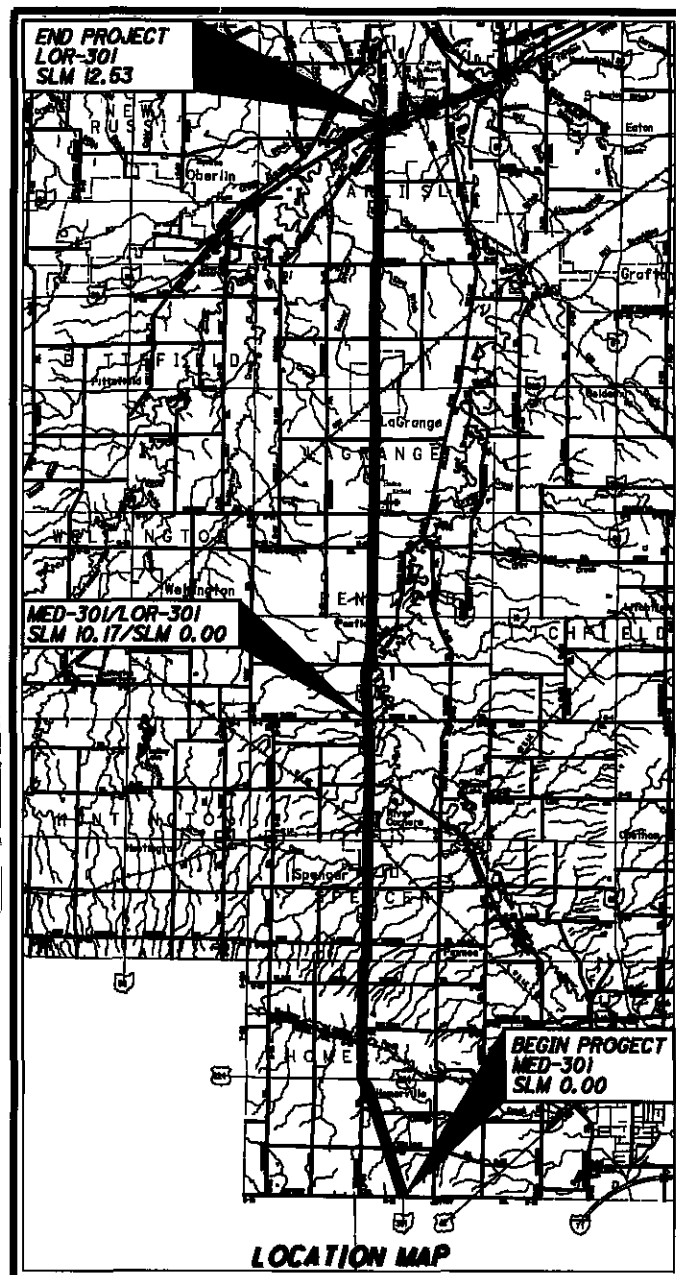


(FOR PART 2, SEE MED-301-5.48)

HOMER TOWNSHIP	PENFIELD TOWNSHIP
SPENCER TOWNSHIP	LAGRANGE TOWNSHIP
	CARLISLE TOWNSHIP

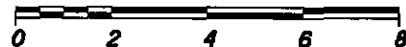
TITLE	1
STRAIGHT LINE DIAGRAM	2-3
DESIGN DESIGNATION	2-3
ROADWAY GENERAL NOTES	4-8
DROP-OFFS IN WORK ZONES	9
MAILBOX FACILITIES	10
GENERAL SUMMARY	11-12A
PAVEMENT DATA	13
SHOULDER DATA	14
TYPICAL SECTIONS	15-17
ROADWAY SUB-SUMMARY	18
SMITH ROAD DETAILS	19-23
GUARDRAIL GENERAL NOTES	24
GUARDRAIL DETAILS	25-36
CURB RAMPS	37-42
LOOP DETECTOR NOTES AND DETAILS	43
PAVEMENT MARKING AND RPM SUB-SUMMARY	44

TRAFFIC CONTROL DETAILS	45
SIGNAL NOTES AND DETAILS	46-60
STRUCTURE MED-301-0677	61-74
STRUCTURE MED-301-0679 QUANTITIES AND DETAILS	75-78
STRUCTURE SUMMARY	79-82
STRUCTURE GENERAL NOTES	83-86
STRUCTURE TREATMENT	87
STRUCTURE MED-301-0337	88-93
STRUCTURE MED-301-0624	94-96
STRUCTURE MED-301-0701	97-100
STRUCTURE LOR-301-0015	101-102
STRUCTURE LOR-301-0164	103-105
STRUCTURE LOR-301-0894	106
STRUCTURE LOR-301-0919	107-108
STRUCTURE LOR-301-1259	109-110
RIGHT OF WAY	111-114



LATITUDE: 041°08'10" LONGITUDE: 082°07'22"

SCALE IN MILES

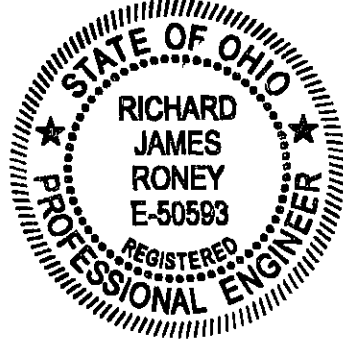


PORTION TO BE IMPROVED -----
 INTERSTATE & DIVIDED HIGHWAY. -----
 UNDIVIDED STATE & FEDERAL ROUTES. -----
 OTHER ROADS -----

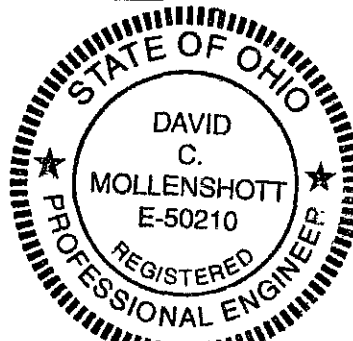
ROADWAY PART 1, ENGINEERS SEAL:	SIGNAL PART 1, ENGINEERS SEAL:	STRUCTURE/CULVERT PART 1, ENGINEERS SEAL:
------------------------------------	-----------------------------------	--



SIGNED: Michael Schaffner
DATE: 2/16/06



SIGNED: Richard J. Rony
DATE: 2-16-06



SIGNED: Darwin E. McWhorter
DATE: 2/14/06

BP-3.1	7/16/04	GR-3.3	1/20/06	GSD-1-86	7/19/02	MT-98.20	4/19/02	TC-65.10	1/21/05	800	01-20-06
BP-4.1	7/16/04	GR-3.4	4/18/03	RB-1-85	2/2/89	MT-96.25	4/20/01	TC-65.11	1/21/05	832	04-17-04
		GR-3.6	1/16/04	TBR-91	7/19/02	MT-97.10	4/19/02	TC-71.10	1/21/05	833	02-12-03
CB-1.1	7/15/05	GR-4.1	4/18/03	TST-1-89	10/17/03	MT-97.12	4/19/02	TC-73.10	1/19/01	848	04-15-05
CB-1.2	7/15/05	GR-5.3	1/16/04			MT-98.20m	1/30/95	TC-81.10	5/01/00	872	10-30-03
CB-4.2	7/19/02			HL-10.11	1/16/04	MT-101.20	10/18/02	TC-82.10	4/19/02		
		HW-1.1	1/21/05	HL-10.12	1/21/05	MT-101.60	10/18/02	TC-83.10	5/01/00		
DM-1.1	10/21/05	HW-2.1	1/20/06	HL-20.11	4/19/02	MT-105.10	10/18/02	TC-83.20	1/16/04		
DM-1.4	1/21/05	HW-2.2	7/16/05	HL-30.11	1/21/05	MT-105.11	10/18/02	TC-84.20	5/01/00		
DM-4.3	7/19/02			HL-30.21	4/19/02	MT-120.00	3/01/00	TC-84.21	3/05/00		
DM-4.4	7/19/02	RM-1.1	1/20/06	HL-30.22	1/21/05			TC-85.20	5/01/00		
		RM-3.1	4/18/03			TC-22.10	1/19/01				
GR-1.1	7/16/04	RM-4.2	4/18/03	MT-35.10	4/20/01	TC-41.20	1/18/01				
GR-2.1	1/16/04			MT-85.30	7/16/04	TC-42.20	7/16/04				
GR-3.1	4/18/03	DS-1-82	7/18/03	MT-86.61	4/19/02	TC-82.10	4/20/01				
GR-3.2	4/18/03	EXJ-4-87	7/18/02	MT-86.10	4/19/02	TC-82.20	4/20/01				

SPECIAL PROVISIONS (FOR PART 1 & 2)

NHP#3 6-13-05

THIS PROJECT WILL INCLUDE PAVEMENT PLANING, PAVEMENT REPAIR, RESURFACING WITH ASPHALT CONCRETE, ADJUSTMENT OF CASTINGS WHERE NECESSARY, GUARDRAIL, PAVEMENT MARKINGS, MINOR BRIDGE REHABILITATION, CULVERT REPLACEMENT, AND NEW TRAFFIC SIGNAL INSTALLATION.

PROJECT EARTH DISTURBED AREA: N/A ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA: N/A ACRES
NOTICE OF INTENT EARTH DISTURBED AREA: N/A ACRES

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AS NOTED ON SHEET 63, AND THAT DETOURS WILL BE PROVIDED AS INDICATED ON THE PLANS.

APPROVED James H. Lee
DATE 2-16-6 DISTRICT DEPUTY DIRECTOR

APPROVED *[Signature]*
DATE 3/22/06 DIRECTOR, DEPARTMENT OF
TRANSPORTATION

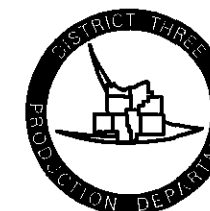
**CONTACT BOTH SERVICES
CALL TWO WORKING DAYS
BEFORE YOU DIG**

 CALL
I-800-362-2764
(TOLL FREE)

**OHIO UTILITIES PROTECTION SERVICE
NON-MEMBERS
MUST BE CALLED DIRECTLY**

**OIL & GAS PRODUCERS PROTECTIVE
SERVICE CALL: 1-800-929-0888**

PLAN PREPARED BY:



FEDERAL PROJECT NO.
E034(150)

PID NO.
23581

CONSTRUCTION PROJECT NO.

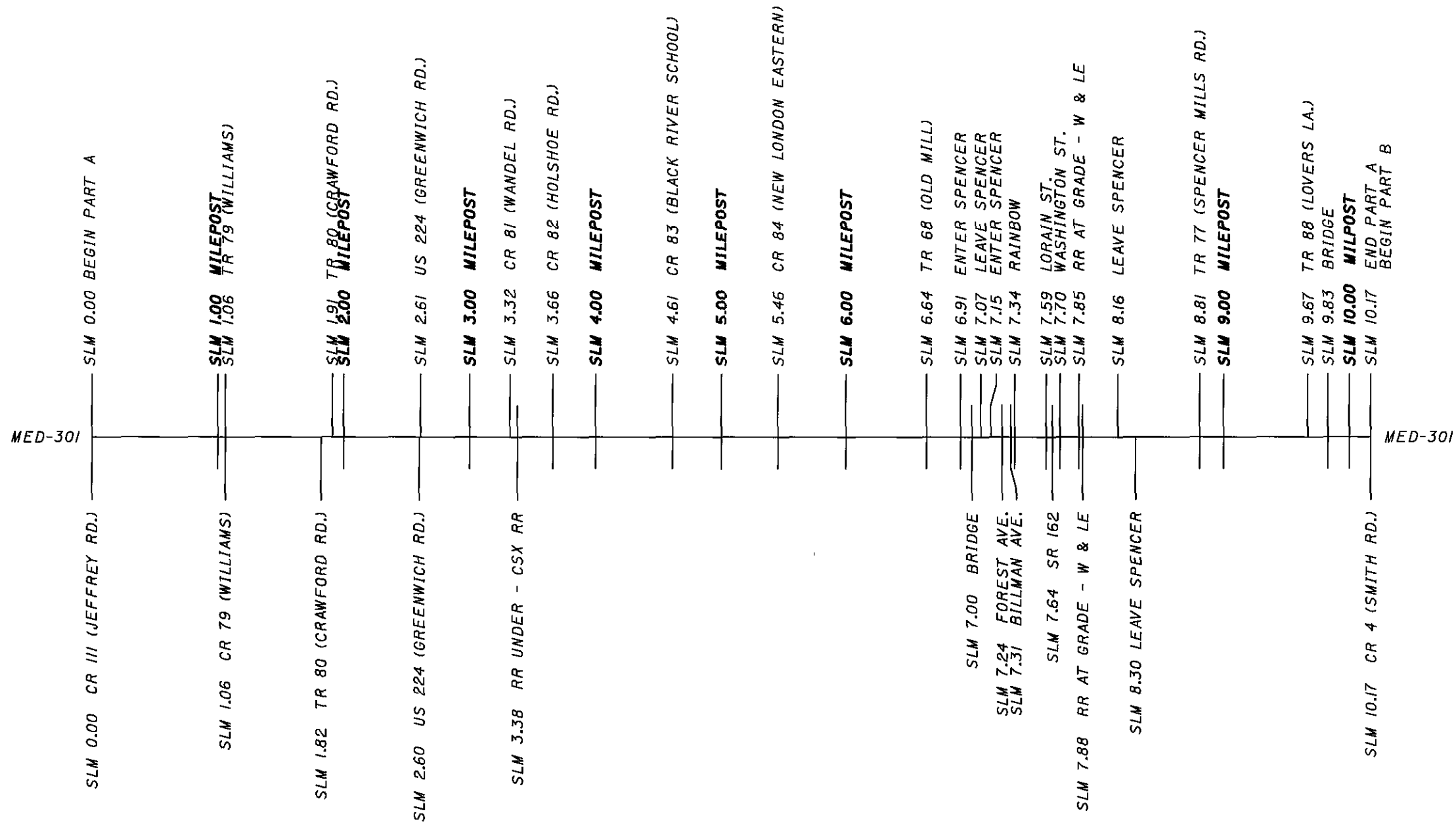
NONE

MED-301-0.00
LOB-301-0.00

MEDINA COUNTY (PART A)

SR 301

CURRENT ADT (2006) 2960
DESIGN YEAR ADT (2018) 3520
DESIGN HOURLY VOLUME (2018) 352
DIRECTIONAL DISTRIBUTION 55%
TRUCKS (24 HOUR B&C) 9.00%
DESIGN SPEED/LEGAL SPEED
SLM 0.00 TO 6.91 55 MPH
SLM 6.91 TO 8.30 35 MPH
SLM 8.30 TO 10.17 55 MPH
DESIGN FUNCTIONAL CLASSIFICATION:
RURAL MAJOR COLLECTOR
NHS PROJECT NO



LORAIN COUNTY (PART B)

SR 301

CURRENT ADT (2006) 2960
DESIGN YEAR ADT (2018) 3520
DESIGN HOURLY VOLUME (2018) 352
DIRECTIONAL DISTRIBUTION 55%
TRUCKS (24 HOUR B&C) 9.00%
DESIGN SPEED/LEGAL SPEED
SLM 0.00 TO 6.46 55 MPH
DESIGN FUNCTIONAL CLASSIFICATION:
RURAL MAJOR COLLECTOR
NHS PROJECT NO

MED-301-0.00
LOR-301-0.00

STRAIGHT LINE DIAGRAM MED-301

DATE: 2/15/2006
SJD
MJS

LORAIN COUNTY (PART B)

SR 301

CURRENT ADT (2006) 9230
DESIGN YEAR ADT (2018) 12280
DESIGN HOURLY VOLUME (2018) 1228
DIRECTIONAL DISTRIBUTION 55%
TRUCKS (24 HOUR B&C) 6.00%
DESIGN SPEED/LEGAL SPEED
SLM 6.46 TO 6.91 55 MPH
SLM 6.91 TO 7.76 35 MPH
SLM 7.76 TO 11.35 55 MPH
DESIGN FUNCTIONAL CLASSIFICATION:
RURAL MAJOR COLLECTOR
NHS PROJECT NO

LORAIN COUNTY (PART B)

SR 301

CURRENT ADT (2006) 9230
DESIGN YEAR ADT (2018) 12280
DESIGN HOURLY VOLUME (2018) 1228
DIRECTIONAL DISTRIBUTION 55%
TRUCKS (24 HOUR B&C) 6.00%
DESIGN SPEED/LEGAL SPEED
SLM 11.35 TO 12.26 55 MPH
DESIGN FUNCTIONAL CLASSIFICATION:
URBAN COLLECTOR
NHS PROJECT NO

LORAIN COUNTY (PART B)

SR 301

CURRENT ADT (2006) 12760
DESIGN YEAR ADT (2018) 16430
DESIGN HOURLY VOLUME (2018) 1478
DIRECTIONAL DISTRIBUTION 55%
TRUCKS (24 HOUR B&C) 6.00%
DESIGN SPEED/LEGAL SPEED
SLM 12.26 TO 12.52 55 MPH
DESIGN FUNCTIONAL CLASSIFICATION:
URBAN COLLECTOR
NHS PROJECT NO

LORAIN COUNTY (PART B)

SR 301

CURRENT ADT (2006) 5210
DESIGN YEAR ADT (2018) 7020
DESIGN HOURLY VOLUME (2018) 702
DIRECTIONAL DISTRIBUTION 55%
TRUCKS (24 HOUR B&C) 5.50%
DESIGN SPEED/LEGAL SPEED
SLM 12.52 TO 12.53 SB 55 MPH
DESIGN FUNCTIONAL CLASSIFICATION:
URBAN COLLECTOR
NHS PROJECT NO

LOR-301

SLM 0.00 CR 4 (SMITH RD.)
SLM 0.00
SLM 0.02
END PART A
BEGIN PART B
ALEXANDER DR.

SLM 1.00 MILEPOST
SLM 1.22 TR 5 (JONES RD.)

SLM 1.55 CR 26 (INDIAN HOLLOW RD.)
SLM 1.64 BRIDGE

SLM 2.00 MILEPOST
SLM 2.22 SR 18 (MEDINA NORWALK RD.)

SLM 3.01 MILEPOST

SLM 3.66 CR 45 (PECK WADSWORTH)

SLM 3.97 MILEPOST

SLM 4.37 TR 71 (WEBSTER)

SLM 5.00 MILEPOST

SLM 5.92 TR 72 (WHITNEY)
SLM 6.00 MILEPOST

SLM 6.31 LEAVE LAGRANGE

SLM 6.39 ENTER LAGRANGE - COMMERCE DR.
SLM 6.40 LEAVE LAGRANGE

SLM 6.78 RR AT GRADE - CSX
SLM 6.89 UNION ST.

SLM 7.05 LIBERTY ST

SLM 7.25 FOREST ST.

SLM 7.39 HARMON

SLM 7.54 LEAVE LAGRANGE - LEFT

SLM 8.00 MILEPOST

SLM 8.04 TR 74 (BIGGS RD.)

SLM 9.03 MILEPOST

SLM 9.57 CR 15 (PARSONS RD.)

SLM 9.80 EQUATION 9.80B - 9.82A

SLM 10.05 MILEPOST

SLM 10.33 TR 167 (BANKS RD.)

SLM 11.05 MILEPOST

SLM 11.05 MILLS - LEFT

SLM 11.35 TR 168 (SLIFE)

SLM 11.20 TR 269 (RAVINE'S EDGE)

SLM 12.03 MILEPOST

SLM 12.39 CR 12A (BUTTERNUT PARK)
SLM 12.41 OVERPASS - US 20
SLM 12.26 CR 27 (NICKEL PLATE DIAGONAL)
SLM 12.39 CR 12 (BUTTERNUT RIDGE)
SLM 12.51 CR 19 (LAGRANGE ELYRIA)
SLM 12.53 SB - END PART B

LOR-301

MED-301-0624 SFN 5207509

ITEM	EXTENSION	QUANTITY	UNIT	DESCRIPTION	REFERENCE SHEET
202	11300	4.11	CU YD	PORTIONS OF STRUCTURE REMOVED	
202	38500	50	FT.	BRIDGE RAILING REMOVED	
509	10000	590	POUND	EPOXY COATED REINFORCING STEEL	
511	34401	4.2	CU YD	CLASS S CONCRETE, SUPERSTRUCTURE, AS PER PLAN	83
511	45701	1.8	CU YD	CLASS C CONCRETE, ABUTMENT, AS PER PLAN	83
512	10100	10	SQ YD	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
516	13200	9	SQ FT	1/2" PREFORMED EXPANSION JOINT FILLER	
517	70000	50.83	FT.	RAILING (TWIN STEEL TUBE)	
SPECIAL	51822300	43	FT.	STEEL DRIP STRIP	84
848	10001	69	SQ YD	MICRO SILICA MODIFIED CONCRETE OVERLAY USING HYDRODEMOLITION, AS PER PLAN (2 1/2" THICK)	84
848	20000	60	SQ YD	SURFACE PREPARATION USING HYDRODEMOLITION	
848	30001	2	CU YD	MICRO SILICA MODIFIED CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY, AS PER PLAN	84
848	50000	2	SQ YD	HAND CHIPPING	
848	50100	LUMP		TEST SLAB	
848	50200	1	CU YD	FULL-DEPTH REPAIR	
848	50300	53	SQ YD	WEARING COURSE REMOVED, ASPHALT	
848	50320	69	SQ YD	EXISTING CONCRETE OVERLAY REMOVED (1 1/2" NOMINAL THICKNESS)	
848	50340	4	SQ YD	REMOVAL OF DEBONDED OR DETERIORATED EXISTING VARIABLE THICKNESS CONCRETE OVERLAY	

MED-301-0701 SFN 5207533

ITEM	EXTENSION	QUANTITY	UNIT	DESCRIPTION	REFERENCE SHEET
202	11300	23.35	CU YD	PORTIONS OF STRUCTURE REMOVED	
202	38500	187.50	FT.	BRIDGE RAILING REMOVED	
509	10000	4567	POUND	EPOXY COATED REINFORCING STEEL	
511	34401	30	CU YD	CLASS S CONCRETE, SUPERSTRUCTURE, AS PER PLAN	83
511	45701	4.01	CU YD	CLASS C CONCRETE, ABUTMENT, AS PER PLAN	83
512	10100	87	SQ YD	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
516	13200	18	SQ FT	1/2" PREFORMED EXPANSION JOINT FILLER	
517	70000	181.25	FT.	RAILING (TWIN STEEL TUBE)	
SPECIAL	51822300	212.50	FT.	STEEL DRIP STRIP	84
601	34400	59	CU YD	ROCK CHANNEL PROTECTION, WITH GROUT, TYPE B	
848	10001	312	SQ YD	MICRO SILICA MODIFIED CONCRETE OVERLAY USING HYDRODEMOLITION, AS PER PLAN (2 1/2" THICK)	84
848	20000	312	SQ YD	SURFACE PREPARATION USING HYDRODEMOLITION	
848	30001	9	CU YD	MICRO SILICA MODIFIED CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY, AS PER PLAN	84
848	50000	10	SQ YD	HAND CHIPPING	
848	50100	LUMP		TEST SLAB	
848	50200	1	CU YD	FULL-DEPTH REPAIR	
848	50320	312	SQ YD	EXISTING CONCRETE OVERLAY REMOVED (1 1/2" NOMINAL THICKNESS)	
848	50340	16	SQ YD	REMOVAL OF DEBONDED OR DETERIORATED EXISTING VARIABLE THICKNESS CONCRETE OVERLAY	

DISTRICT 3
OFFICE OF PRODUCTION

DATE 02/06
RDN
GTS
DJV

STRUCTURE SUMMARY

MED-301-0.00
LOR-301-0.00

LOR-301-0015 SFN 4706331

REFERENCES SHALL BE MADE TO STANDARD DRAWINGS:

DS-1-92	DATED	7/18/03	EXJ-4-87	DATED	7/19/02
TST-1-99	DATED	10/17/03	GSD-1-96	DATED	7/19/02
BP-3.1	DATED	7/16/04	RB-1-55	DATED	2/02/59
MT-97.10	DATED	4/19/02	TBR-91	DATED	7/19/02
MT-101.60	DATED	10/18/02	MT-96.20	DATED	4/19/02
MT-105.10	DATED	10/18/02	MT-96.25	DATED	4/20/01
MT-105.11	DATED	10/18/02	MT-101.20	DATED	10/18/02

AND TO SUPPLEMENTAL SPECIFICATIONS:

848 DATED 4/15/05

DESIGN DATA

CONCRETE CLASS S - $f'_c = 4,500$ psi SUPERSTRUCTURE
CONCRETE CLASS C - $f'_c = 4,000$ psi SUBSTRUCTURE
REINFORCING STEEL - ASTM A615 OR A996 GRADE 60
MINIMUM $F_y = 60,000$ psi.
DECK PROTECTION METHOD - EPOXY COATED REINFORCING STEEL

EXISTING STRUCTURE VERIFICATION:

DETAILS AND DIMENSIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING STRUCTURES HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING STRUCTURES AND FROM FIELD OBSERVATION AND MEASUREMENTS. CONSEQUENTLY, THEY ARE INDICATIVE OF THE EXISTING STRUCTURES AND THE PROPOSED WORK BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. THE CONTRACTOR IS REFERRED TO CMS SECTIONS 102.05, 105.02 AND 513.02. THE ORIGINAL CONSTRUCTION PLANS OF THE EXISTING BRIDGES ARE AVAILABLE UPON REQUEST AT THE DISTRICT 3 OFFICE OF THE OHIO DEPARTMENT OF TRANSPORTATION, ASHLAND, OHIO.

CONTRACT BID PRICES SHALL BE BASED UPON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PRE-BID EXAMINATION OF THE EXISTING STRUCTURES BY THE CONTRACTOR. HOWEVER, ALL PROJECT WORK SHALL BE BASED ON ACTUAL DETAILS AND DIMENSIONS WHICH HAVE BEEN VERIFIED BY THE CONTRACTOR IN THE FIELD.

DESIGN SPECIFICATIONS:

THIS STRUCTURE CONFORMS TO "STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 2002 INCLUDING THE 2003 AND 2004 INTERIM SPECIFICATIONS AND THE ODOT BRIDGE DESIGN MANUAL.

PLACING ASPHALT CONCRETE FEATHERING ON APPROACHES TO BRIDGES:

SPECIAL CARE SHALL BE TAKEN, WHEN PLACING THE ASPHALT CONCRETE FEATHERING TO EFFECT A SMOOTH TRANSITION FROM THE EXISTING APPROACH PAVEMENT TO THE BRIDGE DECK OR APPROACH SLAB. THE CONTRACTOR'S ATTENTION IS CALLED TO STANDARD DRAWING BP-3.1 FOR REQUIRED TOLERANCES.

CUT LINE CONSTRUCTION JOINT PREPARATION:

SAW CUT BOUNDARIES OF PROPOSED CONCRETE REMOVALS 1 INCH [25 MM] DEEP. REMOVE CONCRETE TO A ROUGH SURFACE. LEAVE THE EXISTING REINFORCING STEEL IN PLACE. PRIOR TO CONCRETE PLACEMENT ABRASIVELY CLEAN JOINT SURFACES AND EXISTING EXPOSED REINFORCEMENT TO REMOVE LOOSE AND DISINTEGRATED CONCRETE AND LOOSE RUST. THOROUGHLY CLEAN THE JOINT SURFACE AND EXPOSED REINFORCEMENT OF ALL DIRT, DUST, RUST OR OTHER FOREIGN MATERIAL BY THE USE OF WATER, AIR UNDER PRESSURE, OR OTHER METHODS THAT PRODUCE SATISFACTORY RESULTS. EXISTING REINFORCING STEEL DOES NOT HAVE TO HAVE A BRIGHT STEEL FINISH, BUT REMOVE ALL PACK AND LOOSE RUST. THOROUGHLY DRENCH EXISTING CONCRETE SURFACES WITH CLEAN WATER AND ALLOW TO DRY TO A DAMP CONDITION BEFORE PLACING CONCRETE.

ITEM 202- PORTIONS OF STRUCTURE REMOVED:

THIS ITEM SHALL INCLUDE THE ELEMENTS INDICATED IN THE PLANS. ITEMS TO BE REMOVED INCLUDE ALL EXISTING MATERIALS BEING REPLACED BY NEW CONSTRUCTION AND MISCELLANEOUS ITEMS THAT ARE NOT SHOWN TO BE INCORPORATED INTO THE FINAL CONSTRUCTION AND ARE DIRECTED TO BE REMOVED BY THE ENGINEER. THE USE OF EXPLOSIVES, HEADACHE BALLS AND/OR HOE-RAMS WILL NOT BE PERMITTED. THE METHOD OF REMOVAL AND THE WEIGHT OF HAMMER SHALL BE APPROVED BY THE ENGINEER. PERFORM ALL WORK IN A MANNER THAT WILL NOT CUT, ELONGATE OR DAMAGE THE EXISTING REINFORCING STEEL TO BE PRESERVED. CHIPPING HAMMERS SHALL NOT BE HEAVIER THAN THE NOMINAL 90-POUND CLASS. PNEUMATIC HAMMERS SHALL NOT BE PLACED IN DIRECT CONTACT WITH REINFORCING STEEL THAT IS TO BE RETAINED IN THE REBUILT STRUCTURE. SUBMIT CONSTRUCTION PLANS ACCORDING TO CMS 501.05.

ITEM 202 - BRIDGE RAILING REMOVED, AS PER PLAN:

THIS ITEM SHALL BE USED TO REMOVE THE ALUMIMUM RAIL, AND PARTS OF THE TOP OF THE PARAPETS. THE ANCHOR BOLTS SHALL BE REMOVED $\frac{1}{4}$ " BELOW TOP OF PARAPET.

PAYMENT FOR ALL OF THE ABOVE SHALL BE AT THE UNIT PRICE BID PER FOOT FOR THE ABOVE ITEMS WHICH SHALL INCLUDE ALL LABOR, EQUIPMENT MATERIALS, AND INCIDENTALS NECESSARY TO COMPLETE THE ABOVE WORK.

ITEM 202 REMOVAL MISC.: END CROSS FRAME:

THIS ITEM SHALL BE USED TO REMOVE THE EXISTING END CROSS FRAME AT THE REAR ABUTMENT. THE CROSS FRAMES SHALL BE REMOVED AND AREAS GROUND SMOOTH.

PAYMENT FOR ALL OF THE ABOVE SHALL BE AT THE UNIT PRICE BID PER EACH FOR THE ABOVE ITEMS WHICH SHALL INCLUDE ALL LABOR, EQUIPMENT MATERIALS, AND INCIDENTALS NECESSARY TO COMPLETE THE ABOVE WORK.

ITEM 511- CLASS S CONCRETE, SUPERSTRUCTURE, AS PER PLAN:

THE COARSE AGGREGATE SHALL BE LIMESTONE.

PAYMENT FOR ALL OF THE ABOVE SHALL BE AT THE UNIT PRICE BID PER CUBIC YARD FOR EACH OF THE ABOVE ITEMS WHICH SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY TO COMPLETE THE ABOVE WORK.

ITEM 511 - CLASS C CONCRETE, ABUTMENT, AS PER PLAN:

THIS ITEM SHALL BE USED AT LOCATIONS INDICATED IN THE PLAN.

THE COARSE AGGREGATE SHALL BE LIMESTONE.

ALL EXISTING SURFACES TO WHICH THE CONCRETE IS TO BOND AND ALL PRESERVED REINFORCING STEEL SHALL BE CLEANED BY ABRASIVE BLASTING. THESE SURFACES SHALL BE MADE FREE OF SPALLS, LAITANCE, AND OTHER CONTAMINANTS DETRIMENTAL TO ACHIEVING AN ADEQUATE BOND.

PAYMENT FOR ALL OF THE ABOVE SHALL BE AT THE UNIT PRICE BID PER CUBIC YARD FOR ITEM 511- CLASS C CONCRETE, ABUTMENT, AS PER PLAN WHICH SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY TO COMPLETE THE ABOVE WORK.

DESIGN FILE: I:\projects\2358\struct\strnote.dgn
WORKSTATION: sdeer DATE: 2/16/2006

ITEM 513 - STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN:

ALL REQUIREMENTS OF 513 APPLY TO SHOP FABRICATED MEMBERS. PERFORM WORK FOR FIELD FABRICATED MEMBERS ACCORDING TO ITEM 513, EXCEPT AS MODIFIED HEREIN. THE DEPARTMENT WILL NOT REQUIRE THE CONTRACTOR PERFORMING FIELD FABRICATION TO BE PRE-QUALIFIED AS SPECIFIED IN SUPPLEMENT 1078. SUBMIT A WRITTEN LETTER OF MATERIAL ACCEPTANCE, 501.06, TO THE ENGINEER. PROVIDE SHOP DRAWINGS ACCORDING TO 513.04 OR SUPPLY THE ENGINEER WITH "AS-BUILT" DRAWINGS MEETING 513.04 AFTER COMPLETION OF FIELD FABRICATION. THE ENGINEER WILL REVIEW THE SUBMITTED DRAWINGS FOR CONCURRENCE WITH THE FINAL AS-BUILT CONDITION. IF NECESSARY, THE ENGINEER MAY CONTACT THE OFFICE OF STRUCTURAL ENGINEERING FOR TECHNICAL ASSISTANCE. IF THE ENGINEER IS SATISFIED WITH THE "AS-BUILT" DRAWINGS AND THE DELIVERED MATERIALS, SUPPLY A COPY OF THE DRAWINGS, STAMPED AND DATED, ALONG WITH MICROFILM, TO THE STRUCTURAL, WELDING AND METALS SECTION OF THE OFFICE OF MATERIAL MANAGEMENT FOR RECORD PURPOSES.

THE FOLLOWING MEMBERS ARE INCLUDED IN THIS ITEM: END CROSS FRAME.

ITEM 513 TRIMMING OF BEAM ENDS:

THE ENDS OF BEAM AT REAR ABUTMENT SHALL BE TRIMMED TO PROVIDE FOR 3' OF CLEARANCE TO THE EXISTING BACKWALL.

PAYMENT FOR ALL OF THE ABOVE SHALL BE AT THE UNIT PRICE BID PER EACH FOR THE ABOVE ITEMS WHICH SHALL INCLUDE ALL LABOR, EQUIPMENT MATERIALS, AND INCIDENTALS NECESSARY TO COMPLETE THE ABOVE WORK.

ITEM 516, JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN:

THIS WORK CONSISTS OF RAISING OR RE-POSITIONING EXISTING STRUCTURES TO THE DIMENSIONS AND REQUIREMENTS DEFINED IN THE PROJECT PLANS. SUBMIT CONSTRUCTION PLANS IN ACCORDANCE WITH CMS 501.05. IF, DURING THE JACKING OPERATIONS, CRACKING OF THE CONCRETE SUPERSTRUCTURE, SEPARATION OF THE CONCRETE DECK FROM THE STEEL STRINGERS, OR OTHER DAMAGE TO THE STRUCTURE IS VISUALLY OBSERVED, IMMEDIATELY CEASE THE JACKING OPERATION AND INSTALL SUPPORTS TO THE SATISFACTION OF THE ENGINEER. ANALYZE THE DAMAGE AND SUBMIT A METHOD OF CORRECTION TO THE ENGINEER FOR APPROVAL. EPOXY INJECT ALL BEAMS THAT SEPARATE FROM THE DECK FOR THE DISTANCE OF THE SEPARATION IN ACCORDANCE WITH CMS 512.07. THE DEPARTMENT WILL NOT PAY FOR THE COST OF THIS EPOXY INJECTION OR OTHER REQUIRED REPAIRS. THE BRIDGE BEARINGS SHALL BE FULLY SEATED AT ALL CONTACT AREAS. IF FULL SEATING IS NOT ATTAINED, SUBMIT A REPAIR PLAN TO THE ENGINEER. THE DEPARTMENT WILL NOT PAY FOR THE REPAIR COSTS TO ENSURE FULL SEATING ON BEARINGS. THE DEPARTMENT WILL MEASURE THIS WORK ON A LUMP SUM BASIS. THE DEPARTMENT WILL PAY FOR THE ACCEPTED QUANTITIES AT THE CONTRACT PRICE FOR ITEM 516, JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN.

ITEM 848 - MICRO SILICA MODIFIED CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY, AS PER PLAN:

THE COARSE AGGREGATE SHALL BE LIMESTONE.

PAYMENT FOR ALL OF THE ABOVE SHALL BE AT THE UNIT PRICE BID PER CUBIC YARD FOR THE ABOVE ITEMS WHICH SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS NECESSARY TO COMPLETE THE ABOVE WORK.

ITEM 848 - MICRO SILICA MODIFIED CONCRETE OVERLAY USING HYDRODEMOLITION, AS PER PLAN (2 1/2 INCH THICK):

THESE ITEMS SHALL BE USED AT LOCATIONS INDICATED IN THE PLAN. THE COARSE AGGREGATE SHALL BE LIMESTONE.

THE SURFACE FINISH REQUIREMENTS SHALL BE AS PER CMS 511.19 AND 511.20 IN LIEU OF THAT WHICH IS SPECIFIED IN SUPPLEMENTAL SPECIFICATION 848.

SEE THE SUPPLEMENTAL SPECIFICATION FOR DETAILS.

PAYMENT FOR ALL OF THE ABOVE SHALL BE AT THE UNIT PRICE BID PER SQUARE YARD FOR THE ABOVE ITEMS WHICH SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS NECESSARY TO COMPLETE THE ABOVE WORK.

ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B, AS PER PLAN:

THIS ITEM SHALL BE USED FOR PAVEMENT WIDENING AS PER DETAILS IN THE PLAN.

THE CONTRACTOR SHALL, UNDER THE DIRECTION OF THE ENGINEER, LOCATE THE EDGES OF THE SOUND PAVEMENT, AND SHALL CUT AND TRIM THE EXISTING PAVEMENT TO A NEAT LINE AS ESTABLISHED BY THE ENGINEER. THE CONTRACTOR SHALL DISPOSE OF PAVEMENT FROM THE TRIMMING OPERATION.

WIDENING SHALL BE DONE ON ONLY ONE SIDE OF THE PAVEMENT AT A TIME.

ALL EXCAVATION, PAVEMENT TRIMMING, FILL MATERIAL AND ANY OTHER INCIDENTAL ITEMS NEEDED SHALL BE INCLUDED IN THIS ITEM. WHEN NO LONGER NEEDED FOR TRAFFIC MAINTENANCE, THE TEMPORARY PAVEMENT SHALL REMAIN IN PLACE. ALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY RAISED PAVEMENT MARKERS SHALL BE REMOVED AS PER 641.10 AND 202.071.

PAYMENT FOR ALL OF THE ABOVE SHALL BE AT THE UNIT PRICE BID PER SQUARE YARD FOR ITEM 615- PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B, AS PER PLAN WHICH SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY TO COMPLETE THE ABOVE WORK.

ITEM SPECIAL - STEEL DRIP STRIP:

THIS ITEM SHALL BE USED AT LOCATIONS SHOWN IN THE PLAN.

SEE STD. DRW. DS-I-92 FOR DETAILS AND NOTES

PAYMENT FOR ALL OF THE ABOVE SHALL BE AT THE UNIT PRICE BID PER FOOT FOR THE ABOVE ITEMS WHICH SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS NECESSARY TO COMPLETE THE ABOVE WORK.

STRUCTURE GENERAL NOTES

MED-301-0.00
LOR-301-0.00

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**ITEM 614 - MAINTAINING TRAFFIC:
STRUCTURE LOR-301-0015 & LOR-301-0164**

TWO-WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES EXCEPT THAT THROUGH TRAFFIC ON THESE STRUCTURES SHALL HAVE A SIGNALIZED CLOSURE AS SHOWN ON SHEET NO. 86 FOR A MAXIMUM OF 35 CONSECUTIVE CALENDAR DAYS (TOTAL BOTH PHASES AND BOTH STRUCTURES). THE 35 CONSECUTIVE DAYS SHALL BE CONSIDERED AS AN INTERIM COMPLETION DATE (SECTION 108) AND FOR EACH CALENDAR DAY BEYOND THE 35 CALENDAR DAYS THAT THE HIGHWAY REMAINS IN A SIGNALIZED CLOSURE, THE CONTRACTOR WILL BE ASSESSED LIQUIDATED DAMAGES AS PER 108.07.

LOR-301-0015 AND LOR-301-0164 SHALL BE MAINTAINED AT THE SAME TIME.
NO EQUIPMENT OR MATERIAL SHALL BE LOCATED OTHER THAN BEHIND THE DRUMS.

THE LOCATION OF THE ADVANCE WARNING SIGNS SHOULD BE ADJUSTED TO PROVIDE FOR ADEQUATE SIGHT DISTANCE FOR THE EXISTING VERTICAL AND HORIZONTAL ROADWAY ALIGNMENT.

THE SPACING BETWEEN PROPOSED SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS.

**MED-301-0337, MED-301-5.48, MED-301-0624,
MED-301-0677 & MED-301-0701**

DETOUR LIMITATION AND INTERIM COMPLETION DATE:

TWO WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES, EXCEPT FOR A PERIOD NOT TO EXCEED 105 CONSECUTIVE CALENDAR DAYS, THROUGH TRAFFIC WILL BE DETOURED AS SHOWN ON SHEET 86.

FOR STRUCTURE MED-301-0337, TWO WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES, EXCEPT FOR PERIOD NOT TO EXCEED 45 CONSECUTIVE CALENDAR DAYS, THROUGH TRAFFIC WILL BE DETOURED AS SHOWN ON SHEET 86. FROM STRUCTURES MED-301-5.48, MED-301-0624, MED-301-06.77 AND MED-301-0701. TWO WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES, EXCEPT FOR A PERIOD NOT TO EXCEED 30 CONSECUTIVE CALENDAR DAYS, THROUGH TRAFFIC WILL BE DETOURED AS SHOWN ON SHEET 86. STRUCTURE MED-301-0677 AND MED-301-0701 SHALL NOT BE CLOSED AT THE SAME TIME.

THE CONTRACTOR SHALL NOTIFY THE O.D.O.T. DISTRICT THREE ROADWAY SERVICES MANAGER, IN WRITING, A MINIMUM OF FOURTEEN (14) DAYS IN ADVANCE OF THE DATE THE DETOUR IS NEEDED. THE STATE OF OHIO WILL INSTALL, MAINTAIN AND SUBSEQUENTLY REMOVE THE DETOUR SIGNING.

THIS ROADWAY SHALL BE OPENED BY OCTOBER 15, 2006. THIS DATE SHALL BE CONSIDERED AS AN INTERIM COMPLETION DATE (SECTION 108) AND FOR EACH CALENDAR DAY BEYOND THE OCTOBER 15, 2006 DATE THAT THE ROADWAY REMAINS CLOSED TO TRAFFIC, THE CONTRACTOR WILL BE ASSESSED LIQUIDATED DAMAGES, AS PER SECTION 108.07 OF THE CONSTRUCTION AND MATERIALS SPECIFICATIONS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING, INSTALLING, MAINTAINING AND REMOVING THE GATES AND BARRICADES AT THE APPROXIMATE WORK LIMITS OF THE PROJECT, AND THE ADVANCE WARNING SIGNS AS SHOWN ON STANDARD CONSTRUCTION DRAWING MT-101.60.

THE 105 CONSECUTIVE CALENDAR DAYS SHALL BE CONSIDERED AS AN INTERIM COMPLETION DATE (SECTION 108) AND FOR EACH CALENDAR DAY BEYOND THE 105 DAYS THAT THE ROADWAY REMAINS CLOSED TO TRAFFIC, THE CONTRACTOR WILL BE ASSESSED LIQUIDATED DAMAGES, AS PER SECTION 108.07 OF THE CONSTRUCTION AND MATERIALS SPECIFICATIONS.

ACCESS TO ADJACENT PROPERTIES SHALL BE MAINTAINED AT ALL TIMES AS PER 614.02 (a).

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

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MED-301-0.00
LOR-301-0.00

STRUCTURE GENERAL NOTES

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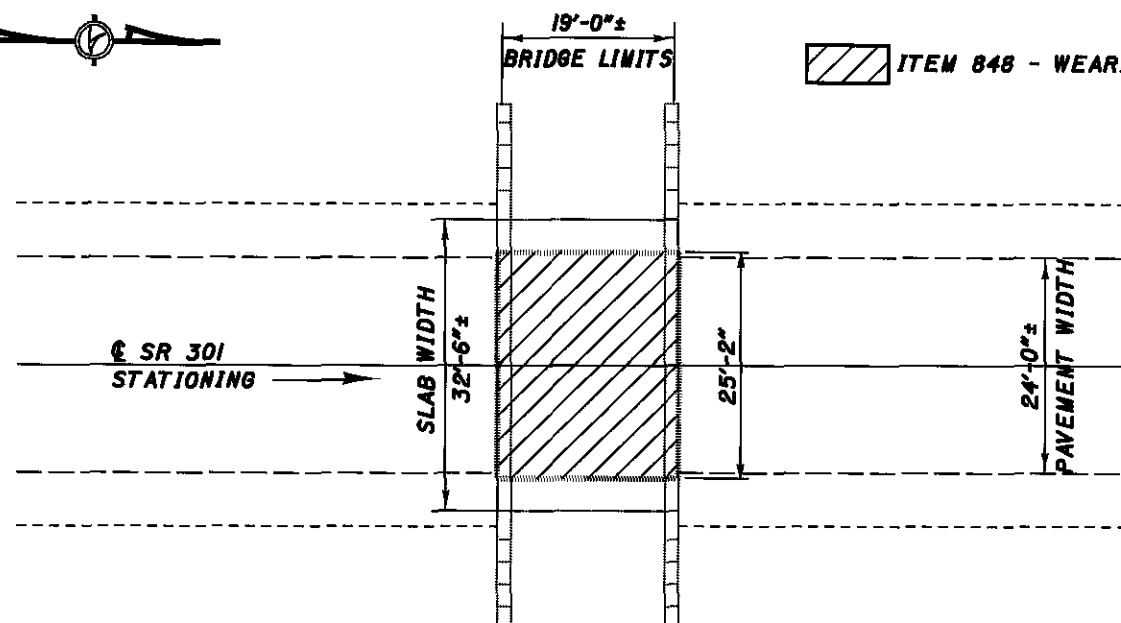
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DISTRICT 3
OFFICE OF PRODUCTION

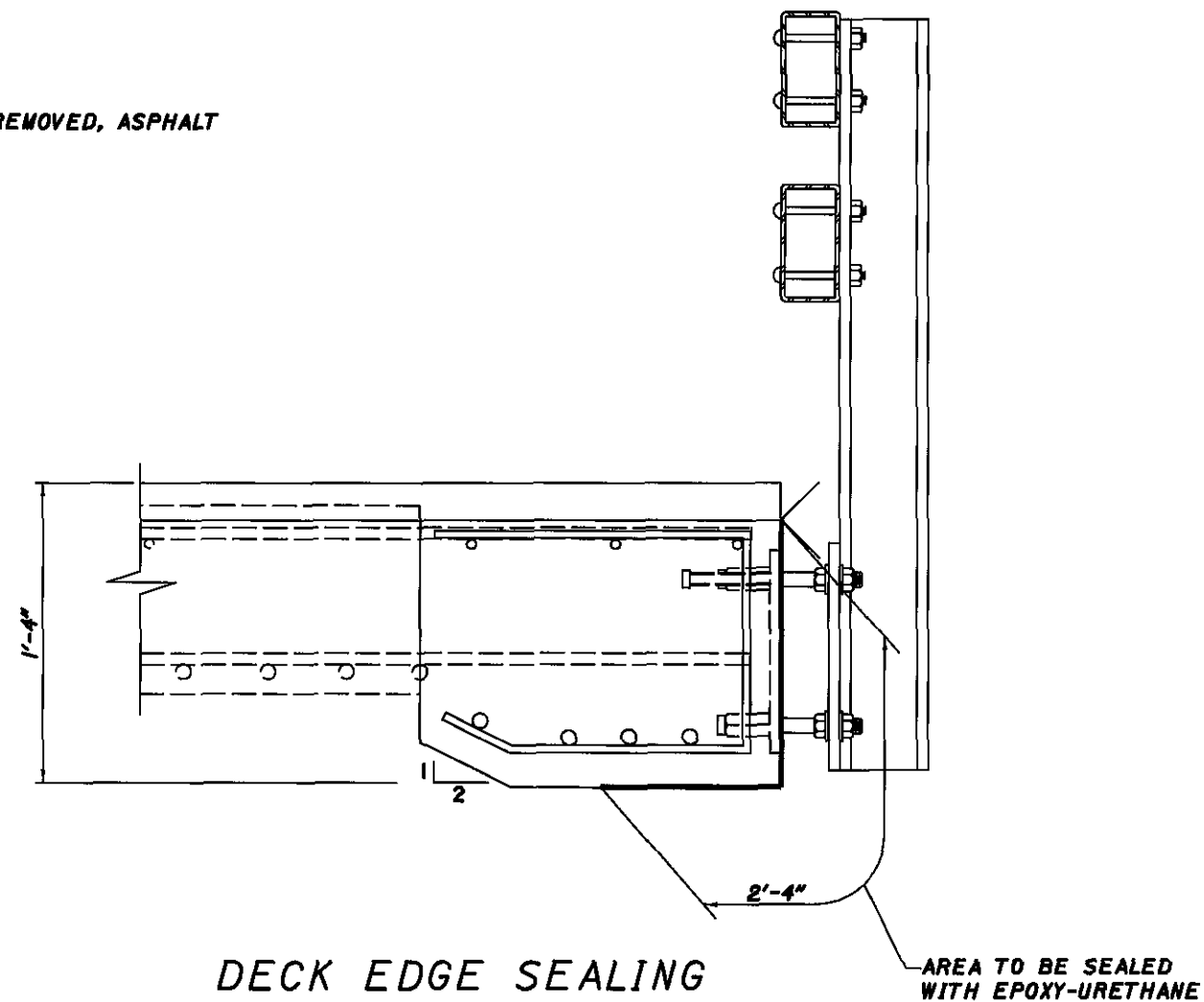
BRIDGE DECK DATA									ROADWAY DATA		
PART	COUNTY, ROUTE, BRIDGE NO.	LOCATION	STRUCTURE TYPE	LENGTH (BRIDGE DECK)	WIDTH	BRIDGE DECK AREA	SKEW	EXISTING WEARING SURFACE	EXISTING PAVEMENT WIDTH	EXISTING APPROACH SLAB WIDTH	EXISTING APPROACH SLAB LENGTH
				FT.	FT.	SQ. YD.			FT.	FT.	FT.
A	+ MED-301-0110 (SLM=1.10)	OVER SMALL CREEK	3-SIDED CONCRETE SLAB TOP CULVERT	18.5			0°	ASPHALT	20		
A	• MED-301-0337 (SLM=3.37)	OVER BRANCH OF BLACK RIVER AND CSX RAILROAD	4-SPAN STEEL BEAM	238.68	28	743	15°-48°-30" L.F.	CONCRETE	24	20	25
A	++ MED-301-0548 (SLM=5.48)	OVER SMALL STREAM	TWIN CORRUGATED METAL PIPES				20°	ASPHALT	24		
A	• MED-301-0624 (SLM=6.24)	OVER SMALL STREAM	SIMPLE SPAN CONCRETE SLAB	19.0	32.5	69	0°	CONCRETE	24		
A	• MED-301-0701 (SLM=7.01)	OVER COON CREEK	3-SPAN CONCRETE SLAB	86.25	32.5	311	30° R.F.	CONCRETE	20	20	25
A	+ MED-301-0821 (SLM=8.21)	OVER DRAINAGE DITCH	CORRUGATED METAL BOX				32° R.F.	ASPHALT	31		
A	•• MED-301-0988 (SLM=9.88)	OVER RUDD CREEK	3-SPAN CONCRETE SLAB	67.72	40	301	23° R.F.	CONCRETE	26		
B	• LOR-301-0015 (SLM=0.15)	OVER TRIBUTARY OF EAST FORK OF BLACK RIVER	SIMPLE SPAN CONCRETE SLAB	17	36	68	10° L.F.	CONCRETE	24	20	25
B	• LOR-301-0164 (SLM=1.64)	OVER CREEK	2-SPAN CONCRETE SLAB	66.50	40	296	0°	CONCRETE	24	24	20
B	••• LOR-301-0894 (SLM=8.94)	OVER TRIBUTARY OF KINGS DITCH	3-SIDED CONCRETE SLAB TOP CULVERT				0°	ASPHALT	24		
B	••• LOR-301-0919 (SLM=9.19)	OVER TRIBUTARY OF KINGS DITCH	PRECAST 4-SIDED CONCRETE BOX				0°	ASPHALT	40		
B	+ LOR-301-0980 (SLM=9.67)	OVER KINGS DITCH	3-SIDED CONCRETE SLAB TOP CULVERT				0°	ASPHALT	24		
B	+ LOR-301-1086 (SLM=9.80)	OVER KINGS DITCH	PRECAST 4-SIDED CONCRETE BOX				0°	ASPHALT	40		
B	• LOR-301-1259 (SLM=12.41)	OVER USR 20	3-SPAN STEEL BEAM	221.46	71	1747	25° R.F.	CONCRETE	71	53	25

- PLANE AND PAVE UP TO STRUCTURE, AS PER BP-3.1. SUSPEND PAVING OPERATIONS AT THE STRUCTURE.
(SEE DETAILS IN PLAN FOR STRUCTURE WORK. SEE ROADWAY PLANS FOR PLANING AND PAVING QUANTITIES)
- PLANE AND PAVE UP TO STRUCTURE, AS PER BP-3.1. SUSPEND PAVING OPERATIONS AT THE STRUCTURE.
(NO STRUCTURE WORK. SEE ROADWAY PLANS FOR PLANING AND PAVING QUANTITIES)
- PLANE AND PAVE OVER STRUCTURE. (SEE DETAILS IN PLAN FOR STRUCTURE WORK. SEE ROADWAY PLANS FOR PLANING AND PAVING QUANTITIES)
- + PLANE AND PAVE OVER STRUCTURE. (NO STRUCTURE WORK. SEE ROADWAY PLANS FOR PLANING AND PAVING QUANTITIES)
- ++ PAVE OVER STRUCTURE. (SEE DETAILS IN PLAN FOR STRUCTURE REPLACEMENT WORK. SEE ROADWAY PLANS FOR PLANING AND PAVING QUANTITIES)

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WORKSTATION: sdeer DATE 2/16/2006



ITEM 848 - WEARING COURSE TO BE REMOVED, ASPHALT



DECK EDGE SEALING

AREA TO BE SEALED
WITH EPOXY-URETHANE

ITEM	QUANTITY	UNIT	DESCRIPTION
512	10	SQ YD	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)
848	69	SQ YD	MICRO SILICA MODIFIED CONCRETE OVERLAY USING HYDRODEMOLITION, AS PER PLAN (2 1/2" THICK)
848	60	SQ YD	SURFACE PREPARATION USING HYDRODEMOLITION
848	2	CU YD	MICRO SILICA MODIFIED CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY, AS PER PLAN
848	2	SQ YD	HAND CHIPPING
848	LUMP		TEST SLAB
848	1	CU YD	FULL-DEPTH REPAIR
848	69	SQ YD	EXISTING CONCRETE OVERLAY REMOVED (1 1/2" NOMINAL THICKNESS)
848	4	SQ YD	REMOVAL OF DEBONDED OR DETERIORATED EXISTING VARIABLE THICKNESS CONCRETE OVERLAY
848	53	SQ YD	WEARING COURSE REMOVED, ASPHALT

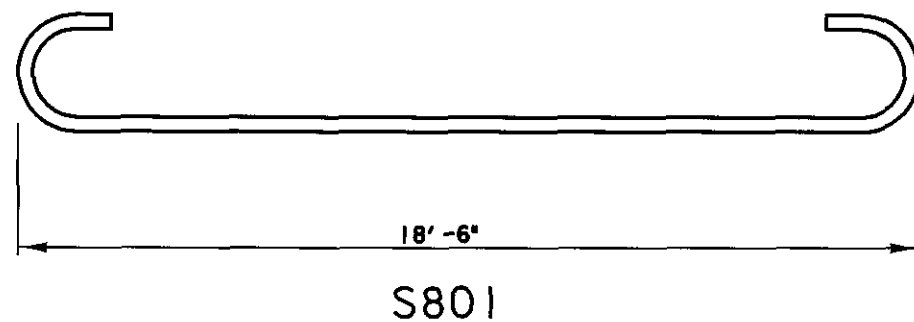
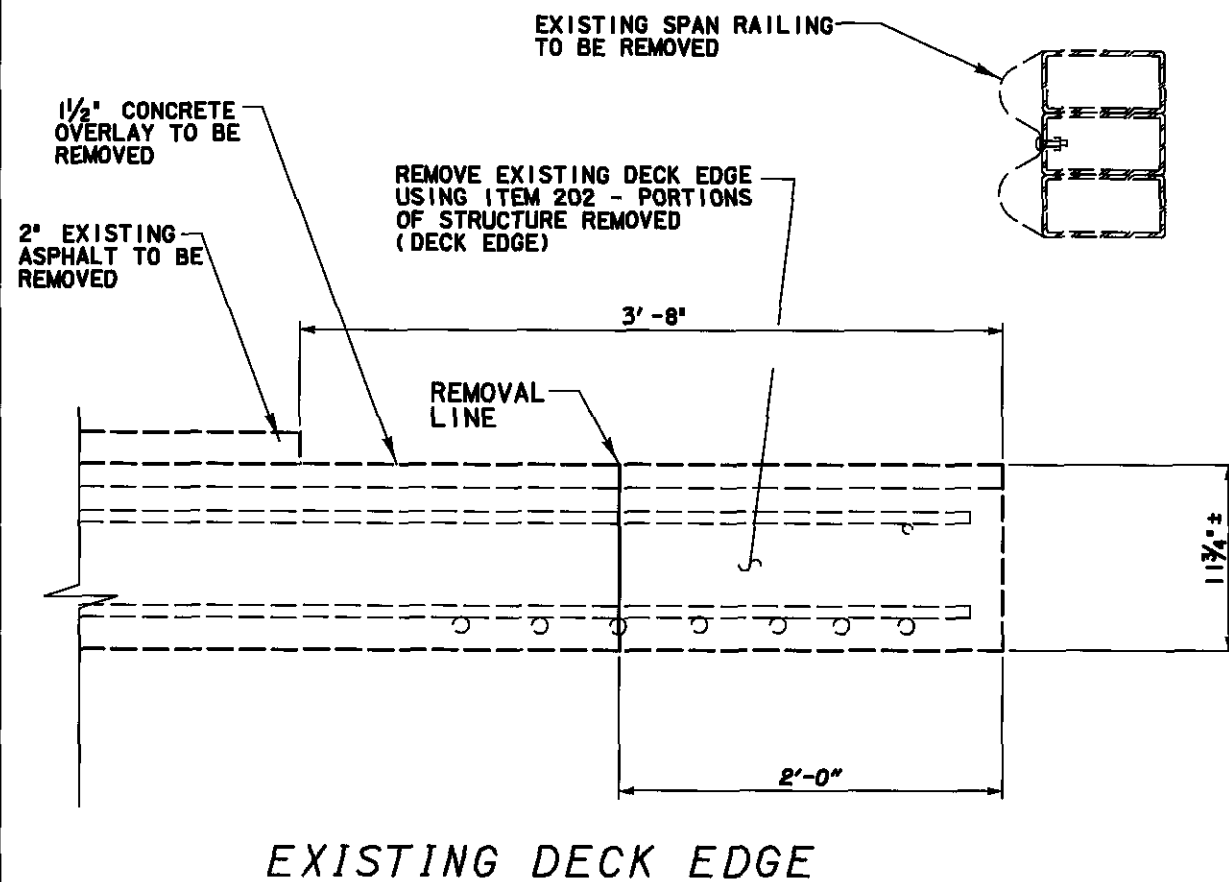
NOTES:

- 1) THE EXISTING GUARDRAIL IS NOT SHOWN.
- 2) THE PROPOSED OVERLAY ELEVATION SHALL MATCH THE EXISTING BRIDGE DECK ELEVATION.
- 3) SEE SHEET 2/3 FOR DECK EDGE REPLACEMENT
- 4) SEE SHEET 3/3 FOR WING WALL DETAILS.

QUANTITIES CARRIED TO STRUCTURE SUMMARY SHEET 80.

DESIGN AGENCY DISTRICT 3 OFFICE OF PRODUCTION	DATE 02/06	REVIEWED RDN	STRUCTURE FILE NUMBER 5207509
	DRAWN GTS	CHECKED DJV	REVISED
PLAN VIEW MED-301-0624 OVER SMALL STREAM			
MED-301-0.00		LOR-301-0.00	
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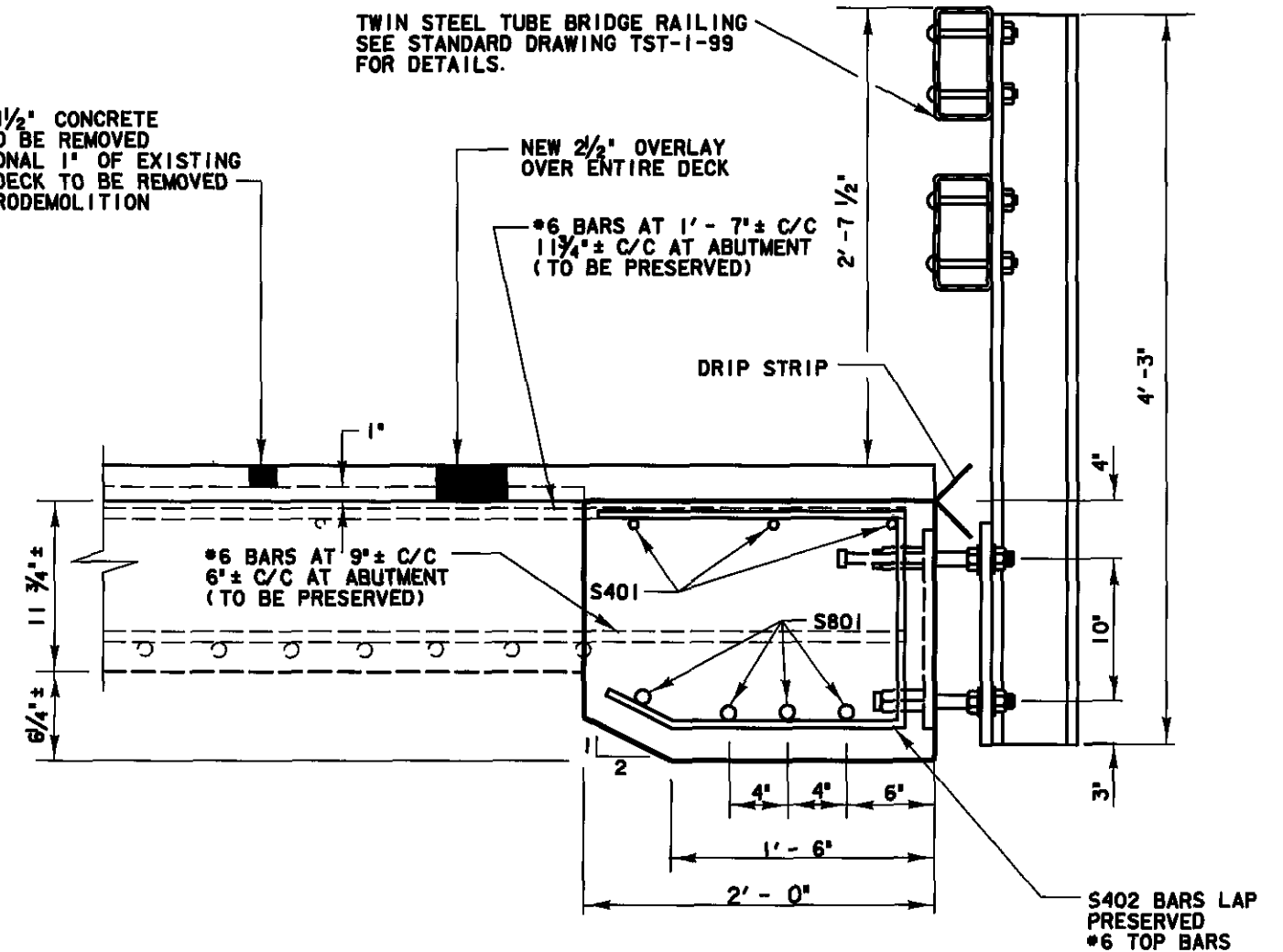
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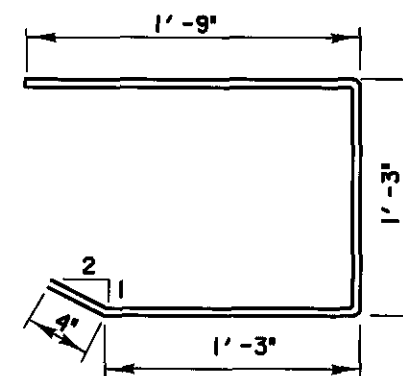
ITEM	QUANTITY	UNIT	DESCRIPTION
202	2.4	CU YD	PORTIONS OF STRUCTURE REMOVED
202	50	FT	BRIDGE RAILING REMOVED
509	590	POUND	EPOXY COATED REINFORCING STEEL
511	4.2	CU YD	CLASS S CONCRETE, SUPERSTRUCTURE, AS PER PLAN
517	50.83	FT	RAILING (TWIN STEEL TUBE)
SPECIAL	43	FT	STEEL DRIP STRIP

ALL QUANTITIES CARRIED TO STRUCTURE SUMMARY SHEET 80.

EXISTING 1 1/2" CONCRETE OVERLAY TO BE REMOVED
AN ADDITIONAL 1" OF EXISTING CONCRETE DECK TO BE REMOVED USING HYDRODEMOLITION



DECK EDGE REPLACEMENT



S402

DECK LENGTH = 19'-0"
SKEW = 0°

REINFORCING TABLE				
MARK	NUMBER	LENGTH	WEIGHT (LBS)	TYPE
S401	6	18'-6"	74	S
S402	28	4'-5"	82	B
S801	8	20'-4"	434	B
TOTAL			590	

DISTRICT J
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DATE: 02/06
RDN: 3207509

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DECK EDGE REPLACEMENT
MED-301-0624
OVER SMALL STREAM

MED-301-0.00
LOR-301-0.00

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WORKSTATION *sdeer* DATE 2/16/2006



PARTIAL ELEVATION OF WINGWALL

LEGEND

EF = EACH FACE

ITEM	QUANTITY	UNIT	DESCRIPTION
202	2.07	CU YD	PORTIONS OF STRUCTURE REMOVED
509	88	POUND	EPOXY COATED REINFORCING STEEL
511	1.81	CU YD	CLASS C CONCRETE, ABUTMENT, AS PER PLAN
516	9	SQ FT	1/2" PREFORMED EXPANSION JOINT FILLER

ALL QUANTITIES CARRIED TO STRUCTURE SUMMARY SHEET 80.

REINFORCING TABLE				
MARK	NUMBER	LENGTH	WEIGHT (LBS)	TYPE
W501	16	5' - 3"	88	STRAIGHT
		TOTAL	88	

**DISTRICT 3
OFFICE OF PRODUCTION**

REGISTERED DATE
 RDN 02/06
 FUNCTIONAL FILE NUMBER
 5207509

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DJV	85/7/820

**WINGWALL REPLACEMENT
NEO-301-0624
OVER SMALL STREAM**

MED-301-0.00
LOR-301-0.00

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