

SPECIAL DESIGN SHEETS - BRIDGE DRAWINGS

KICKAPOO ROAD OVER BOGLE CHITTO CREEK

KICKAPOO ROAD OVER BOGLE CHITTO CREEK (GENERAL NOTES)
KICKAPOO ROAD OVER BOGLE CHITTO CREEK (ELEVATION & FOUNDATION PLAN)
GENERALIZED SOIL PROFILE
19' & 31' PRECAST CONCRETE SPANS
PRECAST CONCRETE CAPS
STEEL PILE ENCASMENT AND STRUT DETAILS
BEARING PAD & PLACEMENT DETAILS

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17 OF 7	472

BRIDGE DIVISION		
DATE	SHEET NO.	BY

CLINTON-TINWIN ROAD OVER STRAIGHT FENCE CREEK

CLINTON-TINWIN ROAD OVER STRAIGHT FENCE CREEK (GENERAL NOTES)
CLINTON-TINWIN ROAD OVER STRAIGHT FENCE CREEK (ELEVATION & FOUNDATION PLAN)
GENERALIZED SOIL PROFILE
19' & 31' PRECAST CONCRETE SPANS
PRECAST CONCRETE CAPS
STEEL PILE ENCASMENT AND STRUT DETAILS
BEARING PAD & PLACEMENT DETAILS

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MAGNOLIA ROAD OVER BRANCH BOGLE CHITTO CREEK

MAGNOLIA ROAD OVER BRANCH BOGLE CHITTO CREEK (GENERAL NOTES)
MAGNOLIA ROAD OVER BRANCH BOGLE CHITTO CREEK (ELEVATION & FOUNDATION PLAN)
GENERALIZED SOIL PROFILE
19' & 31' PRECAST CONCRETE SPANS
PRECAST CONCRETE CAPS
STEEL PILE ENCASMENT AND STRUT DETAILS
BEARING PAD & PLACEMENT DETAILS

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MARVEN ROAD OVER SMITH CREEK

MARVEN ROAD OVER SMITH CREEK (GENERAL NOTES)
MARVEN ROAD OVER SMITH CREEK (ELEVATION & FOUNDATION PLAN)
GENERALIZED SOIL PROFILE
19' & 31' PRECAST CONCRETE SPANS
PRECAST CONCRETE CAPS
STEEL PILE ENCASMENT AND STRUT DETAILS
BEARING PAD & PLACEMENT DETAILS

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**CITY OF CLINTON
DETAILED INDEX
(BRIDGE)**

DATE	REVISION	BY

PROJECT NO. STP-0025-001033
COUNTY : HINDS
FILENAME: DI-BRIDGE-1
DESIGN TEAM: URS CORP
CHECKED: DATE: WORKING NUMBER: BI-1
SHEET NUMBER: 4

SUMMARY OF QUANTITIES (BRIDGE ITEMS)

PAY ITEM NO.	PAY ITEM	UNIT	PRELIMINARY	FINAL
803-A	TEST PILE	EA	1	
803-B	CONVENTIONAL STATIC PILE LOAD TEST	EA	1	
803-E	HP 14x73 STEEL PILING	L.F.	3695	
803-F	18" DIA. PERFORMED PILE HOLE	L.F.	1444	
803-I	PDA TEST PILE	EA	3	
804-A	BRIDGE CONCRETE CLASS B	C.Y.	37	
805-B	REINFORCEMENT	LB.	678	
5-806-A	19' PRECAST CONCRETE SLAB UNIT, 3.5' INTERIOR	EA	8	
5-806-A	31' PRECAST CONCRETE SLAB UNIT, 3.5' INTERIOR	EA	12	
5-806-A	19' PRECAST CONCRETE SLAB UNIT, 4.5' INTERIOR	EA	16	
5-806-A	31' PRECAST CONCRETE SLAB UNIT, 4.5' INTERIOR	EA	24	
5-806-C	19' PRECAST CONCRETE SLAB UNIT, 3.5' EXTERIOR	EA	8	
5-806-C	31' PRECAST CONCRETE SLAB UNIT, 3.5' EXTERIOR	EA	12	
5-806-D	19' PRECAST CONCRETE SLAB UNIT, 3.5' INTERIOR, 30 DEGREE SKEW, RT FWD	EA	4	
5-806-D	31' PRECAST CONCRETE SLAB UNIT, 3.5' INTERIOR, 30 DEGREE SKEW, RT FWD	EA	2	
5-806-D	19' PRECAST CONCRETE SLAB UNIT, 4.5' INTERIOR, 30 DEGREE SKEW, RT FWD	EA	8	
5-806-D	31' PRECAST CONCRETE SLAB UNIT, 4.5' INTERIOR, 30 DEGREE SKEW, RT FWD	EA	4	
5-806-F	19' PRECAST CONCRETE SLAB UNIT, 3.5' EXTERIOR, 30 DEGREE SKEW, RT FWD	EA	4	
5-806-F	31' PRECAST CONCRETE SLAB UNIT, 3.5' EXTERIOR, 30 DEGREE SKEW, RT FWD	EA	2	
5-806-G	PRECAST CONCRETE BARRIER RAIL	L.F.	662	
5-806-I	35' PRECAST CONCRETE CAP, INTERMEDIATE UNIT, STEEL PILE	EA	7	
5-806-J	35' PRECAST CONCRETE CAP, END UNIT, STEEL PILE	EA	6	
5-806-K	40' PRECAST CONCRETE CAP, INTERMEDIATE UNIT, STEEL PILE, 30 DEGREE SKEW, RT FWD	EA	2	
5-806-L	40' PRECAST CONCRETE CAP, END UNIT, STEEL PILE, 30 DEGREE SKEW, RT FWD	EA	2	
5-806-M	PRECAST CONCRETE WINGWALL	EA	16	
810-A	STRUCTURAL STEEL	LB.	11070	
813-A	LOOSE RIPRAP	TON	1545	
815-E	GEOTEXTILE FABRIC UNDER RIPRAP	S.Y.	1536	

SUMMARY OF QUANTITIES
(BRIDGE ITEMS)

CITY OF CLINTON

BY	REVISION	DATE

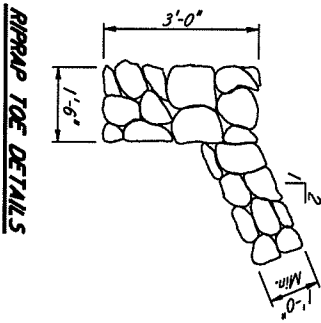
PROJECT NO. STP-0025-00033
COUNTY : HINDS
FILENAME: SQ-2.DGN
DESIGN TEAM URS CORP CHECKED DATE

WORKING NUMBER
SQ-2
SHEET NUMBER
10

ESTIMATED QUANTITIES											
Item	Qty	Unit	Estimate	Unit	Estimate	Unit	Estimate	Unit	Estimate	Unit	Estimate
HP 14.73 Steel Piling	1097	L.F.	184	L.F.	112	184	L.F.	112	184	L.F.	112
18" Dia. Prefabricated Pile Hole	296	L.F.	205	L.F.	205	205	L.F.	205	205	L.F.	205
Bridge Concrete Class B	12	C.Y.	16	C.Y.	16	16	C.Y.	16	16	C.Y.	16
Reinforcement	217	LB	3617	LB	3617	3617	LB	3617	3617	LB	3617
3' Precast Concrete Slab Interior	8	Each	8	Each	8	8	Each	8	8	Each	8
3' Precast Concrete Slab Interior	16	Each	16	Each	16	16	Each	16	16	Each	16
3' Precast Concrete Slab Exterior	8	Each	8	Each	8	8	Each	8	8	Each	8
Precast Concrete Barrier Rail	248	L.F.	248	L.F.	248	248	L.F.	248	248	L.F.	248
35' Precast Concrete Cap Intermediate Unit	3	Each	3	Each	3	3	Each	3	3	Each	3
35' Precast Concrete Cap End Unit	2	Each	2	Each	2	2	Each	2	2	Each	2
Precast Concrete Wingwall	4	Each	4	Each	4	4	Each	4	4	Each	4
Structural Steel	3617	LB	3617	LB	3617	3617	LB	3617	3617	LB	3617
Loose Riprap	365	Ton	365	Ton	365	365	Ton	365	365	Ton	365
Geotextile Fabric Under Riprap	354	S.Y.	354	S.Y.	354	354	S.Y.	354	354	S.Y.	354

REQUIRED ULTIMATE PILE BEARING CAPACITY AND TIP ELEVATION SCHEDULE					
Bent No.	Req'd Ultimate Bearing (Tons)	Pile	Estimated Length	Predicted Pile Hole Elevation	Tip Elevation
1	120	HP 14.73	41.5	205	187
2	153	HP 14.73	63.7	205	165
3	153	HP 14.73	63.7	205	165
4	153	HP 14.73	63.7	205	165
5	120	HP 14.73	41.5	205	187

TEST PILE SCHEDULE		
Bent No.	Min. Length (feet)	Tip Elevation
2	64	155



RRRAP TOE DETAILS

SPECIAL PROVISIONS REQUIRED:

Concrete Bridges and Structures No. 907-804
Precast Concrete Bridge Caps, Spans and Wings No. 907-806-1

DRAINAGE DATA:

Drainage Area 20.55 sq. mi.
Total Q25 (U.S.G.S.) 5778 cfs (Estimated Value)
Effective Area 993 sq. ft.

DESIGN DATA:

Specifications A.A.S.H.T.O., LRFD
4th Edition, 2007
Design Loading HL-93
Roadway Width 32'-0" Gutter To Gutter
Concrete $f_c = 60,000$ psi

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION
OFFICE OF STATE AID ROAD CONSTRUCTION
LRFD STANDARD DRAWINGS REQUIRED:**

- PC-5 19'x3.5' Precast Concrete Slab Unit For Use With Barrier Rail
- PC-6 31'x3.5' Precast Concrete Slab Unit For Use With Barrier Rail
- PC-7 19'x4.5' Precast Concrete Slab Unit For Use With 24' & 30' Roadways
- PC-8 31'x4.5' Precast Concrete Slab Unit For Use With 24' & 30' Roadways
- PC-17 Precast Abutment Wingwall For Use With 19' ft. & 31' ft. Precast Concrete Spans
- PC-18 19'-0" Solid Type Barrier Rail
- PC-19 31'-0" Solid Type Barrier Rail

GENERAL NOTES:

Specifications: Mississippi Standard Specifications For State Aid Road And Bridge Construction, 2004 Edition. Or Plans Will Be Permitted Except By Written Approval Of The Bridge Engineer. Minor Changes In Detail Or Design Or Construction Procedure May Be Authorized By The Bridge Engineer Provided Such Changes Will Not Be Cause For Contract Price Adjustment.
No Payment Will Be Allowed For Excavation Incidental To The Construction Of End Bents.
Bar Bending Details Shall Be In Accordance With Manual Of Standard Practice For Detailing Reinforced Concrete Structures (ACI 315R-94).
Shop Drawings Of Precast Concrete Slab Spans Including An Erection Plan Shall Be Submitted In Duplicate To The Bridge Engineer For Approval Prior To The Manufacture Of Precast Span Units.
Concrete Surfaces Shall Receive A Class 2 Rubbed Or Spray Finish In Accordance With The Specifications.
Reinforcing Steel Shall Be ASTM A615, Grade 60, Unless Otherwise Noted.
Work For Which No Pay Item Is Provided In The Proposal Will Not Be Paid For Directly And Compensation Therefor Will Be Included In The Prices And Payments For Bid Items.

PILE NOTES:

Test Piles Shall Be Driven As Permanent Piles At The Location Shown In The TEST PILE SCHEDULE AND WILL BE PAID FOR AS TEST PILES ONLY.
The Bridge Engineer May Authorize Test Piles Driven Outside The Structure Limits.
Test Piles Shall Be Driven As A Continuous Operation To The Bearing Capacity And The Minimum Ground Penetration Shown In The TEST PILE SCHEDULE, Unless Otherwise Directed By The Bridge Engineer.
Permanent Piles Shall Be Driven To An Elevation No Higher Than The Elevation Shown In The REQUIRED ULTIMATE PILE BEARING AND TIP ELEVATION SCHEDULE.
The Tip Elevation Of Piling, For Hydraulic Structures, May Be Determined By Scour Line.
When Feasible, Bearing Piles Shall Be Driven Full Length And Shall Be Spliced, Only, As Approved By The Bridge Engineer.
When Loading Tests Are Required, The Maximum Test Load Shall Be One And A Half (1 1/2) Times The Required Ultimate Pile Bearing Capacity.
All Piles Shall Be HP 14.73.
When Required, PDA Test Piles Shall Require A One Day And Seven Day Restrike Unless Otherwise Directed By The State Engineer.
Pile Lengths And Driving Criteria Shall Be Provided Based On The Results Of The PDA Test Piles.
The Required Ultimate Pile Bearing Shown In The REQUIRED ULTIMATE PILE BEARING AND TIP ELEVATION SCHEDULE Includes The LRFD Resistance Factor For PDA OF 0.65.
Piles Shall Be Driven In An 18" Dia. Performed Pile Hole Drilled To The Elevation Shown In The REQUIRED ULTIMATE PILE BEARING CAPACITY AND TIP ELEVATION SCHEDULE. Performed Pile Hole Elevation May Be Adjusted As Directed By The Bridge Engineer.

DATE	BY	REVISION

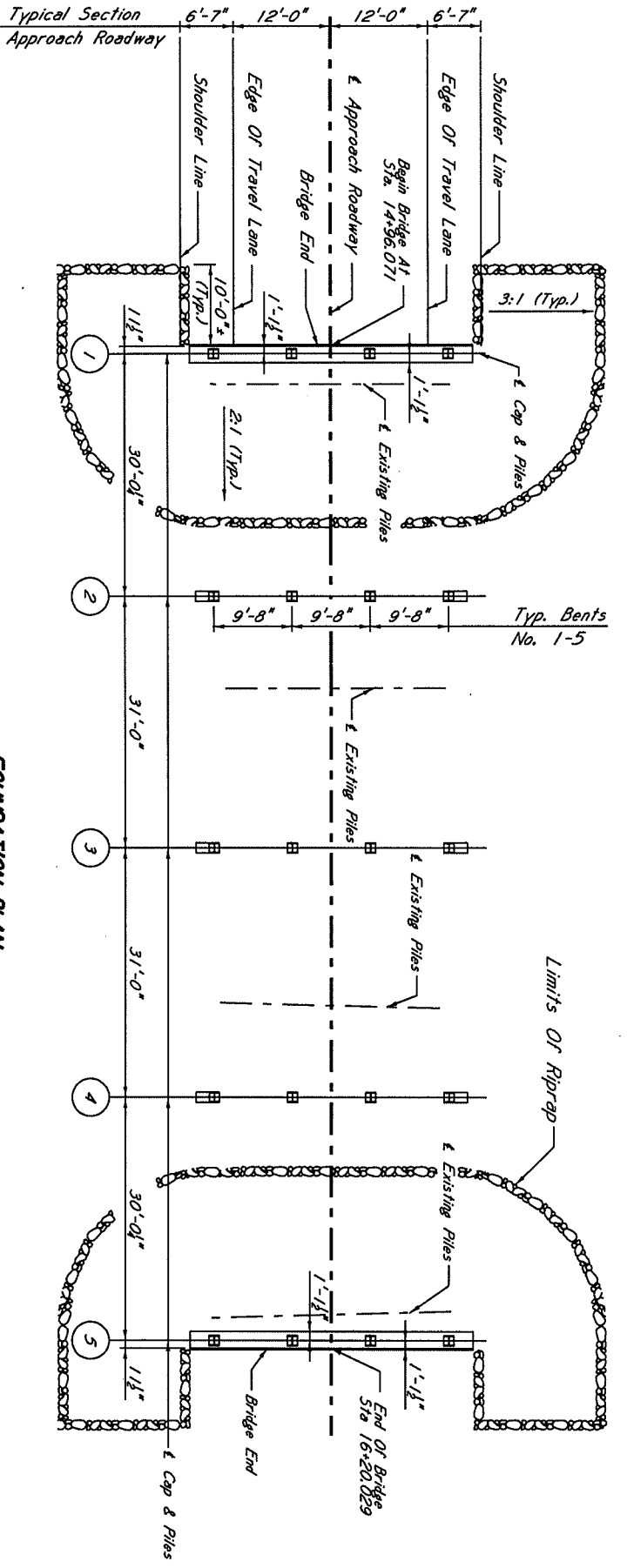
CITY OF CLINTON
KICKAPOO
(GENERAL NOTES)

PROJECT NO. STP-0025-00(033)
COUNTY: HINDS

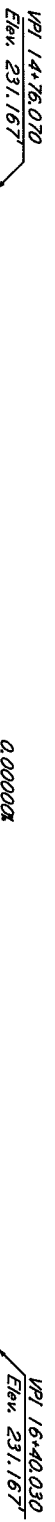
WORKING NUMBER
A1 OF 7
SHEET NUMBER
466

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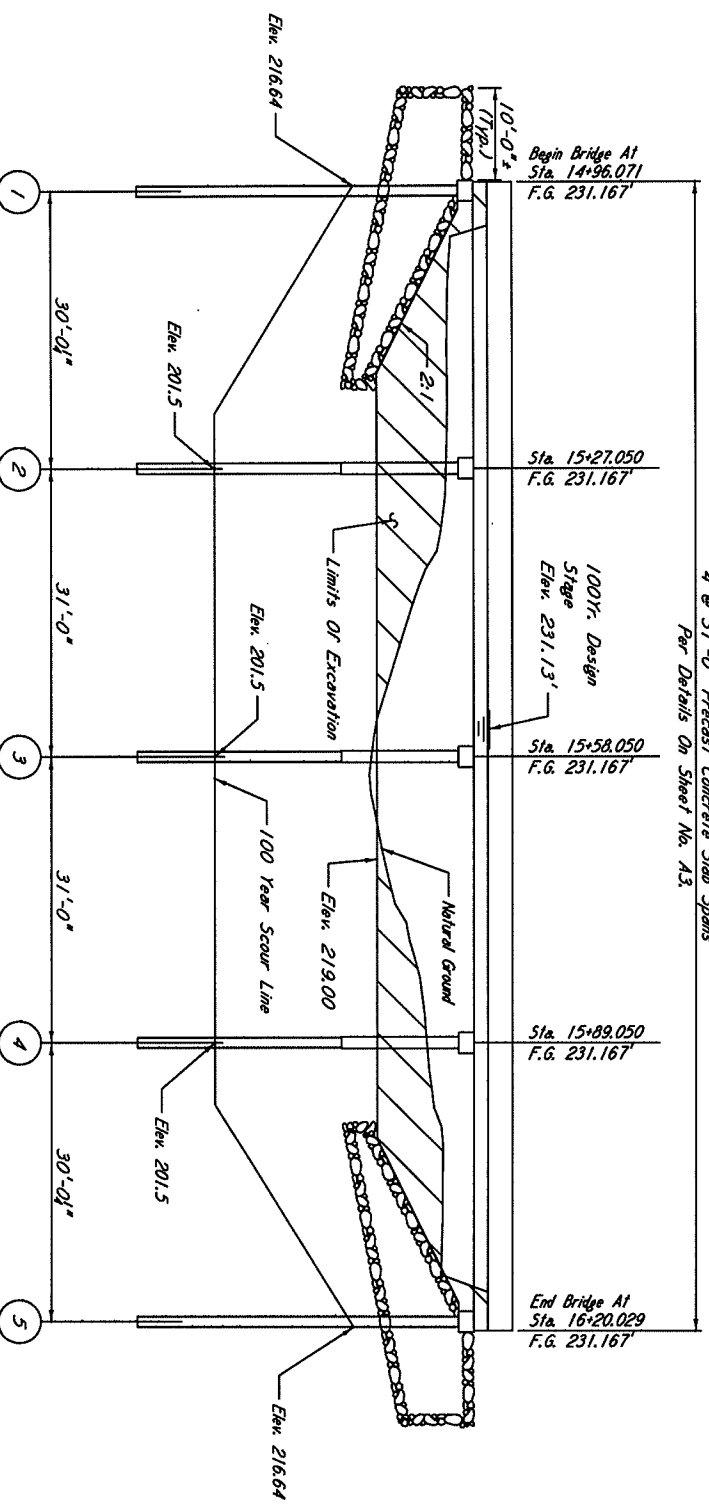
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FOUNDATION PLAN
Scale: 1"=10'



VERTICAL PROFILE
Scale: 1"=10'



ELEVATION WITH PROFILE ALONG & APPROACH ROADWAY
Scale: 1"=10'

500 Year Scour Elevations	
Bent No.	Elevation
1	214.74
2	208.70
3	208.70
4	208.70
5	214.74

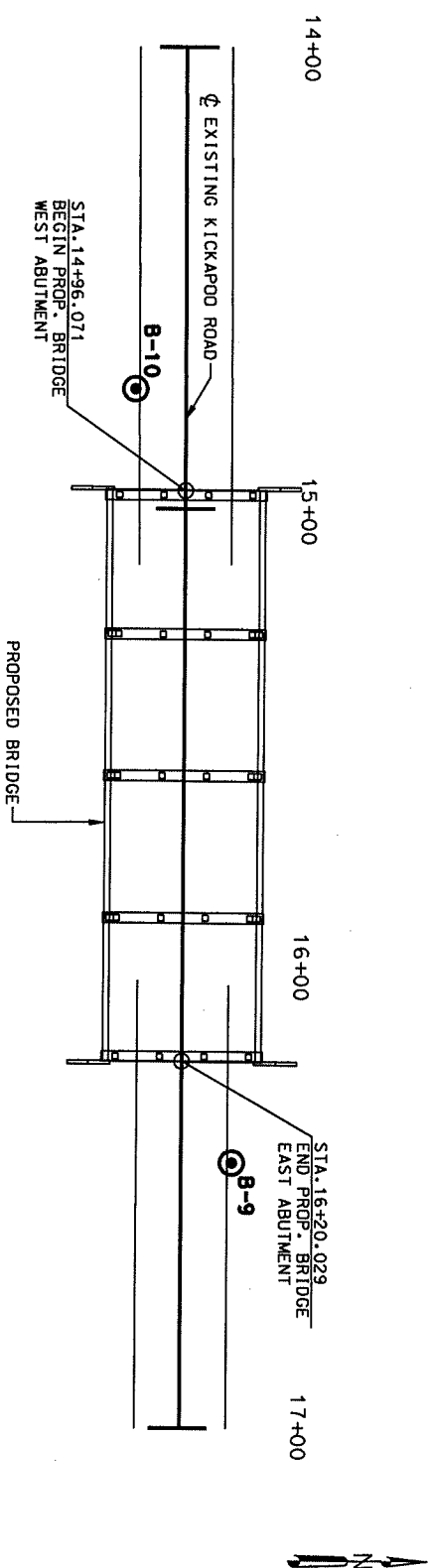
DATE	REVISION	BY

CITY OF CLINTON

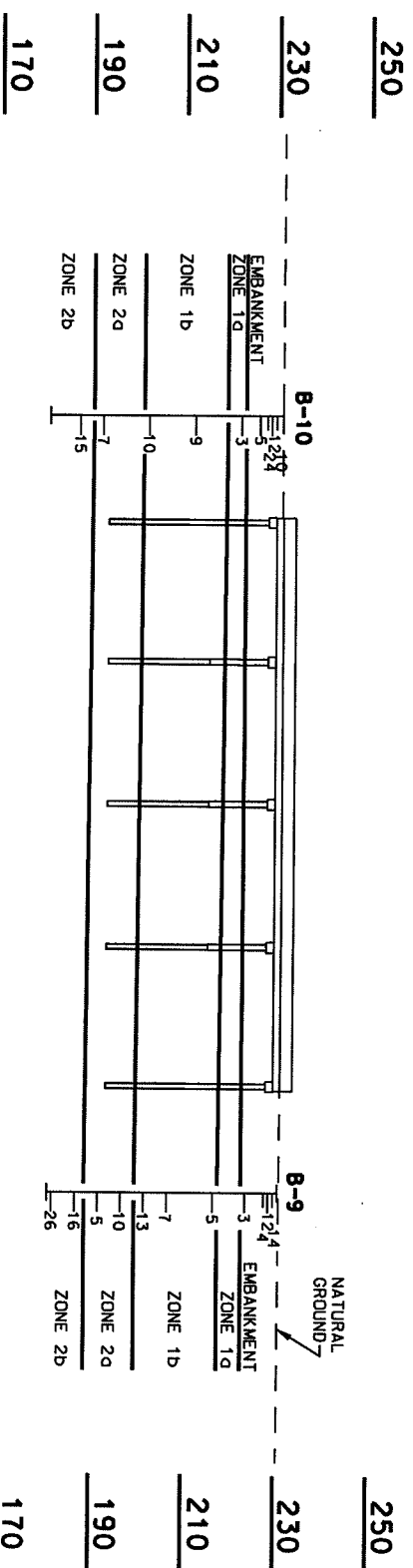
KICKAPOO
(ELEVATION &
FOUNDATION PLAN)

PROJECT NO. STP-0025-001(033)
COUNTY : HINDS
FILENAME:
DESIGN TEAM: JMS CORP CHECKED: DATE:
WORKING NUMBER
A2 OF 7
SHEET NUMBER
467

CITY PROJECT NO.
CLINTON STP-0025-001(033)



PLAN



PROFILE

- NOTICE TO CONTRACTOR:**
1. THE GENERALIZED SOIL PROFILE SHOWN WITH ITS VARIOUS SOIL ZONE DESCRIPTIONS AND INDICATED BOUNDARIES IS BASED UPON AN ENGINEERING AND GEOLOGICAL INTERPRETATION OF ALL AVAILABLE GEOTECHNICAL INFORMATION BY THOMPSON ENGINEERING AND MAY NOT NECESSARILY REFLECT THE ACTUAL VARIATION IN SUBSURFACE CONDITIONS BETWEEN BORINGS AND SAMPLES. DETAILED DATA AND FIELD INTERPRETATION OF CONDITIONS ENCOUNTERED IN INDIVIDUAL BORINGS ARE SHOWN ON THE BORING LOGS. THE GEOTECHNICAL REPORT IS AVAILABLE FOR INSPECTION THROUGH THE GEOTECHNICAL BRANCH, MDT.
 2. SOUND ENGINEERING JUDGEMENT WAS EXERCISED IN PREPARING THE SUBSURFACE INFORMATION PRESENTED ON THIS SHEET. THIS INFORMATION WAS PREPARED AND IS INTENDED FOR MDT DESIGN AND ESTIMATE PURPOSES. ITS PRESENTATION ON THE PLANS OR ELSEWHERE IS FOR THE PURPOSE OF PROVIDING INFORMED USERS WITH ACCESS TO THE SAME INFORMATION AVAILABLE TO THE MDT. THIS SUBSURFACE INFORMATION INTERPRETATION IS PRESENTED IN GOOD FAITH AND IS NOT INTENDED AS A SUBSTITUTE FOR PERSONAL INVESTIGATION, INDEPENDENT INTERPRETATIONS OR JUDGEMENT BY OTHERS.
 3. ALL STRUCTURAL AND GRADING DETAILS SHOWN ON THIS SHEET ARE FOR ILLUSTRATIVE PURPOSES ONLY AND MAY NOT BE INDICATIVE OF THE FINAL DESIGN CONDITIONS SHOWN ELSEWHERE IN THE CONTRACT PLANS.

SOIL STRENGTHS			
ZONE	C(Ds)f	ϕ	χ (pcf)
EMBANKMENT	700	0	123
1a	400*	0	126
1b	1350	0	132
2a	1600*	0	110
2b	4000*	0	110*

* ASSIGNED

- ZONE 1 - ALLUVIUM (RQ)**
- 1a- Soft to Firm Gray to Dark Gray Sandy Silt and Silty Clay
 - 1b- Stiff Grayish Brown and Yellowish Brown Clay and Silty Clay
- ZONE 2 - YAZOO FORMATION (EJ)**
- 2a- Stiff to Very Stiff Yellow and Gray Siltken-sided Clay
 - 2b- Hard Greenish Gray to Blue Fossiliferous Clay

DATE	REVISION	BY

CITY OF CLINTON

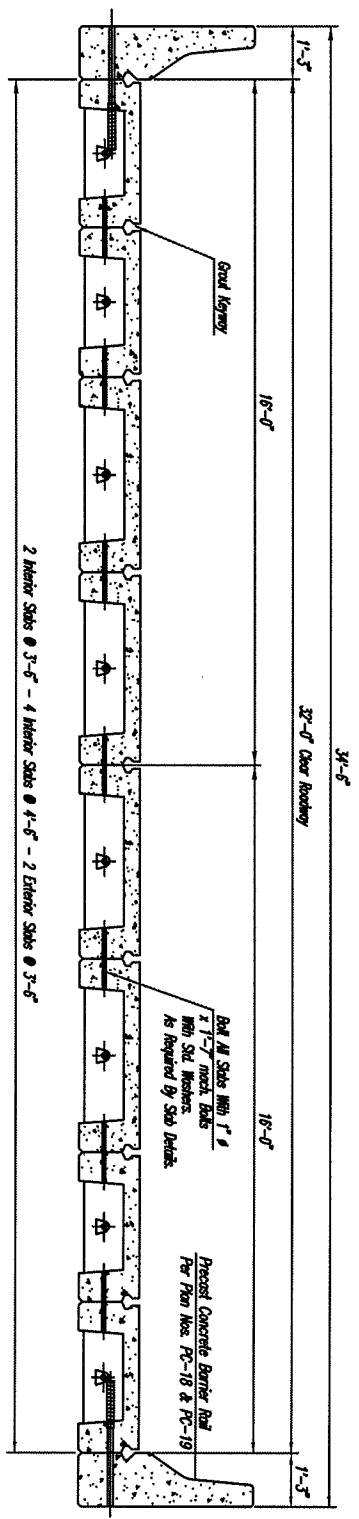
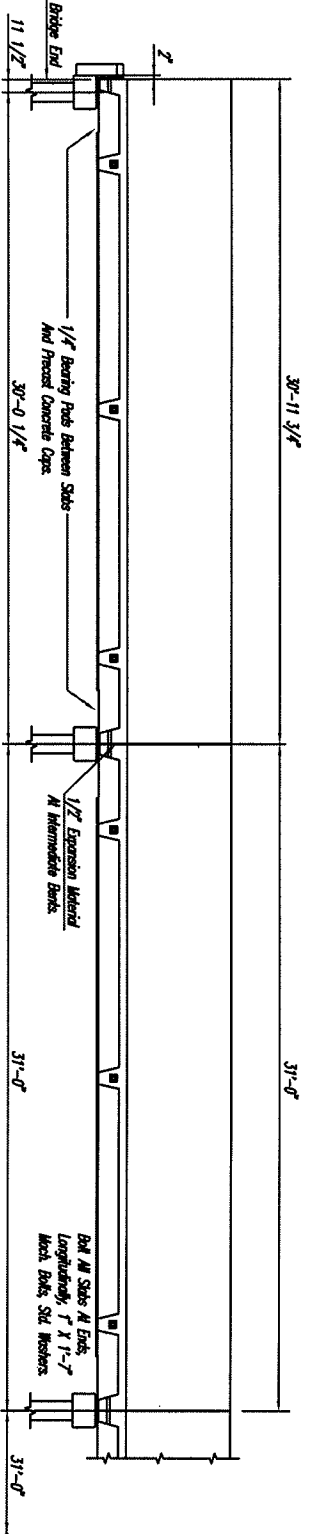
KICKAPOO

GENERALIZED SOIL PROFILE

PROJECT NO. STP-0025-00(033)
COUNTY : HINDS

FILENAME: _____
DESIGN TEAM: _____
DATE: _____

WORKING NUMBER
A3 OF 7
SHEET NUMBER
468



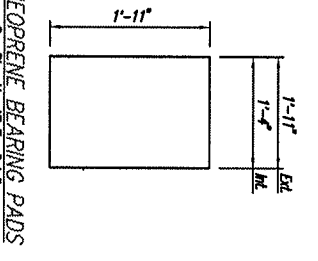
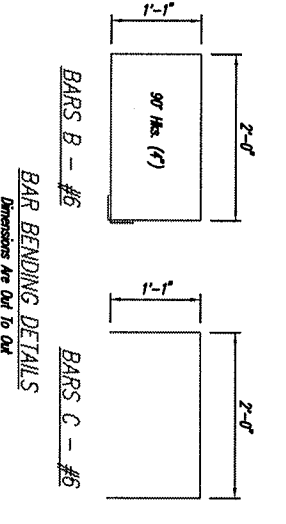
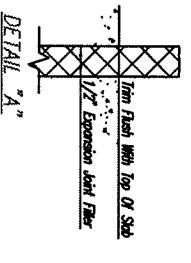
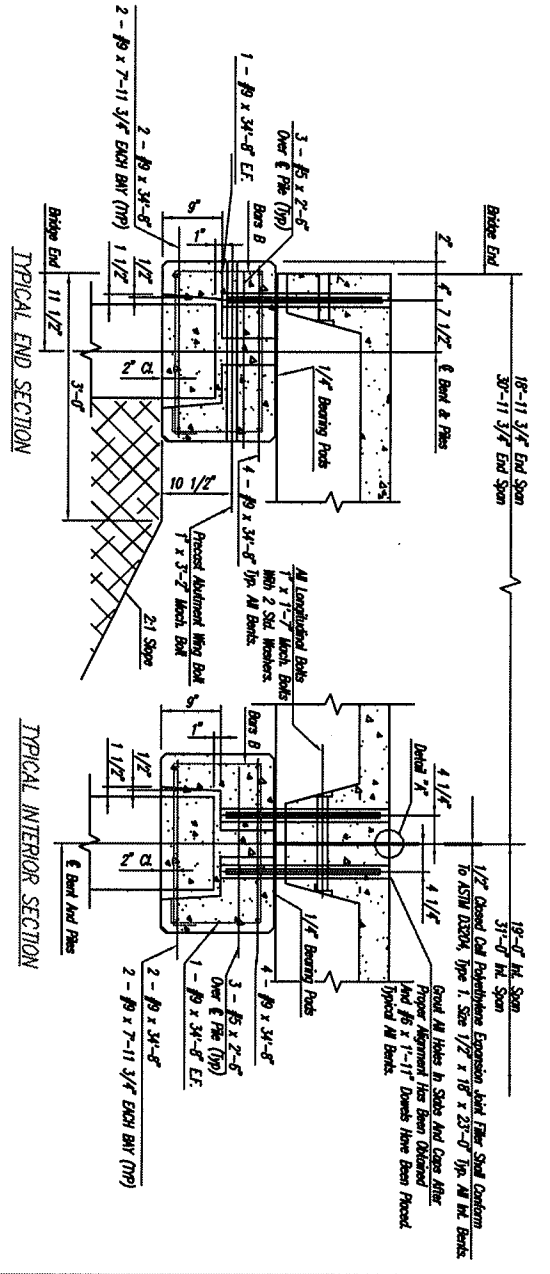
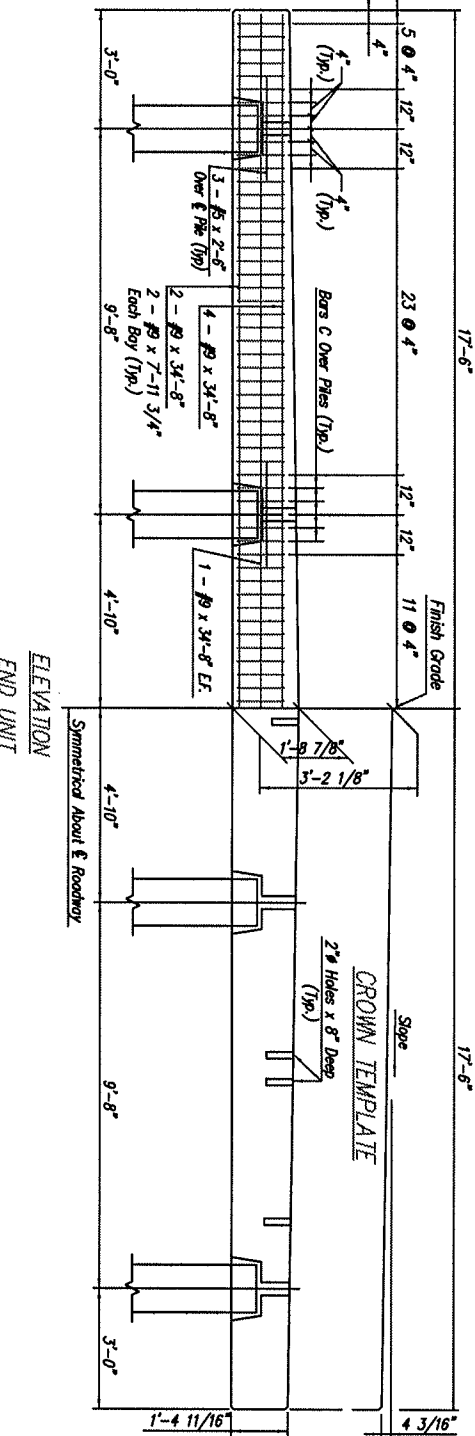
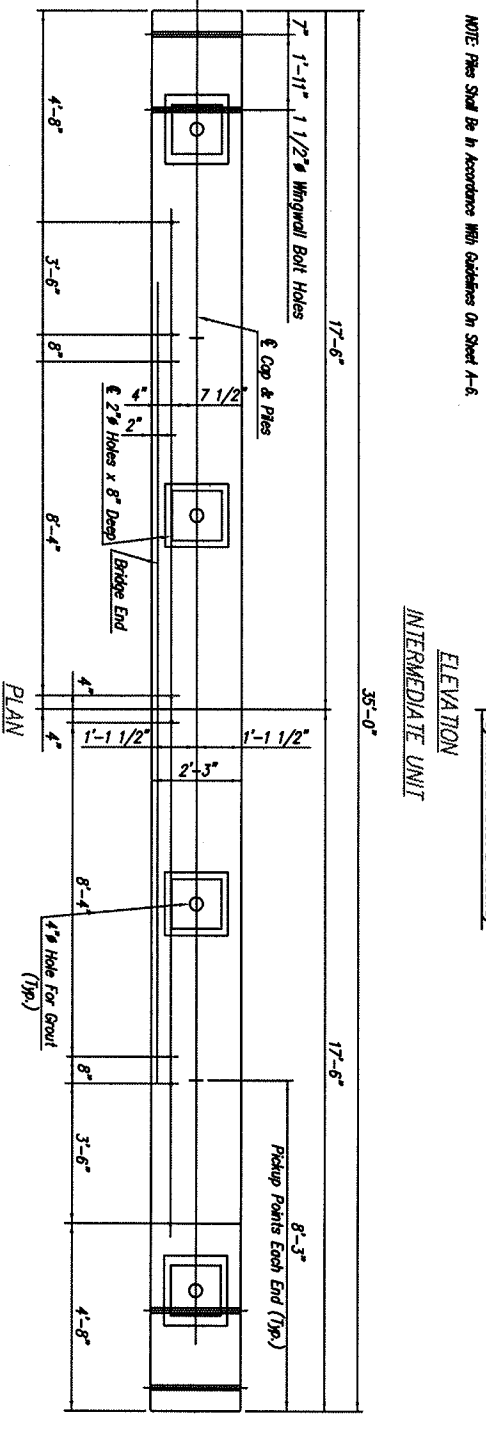
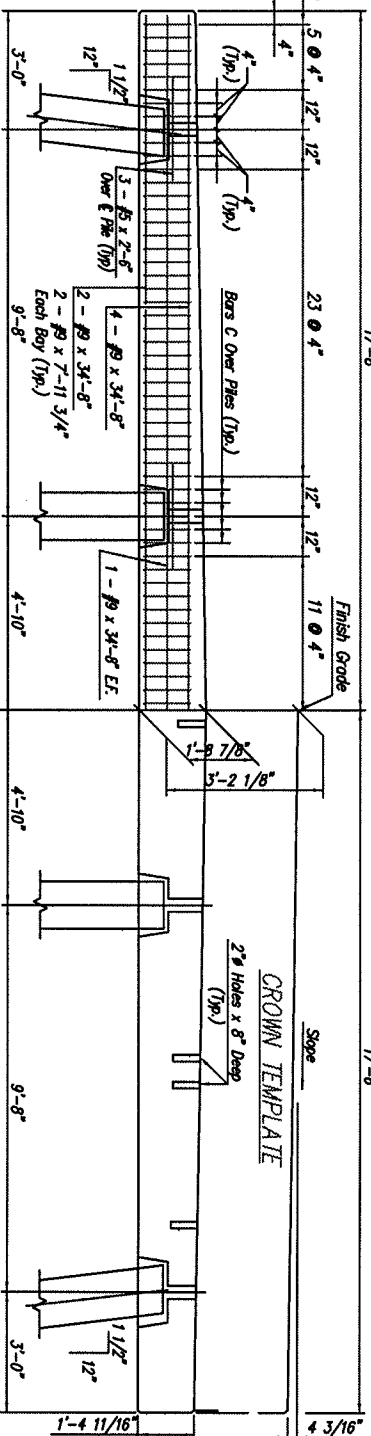
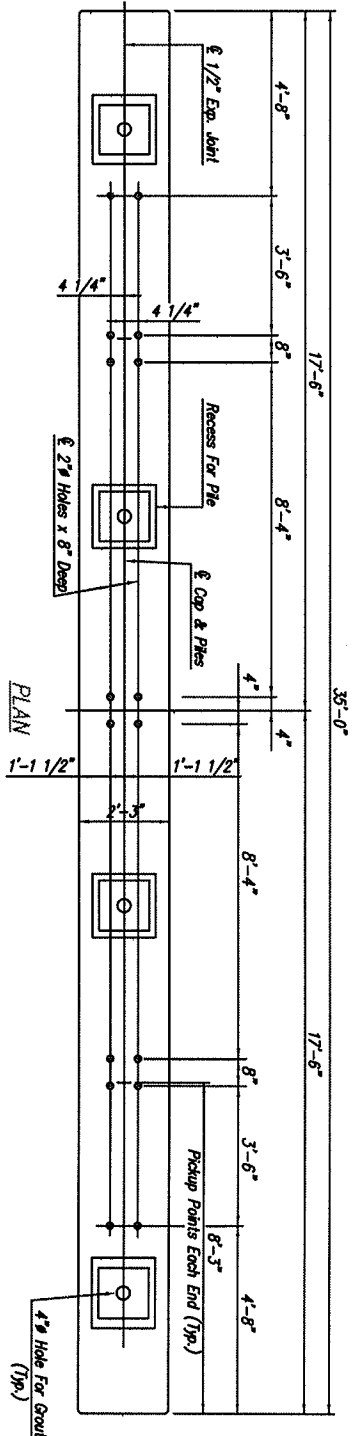
GENERAL NOTES
 Specifications: Mississippi Standard Specifications For State Aid Road And Bridge Construction, 2004 Edition.
 All Units Shall Be Accurately Read On Precast Caps With All Sps To Cap Down to Traffic Use. All Longitudinal Cracks (Keyways Shall Be Filled And Finished To Sps Surface With A 1:2:3 Mix. Maximum Size Aggregate Shall Be 3/8")
 Hardware Shall Be Galvanized Or Cadmium Plated.
 All Material And Work For Which No Pay Items Are Provided In The Proposal Will Not Be Paid For Directly And Compensation Therefore Will Be Considered Included In The Prices And Payments For Bid Items.

DESIGN DATA:
 Specifications: 2007 AASHTO LRFD Bridge Design Specifications, 4th Edition, 2007
 Design Loading: HL-93
 $f_y = 80,000 \text{ psi}$; $f_c = 4,500 \text{ psi}$; $n = 7$

CITY OF CLINTON
 KICKAPOO
 31' PRECAST CONCRETE SPANS

DATE	REVISION	BY

PROJECT NO. STP-0025-001033
 COUNTY: HINDS
 FILENAME: _____
 DESIGN TEAM: _____
 DATE: _____
 WORKING NUMBER: _____
 SHEET NUMBER: 469



After Caps Have Been Set To Proper Line And Grade, Rebar Around Piles And 4" Holes Shall Be Completely Filled With Epoxy Type Grout Or Non Shrink Cemented Type Grout.

GENERAL NOTES

Specifications: Mississippi Standard Specifications for State Aid Road And Bridge Construction, 2004 Edition.
 All Concrete Shall Obtain A Minimum Compressive Strength Of 3000 psi At 28 Days, And A Minimum Compressive Strength Of 2500 psi Before Caps Are Lifted From Forms.
 All Concrete Edges Shall Be Chamfered 3/4".
 Reinforcing Steel Shall Be Deformed Bars Conforming To A.S.T.M. A615 Grade 60. All Reinforcing Steel Shall Be Accurately Located In The Forms And Securely Held In Place By Means Of Steel Wire Supports.
 Grout For Cap To Piling Connection Shall Be Non-Shrink Cemented Type Or Epoxy Type In Accordance With Section 5-806.035 Handling And Placing Precast Caps, Sides, Barrier Rail, And Wings Of The Specifications.
 Hardware Shall Be Galvanized Or Cadmium Plated.
 A Variation Of More Than 1/4" In Dimensions Shall Be Cause For Rejection Of The Unit.
 All Material And Work For Which No Pay Items Are Provided In The Proposed MM Shall Be Paid For Directly And Compensation Therefor Shall Be Considered Included In The Prices And Payments For Bid Items.
 All Work Shall Be Per Mississippi Department of Transportation Office of State Aid Road Construction Standard PC-17.

DESIGN DATA:

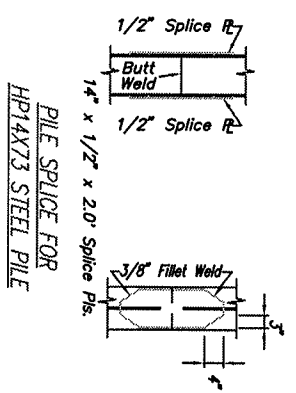
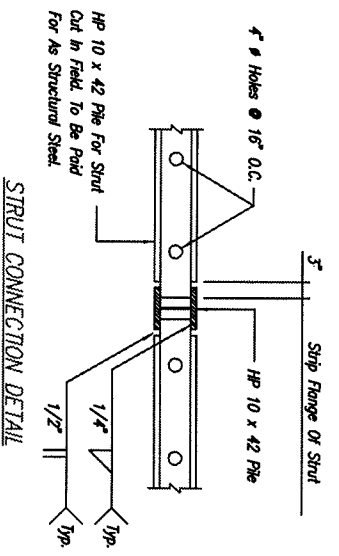
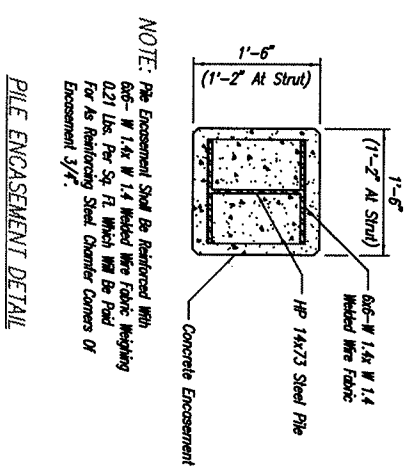
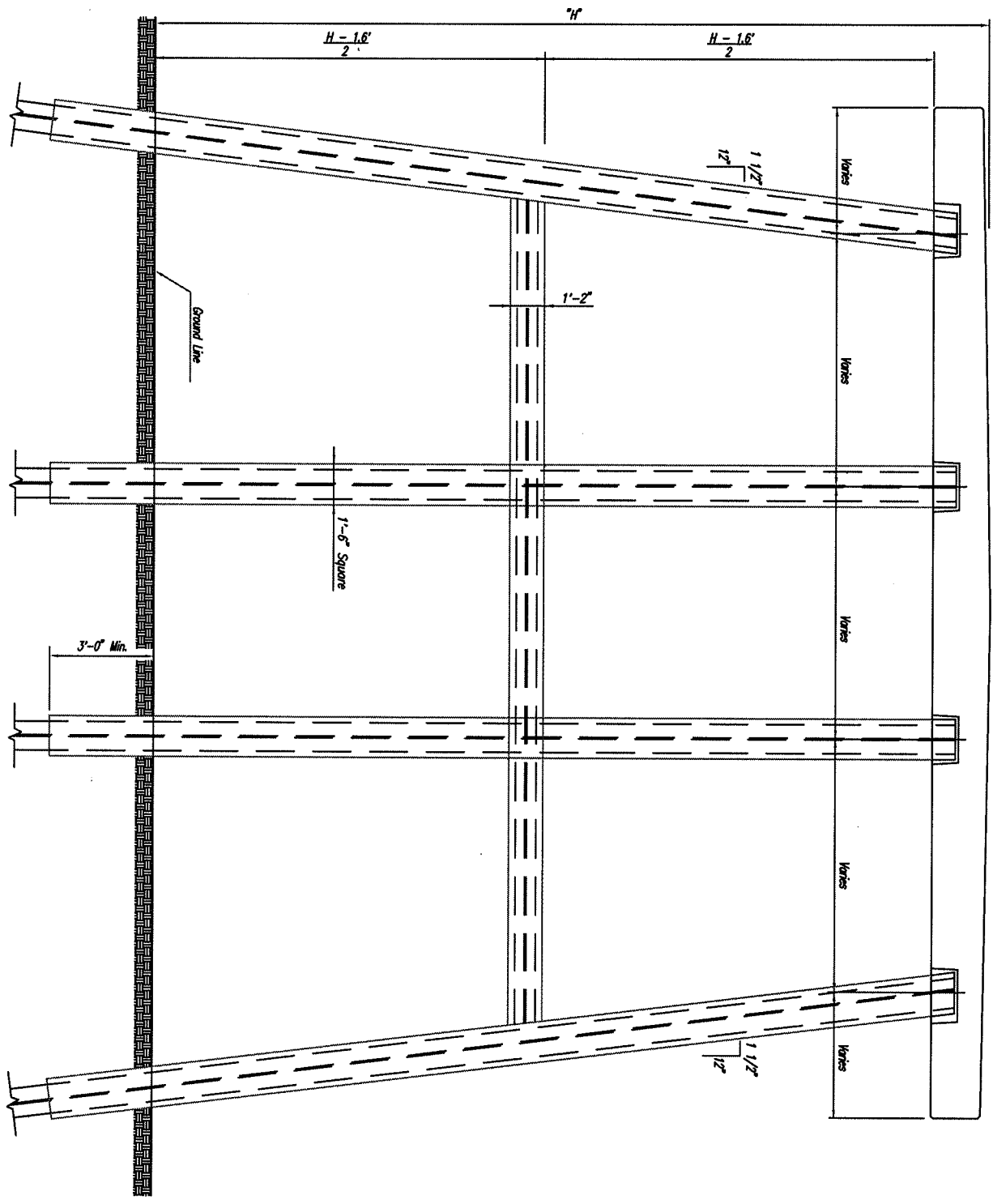
Specifications: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 4th EDITION, 2007
 Design Loading: HL-93
 $f_c = 60,000$ psi $f_s = 3,000$ psi $n = 9$

DATE	REVISION	BY

CITY OF CLINTON
 KICKAPOO
 PRECAST CONCRETE CAPS

PROJECT NO.	WORKING NUMBERS
STP-0025-00(033)	AS OF 7

FILENAME:	SHEET NUMBER
BRIDGE	470

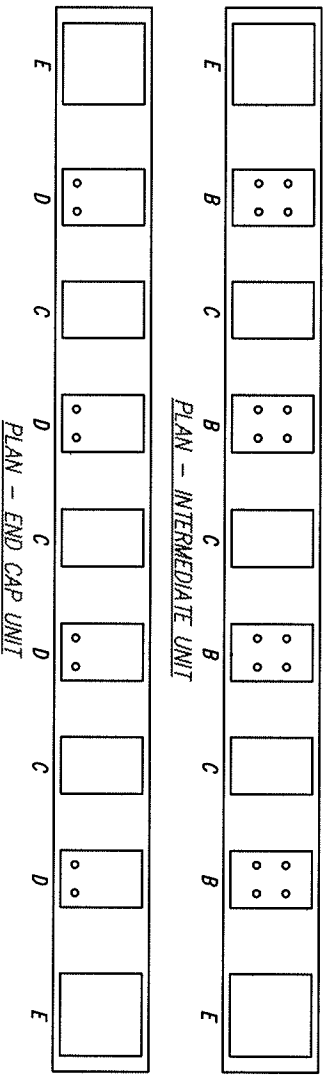
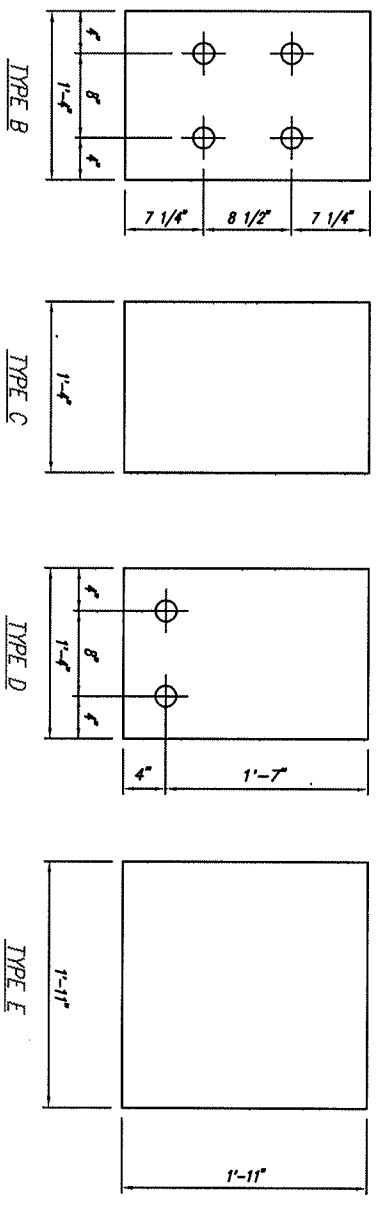


GENERAL NOTES:
 Specifications: Mississippi Standard Specifications For State Aid Road And Bridge Construction, 2004 Edition.
 All Welding Shall Be Done By The Electric Arc Process.
 When Fabricating All Piles Shall Be Driven Full Length And Shall Not Be Spliced Except By Authority Of The Engineer.
 Steel Piles Shall Be Paid For At The Contract Price Per Linear Foot Complete In Pile And No Additional Payment Will Be Allowed For Excavation And De-Watering Incidental To Installation Of Pile Encasement.
 Pile Encasement And Strut Concrete Shall Be Paid For As Class B Concrete.
 Wire Mesh And Strut Reinforcement Will Be Paid For As Reinforcing Steel.
 All Work For Which No Pay Items Are Provided In The Proposal Will Not Be Paid For Directly And Compensation Therefor Will Be Considered Included In The Prices And Payments For Bid Items.
 All Piles Shown In Plans Shall Conform To AASHTO M270 Grade 50.

STEEL PILE ENCASEMENT AND STRUT DETAILS

BY			
REVISION			
DATE			
CITY OF CLINTON			
KICKAPOO			
STEEL PILE ENCASEMENT AND STRUT			
DETAILS			
PROJECT NO.	STP-0025-00(033)	WORKING NUMBER	A5 OF 7
COUNTY:	HINDS	SHEET NUMBER	471
FILENAME:	DESIGN TEAM: JSS, GSP	CHECKED:	DATE:

CITY PROJECT NO.
CLINTON STP-0025-0010331



NEOPRENE PAD PLACEMENT - 32' CLEAR ROADWAY

GENERAL NOTES:
 Specifications:
 Helixes ASTM D2240 70 Durometer ±5
 Tensile Strength ASTM D412 2300
 Ultimate Elongation Minimum 300
 All Holes are 2 inches in Diameter
 Thickness of the Pads shall be 1/4" unless otherwise designated on the Plans. Pads may be cut from stock using appropriate saw or shear, and holes may be drilled. Pads will not be paid for separately and compensation therefore shall be considered included in the Prices and Payment for Bid Items.

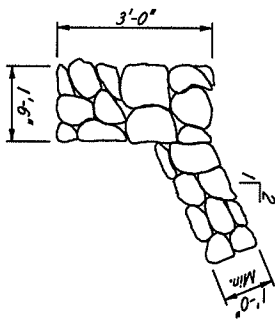
BY	CITY OF CLINTON
REVISION	
DATE	
FILENAME:	USC CRIP CHECKED DATE
PROJECT NO.	STP-0025-0010331
COUNTY:	HINDS
WORKING NUMBERS	AT OF 7
SHEET NUMBER	472

KICKAPOO
BEARING PAD & PLACEMENT DETAILS

Item	PDA Test Piles	HP 14x73 Steel Piling	18" Dia. Performed Pile Hole	Bridge Concrete Class B	Reinforcement	19' Precast Concrete Slab	31' Precast Concrete Slab	19' Precast Concrete Slab	31' Precast Concrete Slab	19' Precast Concrete Slab	31' Precast Concrete Slab	Precast Concrete Barrier Rail	35' Precast Concrete Cap	35' Precast Concrete Cap	Precast Concrete Wingwall	Structural Steel	Loose Riprap	Geotextile Fabric Under Riprap
Location	Each	L.F.	L.F.	C.Y.	LB	Each	Each	Each	Each	Each	Each	L.F.	Each	Each	Each	LB	Ton	S.Y.
Spans																		
End Bents	1	340	230	8	148	4	2	4	2	2	2	138	2	2	4	2416	386	388
Int. Bents	1	504	216	8	148	4	2	4	2	2	2	138	2	2	4	2416	386	388
Totals	1	844	506	8	148	4	2	8	4	4	4	138	2	2	4	2416	386	388

ESTIMATED QUANTITIES

Bent No.	Req'd Ultimate Bearing (lbs)	Pile	Estimated Length	Prescribed Pile Hole Elevation	Tip Elevation
1	97	HP 14x73	42.2	220	214.5
2	136	HP 14x73	62.9	220	194.0
3	136	HP 14x73	63.1	220	194.0
4	97	HP 14x73	42.6	220	214.5



RRRAP TOE DETAILS

Bent No.	Min. Length (feet)	Tip Elevation
2	63	194

SPECIAL PROVISIONS REQUIRED:

Concrete Bridges and Structures No. 907-804
Precast Concrete Bridge Caps, Spans and Wings No. 907-806-1

DRAINAGE DATA:

Drainage Area (i.e. s.s.) 3.45 sq. mi.
Total (0.25 U.S.G.S.) 2120 cfs
Effective Area 472 sq. ft.

DESIGN DATA:

Specifications A.A.S.H.T.O., LRFD
Bridge Specifications
4th Edition, 2007
Design Loading HL-93
Roadway Width 32'-0" Gutter To Gutter
Concrete f_c = 60,000 psi

MISSISSIPPI DEPARTMENT OF TRANSPORTATION OFFICE OF STATE AID ROAD CONSTRUCTION LRFD STANDARD DRAWING REQUIRED:

- PC-5 19'x3.5' Precast Concrete Slab Unit For Use With Barrier Rail
- PC-6 31'x3.5' Precast Concrete Slab Unit For Use With Barrier Rail
- PC-7 19'x4.5' Precast Concrete Slab Unit For Use With 24' & 30' Roadways
- PC-8 31'x4.5' Precast Concrete Slab Unit For Use With 24' & 30' Roadways
- PC-17 Precast Abutment Wingwall For Use With 19 ft. & 31 ft. Precast Concrete Spans
- PC-18 19'-0" Solid Type Barrier Rail
- PC-19 31'-0" Solid Type Barrier Rail

GENERAL NOTES:

Specifications: Mississippi Standard Specifications For State Aid Road And Bridge Construction, 2004 Edition Or Plans Will Be Permitted Except By Written Approval Of Design Or Construction Procedure May Be Authorized By The Bridge Engineer Provided Such Changes Will Not Be Cause For Contract Price Adjustment.
No Payment Will Be Allowed For Excavation Incidental To The Construction Of End Bents.
Bar bending Details Shall Be In Accordance With Manual Of Standard Practice For Detailing Reinforced Concrete Structures (ACI 315R-94).
Shop Drawings Of Precast Concrete Slab Spans, Including An Erection Plan, Shall Be Submitted In Duplicate To The Bridge Engineer For Approval Prior To The Manufacture Of Precast Span Units.
Concrete Surfaces Shall Receive A Class 2 Rubbed Or Spray Finish In Accordance With The Specifications.
Reinforcing Steel Shall Be ASTM A615, Grade 60, Unless Otherwise Noted.
Work For Which No Pay Item Is Provided In The Proposal Will Not Be Paid For Directly And Compensation Therefor Will Be Included In The Prices And Payments For Bid Items.

PILE NOTES:

Test Piles Shall Be Driven As Permanent Piles At The Location Shown In The TEST PILE SCHEDULE And Will Be Paid For As Test Piles Only.
The Bridge Engineer May Authorize Test Piles Driven Outside The Structure Limits.
Test Piles Shall Be Driven As A Continuous Operation To The Bearing Capacity And The Minimum Ground Penetration Shown In The TEST PILE SCHEDULE, Unless Otherwise Directed By The Bridge Engineer.
Permanent Piles Shall Be Driven To An Elevation No Higher Than The Elevation Shown In The REQUIRED ULTIMATE PILE BEARING AND TIP ELEVATION SCHEDULE.
The Tip Elevation Of Piling For Hydraulic Structures, May Be Determined By Scour Line.
When Feasible, Bearing Piles Shall Be Driven Full Length And Shall Be Spliced, Only, As Approved By The Bridge Engineer.
When Loading Tests Are Required, The Maximum Test Load Shall Be One And A Half (1 1/2) Times The Required Ultimate Pile Bearing Capacity.
All Piles Shall Be HP 14x73.
When Required, PDA Test Piles Shall Require A One Day And Seven Day Restrike Unless Otherwise Directed By The State Engineer.
Pile Lengths And Driving Criteria Shall Be Provided Based On The Results Of The PDA Test Piles.
The Required Ultimate Pile Bearing Shown In The REQUIRED ULTIMATE PILE BEARING AND TIP ELEVATION SCHEDULE Includes The LRFD Resistance Factor For PDA Of 0.65.
18" Dia. Performed Pile Hole Drilled To The Elevation Shown In The REQUIRED ULTIMATE PILE BEARING AND TIP ELEVATION SCHEDULE. Performed Pile Hole Elevation May Be Adjusted As Directed By The Bridge Engineer.

DATE	REVISION	BY

CITY OF CLINTON
CLINTON-TINNIN (GENERAL NOTES)

PROJECT NO. STP-0025-00(033)
COUNTY: HINDS

WORKING NUMBER
B1 OF 7
SHEET NUMBER
473

DESIGN TEAM: LMS CORP. CHECKED: DATE:

