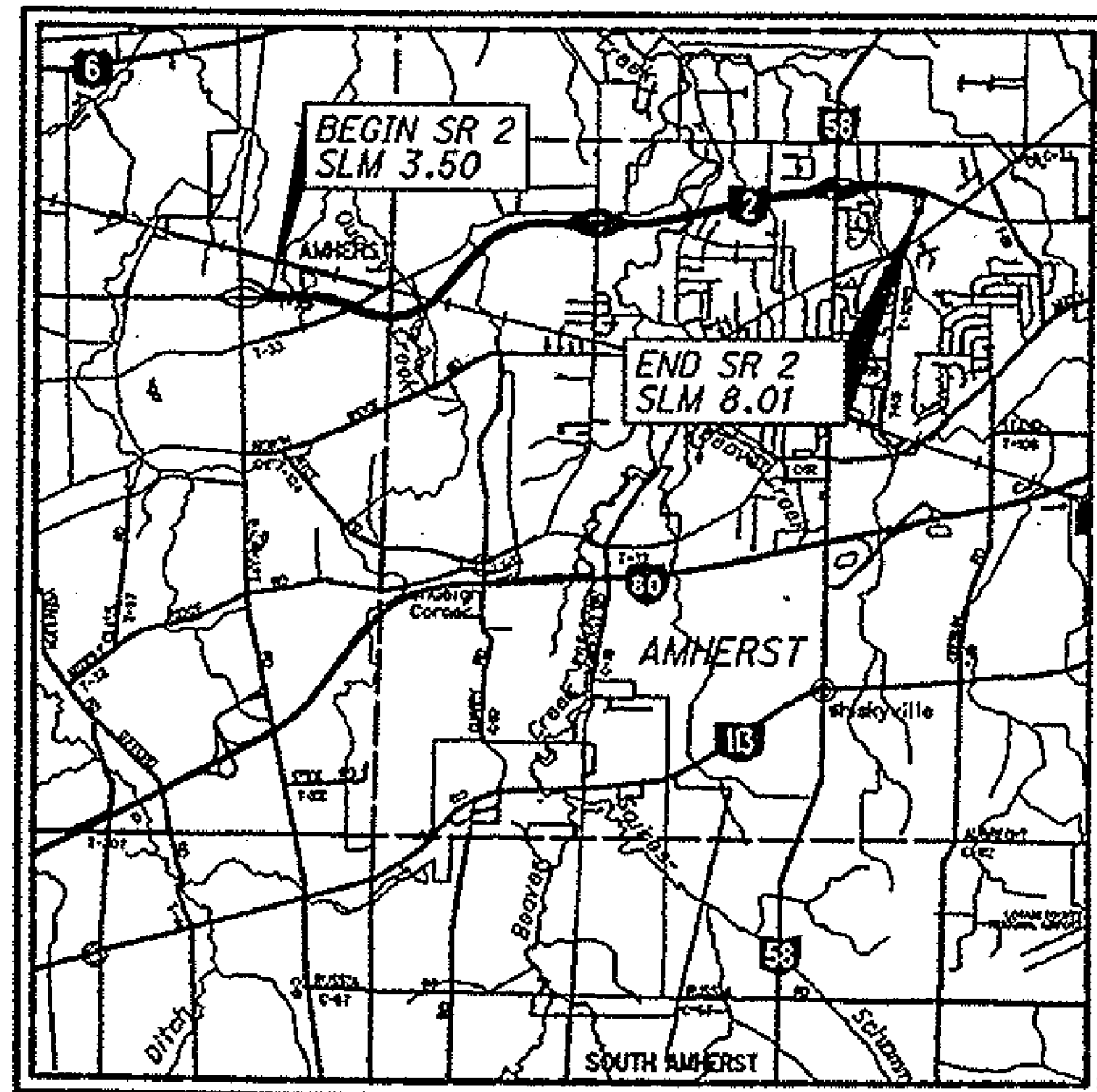


STATE OF OHIO  
DEPARTMENT OF TRANSPORTATION

# LOR-2-3.50

## CITY OF AMHERST AMHERST TOWNSHIP BROWNHELM TOWNSHIP



LOCATION MAP

LATITUDE: 41°24'13" LONGITUDE: 82°16'24"



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

DESIGN DESIGNATION	3.82-5.86	5.86-7.42	7.42-8.10
CURRENT ADT (2009)	31560	38600	45900
DESIGN YEAR ADT (2021)	35360	41720	48070
DESIGN HOURLY VOLUME (2021)	3890	4590	5290
DIRECTIONAL DISTRIBUTION	0.60	0.58	0.60
TRUCKS (24 HOUR B&C)	0.14	0.11	0.10
DESIGN SPEED	65	65	65
LEGAL SPEED	65	65	65
DESIGN FUNCTIONAL CLASSIFICATION:	URBAN FREEWAY & EXPRESSWAY		

DESIGN EXCEPTIONS: NONE REQUIRED

INDEX OF SHEETS:

TITLE	1
DESIGN DESIGNATION	1
SCHEMATIC PLAN	2
MAINLINE & RAMPS PAVING LIMITS	3-5
TYPICAL SECTIONS	6-9
GENERAL NOTES	10-11
MAINTENANCE OF TRAFFIC NOTES	12-14
RAMP DETOUR MAPS	15-16
DROP OFFS IN WORK ZONES	17
PAVEMENT TRANSITIONING DETAILS	18
GENERAL SUMMARY	19-20
PAVEMENT & SHOULDER DATA	21-23
BARRIER REFLECTOR SUB-SUMMARY	24
PAVEMENT MARKING SUB-SUMMARY	25
RAISED PAVEMENT MARKING SUB-SUMMARY	26
STRUCTURE SUMMARY	27-28
STRUCTURE GENERAL NOTES	29-30
STRUCTURE INFORMATION	31
STRUCTURE DETAILS	32-40

PROJECT DESCRIPTION

RESURFACING INCLUDING PAVEMENT PLANING, PAVEMENT REPAIRS, TRAFFIC CONTROL ITEMS, AND STRUCTURE MAINTENANCE.

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

LIMITED ACCESS

THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR IN ACCORDANCE WITH THE PROVISIONS OF SECTION 5511.02 OF THE OHIO REVISED CODE.

2008 SPECIFICATIONS

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 NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY, EXCEPT FOR RAMP CLOSURES AS SHOWN ON THE MAINTENANCE OF TRAFFIC SHEETS, AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

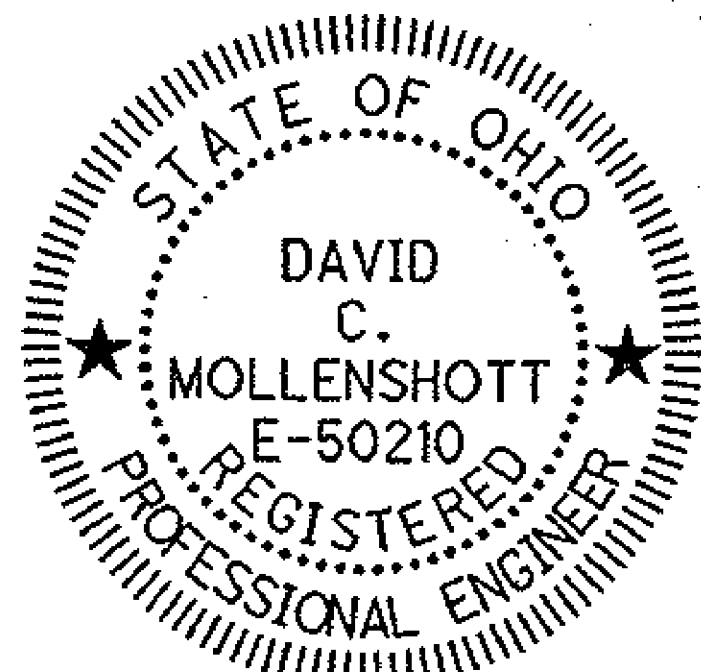
UNDER AUTHORITY OF SECTION 4511.21, DIVISION (H) OF THE OHIO REVISED CODE, THE REVISED PRIMA FACIA SPEED LIMITS AS INDICATED HEREIN ARE DETERMINED TO BE REASONABLE AND SAFE, AND ARE HEREBY ESTABLISHED FOR THE DURATION OF THIS PROJECT. THE PRIMA FACIA SPEED LIMIT OR LIMITS HEREBY ESTABLISHED SHALL BECOME EFFECTIVE WHEN APPROPRIATE SIGNS GIVING NOTICE THEREOF ARE ERECTED.

APPROVED: John Hart, P.E.  
DATE: 10/20/08 DISTRICT DEPUTY DIRECTOR

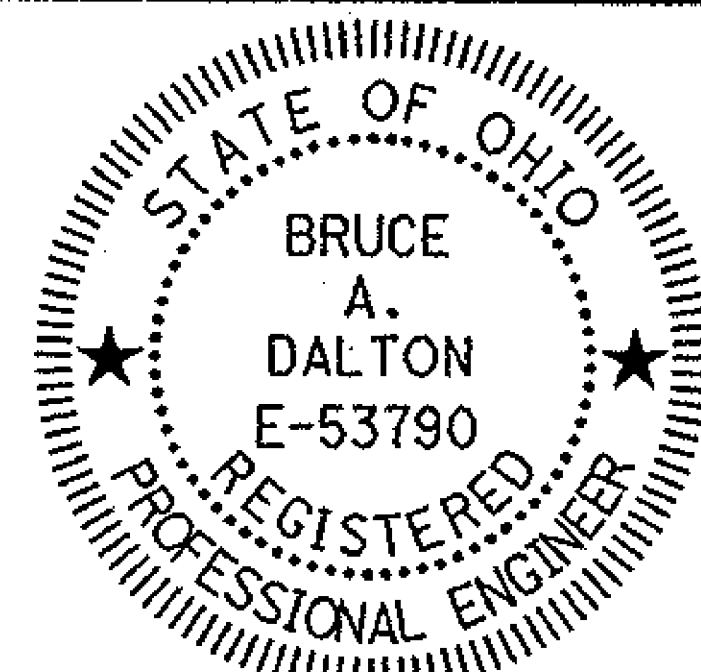
APPROVED: Jane Burdette  
DATE: 10/30/08 DIRECTOR, DEPARTMENT OF TRANSPORTATION

STRUCTURE/CULVERT ENGINEERS SEAL:

ROADWAY ENGINEERS SEAL:



SIGNED: David C. Mollenshott  
DATE: 10/20/08



SIGNED: Bruce A. Dalton  
DATE: 10/20/08

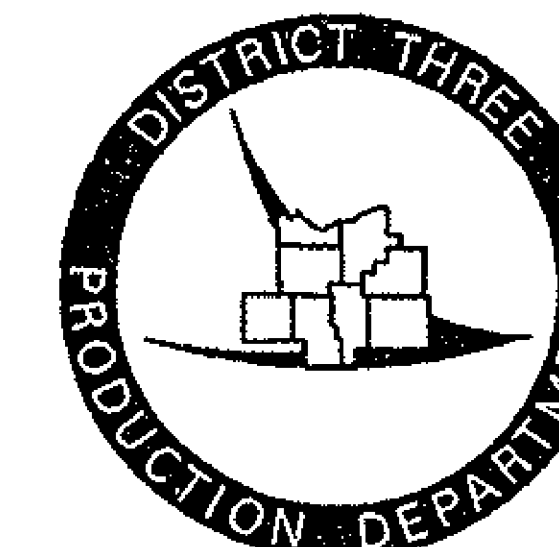
STANDARD CONSTRUCTION DRAWINGS

NO.	DATE	TITLE	NO.	DATE	TITLE	SUPPLEMENTAL SPECIFICATIONS
BP-2.1	07/18/08	MT-35.10 04/20/01	TC-41.20	01/19/01		800-2008 07/18/08
BP-2.5	07/18/08	MT-95.30 09/05/06	TC-42.20	07/16/04		
BP-3.1	10/19/07	MT-95.31 09/05/06	TC-52.10	01/19/07		832 04/25/06
BP-9.1	04/15/05	MT-95.32 09/05/06	TC-52.20	01/19/07		SA-7 04/15/05
		MT-95.50 09/05/06	TC-65.10	01/21/05		
DM-4.3	07/19/02	MT-97.10 09/05/06	TC-65.11	01/21/05		
DM-4.4	07/19/02	MT-98.10 10/19/07	TC-71.10	01/19/07		
		MT-98.11 10/19/07	TC-72.20	01/21/05		
		MT-98.20 10/19/07	TC-73.10	01/19/01		
		MT-98.22 10/19/07				
		MT-98.28 10/19/07				
		MT-98.29 10/19/07				
		MT-99.20M 01/30/95				
		MT-101.60 09/05/06				SP 832 05/20/08
		MT-105.10 10/18/02				
		MT-105.11 10/18/02				

SPECIAL PROVISIONS

UNDERGROUND UTILITIES  
TWO WORKING DAYS  
BEFORE YOU DIG  
CALL 1-800-362-2764 (TOLL FREE)  
OHIO UTILITIES PROTECTION SERVICE  
NON-MEMBERS  
MUST BE CALLED DIRECTLY

PLAN PREPARED BY:



FEDERAL PROJECT NO. E033(731)  
PID NO. 23799  
CONSTRUCTION PROJECT NO. NONE  
RAILROAD INVOLVEMENT NONE  
LOR-2-3.50  
1/40

LOR-2-0649 SFN 4700155

ITEM	EXTENSION	QUANTITY	UNIT	DESCRIPTION	REFERENCE SHEET
512	10300	875	SQ YD	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN	

LOR-2-0699 SFN 4700244

ITEM	EXTENSION	QUANTITY	UNIT	DESCRIPTION	REFERENCE SHEET
512	10300	1074	SQ YD	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN	

LOR-2-0742L SFN 4700279

ITEM	EXTENSION	QUANTITY	UNIT	DESCRIPTION	REFERENCE SHEET
254	01000	1284	SQ YD	PAVEMENT PLANING, ASPHALT CONCRETE	
407	10000	153	GALLON	TACK COAT	
442	20200	75	CU YD	ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE A (448)	
615	10000	LUMP		ROADS FOR MAINTAINING TRAFFIC	
615	20001	243	SQ YD	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN	
847	10201	580	SQ YD	SUPERPLASTICIZED DENSE CONCRETE OVERLAY, AS PER PLAN (2 1/2 INCH THICK)	26, 27
847	20201	16	CU YD	SUPERPLASTICIZED DENSE CONCRETE OVERLAY (VARIABLE THICKNESS), AS PER PLAN	26, 27
847	30000	LUMP		TEST SLAB	
847	30401	580	SQ YD	EXISTING CONCRETE OVERLAY REMOVED, AS PER PLAN (2 1/2 INCH NOMINAL THICKNESS)	26

LOR-2-0742R SFN 4700309

ITEM	EXTENSION	QUANTITY	UNIT	DESCRIPTION	REFERENCE SHEET
254	01000	934	SQ YD	PAVEMENT PLANING, ASPHALT CONCRETE	
407	10000	94	GALLON	TACK COAT	
442	20200	46	CU YD	ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE A (448)	
847	10201	290	SQ YD	SUPERPLASTICIZED DENSE CONCRETE OVERLAY, AS PER PLAN (2 1/2 INCH THICK)	26, 27
847	20201	8	CU YD	SUPERPLASTICIZED DENSE CONCRETE OVERLAY (VARIABLE THICKNESS), AS PER PLAN	26, 27
847	30000	LUMP		TEST SLAB	
847	30401	290	SQ YD	EXISTING CONCRETE OVERLAY REMOVED, AS PER PLAN (2 1/2 INCH NOMINAL THICKNESS)	26

DESIGN AGENCY  
DISTRICT THREE  
OFFICE OF PRODUCTION

DATE  
9/08  
REVIEWED  
RDN

DRAWN  
DCM  
DESIGNED  
DCM  
CHECKED  
DJV

STRUCTURE SUMMARY

LOR-2-3.50

**STANDARD DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS:**

REFER TO THE FOLLOWING SUPPLEMENTAL SPECIFICATION:

847 DATED 4/15/05

**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.

BASE CONTRACT BID PRICES UPON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PREBID EXAMINATION OF THE EXISTING STRUCTURES. HOWEVER, THE DEPARTMENT WILL PAY FOR ALL PROJECT WORK BASED UPON ACTUAL DETAILS AND DIMENSIONS THAT HAVE BEEN VERIFIED BY THE CONTRACTOR IN THE FIELD.

**DESIGN SPECIFICATIONS:**

THIS STRUCTURE CONFORMS TO "STANDARD SPECIFICATION FOR HIGHWAY BRIDGES" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 2002, INCLUDING THE 2003, 2004, 2005 AND 2006 SPECIFICATIONS AND THE ODOT BRIDGE DESIGN MANUAL.

**DECK PROTECTION METHOD:**

SUPERPLASTICIZED DENSE CONCRETE OVERLAY

HMWM RESIN SEALING

**EXISTING PLANS:**

THE ORIGINAL CONSTRUCTION PLANS OF THE EXISTING BRIDGES ARE AVAILABLE UPON REQUEST AT THE DISTRICT 3 OFFICE OF THE OHIO DEPARTMENT OF TRANSPORTATION, ASHLAND, OH.

STRUCTURE #	PLAN NAME	DATE
LOR-2-0459 L&R	LOR-2-3.31	1964
	LOR-2-3.50	1994
LOR-2-0586	LOR-2-5.86	1976
	LOR-2-3.50	1994
LOR-2-0646 L&R	LOR-2-3.31	1964
	LOR-2-3.50	1994
LOR-2-0649	LOR-2-3.31	1964
	LOR-2-3.50	1994
LOR-2-0699	LOR-2-3.31	1964
	LOR-2-3.50	1994
LOR-2-0742 L&R	LOR-2-3.31	1964
	LOR-2-3.50	1994

**PLACING ASPHALT CONCRETE FEATHERING ON APPROACHES TO BRIDGES:**

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

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

THE PAVEMENT FOR MAINTAINING TRAFFIC SHALL BE LEFT IN PLACE. THE PLANING AND RESURFACING OF THE EXISTING BERM ARE INCIDENTAL TO THIS ITEM.

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

**ITEM 847 - EXISTING CONCRETE OVERLAY REMOVED, AS PER PLAN (2 1/2" NOMINAL THICKNESS):**

THIS ITEM SHALL BE USED TO REMOVE THE EXISTING OVERLAY AS PER DETAILS IN THE PLAN.

THE THICKNESS OF THE EXISTING CONCRETE OVERLAY TO BE REMOVED SHALL BE AS SPECIFIED IN THE PLANS.

THE EXISTING OVERLAY SHALL BE SAW CUT 1/2" DEEP AT THE LOCATIONS SHOWN IN THE PLAN.

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 847 - SUPERPLASTICIZED DENSE CONCRETE OVERLAY, AS PER PLAN (2 1/2" THICK):**

**ITEM 847 - SUPERPLASTICIZED DENSE CONCRETE OVERLAY (VARIABLE THICKNESS), AS PER PLAN:**

THESE ITEMS SHALL BE APPLIED TO THE PASSING LANE OF THE DECK AT STRUCTURE LOR-2-0742R AND THE DRIVING AND PASSING LANES OF THE DECK AT STRUCTURE LOR-2-0742L.

THESE ITEMS SHALL BE PERFORMED PER SUPPLEMENTAL SPECIFICATION " BRIDGE DECK REPAIR AND OVERLAY WITH CONCRETE USING SCARIFICATION AND CHIPPING" WITH THE FOLLOWING REVISIONS:

THE THICKNESS OF THE EXISTING CONCRETE OVERLAY REMOVED AND PROPOSED OVERLAY SHALL BE AS SPECIFIED IN THE PLANS.

ALL COARSE AGGREGATE SHALL HAVE AN ABSORPTION OF 1.00% OR GREATER AS DEFINED BY ASTM C-127.

( CONTINUED)

DESIGN FILE: I:\projects\237998\Structure\strnotes.dgn  
WORKSTATION: kcaloy DATE: 10/17/2008

DESIGN AGENCY  
DISTRICT THREE  
OFFICE OF PRODUCTION

DATE  
9/08  
REVISED  
RDN  
STRUCTURAL FILE NUMBER

DCM  
DCM  
REVISED

DCM  
DCM  
CHECKED  
DJV

GENERAL NOTES

LOR-2-3.50

( CONTINUED)

**ITEM 847 - SUPERPLASTICIZED DENSE CONCRETE OVERLAY, AS PER PLAN (2 1/2" THICK):**

**ITEM 847 - SUPERPLASTICIZED DENSE CONCRETE OVERLAY (VARIABLE THICKNESS), AS PER PLAN:**

IN ADDITION TO THE ABOVE REQUIREMENTS, THE FOLLOWING REVISIONS SHALL APPLY:

(SEE 847.17) THE REMOVAL OPERATIONS SHALL NOT BEGIN IF SUSTAINED RAINS ( 5 HOURS OR MORE WITH BREAKS BETWEEN SHOWERS LESS THAN 1/2 HOURS) ARE PREDICTED WITHIN 48 HOURS OF COMMENCEMENT.

(SEE 847.18) THE FINAL DECK SOUNDING MAY TAKE PLACE WITHIN 24 HOURS OF A RAIN, AND THE DECK DOES NOT HAVE TO BE COMPLETELY DRY.

(SEE 847.19) FULL DEPTH REPAIR IS NOT REQUIRED IF LESS THAN ONE HALF OF THE ORIGINAL DECK CONCRETE THICKNESS IS SOUND.

(SEE 847.25) THE WET CURE TIME IS REDUCED FROM 72 HOURS TO 24 HOURS OR UNTIL A BEAM BREAK OF 600 PSI IS ACHIEVED, WHICHEVER IS GREATER. AFTER THE 24 HOUR WET CURE, THE FINISHED OVERLAY SURFACE SHALL BE CURED BY SPRAYING A UNIFORM APPLICATION OF CURING MATERIAL OF 705.07, TYPE 1 OR 1D, AS PER CMS 511.17 METHOD (B) MEMBRANE CURING. IF THE CURING COMPOUND CAN NOT BE PLACED WITHIN THE SAME SHORT TERM CLOSURE PERIOD AS THE OVERLAY, THE CONTRACTOR MAY ALLOW TRAFFIC ONTO THE OVERLAY, AND SHALL AT THE NEXT AVAILABLE SHORT TERM CLOSURE PERIOD, APPLY THE MEMBRANE CURING COMPOUND.

(SEE 847.25) TRAFFIC WILL NOT BE PERMITTED ON THE FINISHED OVERLAY SURFACE UNTIL AFTER THE COMPLETION OF THE 24 HOUR WET CURE, AND AFTER TWO TEST BEAMS HAVE ATTAINED AN AVERAGE MODULUS OF RUPTURE OF 600 PSI (4.2 Mpa).

(SEE 847.26) THE OVERLAY SURFACE EVAPORATION RATE REQUIREMENTS ARE IN EFFECT FROM 9:30 AM TO 11:00 PM. THEY ARE NOT IN EFFECT FROM 11:00 PM TO 9:30 AM.

(SEE 847.27) FOR EACH PHASE THE CONTRACTOR SHALL PROVIDE ENOUGH MATERIAL FOR TWO BEAM BREAKS EACH AT 12 HOURS, 24 HOURS, 36 HOURS, AND 48 HOURS. THE DEPARTMENT WILL PERFORM THE BEAM BREAK TESTS AND DOCUMENT THE TIME OF THE POUR, THE TIME OF THE BEAM BREAK TESTS, AND THE MODULUS OF RUPTURE FOR EACH BEAM UNTIL THE MODULUS OF RUPTURE OF THE TWO TESTS IS NOT LESS THAN 650 PSI (4.5 Mpa). TRAFFIC IS ALLOWED ON THE OVERLAY AT 600 PSI (4.2 Mpa).

ALL OTHER REQUIREMENTS OF THE SUPPLEMENTAL SPECIFICATION SHALL REMAIN IN EFFECT.

- 614 - MAINTAINING TRAFFIC FOR STRUCTURE LOR-2-0459L:**
- 614 - MAINTAINING TRAFFIC FOR STRUCTURE LOR-2-0459R:**
- 614 - MAINTAINING TRAFFIC FOR STRUCTURE LOR-2-0646L:**
- 614 - MAINTAINING TRAFFIC FOR STRUCTURE LOR-2-0646R:**

TWO LANES OF TRAFFIC SHALL BE MAINTAINED AT ALL TIMES EXCEPT DURING WORKING HOURS WHEN A LANE MAY BE CLOSED AS PER STANDARD CONSTRUCTION DRAWING MT-95.30.

NO EQUIPMENT OR MATERIAL SHALL BE LOCATED OTHER THAN BEHIND THE DRUMS.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH CMS 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.

- 614 - MAINTAINING TRAFFIC FOR STRUCTURE LOR-2-0742R:**
- 614 - MAINTAINING TRAFFIC FOR STRUCTURE LOR-2-0742L:**

TWO LANES OF TRAFFIC SHALL BE MAINTAINED AT ALL TIMES EXCEPT THAT THROUGH TRAFFIC ON THIS STRUCTURE SHALL HAVE A LANE CLOSURE AS PER STANDARD CONSTRUCTION DRAWING MT-95.30, FOR A MAXIMUM OF 59 CONSECUTIVE HOURS. THE 59 CONSECUTIVE HOURS SHALL BE CONSIDERED AS AN INTERIM COMPLETION DATE (SECTION 108) AND FOR EACH HOUR BEYOND THE 59 CONSECUTIVE HOURS THAT THE HIGHWAY REMAINS IN A SINGLE LANE, THE CONTRACTOR WILL BE ASSESSED LIQUIDATED DAMAGES IN THE AMOUNT OF \$960 PER HOUR.

THE CLOSURE SHALL ONLY OCCUR FROM 6:00 P.M. FRIDAY TO 5:00 A.M. MONDAY. NO WEEKEND CLOSURE SHALL OCCUR WHEN THE CLEVELAND BROWNS PLAY A HOME GAME.

NO EQUIPMENT OR MATERIAL SHALL BE LOCATED OTHER THAN BEHIND THE DRUMS.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH CMS 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.

- 614 - MAINTAINING TRAFFIC FOR STRUCTURE LOR-2-0586:**

TWO WAY TRAFFIC ON TOP OF THE STRUCTURE SHALL BE MAINTAINED AT ALL TIMES EXCEPT DURING WORKING HOURS WHEN ONE LANE MAY BE CLOSED USING FLAGGERS, AS PER STANDARD DRAWING MT-97.10.

TWO LANES OF TRAFFIC UNDER THE STRUCTURE SHALL BE MAINTAINED AT ALL TIMES EXCEPT DURING WORKING HOURS WHEN A LANE MAY BE CLOSED AS PER STANDARD CONSTRUCTION DRAWING MT-95.30.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH CMS 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.

- 614 - MAINTAINING TRAFFIC FOR STRUCTURE LOR-2-0649:**
- 614 - MAINTAINING TRAFFIC FOR STRUCTURE LOR-2-0699:**

TWO WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES EXCEPT DURING WORKING HOURS WHEN ONE LANE MAY BE CLOSED USING FLAGGERS, AS PER STANDARD DRAWING MT-97.10.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH CMS 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.

DESIGN FILE: i:\projects\237998\Structure\strnotes.dgn  
WORKSTATION: ksalay DATE: 10/20/2008

DESIGN ASPECT  
DISTRICT THREE  
OFFICE OF PRODUCTION

DATE  
9/08

REVIEWED  
RDN

DRAWN  
DCM

DESIGNED  
DCM

CHECKED  
DJV

GENERAL NOTES

LOR-2-3.50

30  
40

DESIGN FILE: i:\projects\23799\Struct\strinfor.dgn  
 WORKSTATION:ksalay DATE:10/17/2008

STRUCTURE FILE NO.	BRIDGE NO.	LOCATION	SKEW	BRIDGE LIMITS	DECK WIDTH	PROPOSED WORK
4700031	LOR-2-0459L	OVER RAILROAD & ROAD	35° 55' 02" R.F.	304'-4"±	38'-0"±	SEAL DECK & FACE OF PARAPETS
4700066	LOR-2-0459R	OVER RAILROAD & ROAD	35° 55' 02" R.F.	300'-0"±	38'-0"±	SEAL DECK & FACE OF PARAPETS
4700082	LOR-2-0586	UNDER OAK POINT ROAD	0°	174'-6"±	40'-0"±	SEAL DECK, SIDEWALK, PIER COLUMNS & PIER CAP
4700090	LOR-2-0646L	OVER BEAVER CREEK	20° 00' L.F.	105'-7"±	38'-0"±	SEAL DECK & FACE OF PARAPETS AND TOP OF WINGWALLS
4700120	LOR-2-0646R	OVER BEAVER CREEK	20° 00' L.F.	105'-7"±	38'-0"±	SEAL DECK & FACE OF PARAPETS AND TOP OF WINGWALLS
4700155	LOR-2-0649	UNDER KOLBE ROAD	36° 03' 45" R.F.	248'-7"±	32'-1"±	SEAL DECK
4700244	LOR-2-0699	UNDER TERRA LANE ROAD	6° 20' R.F.	219'-6"±	32'-0"±	SEAL DECK & SIDEWALK
4700279	LOR-2-0742L	OVER S.R. 58	8° 00' L.F.	177'-6"±	38'-2"±	CONCRETE OVERLAY
4700309	LOR-2-0742R	OVER S.R. 58	8° 00' L.F.	177'-6"±	38'-2"±	CONCRETE OVERLAY IN PASSING LANE ONLY
4700333	LOR-2-0761	OVER TRIB. OF BEAVER CREEK	9° 45' L.F.			NO WORK

DESIGN AGENCY  
 DISTRICT THREE  
 OFFICE OF PRODUCTION

DATE  
 9/08

REVIEWED  
 RDN

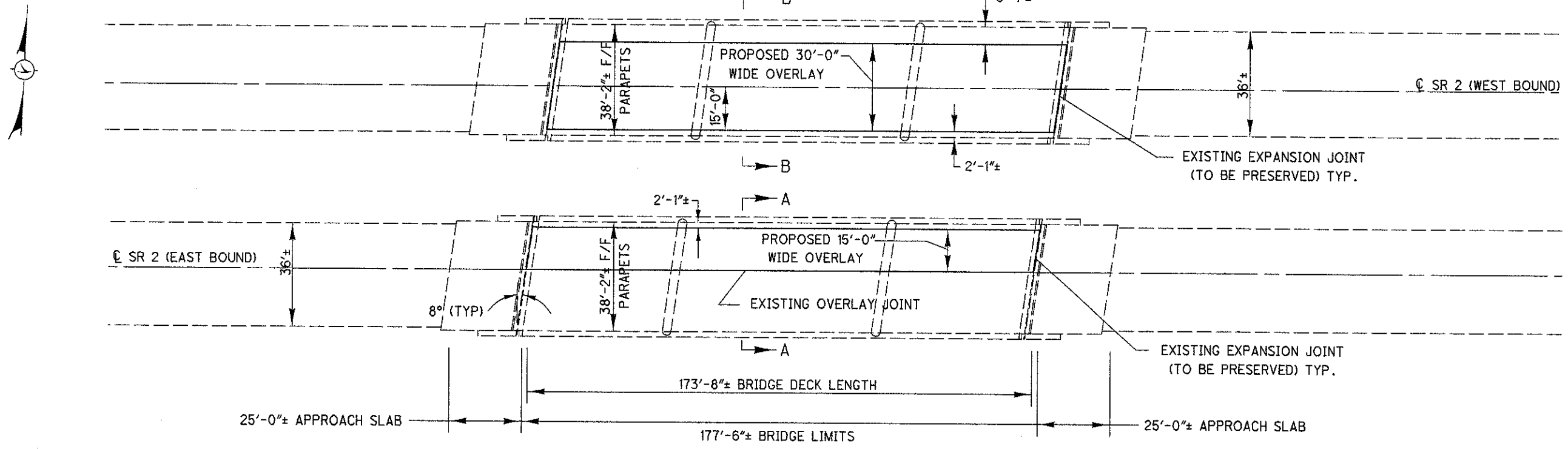
DRAWN  
 DCM

DESIGNED  
 DCM

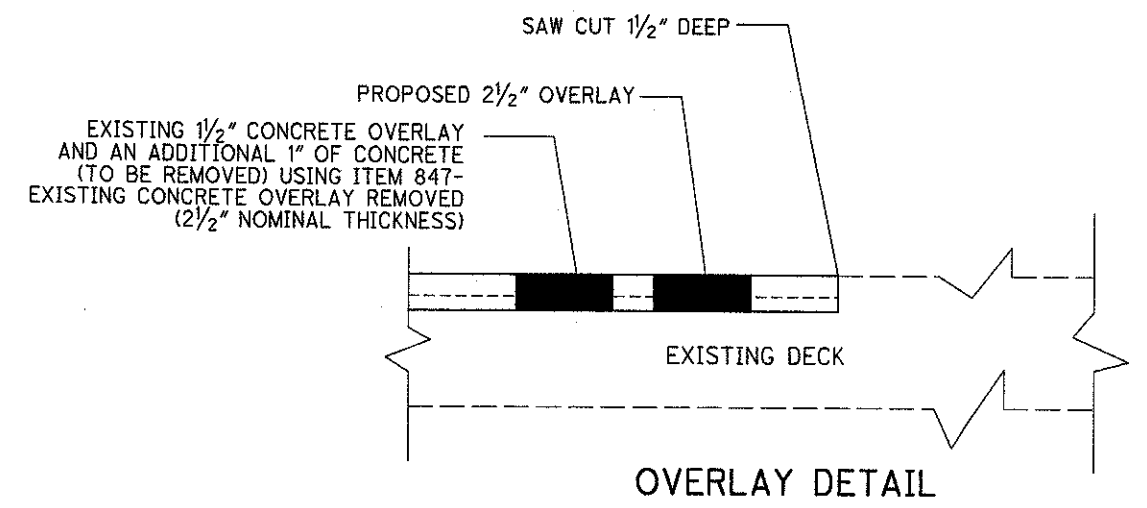
CHECKED  
 DJV

STRUCTURE INFORMATION

LOR-2-3.50



PLAN VIEW



OVERLAY DETAIL

ITEM	QUANTITY		UNIT	DESCRIPTION
	LOR-2-0742L	LOR-2-0742R		
847	580	290	SQ YD	SUPERPLASTICIZED DENSE CONCRETE OVERLAY, AS PER PLAN (2 1/2" THICK)
847	16	8	CU YD	SUPERPLASTICIZED DENSE CONCRETE OVERLAY (VARIABLE THICKNESS), AS PER PLAN
847	LUMP	LUMP		TEST SLAB
847	580	290	SQ YD	EXISTING CONCRETE OVERLAY REMOVED, AS PER PLAN (2 1/2" NOMINAL THICKNESS)

NOTES:

- 1) THE EXISTING APPROACH GUARDRAIL IS NOT SHOWN.
- 2) INSTALL PAVEMENT FOR MAINTAINING TRAFFIC AS SHOWN ON SHEET 3/4.
- 3) THE PROPOSED OVERLAY ELEVATION SHALL MATCH THE EXISTING OVERLAY ELEVATION AND CROSS SLOPE.
- 4) SAW CUT EXISTING OVERLAY 1/2" DEEP AS SHOWN IN SECTION A-A AND B-B ON SHEET 2/4. COST INCLUDED IN ITEM 847- EXISTING CONCRETE OVERLAY REMOVED, AS PER PLAN (2 1/2" NOMINAL THICKNESS). NEW OVERLAY SHALL BE PLACED BETWEEN THE SAW CUTS.
- 5) OVERLAY LENGTH SHALL BE FROM EXPANSION JOINT TO EXPANSION JOINT.

ALL QUANTITIES CARRIED TO STRUCTURE SUMMARY SHEET

DESIGN FILES\PROJECTS\23799\STRUCT\LOR20742.DGN  
WORKSTAT\REINLAY DATE: 01/17/2008

DESIGN AGENCY  
DISTRICT THREE  
OFFICE OF PRODUCTION

DATE  
9/08  
REVIEWED  
RDN  
STRUCTURE FILE NUMBER  
4700279 & 4700309

DRAWN  
DCM  
DESIGNED  
DCM  
CHECKED  
DJV

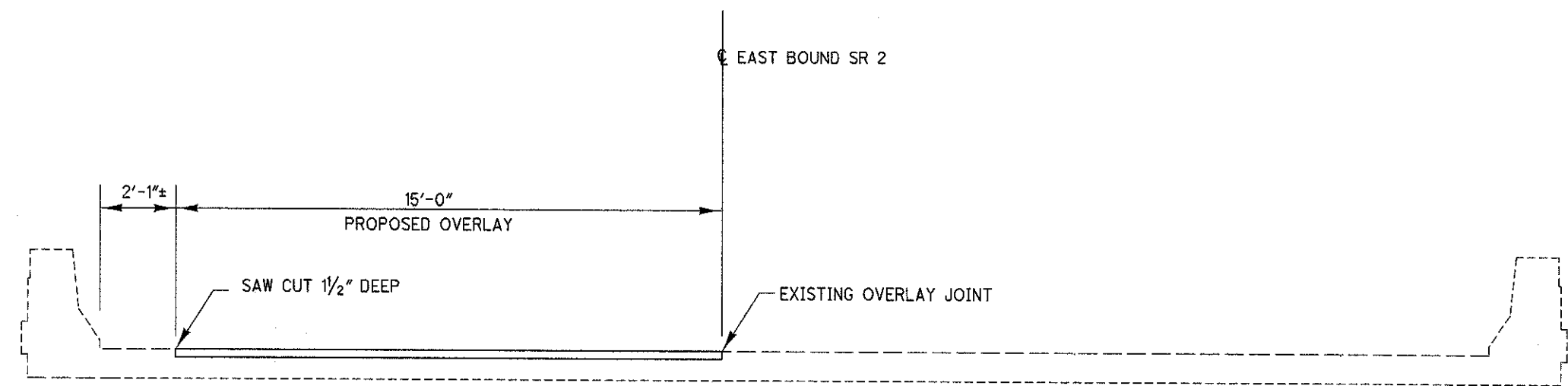
PLAN VIEW  
LOR-2-0742 L&R OVER S.R. 58

LOR-2-3.50

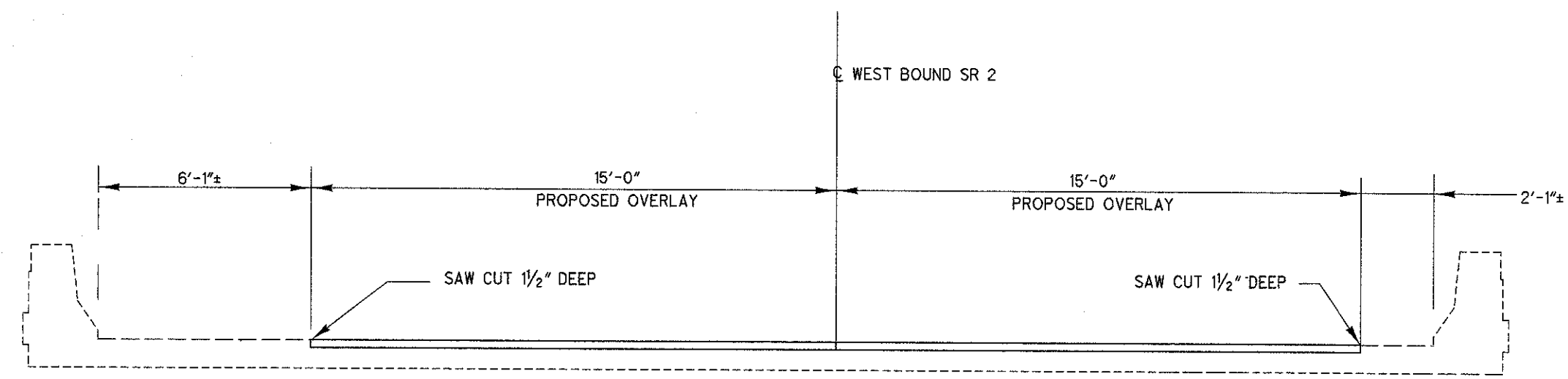
1 / 4

37  
40

DESIGN FILE: I:\projects\23799\Struct\LOR20742.DGN  
WORKSTATION:kstlay DATE:10/17/2008



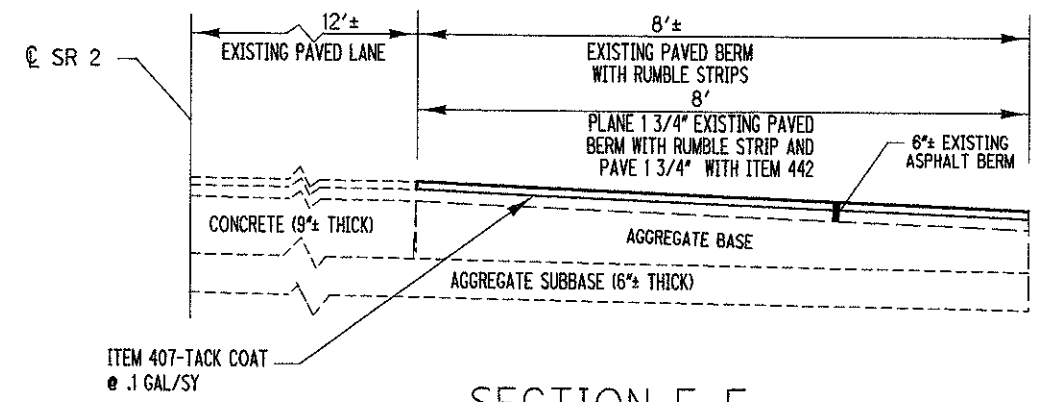
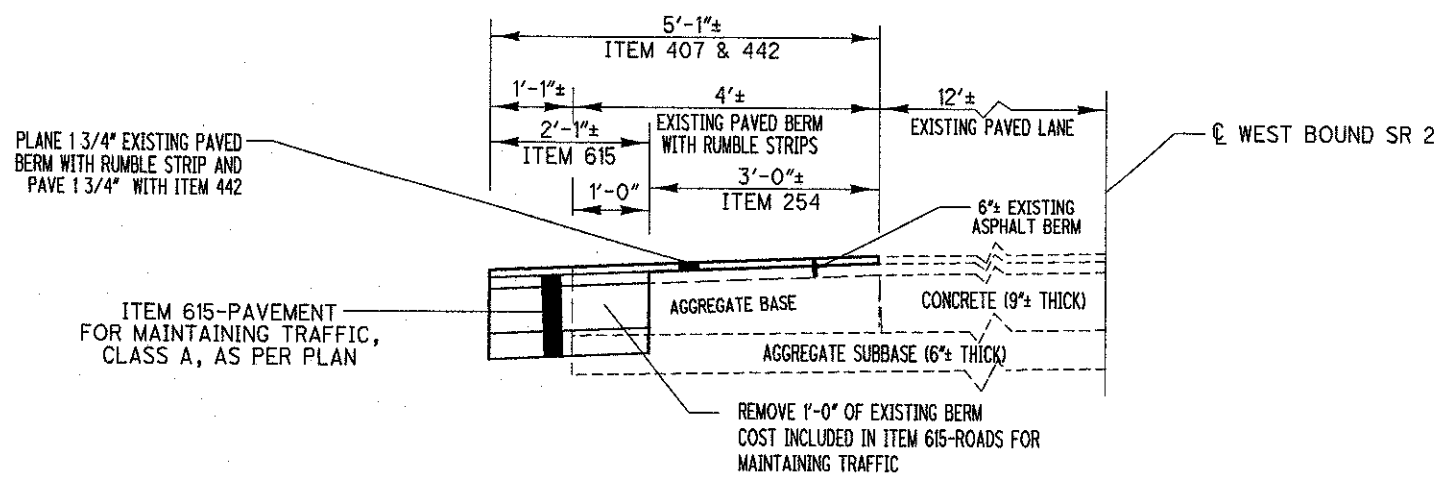
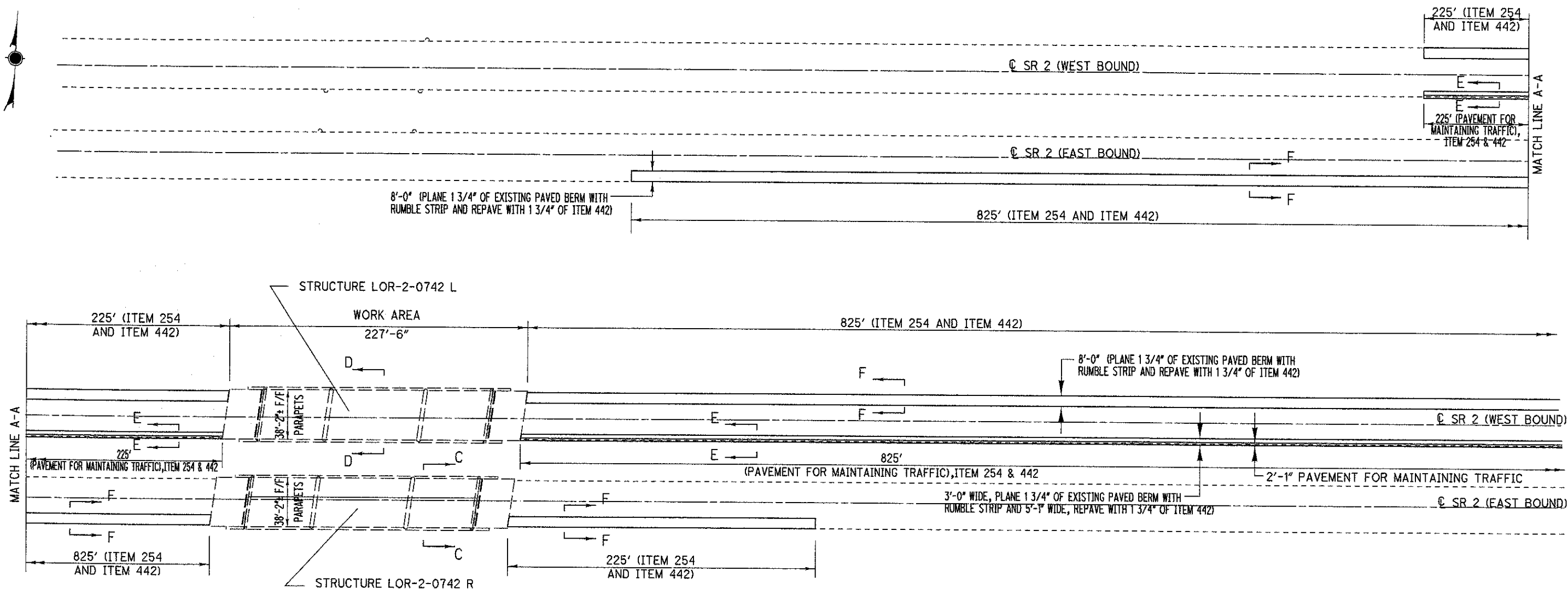
SECTION A-A  
( RIGHT STRUCTURE ONLY)



SECTION B-B  
( LEFT STRUCTURE ONLY)

DESIGN AGENCY DISTRICT THREE OFFICE OF PRODUCTION	
REVIEWED RDN	DATE 9/08
DESIGNED DCM	STRUCTURE FILE NUMBER 4700279 & 4700309
DRAWN DCM	REVISIONS
CHECKED DCM	DJV
TRANSVERSE SECTION LOR-2-0742 L&R OVER S.R. 58	
LOR-2-3.50	
2 / 4	
38 40	

DESIGN F:\PROJECTS\23799\STRUCT\LOR20742\MOT.DGN  
 WORKSTATE:DAY DATE:17/2008



ITEM	QUANTITY		UNIT	DESCRIPTION
	LOR-2-0742L	LOR-2-0742R		
254	1284	934	SQ YD	PAVEMENT PLANING, ASPHALT CONCRETE
407	153	94	GALLON	TACK COAT
442	75	46	CU YD	ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE A (448)
615	LUMP			ROADS FOR MAINTAINING TRAFFIC
615	243		SQ YD	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A, AS PER PLAN

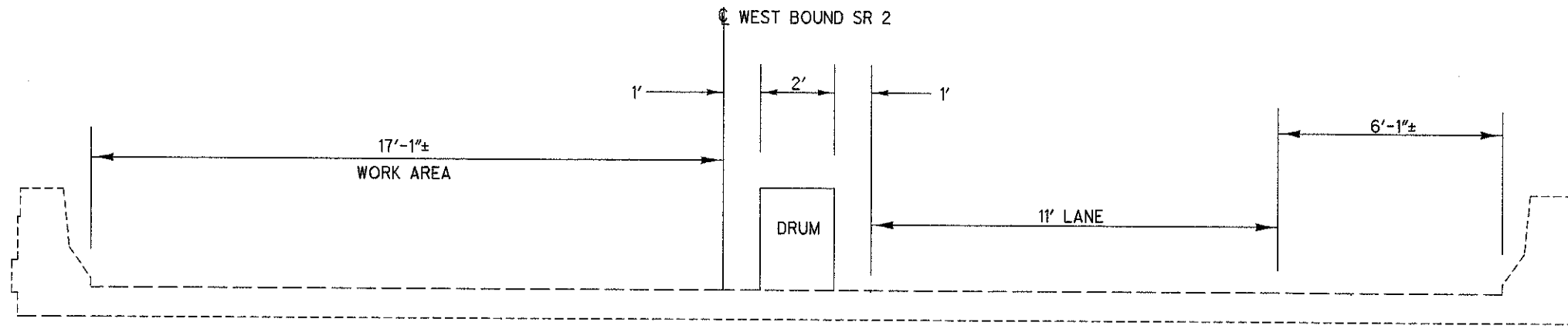
- NOTES:
- 1) THE EXISTING APPROACH GUARDRAIL IS NOT SHOWN.
  - 2) SEE STANDARD DRAWING MT-95.30 FOR DETAILS AND NOTES NOT SHOWN.
  - 3) SEE SHEET 4/4 FOR SECTIONS C-C & D-D.

ALL QUANTITIES CARRIED TO STRUCTURE SUMMARY SHEET

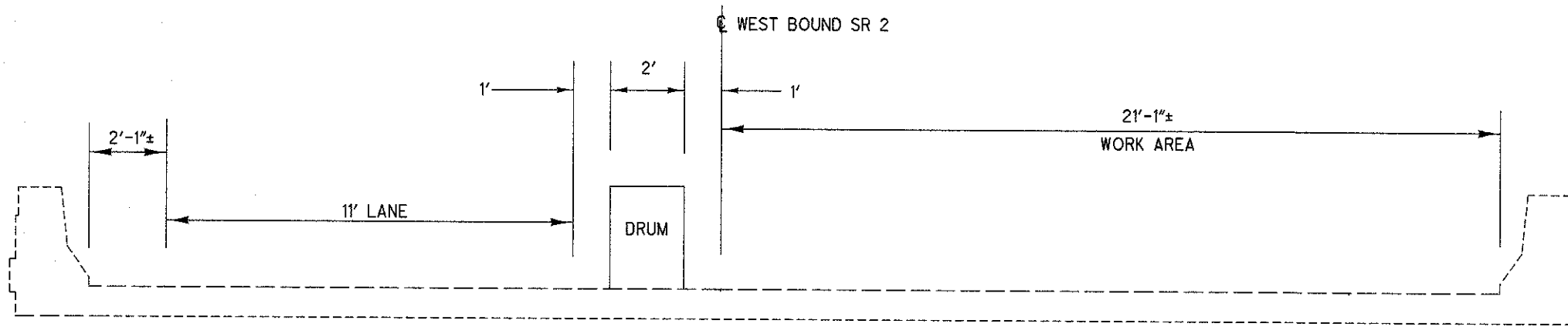
DESIGN AGENCY: DISTRICT THREE OFFICE OF PRODUCTION  
 DATE: 9/08  
 REVIEWED: RDN  
 DRAWN: DCM  
 DESIGNED: DCM  
 CHECKED: DJV  
 STRUCTURE FILE NUMBER: 4700279 & 4700309  
 MAINTENANCE OF TRAFFIC  
 LOR-2-0742 L&R OVER S.R. 58  
 LOR-2-3.50  
 3 / 4  
 39 / 40



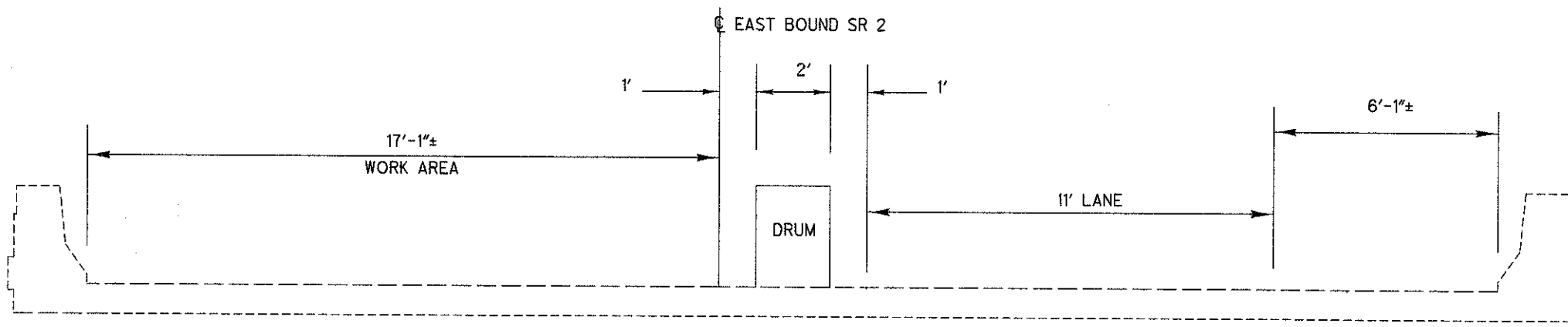
DESIGN F:\IL\PROJECTS\23799\STRUCT\LOR20742MOT.DGN  
WORKSTATION.LAY DATE: 10/17/2008



SECTION D-D  
( LEFT STRUCTURE ONLY) (PHASE A)



SECTION D-D  
( LEFT STRUCTURE ONLY) (PHASE B)



SECTION C-C  
( RIGHT STRUCTURE ONLY) (PHASE A)

DESIGN AGENCY  
DISTRICT THREE  
OFFICE OF PRODUCTION

REVIEWED  
RDN  
DATE  
9/08  
STRUCTURE FILE NUMBER  
4700279 & 4700309

DRAWN  
DCM  
DESIGNED  
DCM  
CHECKED  
DJV

MAINTENANCE OF TRAFFIC  
LOR-2-0742 L&R OVER S.R. 58

LOR-2-3.50

4 / 4

40  
40