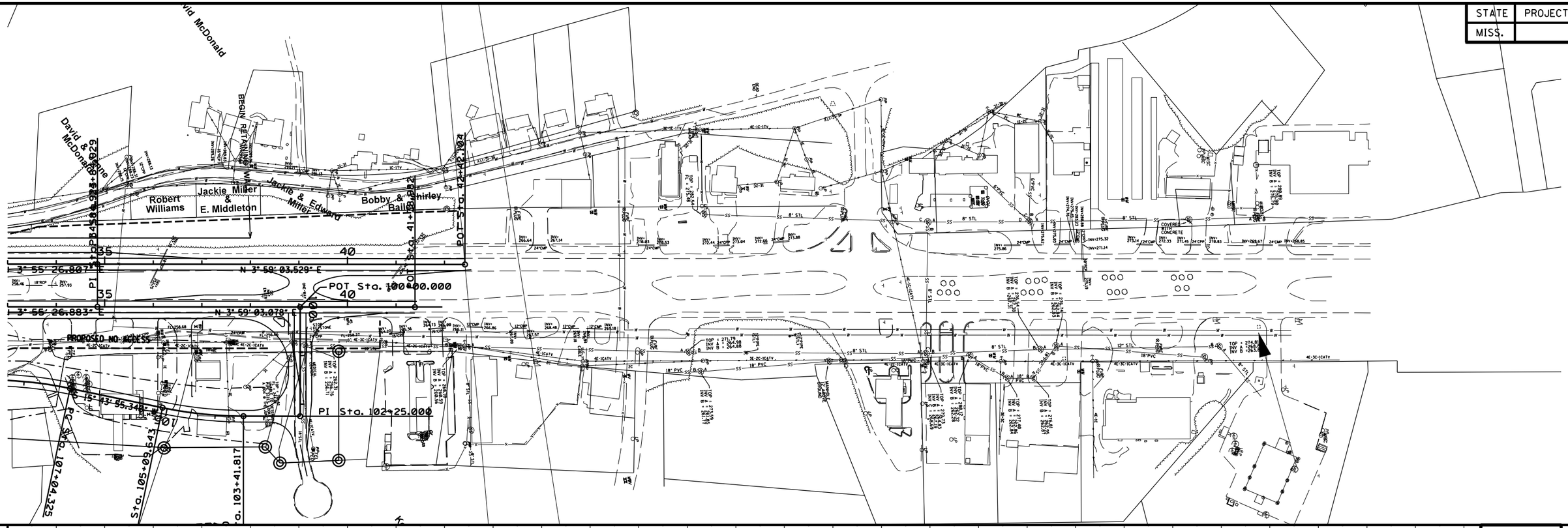
Sh. No.

PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

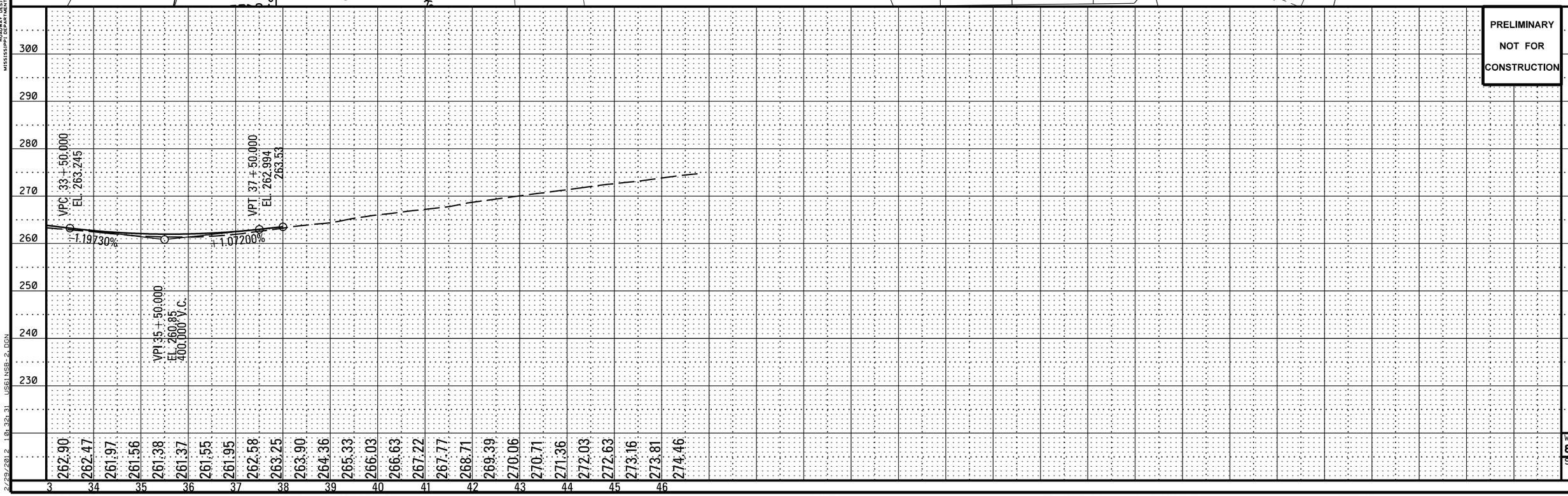
2/29/2012 10:31:58 US61NSB-1.DGN

DESIGN TEAM: FILENAME: US61NSB-1.DGN COUNTY: PROJECT NO. : 8 PHASE B SHEET ID:

STATE	PROJECT NO.
MISS.	



PRELIMINARY
NOT FOR
CONSTRUCTION



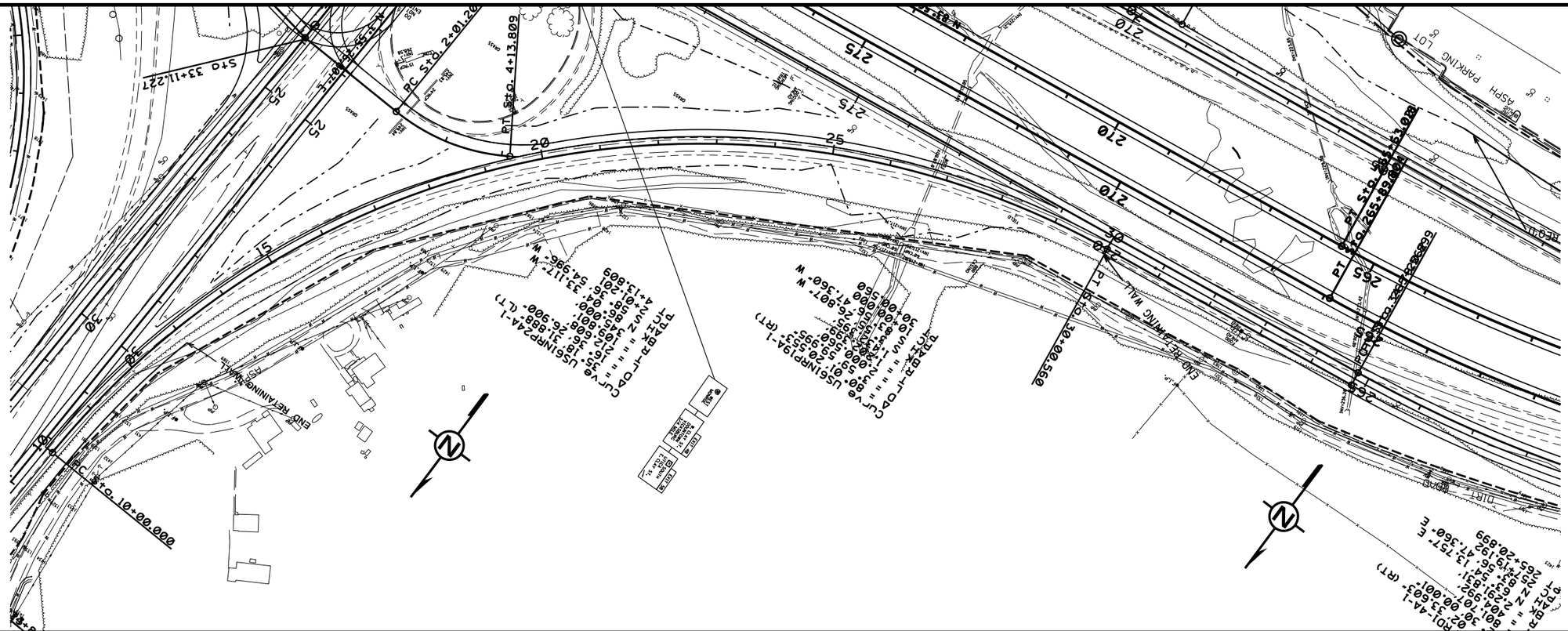
Wk. Sh.
8B-4.1
Sh. No.

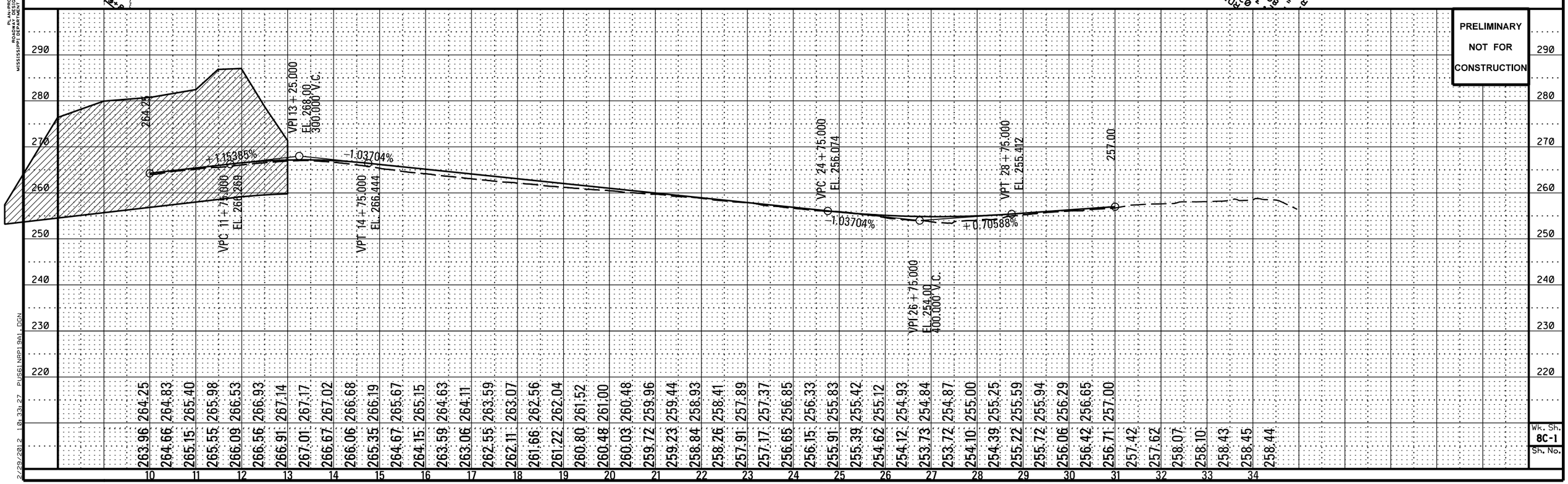
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

2/29/2012 10:32:31 US61NSB-2.DGN

DESIGN TEAM: FILENAME: US61NSB-2.DGN COUNTY: PROJECT NO. : 8 PHASE B SHEET ID:

STATE	PROJECT NO.
MISS.	





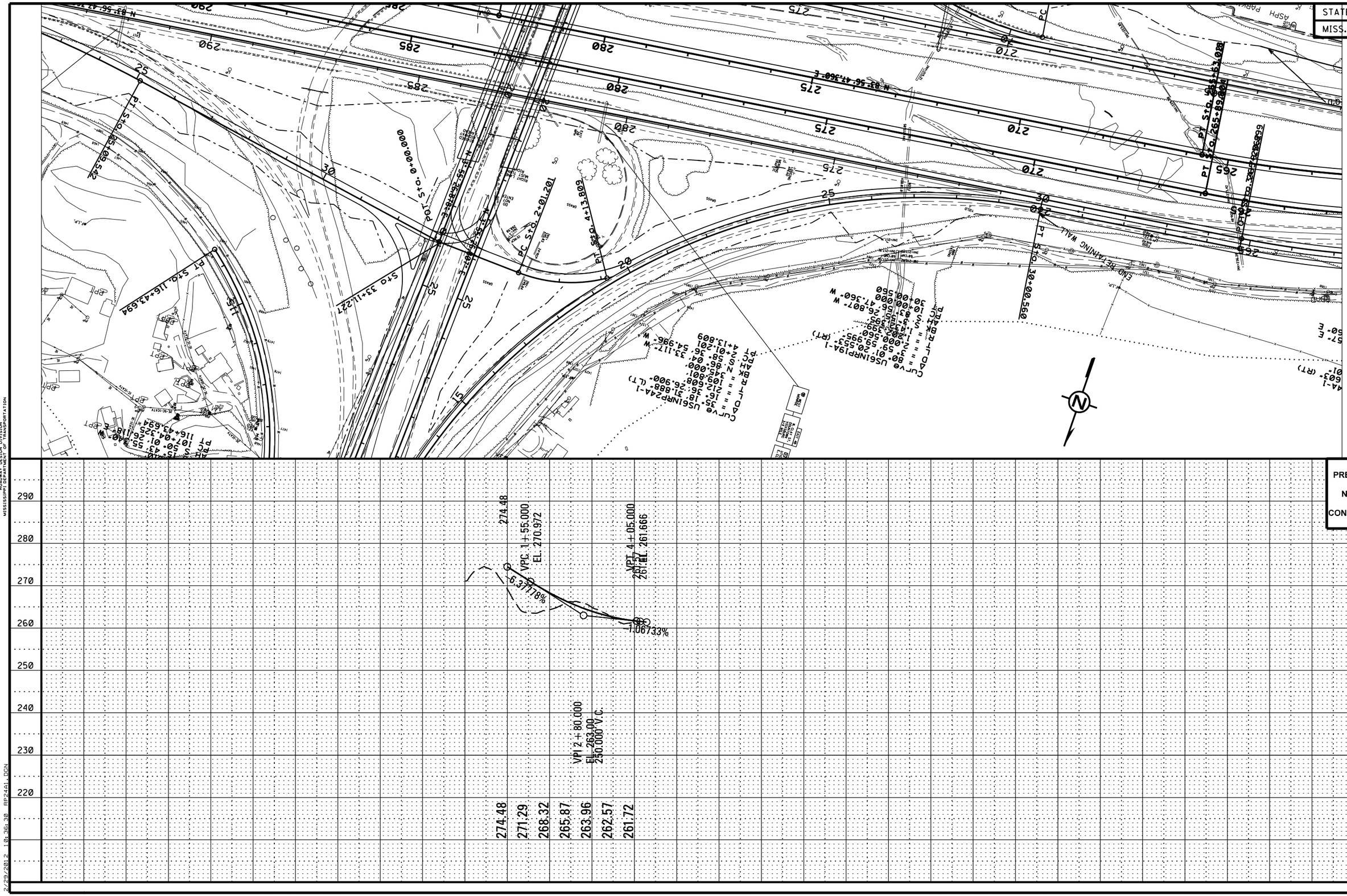
Wk. Sh. 8C-1
Sh. No.

PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

2/29/2012 10:33:27 PUS61NRP19A1.DGN

DESIGN TEAM: FILENAME: PUS61NRP19A1.DGN COUNTY: PROJECT NO. 8 PHASE C SHEET ID:

STATE	PROJECT NO.
MISS.	

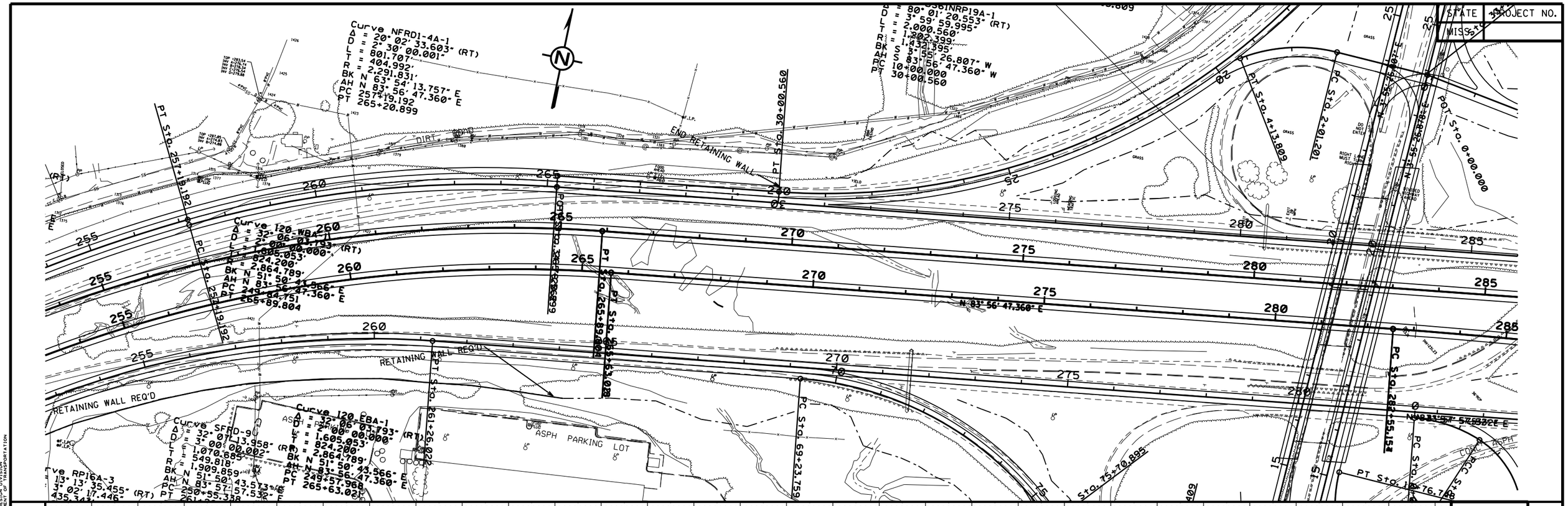


PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

2/29/2012 10:36:30 RP24A1.DGN

Wk. Sh.
8C-1.1
Sh. No.

DESIGN TEAM: FILENAME: RP24A1.DGN COUNTY: PROJECT NO. 8 PHASE C SHEET ID:



STATE PROJECT NO.
MISS.

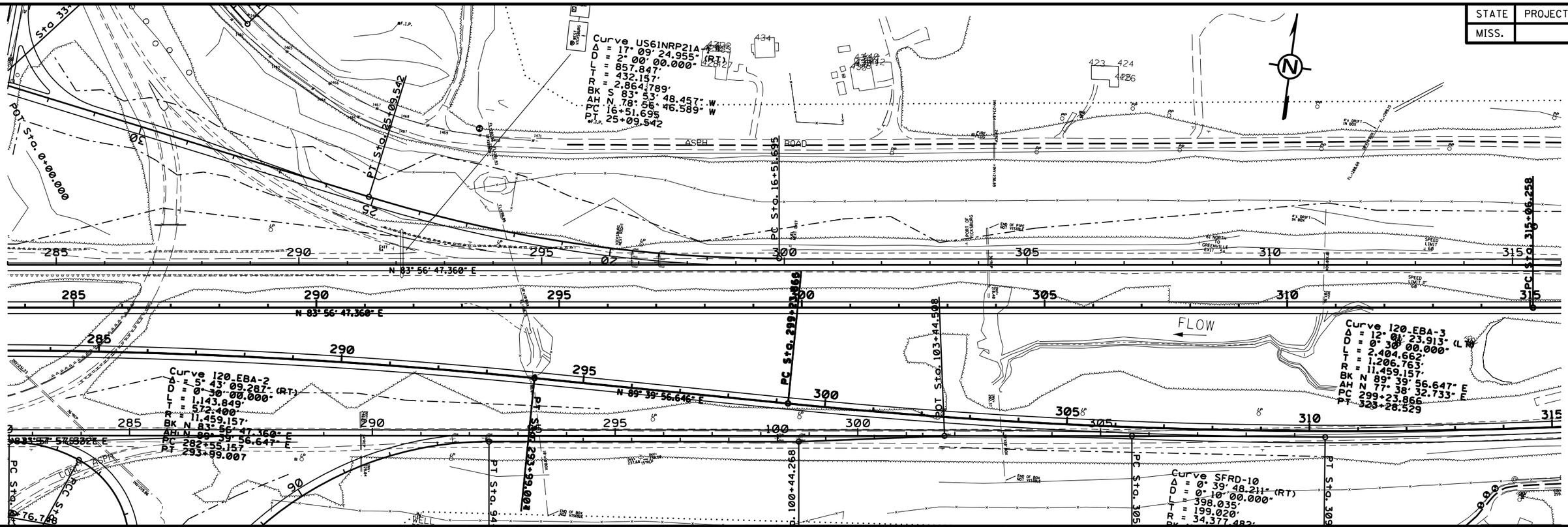
Wk. Sh. 8C-2
Sh. No.

PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

2/23/2012 10:38:16 PNFRD1A1.DGN

DESIGN TEAM: FILENAME: PNFRD1A1.DGN COUNTY: PROJECT NO. 8 PHASE C SHEET ID:

STATE	PROJECT NO.
MISS.	



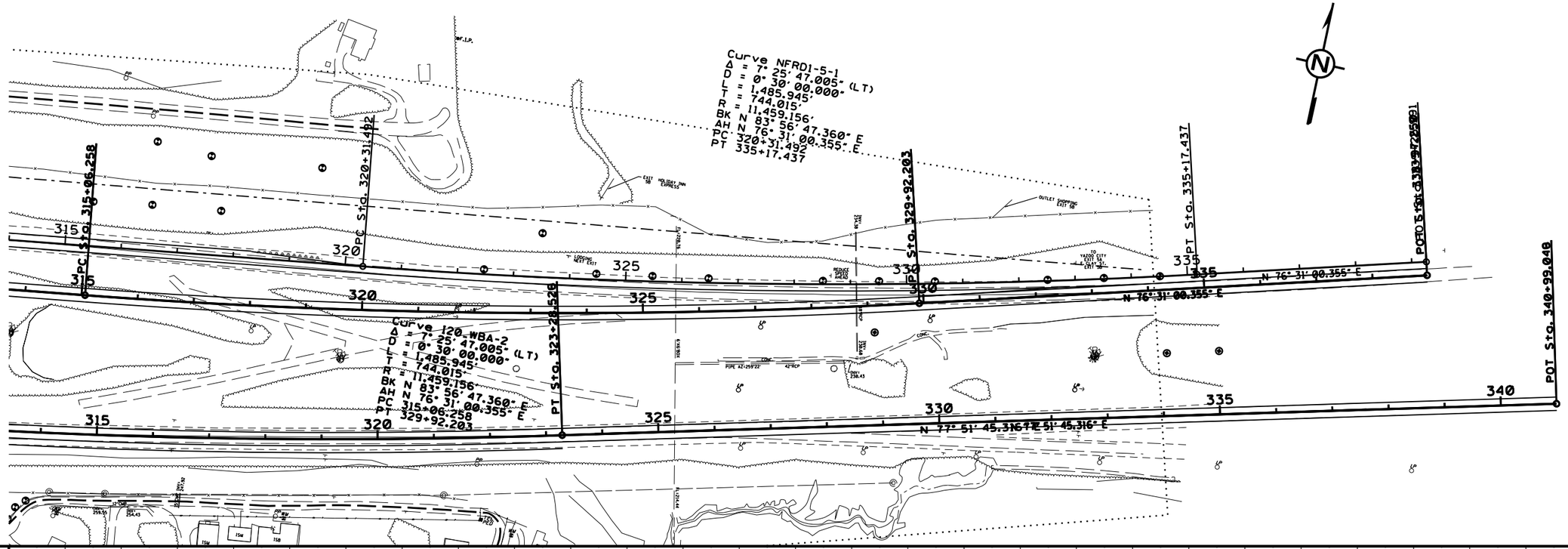
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

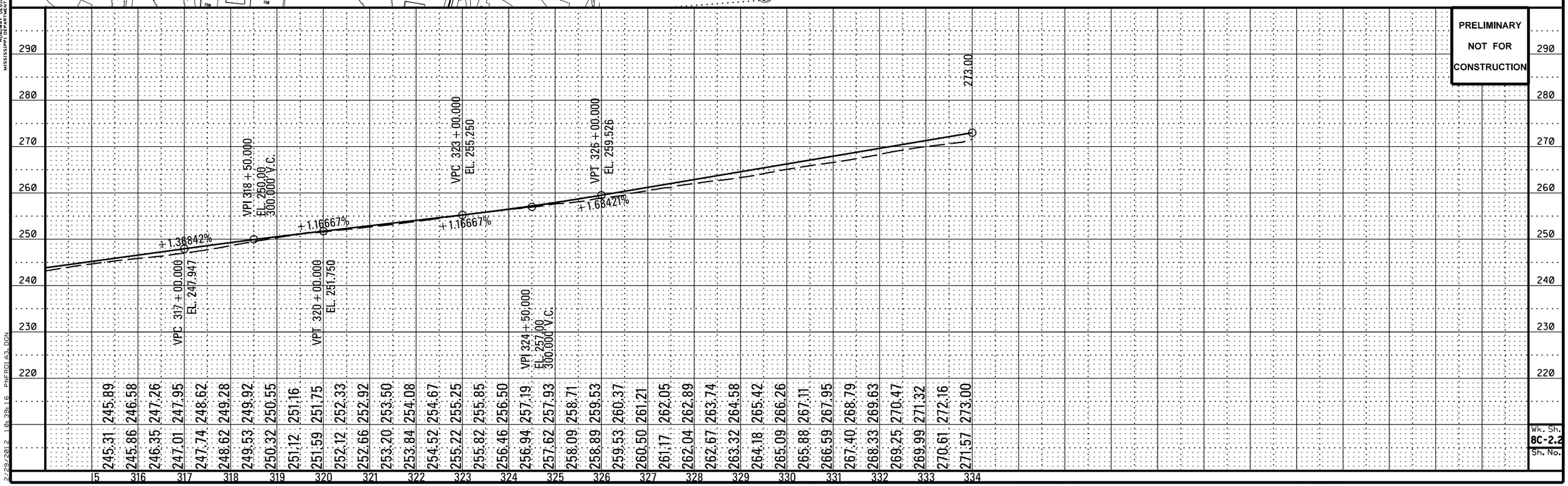
2/29/2012 10:38:45 PNFRD1A2.DGN

Wk. Sh. 8C-2.1
Sh. No.

DESIGN TEAM: FILENAME: PNFRD1A2.DGN COUNTY: PROJECT NO. 8 PHASE C SHEET ID:

STATE	PROJECT NO.
MISS.	





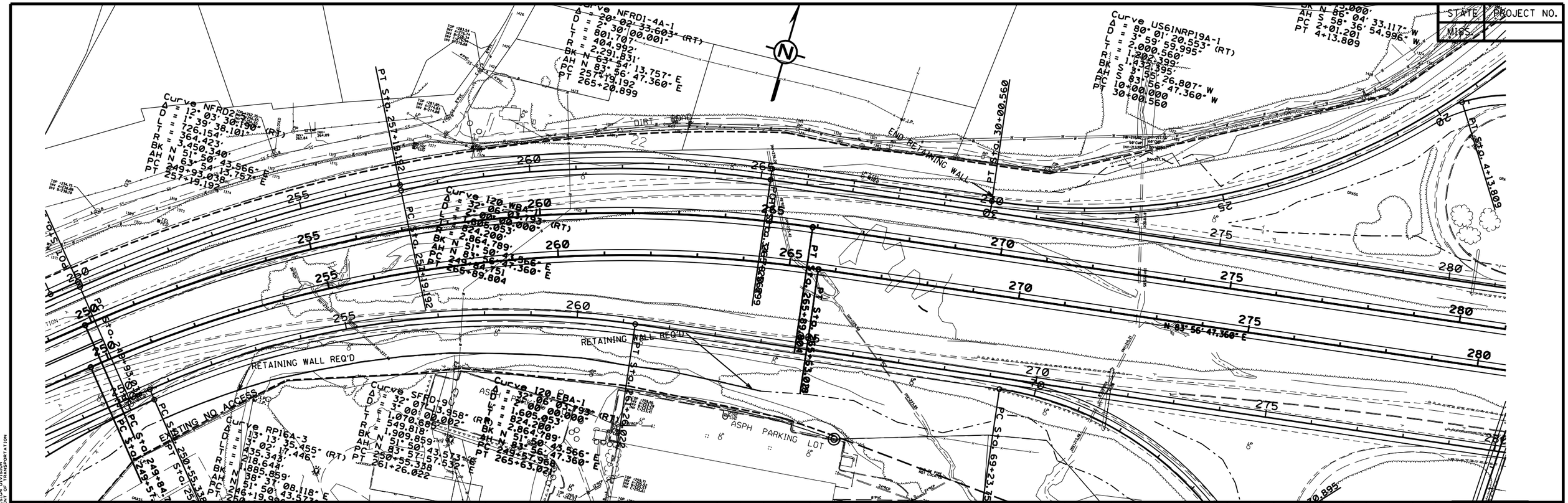
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

2/29/2012 10:39:16 PNFRD1A3.DGN

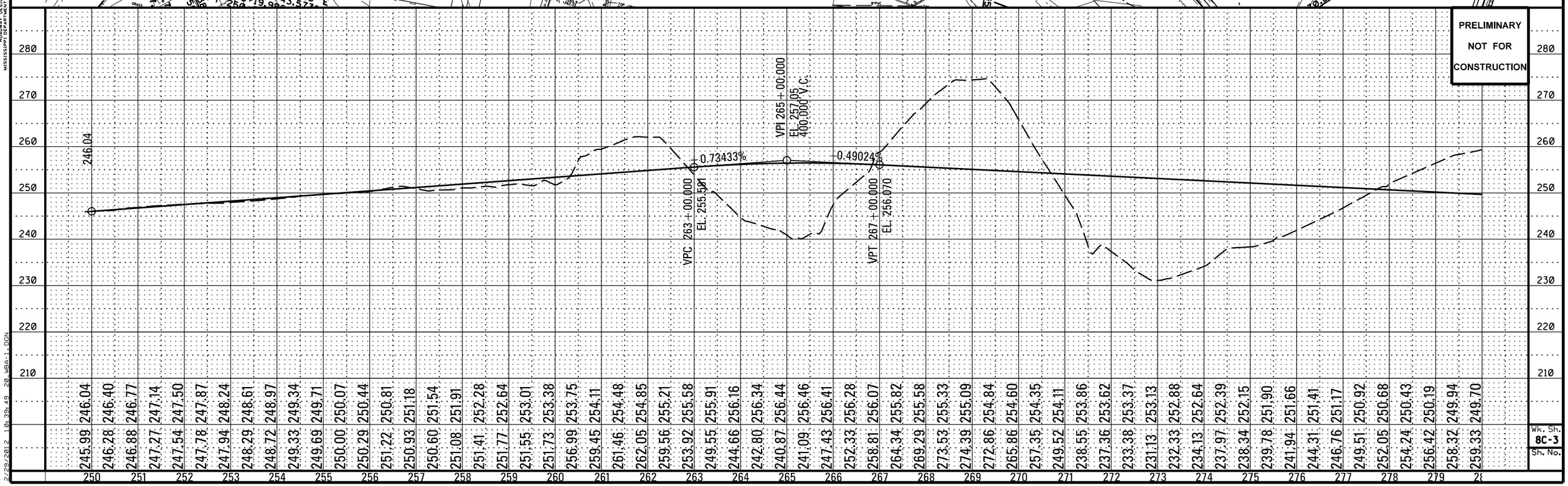
Wk. Sh.
8C-2.2
Sh. No.

DESIGN TEAM: FILENAME: PNFRD1A3.DGN COUNTY: PROJECT NO. 8 PHASE C SHEET ID:

STATE	PROJECT NO.
MISS.	



PRELIMINARY
NOT FOR
CONSTRUCTION



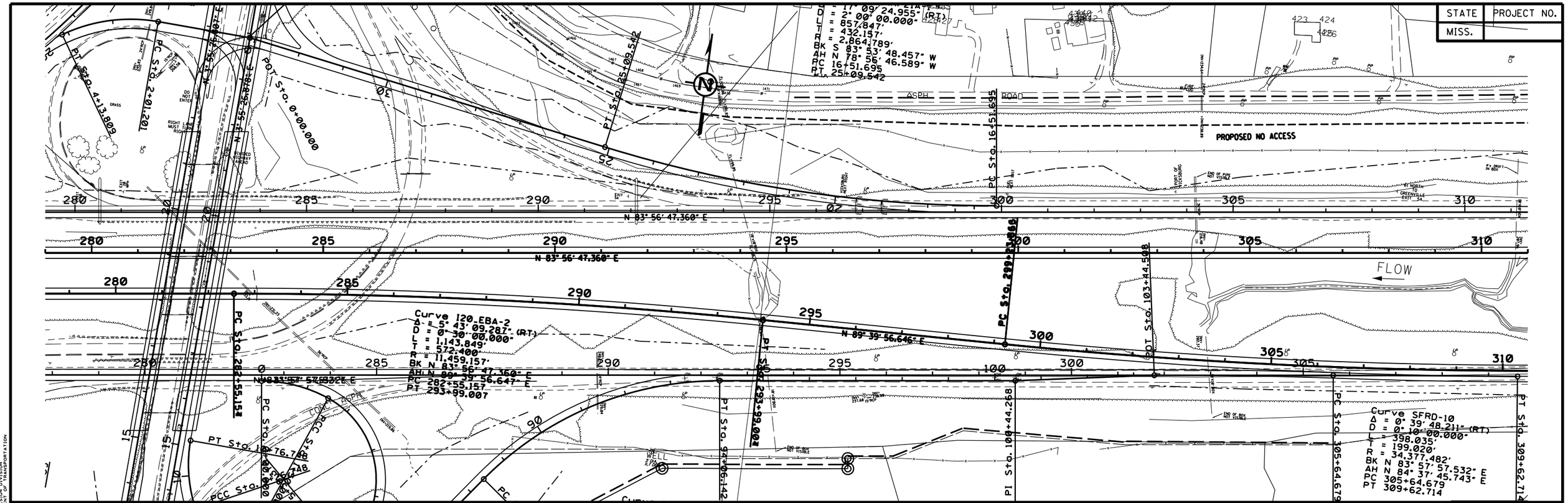
Wk. Sh.
8C-3
Sh. No.

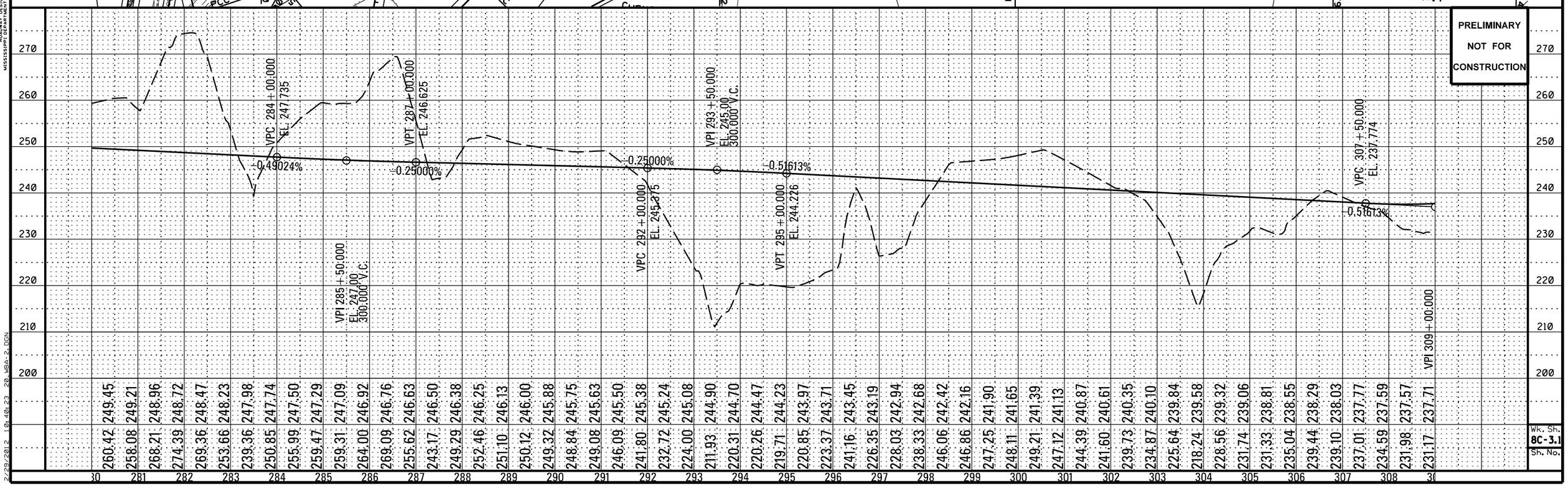
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

2/29/2012 10:39:49 20_WBA-1.DGN

DESIGN TEAM: FILENAME: 20_WBA-1.DGN COUNTY: PROJECT NO. 8 PHASE C SHEET ID:

STATE	PROJECT NO.
MISS.	





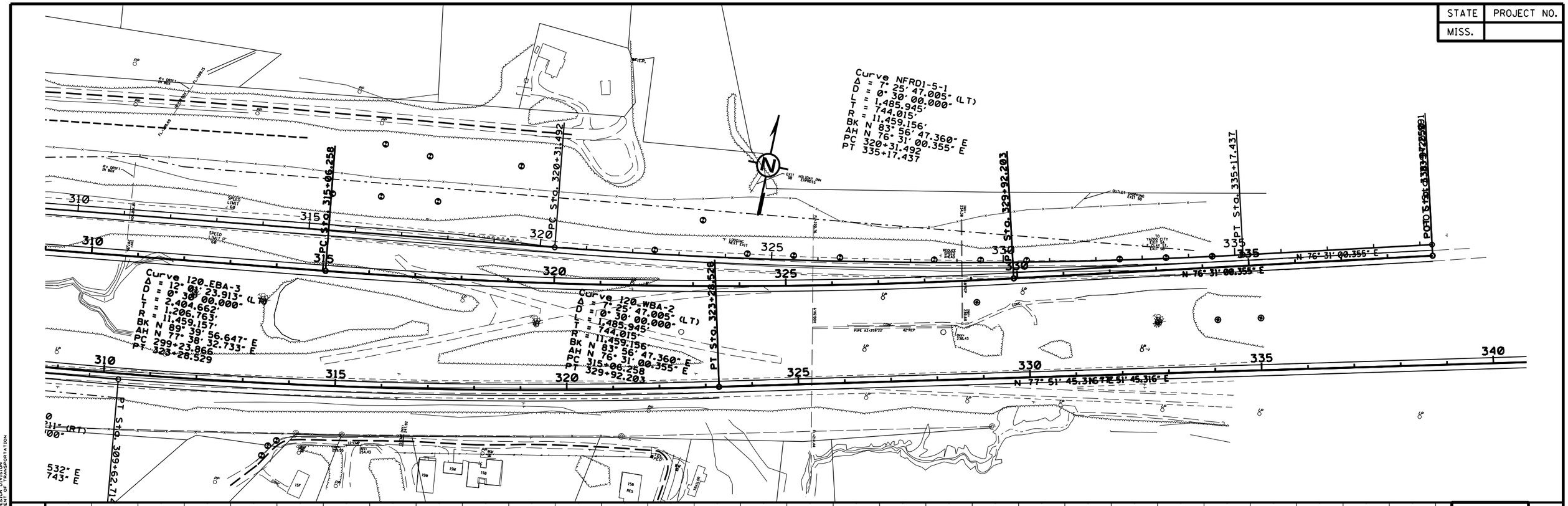
Wk. Sh.
8C-3.1
Sh. No.

PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

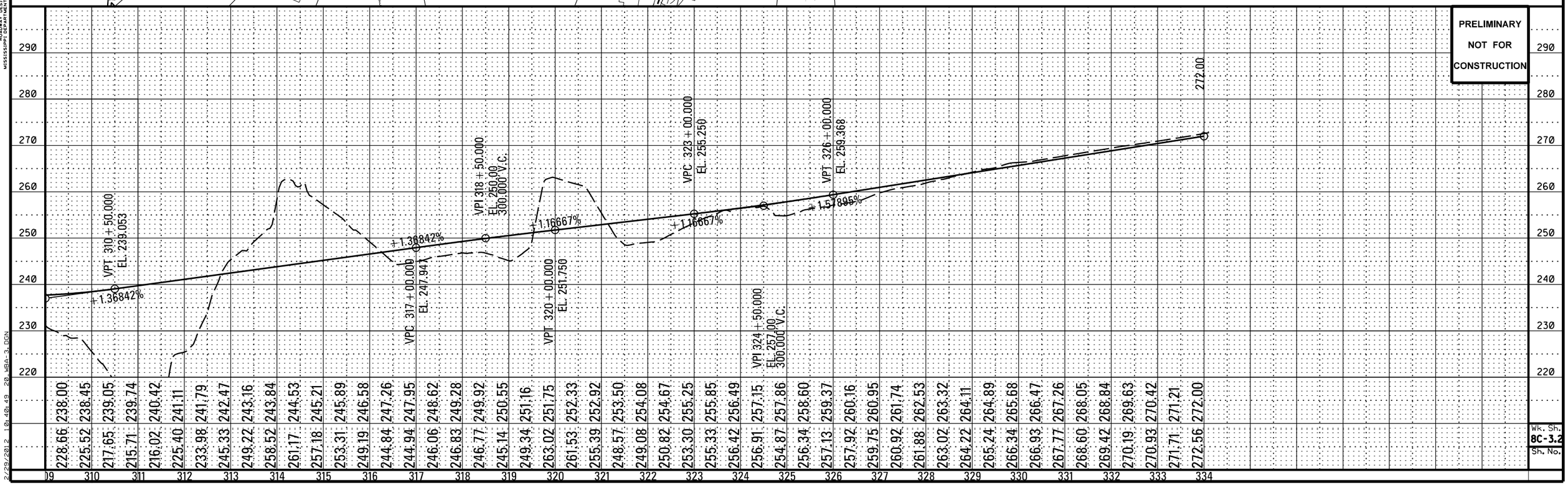
2/29/2012 10:40:23 20_WBA-2.DGN

DESIGN TEAM: FILENAME: 20_WBA-2.DGN COUNTY: PROJECT NO. 8 PHASE C SHEET ID:

STATE	PROJECT NO.
MISS.	



PRELIMINARY
NOT FOR
CONSTRUCTION

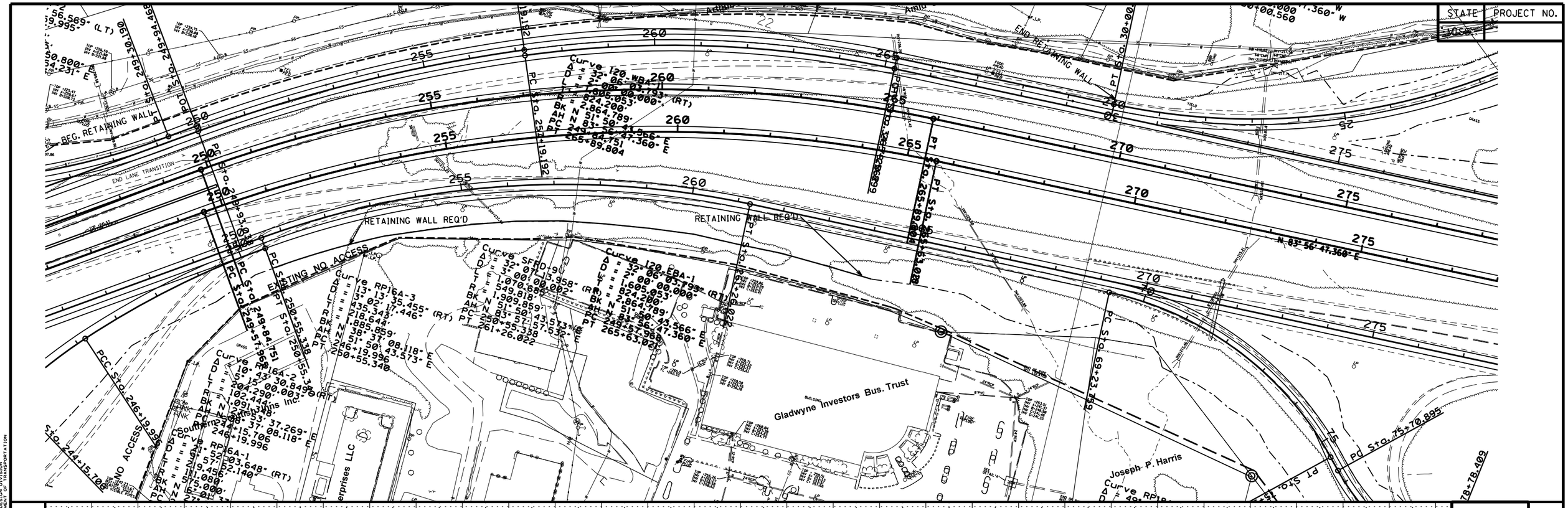


Wk. Sh.
8C-3.2
Sh. No.

PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

2/29/2012 10:40:49 20_WBA-3.DGN

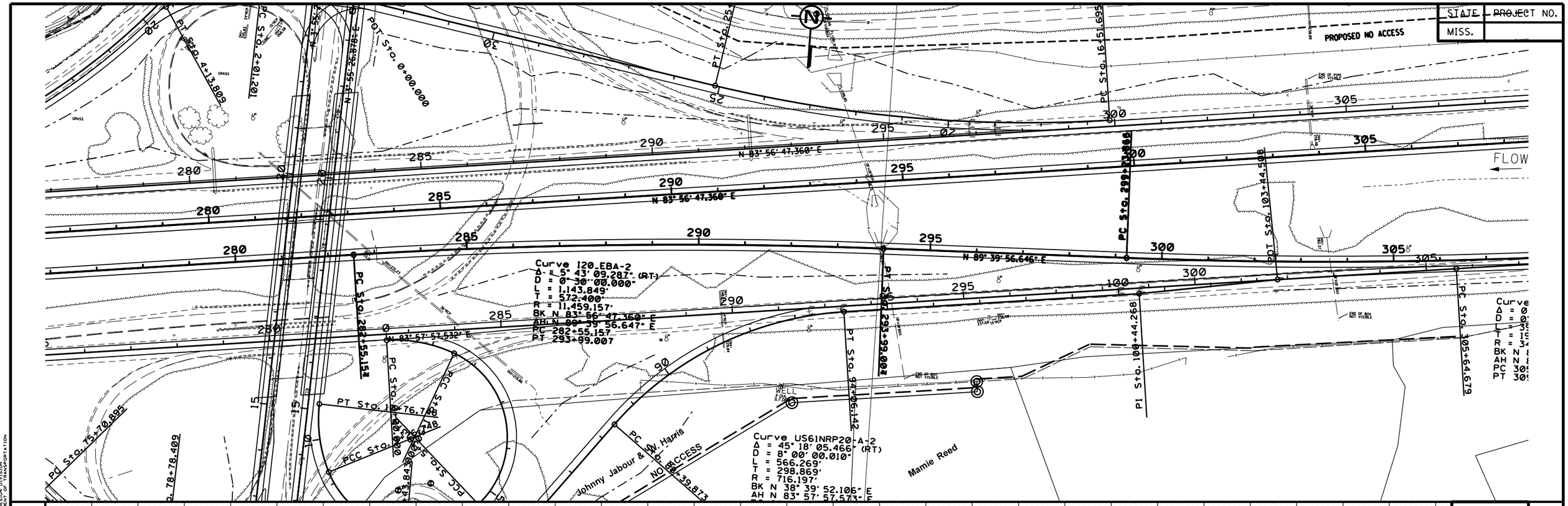
DESIGN TEAM: FILENAME: 20_WBA-3.DGN COUNTY: PROJECT NO. 8 PHASE C SHEET ID:

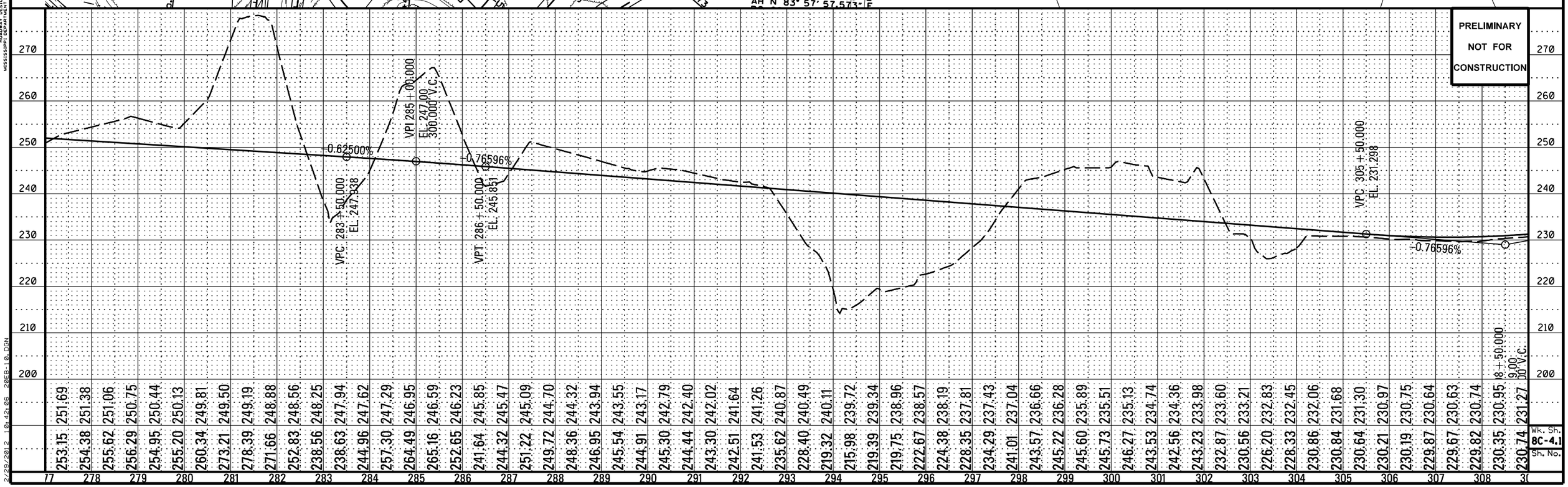


PLAN-PROFILE
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION

2/23/2012 10:41:38 20EB-9.DGN

STATE	PROJECT NO.
MISS.	



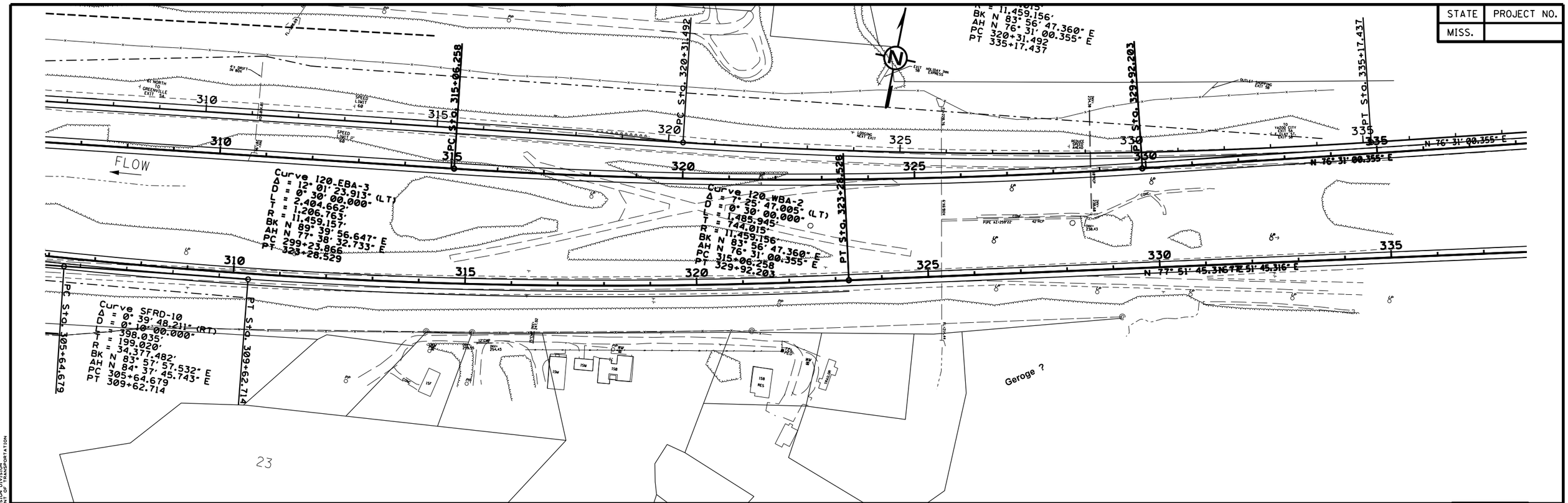


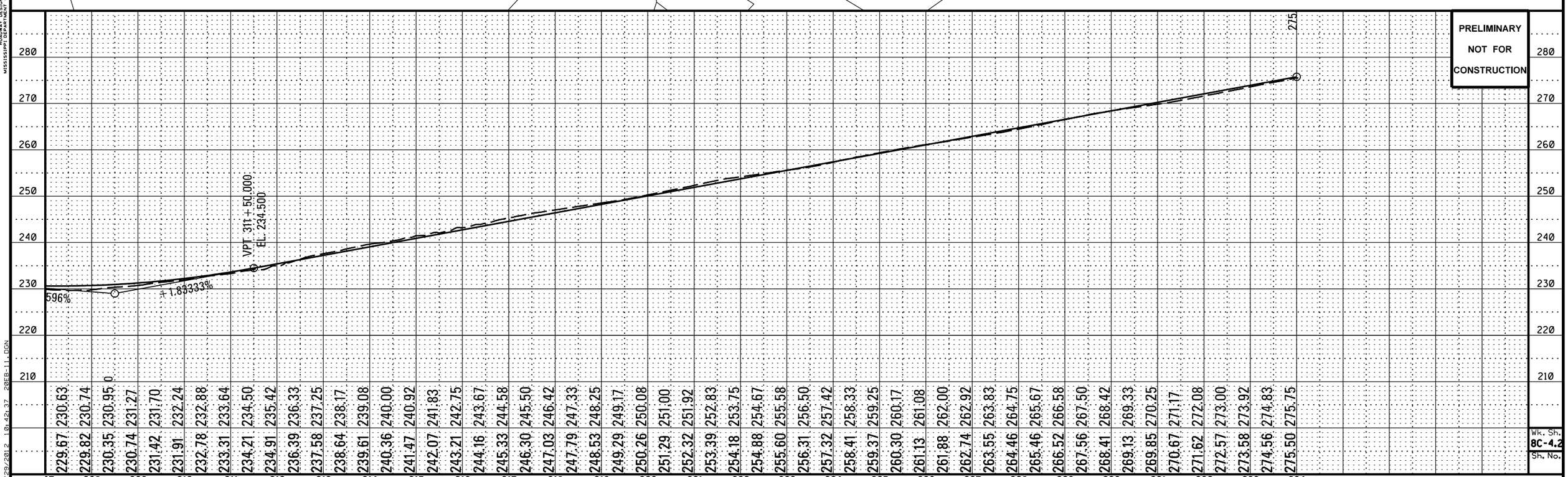
PLAN-PROFILE
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION

2/23/2012 10:42:06 20EB-10.DGN

DESIGN TEAM: FILENAME: 20EB-10.DGN COUNTY: PROJECT NO. : 8 PHASE C SHEET ID:

STATE	PROJECT NO.
MISS.	





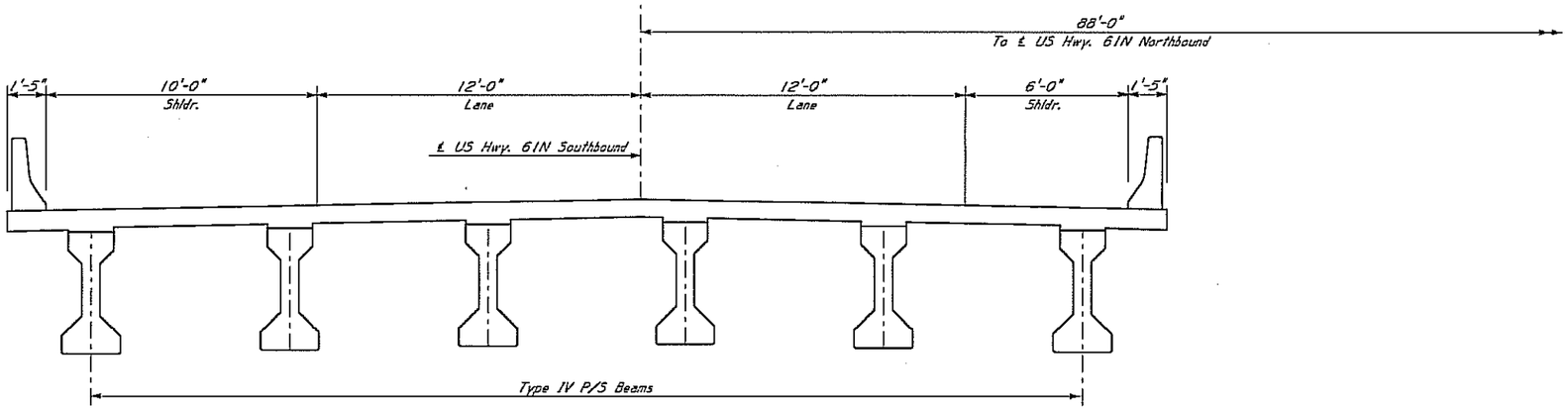
Wk. Sh.
8C-4.2
Sh. No.

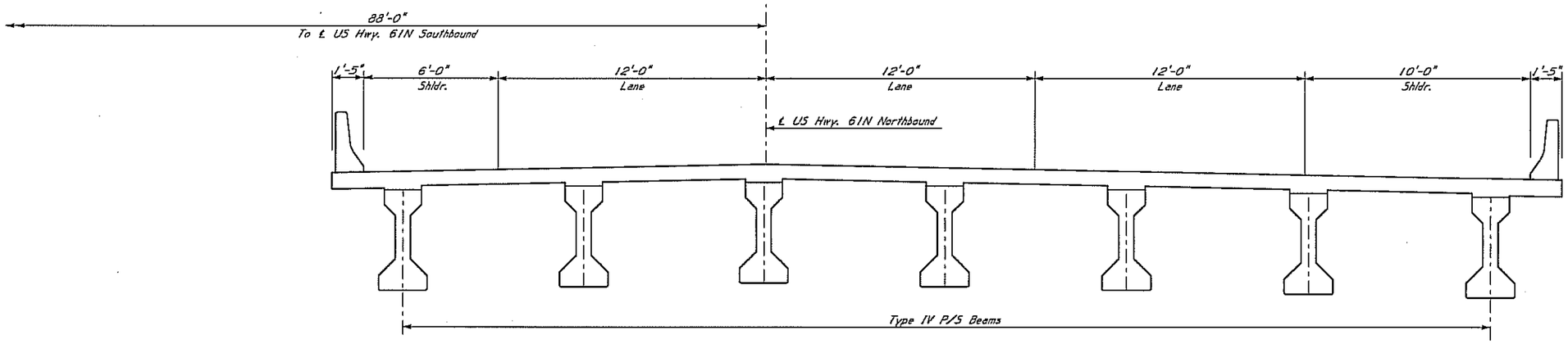
PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

2/29/2012 10:42:37 20EB-11.DGN

DESIGN TEAM: FILENAME: 20EB-11.DGN COUNTY: PROJECT NO. : 8 PHASE C SHEET ID:

STATE	PROJECT NO.
MISS.	





NEEL-SCHAFFER
Solutions you can build upon

PRELIMINARY
NOT FOR
CONSTRUCTION

DATE: _____

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
I-20 VICKSBURG

US HWY. 61N OVER
I-20 & FRONTAGE ROADS

DESIGNED _____ DETAILED _____ TRACED CADD
CHECKED _____ ISSUED _____ DATE _____

WORKING NUMBER
BTS 8-1

SHEET NUMBER

FILE: &FILE&
DATE: &DATE&
TIME: &TIME&
USER: &USER&

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 8 PHASE A)

County: WARREN

Lettingday: 06/30/2036

Scope of Work: TWO-LANE NEW LOCATION (Type 3 Access)

Rural/Urban: Rural Grading: Yes

Rolling/Flat: Rolling Paving: Yes

Length in Miles: 0.68

Grading Cost Per Mile: $530,000

Paving Cost Per Mile: $490,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.68	x	$530,000	x	115%	$414,460
Paving Cost:	0.68		$490,000	x	115%	$383,180
Bridge cost:	0	x	$0.00	x	115%	$0
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)		x		x	115%	$0
					Total Estimate:	**$797,640**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Anticipating a 3% inflation factor per year, the estimated construction cost is $1,800,000
(Includes Engineering and contingencies)

Remarks:

RAMP 20: Estimate length as twice actual to compensate for Interstate base and pavement, extra earthwork, and traffic control.

Prepared By: Aubrey Kopf — **Signature** Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 8 PHASE A_2-27-12

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 8 PHASE B1)

County: WARREN

Lettingday: 06/30/2036

Scope of Work: FOUR-LANE NEW LOCATION (Type 1 Access)

Rural/Urban: Rural Grading: Yes

Rolling/Flat: Rolling Paving: Yes

Length in Miles: 0.35

Grading Cost Per Mile: $1,910,000

Paving Cost Per Mile: $3,470,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.35	x	$1,910,000	x	115%	$768,775
Paving Cost:	0.35		$3,470,000	x	115%	$1,396,675
Bridge cost:	35,804	x	$75.00	x	115%	$3,088,095
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)		x		x	115%	$0
					Total Estimate:	**$5,253,545**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Anticipating a 3% inflation factor per year, the estimated construction cost is $11,500,000
(Includes Engineering and contingencies)

Remarks:

Adjusted road length to approximate for 1/2 of 4-Ln and for Loop and for portion of Ramp 21A

Prepared By: Aubrey Kopf — **Signature** Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 8 PHASE B1_2-27-12

Summary of Projected Bridge Cost

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 8 PHASE B1)
County: WARREN
Lettingday: 06/30/2036

	Area of Bridge*		Per SF		Cost	Remarks
Interchange Bridges	0	x	$77	=	$0	
Hydraulic Concrete Spans	0	x	$75	=	$0	
Grade Separations	0	x	$77	=	$0	
Steel Structures	0	x	$145	=	$0	
US61N NB	35,804	x	$75	=	$2,685,300	
		x	$125	=	$0	
		x	$75	=	$0	
		x	$125	=	$0	
Other Bridges	0	x	$100	=	$0	
	35,804	x	$75.00	=	$2,685,300	

* 2 feet 10 inches added to all bridge widths for bridge rail

Remarks:

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 8 PHASE B2)

County: WARREN

Lettingday: 06/30/2036

Scope of Work: FOUR-LANE NEW LOCATION (Type 1 Access)

Rural/Urban: Rural Grading: Yes

Rolling/Flat: Rolling Paving: Yes

Length in Miles: 0.11

Grading Cost Per Mile: $1,910,000

Paving Cost Per Mile: $3,470,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.11	x	$1,910,000	x	115%	$241,615
Paving Cost:	0.11		$3,470,000	x	115%	$438,955
Bridge cost:	0	x	$0.00	x	115%	$0
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)		x		x	115%	$0
					Total Estimate:	**$680,570**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Anticipating a 3% inflation factor per year, the estimated construction cost is $1,500,000
(Includes Engineering and contingencies)

Remarks:

Adjusted road length to approximate for 1/2 of 4-Ln (S.W. Ramp @US61N Interchange)

Prepared By: Aubrey Kopf — **Signature** Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 8 PHASE B2_2-27-12

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 8 PHASE B3)

County: WARREN

Lettingday: 06/30/2036

Scope of Work: TWO-LANE NEW LOCATION (Type 3 Access)

Rural/Urban: Rural Grading: Yes

Rolling/Flat: Rolling Paving: Yes

Length in Miles: 0.42

Grading Cost Per Mile: $530,000

Paving Cost Per Mile: $490,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.42	x	$530,000	x	115%	$255,990
Paving Cost:	0.42		$490,000	x	115%	$236,670
Bridge cost:	0	x	$0.00	x	115%	$0
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)		x		x	115%	$0
					Total Estimate:	**$492,660**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Anticipating a 3% inflation factor per year, the estimated construction cost is $1,100,000
(Includes Engineering and contingencies)

Remarks:

61N FR RD - 100+00 to 111+00 Increased mileage by 100% to compensate for intersection and crossover.

Prepared By: Aubrey Kopf — **Signature** Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 8 PHASE B3_2-27-12

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 8 PHASE B4)

County: WARREN

Lettingday: 06/30/2036

Scope of Work: FOUR-LANE NEW LOCATION (Type 2A/2B Access)

Rural/Urban: Rural Grading: Yes

Rolling/Flat: Rolling Paving: Yes

Length in Miles: 0.19

Grading Cost Per Mile: $1,920,000

Paving Cost Per Mile: $2,250,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.19	x	$1,920,000	x	115%	$419,520
Paving Cost:	0.19		$2,250,000	x	115%	$491,625
Bridge cost:	35,804	x	$75.00	x	115%	$3,088,095
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)	3.00	x	$300,000.00	x	115%	$1,035,000
					Total Estimate:	**$5,034,240**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Remove 3 bridges [Existing ramp I-20 EB to US61N NB][Existing US61N over I-20 WB and over I-20 EB]

Anticipating a 3% inflation factor per year, the estimated construction cost is $11,100,000
(Includes Engineering and contingencies)

Remarks:

Adjusted road length to approximate for 1/2 of 4-Ln [New US61N SB bridge approaches & completion of NE Ramp]

Prepared By: Aubrey Kopf — **Signature** Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 8 PHASE B4_2-27-12

Summary of Projected Bridge Cost

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 8 PHASE B4)
County: WARREN
Lettingday: 06/30/2036

	Area of Bridge*		Per SF		Cost	Remarks
Interchange Bridges	0	x	$77	=	$0	
Hydraulic Concrete Spans	0	x	$75	=	$0	
Grade Separations	0	x	$77	=	$0	
Steel Structures	0	x	$145	=	$0	
US61N SB	35,804	x	$75	=	$2,685,300	
		x	$125	=	$0	
		x	$75	=	$0	
		x	$125	=	$0	
Other Bridges	0	x	$100	=	$0	
	35,804	x	$75.00	=	$2,685,300	

* 2 feet 10 inches added to all bridge widths for bridge rail

Remarks:

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 8 PHASE C1 & C1.1)

County: WARREN

Lettingday: 06/30/2036

Scope of Work: FOUR-LANE NEW LOCATION (Type 1 Access)

Rural/Urban: Rural Grading: Yes

Rolling/Flat: Rolling Paving: Yes

Length in Miles: 0.49

Grading Cost Per Mile: $1,910,000

Paving Cost Per Mile: $3,470,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.49	x	$1,910,000	x	115%	$1,076,285
Paving Cost:	0.49		$3,470,000	x	115%	$1,955,345
Bridge cost:	0	x	$0.00	x	115%	$0
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)	1.00	x	$1,331,000.00	x	115%	$1,530,650
					Total Estimate:	**$4,562,280**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Retaining Wall - 7+00 to 13+00 @ Est. $100.00 / sf = $1,331,000

Anticipating a 3% inflation factor per year, the estimated construction cost is $10,000,000
(Includes Engineering and contingencies)

Remarks:

Adjusted road length to approximate for 1/2 of 4-Ln with extensive and extended traffic control for construction of the wall.

Prepared By: Aubrey Kopf — **Signature** Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 8 PHASE C1_2-27-12

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 8 PHASE C2)

County: WARREN

Lettingday: 06/30/2036

Scope of Work: ADD 2 LANES TO EXISTING 4 LANE (OVERLAY OLD LANES)

Rural/Urban: Rural Grading: Yes

Rolling/Flat: Rolling Paving: Yes

Length in Miles: 0.50

Grading Cost Per Mile: $620,000

Paving Cost Per Mile: $2,200,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.50	x	$620,000	x	115%	$356,500
Paving Cost:	0.50		$2,200,000	x	115%	$1,265,000
Bridge cost:	0	x	$0.00	x	115%	$0
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)		x		x	115%	$0
					Total Estimate:	**$1,621,500**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Anticipating a 3% inflation factor per year, the estimated construction cost is $3,600,000
(Includes Engineering and contingencies)

Remarks:

Adjust estimated length for 1/2 of "Adding 2 LANES TO EXISTING 4 LANE (OVERLAY OLD LANES)"

Prepared By: Aubrey Kopf — **Signature** Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 8 PHASE C2_2-27-12

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 8 PHASE C3) (250+00 TO 335+00)

County: WARREN

Lettingday: 06/30/2036

Scope of Work: FOUR-LANE NEW LOCATION (Type 1 Access)

Rural/Urban: Rural Grading: Yes

Rolling/Flat: Rolling Paving: Yes

Length in Miles: 0.80

Grading Cost Per Mile: $1,910,000

Paving Cost Per Mile: $3,470,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.80	x	$1,910,000	x	115%	$1,757,200
Paving Cost:	0.80		$3,470,000	x	115%	$3,192,400
Bridge cost:	0	x	$0.00	x	115%	$0
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)		x		x	115%	$0
					Total Estimate:	**$4,949,600**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Anticipating a 3% inflation factor per year, the estimated construction cost is $10,900,000
(Includes Engineering and contingencies)

Remarks:

Adjust estimated length for 1/2 of 4-Ln Interstate roadway.

Prepared By: Aubrey Kopf — **Signature** Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 8 PHASE C3_2-27-12

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 8 PHASE C4)

County: WARREN

Lettingday: 06/30/2036

Scope of Work: FOUR-LANE NEW LOCATION (Type 1 Access)

Rural/Urban: Rural Grading: Yes

Rolling/Flat: Rolling Paving: Yes

Length in Miles: 0.63

Grading Cost Per Mile: $1,910,000

Paving Cost Per Mile: $3,470,000 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.63	x	$1,910,000	x	115%	$1,383,795
Paving Cost:	0.63		$3,470,000	x	115%	$2,514,015
Bridge cost:	0	x	$0.00	x	115%	$0
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)		x		x	115%	$0
					Total Estimate:	**$3,897,810**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

Anticipating a 3% inflation factor per year, the estimated construction cost is $8,600,000
(Includes Engineering and contingencies)

Remarks:

Adjust estimated length for 1/2 of 4-Ln Interstate roadway

Prepared By: Aubrey Kopf — **Signature** Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 8 PHASE C4_2-27-12

Construction Cost Estimate

Revised 2008 Form (Revised: 05/14/2008)
(Based on data from 03/20/2008 update)

Date: 07/01/2009

Check one:
- [x] Preliminary
- [ ] After Draft Environmental Document
- [ ] Prior to Field Review

Project Numbers:

	FMS	External
PE:	x	x
ROW:	x	x
Construction:	x	x

Route/Termini: I-20 @ Vicksburg (PROJECT 8 MISC.)

County: WARREN

Lettingday: 06/30/2036

Scope of Work:

Rural/Urban: Rural

Rolling/Flat:

Grading:

Paving:

Length in Miles: 0.00

Grading Cost Per Mile: $0

Paving Cost Per Mile: $0 **(From 2009 cost data from Planning Division)**

Interchanges affected? 0 (If greater than 0, fill in data on Interchange Sheet)

Construction Cost Estimate:

Grading Cost:	0.00	x	$0	x	115%	$0
Paving Cost:	0.00		$0	x	115%	$0
Bridge cost:	0	x	$0.00	x	115%	$0
Double Cell Box Culvert/Bridge Cost:	0		$0	x	115%	$0
Interchange Cost:			$0	x	115%	$0
Interchange Lighting Cost:			$0	x	115%	$0
Additional Cost Per Mile: (See note #1 below)		x		x	115%	$0
Additional Cost: (See note #2 below)	1.00	x	$1,543,144.00	x	115%	$1,774,616
					Total Estimate:	**$1,774,616**

Note #1 - Reasons for additional cost per mile:

Note #2 - Reasons for additional cost:

.Lighting -0.5($380,000)+$380,000=$570,000 : Signals -(3)@$150,000 = $450,000: Signing- (2%) of $26,157,206=$523,144: Total Misc.=$1,543,144

Anticipating a 3% inflation factor per year, the estimated construction cost is $3,900,000
(Includes Engineering and contingencies)

Remarks:

Prepared By: Aubrey Kopf — **Signature**

Senior Certified Engineering Technician — **Title**

T:\HWY\AK\I20 VICKS-ACCT 6562\EACOSTESTIMATE\I-20 ALT B & C PROJECT 8 MISC