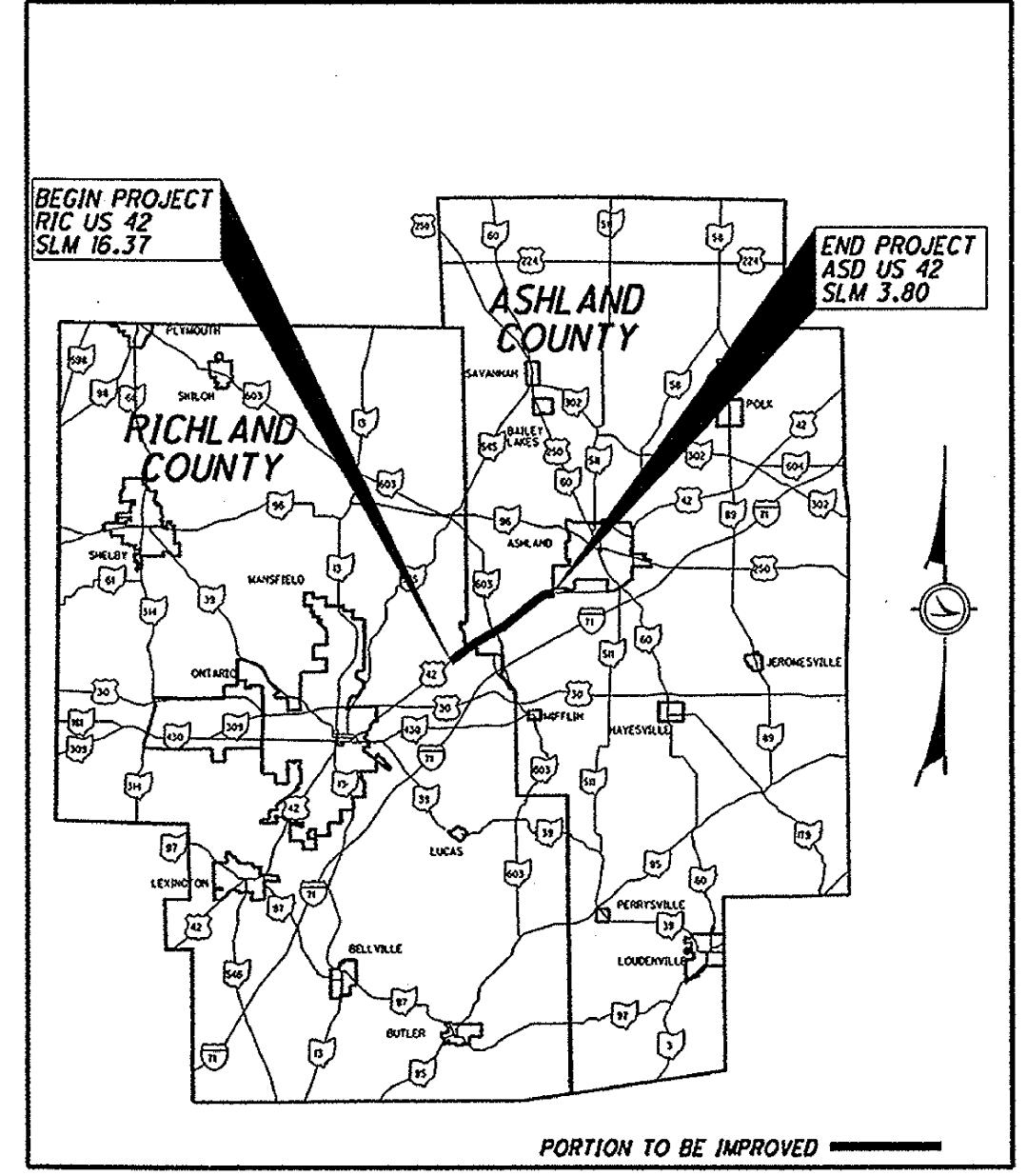
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LOCATION MAP



STATE OF OHIO DEPARTMENT OF TRANSPORTATION

RIC-42-16.37 ASD-42-0.00 CITY OF ASHLAND MIFFLIN TOWNSHIP MILTON TOWNSHIP RICHLAND COUNTY ASHLAND COUNTY

INDEX OF SHEETS:

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SCHEMATIC

DESIGN DESIGNATION

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GUARDRAIL GENERAL NOTES

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STRUCTURE GENERAL NOTES

MAINTENANCE OF TRAFFIC NOTES

STRUCTURE ASD-42-0259

BRIDGE TREATMENT

STRUCTURE SUMMARY

STRUCTURE RIC-42-1788

STRUCTURE ASD-42-0015

PROJECT DESCRIPTION

THIS PROJECT WILL INCLUDE PAVEMENT PLANING, PAVEMENT REPAIR, RESURFACING WITH ASPHALT CONCRETE, GUARDRAIL, PAVEMENT MARKINGS, AND MINOR BRIDGE REHABILITATION WORK.

PROJECT EARTH DISTURBED AREA = N/A (MAINTENANCE PROJECT) ESTIMATED CONTRACTOR EARTH DISTURBED AREA = N/A
(MAINTENANCE PROJECT) NOTICE OF INTENT EARTH DISTURBED AREA = N/A (MAINTENANCE PROJECT)

82298

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 AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

LONGITUDE: W 82° 23' 33" LATITUDE: N 40° 49' 20"



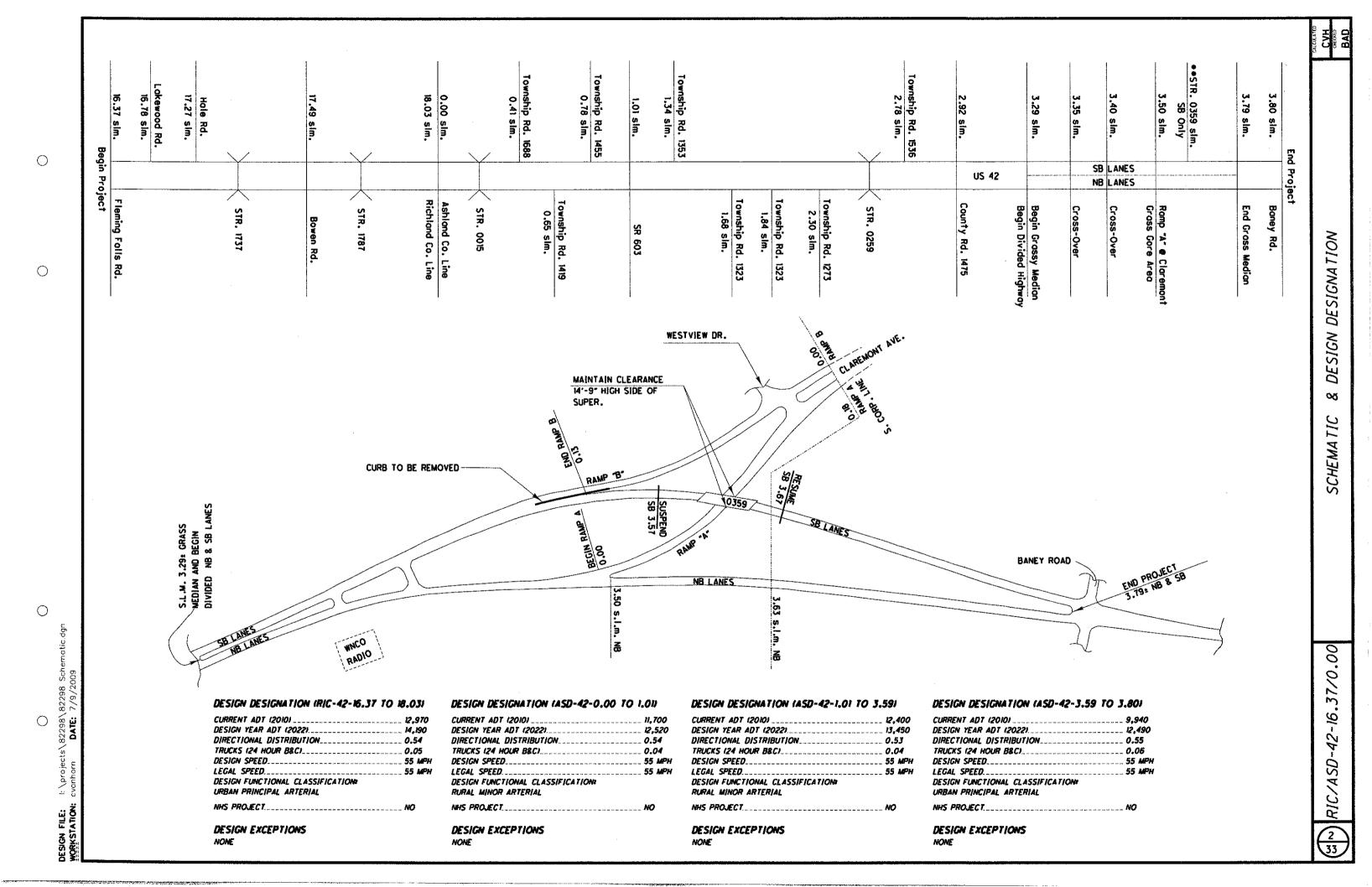
PLAN PREPARED BY:



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DATE: 7/10/09			TC-72.20			01/16/09	·	
			TC-73.10	01/19/01	<u> </u>		1	

APPROVED

DATE 10-20-09 DIRECTOR, DEPARTMENT OF TRANSPORTATION



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ROUTINE MAINTENANCE

BETWEEN THE TIME THAT BIDS ARE TAKEN AND THE START OF CONSTRUCTION, THE MAINTAINING AGENCY MAY ENTER UPON THE PROJECT AND PERFORM ROUTINE MAINTENANCE SUCH AS CRACK SEALING, PATCHING, AND BERM AND SHOULDER REPAIR. THE EFFECTS, IF ANY, OF THE PERFORMANCE OF ROUTINE MAINTENANCE SHALL BE CONSIDERED AS INHERENT IN WORK OF THE CHARACTER PROVIDED FOR IN THE PLAN AND THE RESULTING CONDITIONS SHALL NOT BE CONSIDERED AS DIFFERING MATERIALLY FROM THOSE EXISTING AT THE TIME BIDS WERE TAKEN.

UTILITIES

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS.

Time Warner Cable Dave Roush 1575 Lexington Avenue Mansfield, Ohio 44901 419-756-6091

Armstrong Utilities Tad Sedwick 100 East 2nd Street Ashland, Ohio 44805 419-289-0161

Firelands Electric Co-op Denny Marugg One Energy Place New London, Ohio 44851 419-929-1571

Ohio Edison Company Mike Stoughton' 1717 Ashland Road Mansfield, Ohio 44905 419-521-6177

Columbia Gas of Ohio Tiffany Fritchley 1120 W. 4th St Mansfield, Ohio 44906 419-528-1137

Richland Co. Sanitary Engineer Steve Risser 50 Park Avenue East Mansfield, Ohio 44902 419-774-3548

Ashland County Engineer Ed Meixner 1511 Cleveland Avenue Ashland, Ohio 44805 419-282-4281

Columbia Gas Transmission Russ Johnson 589 North State Road Medina, Ohio 44256 330-721-4163

Marathon Ashland Pipeline Dave Wisner 539 South Main Street. RM 193M Findlay, Ohio 45840 419-421-2211

AT&T, consultant for AT&T, Tony Lyle, Project Engineer HLG Engineering & Surveying 5980-G Wilcox Dublin, Ohio 43106 614-760-8320

Embarq (formerly Sprint) Casper Schmidt 175 Ashland Road P.O. Box 3555 Mansfield, Ohio 44907 419-755-7956

Verizon Jim Sauber 1534 S.R. 511 South Ashland, Ohio 44805 419-282-6551

City of Ashland 206 Claremont Avenue Ashland, Ohio 44805 Mayor Bill Strine 419-289-8622 419-289-8331

Richland County Engineer Thomas Beck, P.E., P.S., County Engineer 77 North Mulberry Street Mansfield, Ohio 44903 419-774-5591

THE AFOREMENTIONED UTILITY COMPANIES AND AGENCIES HAVE VARIOUS FACILITIES IN THE AREA THAT WILL REMAIN IN PLACE DURING CONSTRUCTION.

ITEM 209 - LINEAR GRADING

THE CONTRACTOR IS REQUIRED TO PERFORM LINEAR GRADING ON THE GRADED SHOULDER. IT IS ANTICIPATED THAT THERE ARE AREAS WHERE THE GRADED SHOULDER IS AT A HIGHER ELEVATION THAN THE ADJACENT PROPOSED PAVEMENT. A 10:1 SLOPE SHALL BE ESTABLISHED, OR AS DIRECTED BY THE ENGINEER, WHEN PERFORMING ITEM 209 LINEAR GRADING. THE INTENT IS TO PROVIDE AN UNOBSTRUCTED AND POSITIVE FLOW OF STORM WATER FROM THE PAVEMENT TO THE DITCH. THE LINEAR GRADING SHALL BE PERFORMED AFTER THE INTERMEDIATE COURSE HAS BEEN COMPLETED AND BEFORE THE SURFACE COURSE IS PLACED. ALL LABOR AND EQUIPMENT NECESSARY TO PERFORM THE ABOVE WORK SHALL BE INCLUDED IN THE UNIT PRICE BID PER MILE FOR ITEM 209 LINEAR GRADING.

ITEM 604 - CASTINGS ADJUSTED TO GRADE

THE CASTING TO BE ADJUSTED MAY OR MAY NOT HAVE AN EXISTING FRAME. THE WORK SHALL CONSIST OF ADJUSTING THE EXISTING CASTING TO THE SATISFACTION OF THE ENGINEER. IT IS NOT INTENDED TO PLACE NEW FRAMES WHERE NONE CURRENTLY EXIST. THE CONTRACTOR IS REMINDED TO FIELD CHECK ALL ADJUSTMENT TO GRADE ITEMS PRIOR TO BIDDING, AS NO ADDITIONAL COMPENSATION WILL BE GRANTED FOR LABOR AND MATERIALS REQUIRED TO SATISFACTORILY ADJUST CASTINGS WITHOUT FRAMES.

ITEM 253. PAVEMENT REPAIR. AS PER PLAN ITEM 253. PAVEMENT REPAIR, MISC.: PARTIAL DEPTH

THESE ITEMS OF WORK SHALL CONSIST OF THE REMOVAL OF THE EXISTING PAVEMENT OR PAVED BERM WHICH MAY BE ASPHALT, BRICK, CONCRETE, OR A COMBINATION OF EACH, IN AREAS OF EXISTING PAVEMENT FAILURE. CORING HAS BEEN PERFORMED TO HELP DETERMINE THE COMPONENTS THAT MAY BE ENCOUNTERED DURING THIS ITEM OF WORK. THE PAVEMENT CORING INFORMATION IS SHOWN ON PLAN SHEET 4.

THE ENGINEER SHALL DESIGNATE THE LOCATIONS AND LIMITS OF THE AREAS TO BE REPAIRED. PAVEMENT REPAIR SHALL BE PERFORMED AFTER PAVEMENT PLANING AND BEFORE PLACEMENT OF THE INTERMEDIATE AND/OR SURFACE COURSE. THE REPAIR AREAS SHALL BE SAW CUT AND EXCAVATED TO PROVIDE STRAIGHT AND VERTICAL SURFACES AROUND THE PERIMETER OF THE REPAIR AREA. PAVEMENT PLANING MAY BE USED AS AN ALTERNATIVE TO SAW CUTTING AND EXCAVATING. THE PAVEMENT SHALL BE REMOVED WITHIN THE DESIGNATED AREAS BY METHODS WHICH WILL NOT DAMAGE ADJACENT PAVEMENT. THE DEPTH OF REMOVAL SHALL BE SUFFICIENT TO REMOVE ALL DETERIORATED PAVEMENT WITH A MAXIMUM DEPTH OF 6", BASED ON THE PAVEMENT DESIGN. A DEPTH OF 3" AND AN AVERAGE WIDTH OF 5" WAS USED FOR ESTIMATING PURPOSES. THE MATERIALS REMOVED SHALL BE DISPOSED OF IN ACCORDANCE WITH 105.16 AND 105.17.

IN ACCORDANCE WITH 105.16 AND 105.17.

THE CONTRACTOR SHALL BE CAPABLE OF PERFORMING PAVEMENT REPAIRS 2

REPLACEMENT MATERIAL SHALL BE ITEM 301 PG64-22 OR ITEM 448 TYPE 2 PG64-22 MATERIAL AND SHALL BE PLACED AND COMPACTED TO FINISH FLUSH WITH THE ADJACENT PAVEMENT SURFACE. ITEM 301 CAN BE USED WHEN THE WITH THE ADJACENT PAVEMENT SURFACE. ITEM SOICAN BE USED WHEN THE DEPTH OF THE REPAIR IS BETWEEN 3" AND 12" WITH A MAXIMUM PAVEMENT LIFT OF 6". ITEM 448 TYPE 2 CAN BE USED WHEN THE DEPTH OF THE REPAIR IS BETWEEN 0" AND 5" WITH A MAXIMUM PAVEMENT LIFT OF 3". ALL EXISTING PAVEMENT AREAS WHICH WILL BE IN CONTACT WITH THE PAVEMENT REPAIR SHALL BE CLEANED AND COATED PER CMS 401.14, USING AN ASPHALT MATERIAL COMPLYING WITH 407.02. ALL COMPACTION SHALL BE ACHIEVED BY MECHANICAL METHODS TO THE SATISFACTION OF THE ENGINEER.

PAYMENT SHALL INCLUDE ALL LABOR, EOUIPMENT, AND MATERIALS NECESSARY TO COMPLETE THE PAVEMENT REPAIR. FOR PAYMENT PURPOSES ITEM 253 PAVEMENT REPAIR, MISC.: PARTIAL DEPTH IS TO BE A MAXIMUM OF 4" DEEP AND ITEM 253 PAVEMENT REPAIR, AS PER PLAN IS FOR DEPTHS GREATER THAN 4". PAYMENT WILL BE MADE AT THE UNIT BID PRICE PER CUBIC YARD, (BY TICKET WEIGHT CONVERSION), OF ITEM 253, PAVEMENT REPAIR, AS PER PLAN OR ITEM 253 PAVEMENT REPAIR, MISC.: PARTIAL DEPTH. THE FOLLOWING ESTIMATED QUANTITIES ARE PROVIDED IN THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER:

US 42 ITEM 253 PAVEMENT REPAIR, MISC.: PARTIAL DEPTH 2390 CU. YD. US 42 ITEM 253 PAVEMENT REPAIR, AS PER PLAN 230 CU. YD.

US 42 ITEM 253 PAVEMENT REPAIR, MISC .: PARTIAL DEPTH 20 CU. YD. US 42 ITEM 253 PAVEMENT REPAIR, AS PER PLAN 2 CU. YD.

COORDINATION OF WORK BETWEEN CONTRACTORS

THE CONTRACTOR SHOULD BE AWARE THAT THERE MAY BE OTHER WORK BEING PERFORMED BY A SEPARATE CONTRACT. ASD-42-3.59 PID 18221 IS A BRIDGE REHABILITATION PROJECT SCHEDULED TO BEGIN WORK IN THE 2010 CONSTRUCTION SEASON. COORDINATION OF WORK IS THE RESPONSIBILITY OF THE CONTRACTOR. IT IS INTENDED FOR RIC/ASD-42-16.37/0.00 TO SUSPEND AND RESUME AT THE PAVING LIMITS OF ASD-42-3.59 PROJECT.

ITEM 254 PATCHING PLANED SURFACE

AN ESTIMATED OUANTITY OF ITEM 254, PATCHING PLANED SURFACE HAS BEEN SET UP TO BE USED AS DIRECTED BY THE ENGINEER AS DESCRIBED IN CMS 254.04. THE LIMIT OF THE PATCHING DEPTH IS 0 TO 2 IN.

ITEM 407, TACK COAT ITEM 407, TACK COAT FOR INTERMEDIATE COURSE

AS PER 407.06 THE APPLICATION RATES SHALL BE 0.08 GAL. PER SQ. YD. PRIOR TO THE INTERMEDIATE COURSE AND SHALL BE 0.03 GAL PER SO. YD. PRIOR TO THE SURFACE COURSE FOR ESTIMATING PURPOSES ONLY. THE RATE OF APPLICATION SHALL BE SUBJECT TO ADJUSTMENT AS DIRECTED BY THE OF APPLICATION SHALL BE SUBJECT TO ADJUSTMENT AS DIRECTED BY THE ENGINEER. A COMPLETE PAVEMENT SURFACE COVERAGE SHALL BE REQUIRED. AREAS OF TACK STRIPPED BY CONSTRUCTION EQUIPMENT OR TRAFFIC SHALL BE RE-COATED PRIOR TO PLACING ASPHALT CONCRETE. ALL COSTS AS DESCRIBED ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID PER GALLON FOR ITEM 407, TACK COAT AND ITEM 407 TACK COAT FOR INTERMEDIATE COURSE.

ITEM 254. PAVEMENT PLANING. ASPHALT CONCRETE

THE INTENT OF THE PLANING IS TO MILL 3.00 INCHES OR TOP OF CONCRETE AT THE EDGE OF PAVEMENT AT BOTH CURBED AND NON-CURBED AREAS. THE PAVEMENT SLOPE SHALL BE 0.016 PREFERRED AND 0.010 MINIMUM, CONTINUOUS BETWEEN THE CROWN AND THE PROPOSED EDGELINE/SHOULDER. THE MILLING DEPTH SHALL BE CONTROLLED FROM THE EDGE OF PAVEMENT IN CONFORMANCE WITH THE ABOVE GUIDELINES.

THE CROWN OF THE PAVEMENT SHALL BE LOCATED BETWEEN THE TRAVELED LANES, OR AS DIRECTED BY THE ENGINEER. THE MILLING DEPTH SHALL BE CONTROLLED FROM THE EDGE OF PAVEMENT OR CURB, TO PRODUCE A CROSS SLOPE IN CONFORMANCE WITH THE ABOVE GUIDELINES.

SPECIAL ATTENTION SHALL BE GIVEN TO SUPERELEVATED CURVES. THE SUPERELEVATION SHALL BE MAINTAINED AND/OR RESTORED, IF NECESSARY, AS DIRECTED BY THE ENGINEER. IF THERE IS NO INFORMATION IN THE PLANS TO CHANGE THE SUPERELEVATION, THE INTENT IS TO MAINTAIN THE EXISTING

THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE INTO ALL CATCH BASINS AND INIFTS.

THE PROGRESSION OF THE PLANING SHALL PROCEED IN SUCH A MANNER THAT NORMAL TRAFFIC WILL NOT BE REQUIRED TO RUN OVER THE PLANED ROADWAY SURFACE MORE THAN FOURTEEN (14) CALENDAR DAYS. THE 14 CALENDAR DAYS SHALL BE CONSIDERED AN INTERIM COMPLETION DATE (SECTION 108), AND FOR EACH CALENDAR DAY BEYOND THE 14 DAYS THAT THE ROADWAY REMAINS EXPOSED TO THE PLANED SURFACE, THE CONTRACTOR WILL BE ASSESSED LIQUIDATED DAMAGES AS PER 108.07.

PAYMENT SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIALS NECESSARY TO COMPLETE THE PAVEMENT PLANING, ASPHALT CONCRETE. PAYMENT WILL BE MADE AT THE UNIT BID PRICE PER SOUARE YARD OF PAVEMENT PLANING, ASPHALT CONCRETE. NO ADDITIONAL COMPENSATION WILL BE GRANTED FOR UNEXPECTED VOLUMES OF ASPHALT GRINDINGS.

ITEM 442. ASPHALT CONCRETE SURFACE COURSE. 9.5 MM. TYPE A (446). AS PER PLAN

ALL OPEN TRANSVERSE JOINTS SHALL BE TAPERED TO MEET EXISTING PAVEMENT BEFORE INTRODUCING TRAFFIC. A "BUMP" SIGN (W8-1-36) SHALL BE ERECTED ON EACH SIDE OF TRANSVERSE JOINTS LEFT OPEN OVER NIGHT, INCLUDING A SPEED ADVISORY SIGN. THESE SIGNS SHALL BE REMOVED IMMEDIATELY AFTER JOINT HAS BEEN CLOSED. PLACEMENT OF SIGNS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 614 MAINTAINING TRAFFIC.

CARE SHALL BE TAKEN TO MATCH EXISTING PAVEMENT ELEVATIONS AT EXISTING PAVED BERMS, DRIVES, INTERSECTIONS, ETC.

REQUIREMENTS OF 442 APPLY EXCEPT AS FOLLOWS: MIX DESIGN: FOR NORS USE 50 GYRATIONS, FOR NMAX USE 75 GYRATIONS. MINIMUM TOTAL PG BINDER CONTENT IS 6.0 PERCENT. USE A PG 64-22 BINDER.

MAXIMUM RECLAIMED ASPHALT CONCRETE PAVEMENT IS 20 PERCENT. WHEN AN AGGREGATE SOURCE IS SPECIALLY DESIGNATED WITH AN SR ON THE AGGREGATE SOURCE GROUP LIST DO NOT USE THE AGGREGATE EXCEPT AS ALLOWED FOR MEDIUM TRAFFIC IN THE GUIDELINES FOR MAINTAINING ADEQUATE PAVEMENT FRICTION IN SURFACE PAVEMENT. QUALITY CONTROL: DO NOT PERFORM Nmax IN QUALITY CONTROL TESTING. DO NOT TAKE EXTRA ASPHALT BINDER SAMPLES AS OUTLINED IN CMS 442.05.

ITEM 442. ASPHALT CONCRETE INTERMEDIATE COURSE. 19MM. TYPE A (448). AS PER PLAN

THIS ITEM SHALL BE USED FOR CORRECTION OF CROWN, PROFILE AND ANY OTHER IRREGULARITIES.

ALL OPEN TRANSVERSE JOINTS SHALL BE TAPERED TO MEET EXISTING PAVEMENT BEFORE INTRODUCING TRAFFIC. A "BUMP" SIGN (W8-1-36) SHALL BE ERECTED ON EACH SIDE OF TRANSVERSE JOINTS LEFT OPEN OVER NIGHT, INCLUDING A SPEED ADVISORY SIGN. THESE SIGNS SHALL BE REMOVED IMMEDIATELY AFTER JOINT HAS BEEN CLOSED. PLACEMENT OF SIGNS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 614 MAINTAINING TRAFFIC.

REQUIREMENTS OF 442 APPLY EXCEPT AS FOLLOWS: MIX DESIGN: FOR Ndes USE 50 GYRATIONS, FOR Nmax USE 75 GYRATIONS. USE A PG 64-22 BINDER. MAXIMUM RECLAIMED ASPHALT CONCRETE PAVEMENT IS 30 PERCENT.
DO NOT APPLY TABLE 442.02-1 EXCEPT SAND EQUIVALENT OF 45 APPLIES.
APPLY 703.05 FOR COURSE AND FINE AGGREGATE EXCEPT GRADATION FOR FINE AGGREGATE DOES NOT APPLY. QUALITY CONTROL: DO NOT PERFORM Nmax IN QUALITY CONTROL TESTING. DO NOT TAKE EXTRA ASPHALT BINDER SAMPLES AS OUTLINED IN CMS 442.05.

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LTEM 617. COMPACTED AGGREGATE. AS PER PLAN

THIS ITEM OF WORK SHALL CONFORM TO ITEM 617 IN THE CONSTRUCTION AND MATERIALS SPECIFICATIONS BOOK WITH EXCEPTION OF 617.02 (MATERIALS).

THE MATERIAL ON THIS PROJECT SHALL BE THE ASPHALT CONCRETE GRINDINGS RESULTING FROM ITEM 254. THE GRINDINGS USED FOR THIS WORK ARE TO BE PLACED AND COMPACTED AS DESCRIBED IN 617.05 WITH SPECIAL CARE TO CREATE PROPER COMPACTION. 100% OF THIS MATERIAL SHALL PASS A 1.5 INCH SIEVE. THE CONTRACTOR SHALL TAKE SPECIAL CARE TO MEET THE TYPICAL SECTIONS SHOWN IN THE PLANS AND AS DIRECTED BY THE ENGINEER. THE CONTRACTOR IS REQUIRED TO APPLY THE ITEM 408 PRIME COAT WITHIN 5 CALENDAR DAYS OF PLACING THE COMPACTED AGGREGATE, AS PER PLAN.

PAYMENT FOR ALL THE ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID PER CU. YD. OF ITEM 617 COMPACTED AGGREGATE, AS PER PLAN.

INTERSECTIONS AND DRIVES

RURAL-INTERSECTIONS SHALL BE PLANED AND PAVED A MAXIMUM OF 6 FT OR AS DIRECTED BY THE ENGINEER. (TO PROVIDE A SMOOTH TRANSITION BETWEEN THE TWO HIGHWAYS, AND TO ELIMINATE WATER POCKETS)

EXISTING PAVED DRIVES SHALL BE PAVED A MAXIMUM OF 4 FT SO AS TO PROVIDE A SMOOTH TRANSITION BETWEEN THE HIGHWAY AND THE DRIVE, (DISTANCE FROM EDGE OF ROADWAY MAY VARY AT EACH DRIVE) AS DIRECTED

EXISTING AGGREGATE DRIVES SHALL BE PAVED WITH AN APRON AN AVERAGE WIDTH OF 2 FT. THE SLOPE OF THIS APRON SHALL BE THE SAME AS THE ADJACENT PAVEMENT SLOPE OR AS DIRECTED BY THE ENGINEER. ANY GRADING NEEDED TO PAVE THE APRON SHALL BE INCLUDED IN THE RELATED ASPHALT ITEM FOR PAYMENT. ITEM 617 COMPACTED AGGREGATE, AS PER PLAN SHALL BE PLACED ADJACENT TO THIS APRON TO PROVIDE A SMOOTH TRANSITION FROM THE APRON TO THE EXISTING DRIVE, (WIDTH OF THIS 617 APPLICATION MAY WARY). VARY) AS DIRECTED BY THE ENGINEER. AN ADDITIONAL QUANTITY OF ITEM 617 HAS BEEN ESTIMATED TO COMPLETE THIS WORK AND IS SHOWN AS AN EXTRA AREA ON THE PAVEMENT & SHOULDER DATA SHEET.

ANY HAZARD OR UNSAFE CONDITION RESULTING FROM THE ABOVE WORK MUST BE CORRECTED IMMEDIATELY, AS DIRECTED BY THE ENGINEER. THE CONTRACTOR IS REMINDED OF SECTIONS 105.01, 107.07 & 614.02A OF THE CONSTRUCTION AND MATERIALS SPECIFICATIONS.

BUTT JOINTS

BUTT JOINTS SHALL NOT BE CUT AND LEFT OPEN TO TRAFFIC. THEY SHALL BE FILLED IN WITH A TEMPORARY ASPHALT CONCRETE WEDGE USING ITEM 614 ASPHALT CONCRETE FOR MAINTAINING TRAFFIC.

CONSTRUCTION "BUMP" (W8-1-36) AND "ADVISORY SPEED" (WI3-1-24) SIGNS SHALL BE ERECTED AND MAINTAINED DURING THE PERIOD THE BUTT JOINT IS LEFT OPEN. THESE SIGNS SHALL BE PAID FOR UNDER THE LUMP SUM ITEM FOR ITEM 614 MAINTAINING TRAFFIC.

PLACEMENT OF ASPHALT CONCRETE

TWO-WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES EXCEPT THAT ONE-WAY TRAFFIC WILL BE PERMITTED FOR MINIMUM PERIODS OF TIME CONSISTENT WITH THE REQUIREMENTS OF THE SPECIFICATIONS FOR PROTECTION OF COMPLETED ASPHALT CONCRETE COURSES.

PAVEMENT CORING INFORMATION

			ASPHALT	CONCRETE	BRICK			
			DEPTH	DEPTH	DEPTH	WHEEL TRACK/		YEAR
CO.	RTE.	SLM	(IN.)	([N.)	(IN.)	SHOULDER	DIRECTION	CORED
RIC	42	17.00	11.50	6.50		INSIDE	SB	2008
RIC	42	17.00	10.00	7.00		OUTSIDE	SB	2008
RIC	42	17.00	8.25	7.50		SHOULDER	SB	2008
ASD	42	0.50	10.50	6.00	4.00	INSIDE	SB	2008
ASD	42	0.50	11.00	6.50	4.00	OUTSIDE	SB	2008
ASD	42	0.50	11.00	6.50	3.00	SHOULDER	SB	2008
ASD	42	2,50	10.50			INSIDE	SB	2008
ASD	42	2.50	11.25			OUTSIDE	SB	2008
ASD	42	2.50	11.50	, i		SHOULDER	SB	2008
ASD	42	3.20	5.00	9.00		INSIDE	SB	2008
ASD	42	3.20	4.50	9.00		OUTSIDE	SB	2008
ASD.	42	3.20	5.00			SHOULDER	SB	2008

ITEM 614. WORK ZONE MARKING SIGN

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER FOR TEMPORARY WORK ZONE MARKING SIGNS PER THE REQUIREMENTS OF THE CONSTRUCTION AND MATERIALS SPECIFICATIONS, 614.04.

WORK ZONE MARKING SIGN: (W8-HI3-36) NO EDGE LINE = 28 EACH WORK ZONE MARKING SIGN: (R4-1-24) DO NOT PASS = 6 EACH WORK ZONE MARKING SIGN: (R4-2-24) PASS WITH CARE = 6 EACH

TOTAL = 40 EACH

150 CU YD

ITEM 614. MAINTAINING TRAFFIC

A MINIMUM OF ONE (I) LANE OF TRAFFIC SHALL BE MAINTAINED AT ALL TIMES USING FLAGGERS EXCEPT AS NOTED IN THE STRUCTURE PLAN NOTES.

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 ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY

ITEM 614. ASPHALT CONCRETE FOR MAINTAINING TRAFFIC

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY TO CONSTRUCT A TEMPORARY ASPHALT WEDGE FOOM THE EXISTING PAVEMENT TO THE PLANED SURFACE AT BUTT JOINTS AND OTHER LOCATIONS THAT RESULT IN A DROP-OFF IN EXCESS OF 1.5 INCHES, AS DIRECTED BY THE THIS QUANTITY SHALL ALSO BE USED AT PLANED SURFACES WHERE A TEMPORARY ASPHALT WEDGE IS NEEDED AROUND CASTINGS, AS DIRECTED BY THE ENGINEER. BEFORE THE ASPHALT CONCRETE RESURFACING IS PLACED, THE TEMPORARY WEDGE SHALL BE REMOVED AND THE COST SHALL BE CONSIDERED INCIDENTAL TO ITEM 614 ASPHALT CONCRETE FOR MAINTAINING TRAFFIC.

ITEM 614. ASPHALT CONCRETE FOR MAINTAINING TRAFFIC

<u> [TEM 614. MAINTAINING TRAFFIC</u> (LANES OPEN DURING HOLIDAYS OR SPECIAL EVENTS)

NO WORK SHALL BE PERFORMED AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS OR EVENTS:

> NEW YEARS MEMORIAL DAY

FOURTH OF JULY LABOR DAY THANKSGIVING

THE PERIOD OF TIME THAT THE LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR EVENT FALLS. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD:

DAY OF THE WEEK TIME ALL LANES MUST BE OPEN TO TRAFFIC

SUNDAY MONDAY TUESDAY WEDNESD4Y THURSDAY SATURDAY

12:00N FRIDAY THROUGH 6:00 AM MONDAY 12:00N FRIDAY THROUGH 6:00 AM TUESDAY 12:00N MONDAY THROUGH 6:00 AM WEDNESDAY 12:00N TUESDAY THROUGH 6:00 AM THURSDAY 12:00N WEDNESDAY THROUGH 6:00 AM MONDAY 12:00N THURSDAY THROUGH 6:00 AM MONDAY 12:00N FRIDAY THROUGH 6:00 AM MONDAY

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS. THE CONTRACTOR SHALL BE ASSESSED LIQUIDATED DAMAGES IN ACCORDANCE WITH CMS 108.07.

RAMP UNDER ASD-42-3.59 STRUCTURE

IT IS INTENDED TO MAINTAIN THE EXISTING VERTICAL CLEARANCE UNDER THIS STRUCTURE. THE GUARDRAIL LOCATED ON BOTH SIDES OF THIS RAMP AND UNDER THE STRUCTURE WILL BE ADDRESSED IN THE ASD-42-3.59 PROJECT.

ITEM 202 CATCH BASIN OR INLET ABANDONED. AS PER PLAN

ALL PORTIONS OF CMS 202 APPLY EXCEPT AS MODIFIED HEREIN.

THE FOLLOWING LOCATIONS AND DIMENSIONS APPLY:

SEAL ALL EXISTING PIPES WITHIN THESE STRUCTURES. REMOVE THE FRAME AND GRATE AND ANY LOOSE MATERIAL. FILL THE CATCH BASIN WITH CLASS C CONCRETE AND FINISH FLUSH WITH THE SURFACE.

LOCATION		LXWXD (II	ICHES)	PIPE SIZE	(INCHES)
SLM 16.58	RT	48" X 30"	X 48"	12"	
SLM 16.63	RT	48" X 18"	X 48"	10"	
SLM 16.68	RT	48" X 18"	X 48"	10"	
SLM 16.73	RT	48" X 18"	X 48"	10"	
SLM 16.78	RT	48" X 18"	X 48"	10"	
SIM 16.84	RT	48" X 30"	X 48"	12"	

ALL LABOR, EQUIPMENT AND MATERIAL COSTS ASSOCIATED WITH MEETING THE ABOVE REQUIREMENTS ARE TO BE INCLUDED IN THE UNIT PRICE BID PER EACH OF ITEM 202 CATCH BASIN OR INLET ABANDONED, AS PER PLAN.

ITEM 604 CATCH BASIN. NO. 6. AS PER PLAN

ALL PORTIONS OF CMS 604 AND STANDARD DRAWING CB-2.3 APPLY EXCEPT AS MODIFIED HEREIN.

THE LOCATION OF THIS WORK IS AT APPROXIMATEY SLM 16.81 ON THE RIGHT SIDE IN THE PAVED SHOULDER AREA. THERE IS AN EXISTING CATCH BASIN AT THIS LOCATION. REMOVAL AND DISPOSAL OF THE EXISTING CATCH BASIN, FRAME AND GRATE INCLUDING A PORTION OF THE EXISTING 12 INCH PIPE AND SAWCUTTING OF THE PAVEMENT TO PROVIDE A NEAT JOINT IS INCLUDED IN THE COST OF THIS ITEM. IF ADDITIONAL FULL DEPTH ASPHALT PAVEMENT IS REQUIRED TO FILL AROUND THE NEW CATCH BASIN, THE COSTS TO REPLACE THIS PAVEMENT IS ALSO TO BE INCLUDED IN THIS ITEM OF WORK. THE PAVEMENT IS TO CONSIST OF ITEM 448 TYPE 2 ASPHALT PG 64-22 EXCEPT THE TOP 1.25 INCHES TO BE THE SAME SURFACE COURSE MATERIAL AS SPECIFIED IN THIS PROJECT. COMPACTION REQUIREMENTS ARE WAIVED AND TO BE HAND TAMPED TO THE SATISFACTION OF THE ENGINEER.

THE CONCRETE APRON IS TO BE 8 INCHES THICK AND PLACED 24 INCHES ALL AROUND THE CASTING INSTEAD OF THE 18 INCHES AS SHOWN ON STANDARD CONSTRUCTION DRAWING CB-2.3. THE DEPTH, 28 INCHES, IS MEASURED FROM THE TOP OF THE GRATE TO THE FLOW LINE OF THE 12 INCH REINFORCED CONCRETE PIPE. THE CONTRACTOR SHALL PERFORM THE NECESSARY FIELD MEASUREMENTS PRIOR TO ORDERING THE UNIT.

AN ESTIMATED QUANTITY OF 6 FEET OF ITEM 603 12 INCH CONDUIT, TYPE B IS PROVIDED TO RECONNECT TO THE EXISTING PIPE. A CONCRETE MASONRY COLLAR IS TO BE PROVIDED AT THIS CONNECTION AND IS CONSIDERED INCIDENTAL IN THE COST OF ITEM 603.

ITEM 202 CURB REMOVED. AS PER PLAN

AFTER THE PLANING OPERATION HAS BEEN COMPLETED AND THE CURB REMOVED, COAT THE EXISTING PAVEMENT EDGES WITH TACK COAT MATERIAL AND THEN BACKFILL USING ITEM 301 ASPHALT CONCRETE BASE, PG 64-22 MATERIAL AND MATCH THE PLANED SURFACE. HAND TAMP TO THE SATISFACTION OF THE ENGINEER. ALL COSTS FOR LABOR MATERIAL AND EQUIPMENT TO COMPLETE THIS WORK AS MENTIONED ABOVE TO BE INCLUDED IN THE COST PER FOOT OF ITEM 202 CURB REMOVED, AS PER PLAN.

SINGLE CHIP SEAL

IT IS INTENDED TO PLACE THE CHIP SEAL AS SHOWN ON THE PAVEMENT DATA SHEET ON THE MAIN LINE AND SHOULDERS. THERE IS A CONTROL SECTION FROM SLM 2.25 TO SLM 3.29 WHERE CHIP SEAL IS NOT TO BE PLACED. WE ALSO DO NOT INTEND TO PLACE CHIP SEAL FOR MAILBOX APPROACHES, DRIVEWAYS OR INTERSECTING SIDE ROADS.

THE CONTRACTOR IS REQUIRED TO HAVE A ONE DAY WAITING PERIOD BETWEEN THE TIME THE INTERLAYER CHIP SEAL IS PLACED AND THE OVERLYING ASPHALT CONCRETE COURSE IS PLACED. AFTER THE ONE DAY WAITING PERIOD,

THE CONTRACTOR HAS A MAXIMUM OF FOUR DAYS TO COVER UP THE CHIP SEAL.

SHOULD THE CONTRACTOR FAIL TO MEET THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED LIQUIDATED DAMAGES IN ACCORDANCE WITH CMS 108.07.

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_[F. 을	F	DESCRIPTION	UNIT	TOTAL	ITEM	ITEM	80% FED	80% FED	100							K FED-20%							FED-CITY	TY	CI
	EET CALCULATE	Sł		0/11/	TOTAL	EXT.	17214	20% STATE	20% CITY) CI	Щ	19	18	17	16	15	14	13	12	8	7	4	3	7	3	_
기등			ROADWAY			7000					\rightarrow					<u> </u>										
_	4 6		CURB REMOVED, AS PER PLAN		284	32001	202	284			\rightarrow										284				4	
			GUARDRAIL REMOVED FOR REUSE		3300	38200	202	3300			\rightarrow	825	237.5	425	312.5	625	362.5	262.5	250						_	
			ANCHOR ASSEMBLY REMOVED, TYPE A		21	42000	202	21				3	2	4	2	2	4	2	2							
			ANCHOR ASSEMBLY REMOVED, TYPE T		7	42040	202	7				1	2		2	2	ļ									
			BRIDGE TERMINAL ASSEMBLY REMOVED	EACH	8	47000	202	8								·	4	2	2							
																· · · · · · · · · · · · · · · · · · ·										
	4	_AN	CATCH BASIN OR INLET ABANDONED, AS PER PLAN		6	58601	202	6								ļ						6				
			EMBANKMENT, AS PER PLAN		1701	20001	203	1701		3		219	139	272	250	303	200	200	100							
	11		RESHAPING UNDER GUARDRAIL, AS PER PLAN	STA	74	15001	209	74				10.38	4.13	6.38	5.26	8.01	7.63	4.63	28							
			LINEAR GRADING	MILE	11.59	60500	209	11.03	0.56							· · · · · · · · · · · · · · · · · · ·					11.03).56	((
			GRADING MAILBOX APPROACHES	EACH	15	80000	209	15								!				15						
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			GUARDRAIL, TYPE 5		2550	13000	606	2550				125	50	12.5	62.5	!	100	50	2150							
			GUARDRAIL, TYPE 5A		250	13050	606	250								ļ			250							
			GUARDRAIL REBUILT, TYPE 5	FT	2675	16500	606	2675				825	237.5	437.5	300	 	362.5	262.5	250							
		OSTS	GUARDRAIL REBUILT, TYPE 5, USING 9 FOOT POSTS	FT	625	16500	606	625								625										
							J								1	 										
			ANCHOR ASSEMBLY, TYPE E-98	EACH	19	22010	606	19				1	2	3	3	2	4	2	2							
			ANCHOR ASSEMBLY, TYPE T	EACH	9	26500	606	9				3	2	1	1	2										
			BRIDGE TERMINAL ASSEMBLY, TYPE 4	EACH	8	35140	606	8							1		4	2	2							
٨	8		MAILBOX SUPPORT SYSTEM, SINGLE	EACH	1	69050100	SPECIAL	1									1			1						
SUMMARY	8		MAILBOX SUPPORT SYSTEM, DOUBLE	EACH	3	69050200	SPECIAL	3									1			3						
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\leq			DRAINAGE									T			Ī											
\sim			12" CONDUIT, TYPE B	FT	6	4400	603	6							i							6				
	4 1		CATCH BASIN, NO. 6, AS PER PLAN	EACH	1	02001	604	1													1					
_			CATCH BASIN ADJUSTED TO GRADE		3	09000	604	3													3					
GENERAL															ĺ											
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			PAVEMENT														,									
	3		PAVEMENT REPAIR, AS PER PLAN		232	02001	253	230		- 2	\perp						, I						230			2
	3		PAVEMENT REPAIR, MISC.: PARTIAL DEPTH		2410	90000	253	2390		2	\rightarrow				L		ļ						2390			20
			PAVEMENT PLANING, ASPHALT CONCRETE		130669	01000	254	125739	4930												125739				4930	
			PATCHING PLANED SURFACE		1300	01600	254	1251	49								ļ				1251				49	
			TACK COAT	GALLON	10451	10000	407	10057	394		\perp					·	ļ				10057			4	39	39
	— Ⅱ						<u> </u>				\bot				—											
			TACK COAT FOR INTERMEDIATE COURSE			14000	407	3791	148		\rightarrow										3791			148		
			PRIME COAT			10000	408	5396	263		\rightarrow										5396				263	
	<u> </u>		SINGLE CHIP SEAL			10000	422	93796	4930		\rightarrow										93796				4930	
	3		ASPHALT CONCRETE SURFACE COURSE, 9.5 MM	CU YD	4560	00201	442	4389	171		$-\!$										4389				171	171
	_		TYPE A (446), AS PER PLA ASPHALT CONCRETE INTERMEDIATE COURSE, 19	CILVD	6382	20201	442	6142	240		+	+									6142			_	24	- 124
	<u>-</u>		TYPE A (448), AS PER PLA	CO 1B	0302	20201	142	0142	240		+-				—						0142			240		
		FER FLAN	COMPACTED AGGREGATE, AS PER PLAN	CU YD	424	10101	617	406	18		+	+								30	376			18		-
		-	SHOULDER PREPARATION		14144	20000	617	13486	658		-	+									13486				658	
	-		SHOOLDER FREI ARATION	30.10	דדודו	20000	- 011	15700	- 556		+-	+			—	'					13700				030	- 030
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				36													276	36	276	644	00500	312		STOP LINE		-
				750 3													1798 26	750 3	1798 26	644 644	00700	2548 29		TRANSVERSE/DIAGONAL LINE LANE ARROW		
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						40													40	614	12460	40	EACH	WORK ZONE MARKING SIGN		
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				0.64													2.58 25.87	0.64	2.58 25.87	614 614	20100 21500	3.22 25.87		WORK ZONE LANE LINE, CLASS I, 642 PAINT WORK ZONE CENTER LINE, CLASS II, 642 PAINT		SUMMA
t				630													3105	630	3105	614	23200	3735	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT		1 3
				210													715	210	715	614 614	23680	925 108		WORK ZONE CHANNELIZING LINE, CLASS III, 642 PAINT WORK ZONE STOP LINE, CLASS I, 642 PAINT		S
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					LEN	IGTH		*		ļ	54	407	407		42	ļ	42	422	202	604	604	AGGREG	ATE SHO	DULDERS	209	408	617	617	CAL
FUNDING	COUNTY	ROUTE	LOG F	O POINT	MILE	FEET	WIDTH FEET AVG.	TYPICAL	PAVEMENT AREA	PAVEMENT PLANING, ASPHALT CONCRETE (*** 3.00")	PATCHING PLANED SURFACE	TACK COAT @ 0.08 GAL/SY	TACK COAT FOR INTERM. COURSE @ 0.03 GAL/SY	SURFACE 9.5 TYPE	CONCRETE COURSE, MM, A (446), R PLAN	INTERM COURSE TYPE A AS PEI	EDIATE , 19 MM,	SINGLE CHIP SEAL	CURB REMOVED, AS PER PLAN	CATCH BASIN ADJUSTED TO GRADE	CATCH BASIN, NO. 6, AS PER PLAN		OSED	AREA	LINEAR GRADING	PRIME COAT @ 0.40 GAL/SY	COMPACTED AGGREGATE, AS PER PLAN I INCH AVG. THICK.	SHOULDER PREPARATION	
			STRAIG MILE						CO VD	SO VD	CO VD	CALLON	CALLON	INCH	CH VD	INCH (AVC)	CII VD	SO VD	cccr	EACH	EACU			CO VD	MILE	CALLON		SQ.YD	-
									SQ YD	SO.YD	SQ.YD	GALLON	GALLON	INCH	CO.TD.	INCH (AVG)	CO.TU.	SQ.YD	FEET	EACH	EACH	FT	FT	SQ YD	MILE	GALLON	CU YD	30.10	1
ED/STATE	RIC	US 42	16.37	16.41	0.04	211	53.0	1	1,243	1,243	12	99	37	1.25	43	1.75	60	1,243		1		2.0	2.0	94	0.08	38	3	94	1
ED/STATE			16.41	16.55	0.14	739	39.5	1	3,243	3,243	32	259	97	1.25	113	1.75	158	3,243				2.0	2.0	328	0.28	131	9	328	1
ED/STATE			16.55	18.03	1.48	7814	31.0	1	26,915	26,915	269	2,153	807	1.25	935	1.75	1,308	26,915				2.0	2.0	3,473	2.96	1,389	96	3,473	1
ED/STATE				16.87								<u> </u>									1								
																													1
ED/STATE	ASD	US 42	0.00	2.25	2.25	11880	35.0	1	46,200	46,200	462	3,696	1,386	1.25	1,604	1.75	2,246	46,200				2.0	2.0	5,280	4.50	2,112	147	5,280	
ED/STATE			2.25	2.49	0.24	1267	35.0	2	4,927	4,927	49	394	148	1.25	171	1.75	240					2.0	2.0	563	0.48	225	16	563	
FED/STATE			2.49	2.62	0.13	686	31.0	2	2,363	2,363	24	189	71	1.25	82	1.75	115					2.0	2.0	305	0.26	122	8	305	į
ED/STATE			2.62	2.80	0.18	950	41.0	3	4,328	4,328	43	346	130	1,25	150	1.75	210] ;
FED/STATE			2.80	2.85	0.05	264	41.0	4	1,203	1,203	12	96	36	1.25	42	1.75	58					2.0		59	0.05	23	2	59	
ED/STATE			2.85	2.92	0.07	370	41.0	2	1,686	1,686	17	135	51	1.25	59	1.75	82				ļ	2.0	2.0	164	0.14	66	5	164	_
ED/STATE			2.92	3.02	0.10	528	53.0	2	3,109	3,109	31	249	93	1.25	108	1.75	151			2	ļ	2.0	2.0	235	0.20	94	7	235	
ED/STATE			3.02	3.12	0.10	528	59.0	2	3,461	3,461	35	277	104	1.25	120	1.75	168					2.0	2.0	235	0.20	94	7	235	
ED/STATE ED/STATE			3.12	3.19	0.07	370	58.0	4	2,384	2,384	24	191	72	1.25	83	1,75	116					2.0	2.0	82	0.07	33	2	82	
ED/STATE	NB L	ANIES	3.19 3.29	3.29 3.36	0.10	528	64.0	5	3,755	3,755	38	300	113	1.25	130	1.75	183	1 277				2.0	2.0	117 82	0.10	33	3 2	82	1
FED/STATE	NB L		3,36	3.36	0.07	370 53	30.0	6	1,233	1,233	12	99	37 5	1.25	43	1.75	9	1,233				2.0	2.0	24	0.07	9	1	24	
ED/STATE	NB L		3.37	3.63	0.01	1373	30.0		4,577	4,577	46	366	137	1.25	159	1.75	222	4,577				2.0	2.0	610	0.52	244	17	610	1
FED/CITY	NB L		3.63	3.79	0.16	845	30.0	1	2,817	2,817	28	225	85	1.25	98	1.75	137	2,817				2.0	2.0	376	0.32	150	10	376	1 6
ED/STATE	CROSS		3.37	3.10	0.10	. 32	32.0	1	114	114	1	9	3	1.25	4	1.75	6	2,011				1	2.0	14	0.00	6	0	14	
ED/STATE	CROSS		3.41			32	75.0	1	267	267	3	21	8	1.25	9	1.75	13					2.0		14	0.00	6	0	14	-
ED/STATE	SB L		3.29	3.37	80.0	422	30.0	7	1,407	1,407	14	113	42	1.25	49	1.75	68	1,407	1	 			2.0	94	0.08	38	3	94	-
ED/STATE	SB L	ANES	3.37	3.53	0.16	845	30.0		2,817	2,817	28	225	85	1.25	98	1.75	137	2,817				2.0	2.0	376	0.32	150	10	376	
FED/STATE	SB L	ANES	3.53	3.57	0.04	211	30.0	1	703	703	7	56	21	1.25	24	1.75	34	703	284			2.0	2.0	94	0.08	38	3	94	1
FED/STATE	SB L	ANES	3.57	3.67	0.10															SUSPE	ND/RESUME	AT ASE	D-42-3.	59					1
FED/CITY	SB L	ANES	3.67	3.79	0.12	634	30.0	1	2,113	2,113	21	169	63	1.25	73	1.75	103	2,113				2.0	2.0	282	0.24	113	8	282	
	5		0.00	0.10	0.10	528	31.0	1	1,819	1,819	18	145	55	1.25	63	1.75	88	1,819				2.0	2.0	235	0.20	94	7	235	
	RAMP CLAREMO		0.10	0.15	0.05	264	38.0	1	1,115	1,115	11	89	33	1.25	39	1.75	54	1,115				2.0	2.0	117	0.10	47	3	117	1
			0.15	0.18	0.03	158	33.0	1	579	579	6	46	17	1.25	20	1.75	28	579				2.0	2.0	70	0.06	28	2	70	
	CROSS	SOVER				48	25.0	í	133	133	1	11	4	1.25	5	1.75	6					2.0	2.0	21	0.00	9	1	21	1
																													ן ו
	RAMP	8@	0.00	0.11	0.11	581	23.0	1	1,485	1,485	15	119	45	1.25	52	1.75	72	1,485				2.0	2.0	258	0.22	103	7	258]
	CLAREMO	NT AVE.	0.11	0.13	0.02	106	24.0	1	283	283	3	23	8	1.25	10	1.75	14	283				2.0	2.0	47	0.04	19	1	47] 9
		EXTRA ARE	A FOR IN	TERSECTI	ONS				3579	3579	36	286	107	1.25	124	1.75	174												-] ;
		EXTRA ARE	A FOR PA	VED DRIV	/ES				324	324		26	10	1.25	11	1.75	16												
		EXTRA ARE	A FOR A	GREGATE	DRIVES				495				15	1.25	17	1.75	24							495		198	14	495	_]
		EXTRA ARE	A FOR EX	(. & PR.	MAILBOX	APPROA	ACHES		460	310		25	14	1.25	16	1.75	22										4		1
							F	ED/CITY T	OTALS	4,930	49	394	148		171		240	4,930							0.56	263	18	658	
							Fŧ	ED/STATE	TOTALS	125,739	1,251	10,057	3,791		4,389		6,142	93,796	284	3	1				11,03	5,396	376	13,486	16
								TOTAL	.s	130,669	1,300	10,451	3,939		4,560		6,382	98,726	284	3	1				11.59	5,659	394	14,144	16

DESIGN FILE: 1: \projects\82298\82298 Pave Data.dgn WCRKSTATION: cvanhorn DATE: 7/9/2009

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ITEM SPECIAL, MAILBOX SUPPORT SYSTEM

THIS ITEM OF WORK SHALL CONSIST OF THE REMOVAL OF EXISTING NON-STANDARD MAILBOX SUPPORTS AND FURNISHING AND ERECTING MAILBOX SUPPORTS AND ANY ASSOCIATED HARDWARE IN ACCORDANCE WITH THE DETAILS SHOWN, AND ATTACHING AN OWNER SUPPLIED MAILBOX, AT LOCATIONS DETERMINED BY THE ENGINEER.

IN ABSENCE OF A NEW BOX SUPPLIED BY THE OWNER THE CONTRACTOR SHALL SALVAGE THE EXISTING BOX AND PLACE IT ON THE NEW SUPPORT. DUE CARE SHALL BE EXERCISED IN SUCH AN OPERATION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY BOX DAMAGED BY IMPROPER HANDLING, AS JUDGED AND DIRECTED BY THE ENGINEER.

THE BOX SHALL BE SECURELY AND NEATLY ATTACHED BY THE CONTRACTOR TO THE NEW SUPPORT. THE CONTRACTOR SHALL SUPPLY ALL NECESSARY ATTACHMENT HARDWARE (NUTS, BOLTS, PLATES, SPACERS AND WASHERS) AS NECESSARY TO ACCOMMODATE THE COMPLETE INSTALLATION. SUPPORT HARDWARE SHALL ACCOMMODATE EITHER A SINGLE OR A DOUBLE MAILBOX INSTALLATION, AND NO MORE THAN TWO MAILBOXES MAY BE MOUNTED ON A SINGLE POST. [HARDWARE SHALL BE COMMERCIAL GRADE GALVANIZED STEEL.]

WOOD POSTS SHALL BE NOMINAL 4 IN. \times 4 IN. (S4S) OR $4V_2$ IN. DIAMETER ROUND, AND CONFORM TO 710.14. STEEL POSTS SHALL BE NOMINAL PIPE SIZE 2 IN. 1.D.,

POSTS SHALL BE SET AS PER THE FIRST PARAGRAPH OF 606.03, AND SHALL IN NO INSTANCE BE ENCASED IN CONCRETE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WORK WITH THE LOCAL POST MASTER AND NOTIFYING THE PROPERTY OWNERS PRIOR TO WORK.

GROUP MAILBOX SUPPORTS SHALL BE PLACED ON 3 FT. CENTERS AND THE TURNOUT LENGTHENED TO ACCOMMODATE THE GROUPING

WHERE GUARDRAIL EXISTS, MAILBOXES AND THEIR SUPPORTS SHALL BE PLACED BEHIND THE GUARDRAIL. SUPPORTS MUST STILL MEET THE BREAKAWAY REQUIREMENTS LISTED ABOVE.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY TO BE USED AS DESCRIBED ABOVE.

ITEM SPECIAL-MAILBOX SUPPORT SYSTEM, SINGLE PART A - U.S. 42 | | EACH

ITEM SPECIAL-MAILBOX SUPPORT SYSTEM, DOUBLE PART A - U.S. 42 3 EACH

MAILBOX APPROACHES

THE MAILBOX APPROACHES SHALL BE PAVED WITH 1.75" ITEM 442 INTERMEDIATE COURSE AND 1.25" ITEM 442 SURFACE COURSE. THEY SHALL CONFORM AS MUCH AS PRACTICAL TO STANDARD DRAWING BP-4.1 OR AS DIRECTED BY THE ENGINEER.

GRADING SHALL BE PERFORMED IN THESE AREAS TO OBTAIN A BASE WHICH WILL ALLOW THE FINISHED GRADE TO BE FLUSH WITH ADJACENT PAVEMENT. A QUANTITY OF ITEM 617 COMPACTED AGGREGATE, AS PER PLAN HAS BEEN PROVIDED FOR AREAS WHERE THE SHOULDER IS LOW PRIOR TO GRADING AND/OR LOW AREAS CAUSED BY THE REMOVAL OF UNSUITABLE MATERIAL. QUANTITIES TO PERFORM THIS WORK HAVE BEEN INCLUDED IN THE GENERAL SUMMARY AND ARE ESTIMATED AS FOLLOWS.

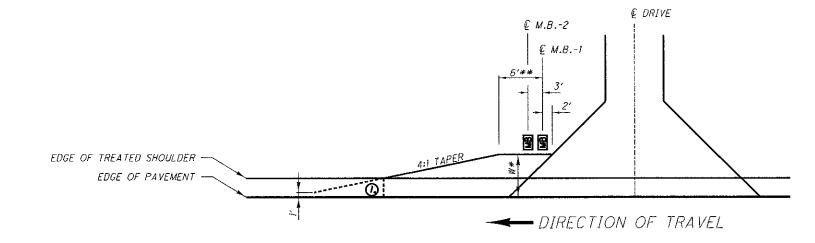
ITEM 209 - GRADING MAILBOX APPROACHES: PART A - U.S. 42 15 EACH

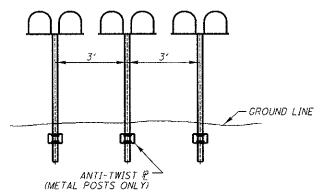
ITEM 617 - COMPACTED AGGREGATE, AS PER PLAN PART A - U.S. 42 30 CU YD

LOCATIONS OF MAILBOX SUPPORT SYSTEM TO BE

ADDRESSES AND/OR LOCATIONS OF MAILBOX SUPPORT SYSTEM TO BE REPLACED:

1322 - 1 SINGLE/1 DOUBLE 2600/2664 - 2 DOUBLE





GROUP MAILBOX INSTALLATION

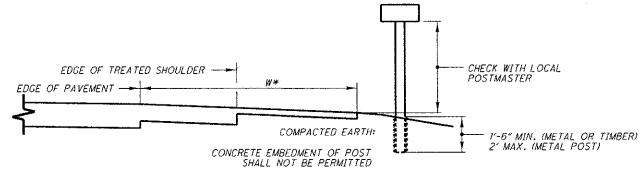
(1) END MAILBOX TURNOUT AT EDGE OF ASPHALT CONCRETE SHOULDER OR 1' FROM EDGE OF PAVEMENT IF TREATED SHOULDER IS AGGREGATE.

₩* NOTES 1) WHERE EXISTING STANDARD MAILBOX POSTS ARE BEHIND GUARDRAIL AND ARE TO REMAIN IN PLACE, TURNOUT WIDTH SHALL EXTEND TO FACE OF GUARDRAIL.

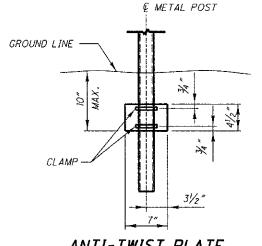
2) WHERE NO GUARDRAIL IS REQUIRED, TURNOUT WIDTH SHALL BE 6 FT MAXIMUM OR TO FACE OF EXISTING STANDARD MAILBOX IF IT IS LESS THAN 6 FT. 3) IF THE MAILBOX SUPPORT IS SPECIFIED TO BE REMOVED AND REERECTED OR REPLACED, WHERE GUARDRAIL IS REQUIRED, TURNOUT WIDTH SHALL EXTEND TO FACE OF GUARDRAIL AND MAILBOX SHALL BE INSTALLED BEHIND THE GUARDRAIL.

4) IF THE MAILBOX SUPPORT IS SPECIFIED TO BE REMOVED AND REFRECTED OR REPLACED, WHERE NO GUARDRAIL IS REQUIRED, TURNOUT WIDTH SHALL BE 6 FT. MAXIMUM.

1) 6 FT FOR SINGLE MAILBOX SUPPORT, ADD 3 FT. FOR EACH ADDITIONAL MAILBOX.

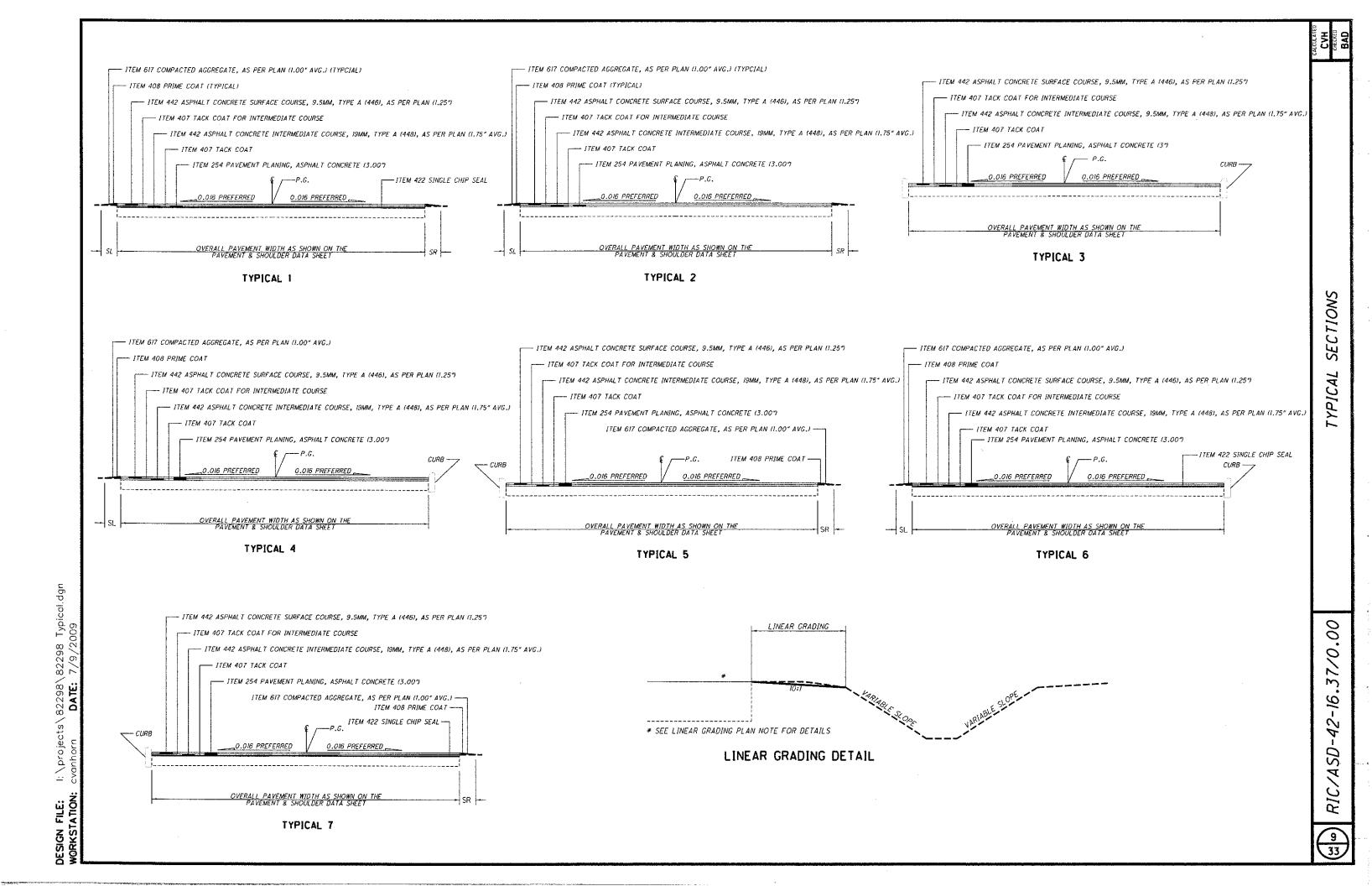


CROSS SECTION / ELEVATION VIEW



ANTI-TWIST PLATE

FOR DETAILS NOT SHOWN SEE STANDARD DRAWING BP-4.1



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NOTES

DETECTOR

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TYPE B

D **PULL BOX**

Х PULL BOX TYPE C

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TYPE D

PULL BOX

ITEM 632, DETECTOR LOOP, AS PER PLAN

AN ESTIMATED QUANTITY OF 632 DETECTOR LOOP, AS PER PLAN HAS BEEN PROVIDED WHEN WIRE IS CUT, BROKEN OR DESTROYED DUE TO PAVEMENT PLANING, PAVEMENT REPAIR OR BUTT JOINT OPERATIONS. THIS ITEM SHALL ALSO BE USED FOR REPLACEMENT OF DETECTOR LOOPS THAT HAVE BEEN DAMAGED DUE TO PAVEMENT FAILURE. IT IS IMPERATIVE THAT REPLACEMENT OF LOOP DETECTORS BE INSTALLED AND FULLY FUNCTIONAL IN THE SHORTEST POSSIBLE TIME. THE CONTRACTOR SHALL HAVE REPLACEMENT LOOP DETECTORS INSTALLED AND FULLY FUNCTIONAL WITHIN 7 CALENDAR DAYS OF DESTRUCTION OF THE ORIGINAL LOOP.

THE CONTRACTOR SHALL NOTIFY DISTRICT 3 TRAFFIC DEPARTMENT, PHONE 419-207-7184) 5 WORKING DAYS IN ADVANCE OF ANY PLANING OPERATIONS OR PAVEMENT REPAIR WORK THAT WILL DAMAGE DETECTOR LOOP INSTALLATIONS. THIS NOTIFICATION IS NEEDED FOR DISTRICT 3 TO SCHEDULE TEMPORARY SIGNAL TIMING MODIFICATIONS FOR THE TIME PERIOD WHEN THE DETECTOR LOOPS ARE OUT OF OPERATION. THE CONTRACTOR SHALL THEN RENOTIFY MR. HICKEY WITHIN 2 WORKING DAYS AFTER THE DAMAGED DETECTOR LOOPS ARE REPLACED SO THAT HE CAN RESCHEDULE DISTRICT CREWS TO RESTORE SIGNAL TIMINGS TO THE ORIGINAL SETTINGS.

FAILURE TO COMPLY WITH THE ABOVE STATED REQUIREMENTS WILL RESULT IN THE ASSESSMENT OF LIQUIDATED DAMAGES ACCORDING TO SECTION 108.07 OF THE CMS FOR EACH CALENDAR DAY BEYOND THE SPECIFIED LIMIT.

THE NEW LOOP DETECTORS SHALL BE PLACED AFTER THE PLANING AND PAVEMENT REPAIR OPERATIONS ARE COMPLETED WITHIN THE LOOP DETECTOR AREAS. THE LOOP DETECTORS SHALL NOT BE CUT INTO THE SURFACE COURSE.

NEW LOOP DETECTORS SHALL BE PLACED AT THE SAME LOCATIONS AND BE THE SAME SIZE AND TYPE AS THE EXISTING, OR AS DIRECTED BY THE ENGINEER. THE LOOP DETECTOR WIRE SHALL BE REPLACED TO THE PULL BOX OR POLE, WHICHEVER IS APPLICABLE, UNDER ITEM 632

THIS WORK SHALL INCLUDE THE POURED EPOXY INSULATED SPLICE(S) REQUIRED TO CONNECT THE LOOP DETECTOR WIRE TO EXISTING LEAD-IN CABLE AT THE PULL BOX OR POLE. THE SPLICES SHALL BE IN ACCORDANCE WITH SECTION 725.15 OF THE CMS. PAYMENT SHALL BE MADE PER EACH LOOP DETECTOR CONNECTED TO THE LEAD-IN CABLE.

THE CONTRACTOR WILL BE PROVIDED WITH DETAILED PLANS AT THE PRE CONSTRUCTION MEETING SHOWING DETECTOR LOOP PLACEMENTS. A TABLE SHOWING DIMENSIONS AND LOCATIONS IS PROVIDED BELOW FOR THE PURPOSE OF ESTIMATING.

PAYMENT FOR ALL THE ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID PER EACH OF ITEM 632 DETECTOR LOOP, AS PER PLAN.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY TO BE USED AS DIRECTED BY THE ENGINEER.

ITEM 632 DETECTOR LOOP, AS PER PLAN 3 EACH

THE INTERSECTIONS INVOLVED ARE AS FOLLOWS:

ROUTE	E SLM LOCATION	LOCATION	TVDF		DIMENS	ION	
NOU1E	2LM	LOCATION	TYPE	D	x	Y	Z
US 42	3.79	US 42 & BANEY RD.	В	28	6	6	
US 42	3.79	US 42 & BANEY RD.	В	28	6	6	
US 42	3.79	US 42 & BANEY RD.	А	40	8	20	
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RIC/ASD

LOCATIONS OF GUARDRAIL

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THE GUARDRAIL PROTECTION PROVIDED IN THIS PLAN SHALL BE LOCATED IN THE FIELD TO ASSURE THAT THE INSTALLATION WILL AFFORD THE MAXIMUM PROTECTION FOR TRAFFIC. THIS LOCATION SHALL BE POSITIONED AS FAR AS POSSIBLE FROM THE EDGE OF PAVEMENT WHILE MAINTAINING PROPER GRADE IN FRONT OF GUARDRAIL AS PER STANDARD DRAWINGS AND PLAN DETAILS.

ITEM 202 - ANCHOR ASSEMBLY REMOVED. TYPE A

THIS ITEM SHALL INCLUDE THE REMOVAL OF THE EXISTING TYPE A. ANCHOR ASSEMBLY INCLUDING ALL POSTS, HARDWARE, RAIL ELEMENTS, AND CONCRETE ANCHORS. ALL ITEMS REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALLBE PROPERLY DISPOSED OF.

THE EXISTING CONCRETE ANCHOR AND CONCRETE AT POSTS SHALL BE REMOVED ENTIRELY. ALL HOLES REMAINING AFTER REMOVAL SHALL BE FILLED WITH GRANULAR MATERIAL OR EXCESS MATERIAL RESULTING FROM GUARDRAIL CONSTRUCTION. ALL FILL MATERIAL SHALL BE THOROUGHLY COMPACTED AND LEVELED, AS DIRECTED BY THE ENGINEER.

PAYMENT FOR ALL OF THE ABOVE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 202, ANCHOR ASSEMBLY REMOVED, TYPE A.

ITEM 203 - EMBANKMENT, AS PER PLAN

AT SPECIFIED LOCATIONS AND LOCATIONS AS DIRECTED BY THE ENGINEER, EMBANKMENT SHALL BE PLACED AS TO PROVIDE A SUITABLE AREA TO CONSTRUCT GUARDRAIL AND TO PROVIDE STRUCTURAL INTEGRITY OF THE ROADWAY

EMBANKMENT MATERIAL SHALL BE LIMITED TO CMS ITEM 304 LIMESTONE.

AREAS WHERE EMBANKMENT MATERIAL IS TO BE PLACED SHALL BE SCALPED. THE REQUIREMENTS FOR BENCHING SHALL BE WAIVED. THE DEPTH OF LAYERS IN WHICH THE EMBANKMENT IS PLACED SHALL BE LIMITED TO EIGHT (8) INCHES IN THICKNESS. THE METHOD OF COMPACTION AND EQUIPMENT USED SHALL BE SUFFICIENT TO COMPACT 95% OF STANDARD PROCTOR TO THE SATISFACTION OF THE ENGINEER.

THE METHOD OF MEASUREMENT FOR EMBANKMENT MATERIAL SHALL BE BY THE NUMBER OF CUBIC YARDS CONVERTED BY TICKET WEIGHT IN THE CARRIER AT THE WORK SITE, IN LIEU OF THE REQUIREMENTS OF 203.09. PAYMENT FOR ACCEPTED QUANTITIES WILL BE MADE AT THE CONTRACT UNIT BID PRICE PER CUBIC YARD FOR ITEM 203 - EMBANKMENT, AS PER PLAN AND SHALL INCLUDE ALL WORK DESCRIBED ABOVE.

ITEM 606 - GUARDRAIL POST. 9 FOOT

THIS ITEM SHALL BE USED IN CONJUNCTION WITH ITEM 606 - GUARDRAIL, MISC.: ADJUST HEIGHT, EXISTING TYPE 5 GUARDRAIL, AND AS DIRECTED BY THE ENGINEER. IT SHALL CONSIST OF REPLACING EXISTING GUARDRAIL POSTS DEEMED BY THE ENGINEER TO BE INSUFFICIENT. THE POSTS SHALL BE OF THE SAME TYPE, SIZE, AND SPACING OF THE EXISTING GUARDRAIL RUN. THEY SHALL BE PLACED IN ACCORDANCE WITH STANDARD CONSTRUCTION DRAWING

ITEM 209 - RESHAPING UNDER GUARDRAIL. AS PER PLAN

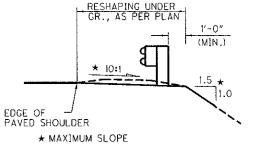
THIS ITEM SHALL BE USED AT LOCATIONS INDICATED IN THE PLANS.

THIS WORK SHALL BE COMPLETED AT LOCATIONS SPECIFIED FOR WORK AS WELL AS PER CMS 209.05 AND AS DESCRIBED HEREIN, AND SHALL AT ALL TIMES BE AS DIRECTED BY THE ENGINEER.

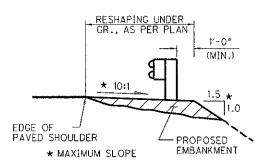
THE AREA IN FRONT OF, UNDER, AND BEHIND THE GUARDRAIL SHALL BE GRADED AND RESHAPED TO PROVIDE AN AREA THAT HAS A SLOPE OF 10:1 MAXIMUM (SEE DETAIL BELOW AS WELL AS THE GUARDRAIL DETAIL SHEETS FOR FURTHER DETAILS AND INFORMATION OF THE LIMITS OF THIS WORK).

EXCESS MATERIAL RESULTING SHALL BE USED ELSEWHERE FOR THIS ITEM IF SO DIRECTED OR DISPOSED OF PROPERLY. IF EXTRA MATERIAL IS REQUIRED IT SHALL BE PAID FOR WITH ITEM 203 - EMBANKMENT, AS PER PLAN. THIS WORK SHALL NOT BE STARTED UNTIL AFTER THE RESURFACING AND BERM WORK HAS BEEN COMPLETED.

THE ABOVE WORK SHALL BE PAID FOR PER STATION WITH ITEM 209, RESHAPING UNDER GUARDRAIL, AS PER PLAN WITH THE EXCEPTION OF ANY EXTRA MATERIAL REQUIRED TO MEET THE SLOPE REQUIREMENTS WHICH SHALL BE PAID BY ITEM 203 - EMBANKMENT, AS PER PLAN.



TYPICAL SECTION "TYPE 5"



TYPICAL SECTION "TYPE 5"

<u> ITEM 606 - ANCHOR ASSEMBLY, TYPE E-98</u>

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING EITHER OF THE FOLLOWING GUARDRAIL END TERMINALS.

1) THE ET-2000 (1997) MANUFACTURED BY TRINITY INDUSTRY, 1170 N. STATE ST., GIRARD, OHIO 44420 (TELEPHONE: 330-545-4373).

THE LENGTH OF THE ET-2000 (1997) SYSTEM IS CONSIDERED TO BE 50 FEET (15.24 m), INCLUSIVE OF TWO 25 FOOT (7.62 m) LONG RAIL ELEMENTS. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AS DETAILED ON THE FOLLOWING PRE-APPROVED SHOP DRAWINGS:

DWG. #	ORAWING NAME	DWG./REV. DATE	ODOT APPROVAL DATE
SS265M	ET-2000 (1997) PLAN, ELEVATION AND SECTIONS	6/20/97	3/6/98
55142	ET2000 PLUS 50'-0" PLAN, ELEVATION AND SECTION 25'-0" RAIL, SLEEVE W/PL POSTS 1-4	4/12/00	7/31/00
55141	ET-2000 PLUS PLAN, ELEVATION & SECTION 25'-O" RAIL, HBA POSTS 1-4	2/29/00	7/31/00
SS158	ET-2000 PLUS 50'-0" WITH 12'-6" PANELS & HBA POSTS 1-4 PLAN, ELEVATION & SECTION	5/22/00	7/31/00

2) THE SKT-350 MANUFACTURED BY ROAD SYSTEMS, INC., 2516 MALLORY LANE, STOW, OHIO 44224 (TELEPHONE; 330-346-0721)

THE LENGTH OF THE SKT-350 SYSTEM IS CONSIDERED TO BE 50'-0" (15.24 m), INCLUSIVE OF FOUR 12'-6" (3.81m) LONG RAIL ELEMENTS. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AS DETAILED ON THE FOLLOWING PRE-APPROVED SHOP DRAWINGS:

DWG. #	DRAWING NAME	DWG./REV. DATE	ODOT APPROVAL DATE
SKT-4M	SEOUENTIAL KINKING TERMINAL (SKT-350) ASSEMBLY WITH 4 FOUNDATION TUBES	12/11/97	3/6/98

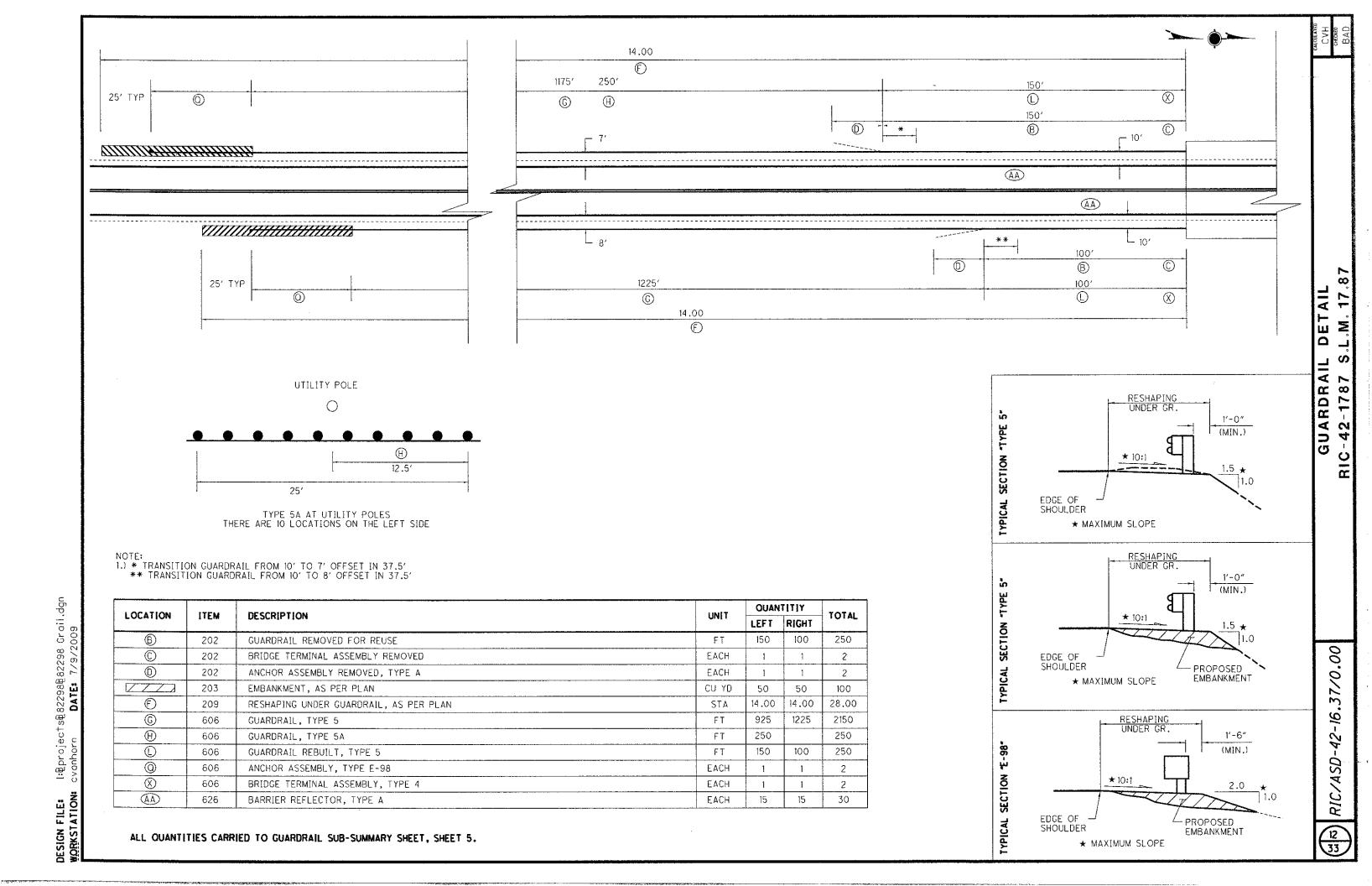
THE FACE OF THE TYPE E-98 IMPACT HEAD SHALL BE COVERED WITH A SHEET OF TYPE G REFLECTIVE SHEETING, PER CMS 730.19, APPROXIMATELY 18" x 18" (450mm X 450mm).

THE CONTRACTOR MAY USE A SALVAGED EXTRUDER WHEN ASSEMBLING THE ITEM 606 ANCHOR ASSEMBLY, TYPE E-98. ALL WELDS ON THE EXTERIOR OF THE SALVAGED EXTRUDER SHALL NOT BE DAMAGED AND THE FEEDER SHUTE SHALL NOT

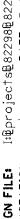
REFER TO THE MANUFACTURER'S INSTRUCTION REGARDING THE INSTALLATION OF, AND THE GRADING AROUND, THE FOUNDATION TUBES AND GROUND STRUT. THE TOP OF ANY FOUNDATION TUBE SHOULD BE LESS THAN 4 INCHES (100mm) ABOYE THE GROUND. THE PLACEMENT OF THE FOUNDATION TUBES SHOULD BE AN APPROPRIATE DEPTH BELOW THE LEVEL LINE IN ORDER TO MAINTAIN THE FINISHED GUARDRAIL HEIGHT OF 27% INCHES (706mm) FROM THE EDGE OF THE SHOULDER.

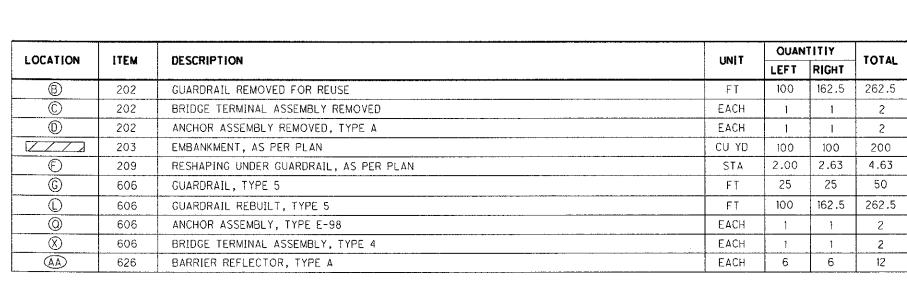
ON SITE GRADING IS REQUIRED IF THE TOP OF THE FOUNDATION TUBES OR TOP OF THE GROUND STRUT DOES NOT PROJECT MORE THAN 4 INCHES (100mm) ABOVE

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 606, ANCHOR ASSEMBLY, TYPE E-98, EACH, AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL ANCHOR ASSEMBLY SYSTEM, INCLUDING ALL RELATED TRANSITIONS, REFLECTIVE SHEETING, HARDWARE, GRADING, EMBANKMENT AND EXCAVATION NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.



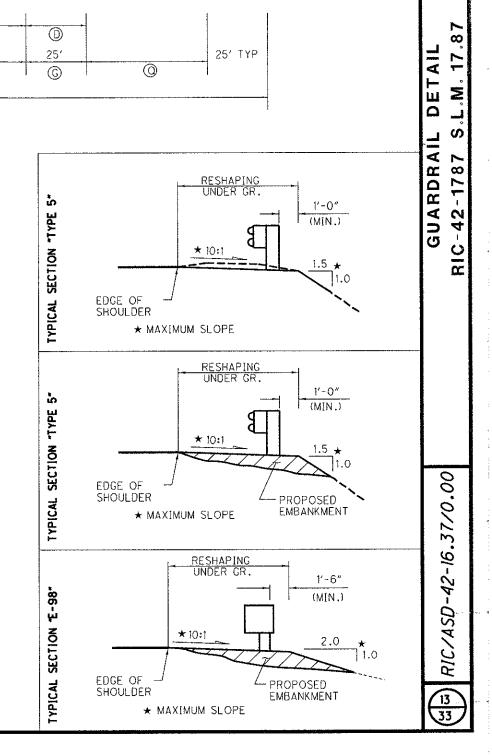






ALL QUANTITIES CARRIED TO GUARDRAIL SUB-SUMMARY SHEET, SHEET 5.

NOTE:
1.) MAINTAIN PRESENT OFFSET.
2.) BARIER REFLECTORS ON THE BRIDGE ARE INCLUDED IN THE QUANTITY BELOW.



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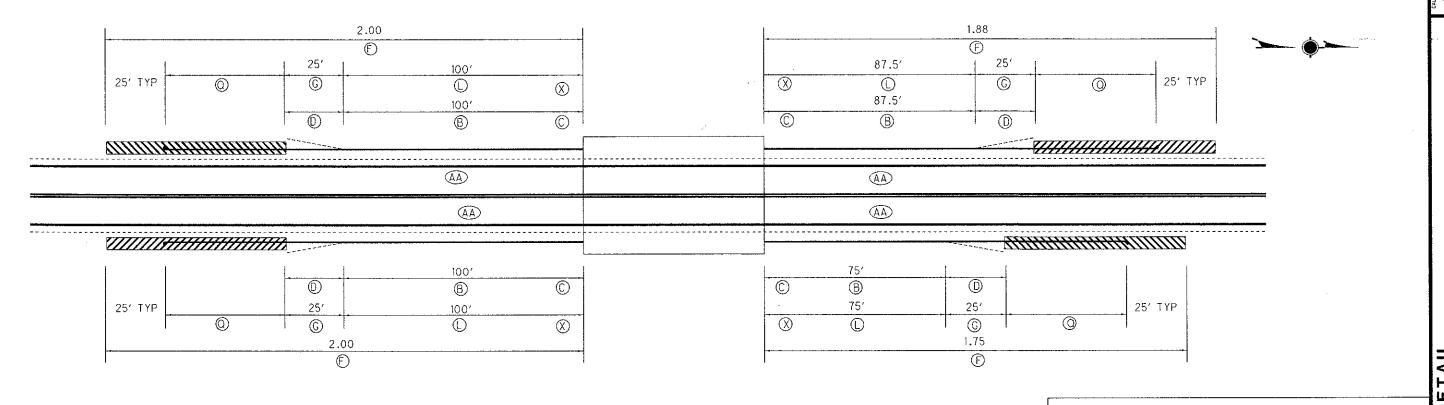
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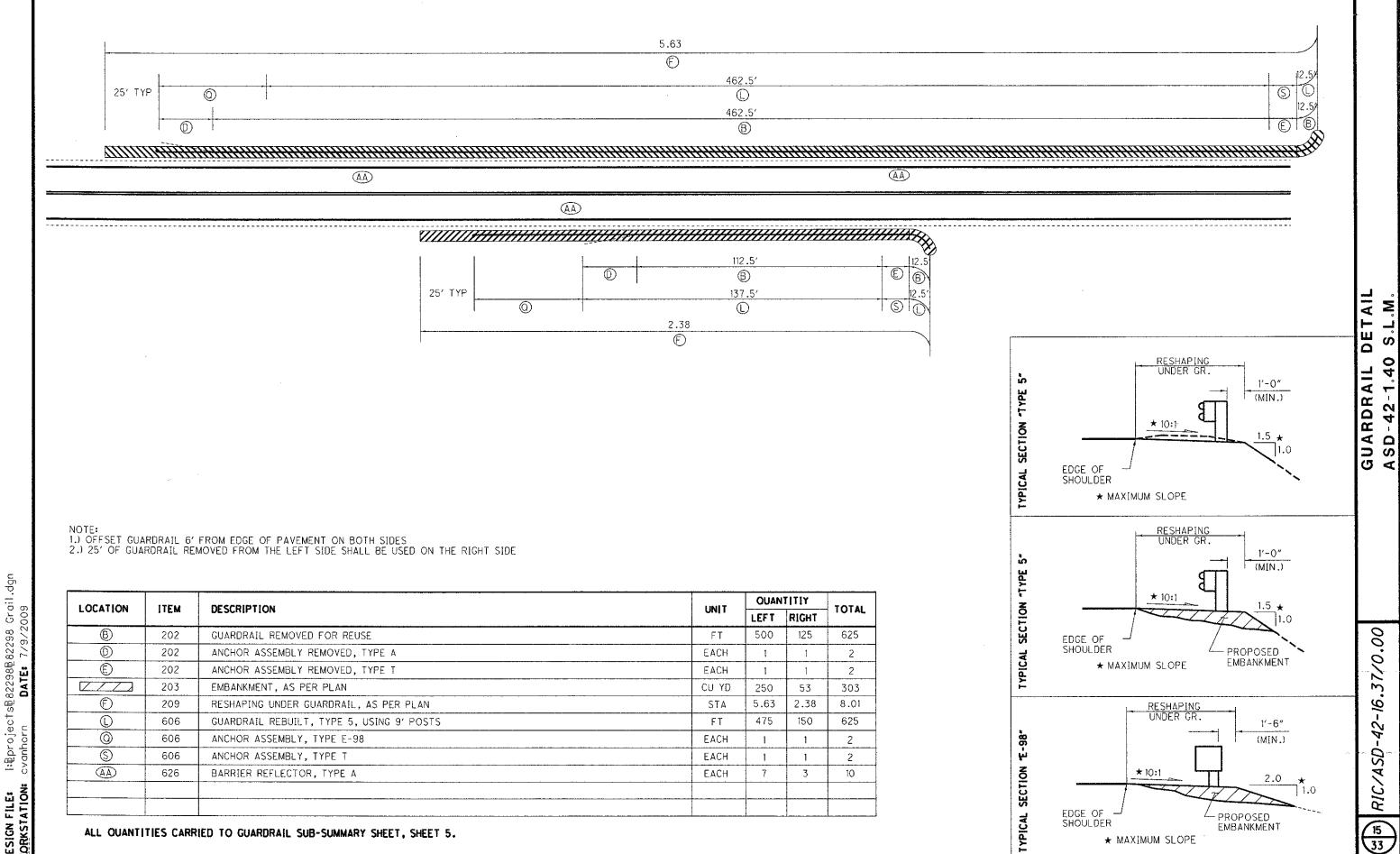




NOTE: 1.) MAINTAIN PRESENT OFFSET

LOCATION	1754	DESCRIPTION	LINET	QUAN	TITIY	TOTAL
LOCATION	ITEM	DESCRIPTION	UNIT	LEFT	RIGHT	TOTAL
®	202	GUARDRAIL REMOVED FOR REUSE	FT	187.5	175	362.5
0	606	BRIDGE TERMINAL ASSEMBLY REMOVED	EACH	2	2	4
0	202	ANCHOR ASSEMBLY REMOVED, TYPE A	EACH	2	2	4
7777	203	EMBANKMENT, AS PER PLAN	CU YD	100	100	200
Ð	209	RESHAPING UNDER GUARDRAIL, AS PER PLAN	STA	3.88	3.75	7.63
©	606	GUARDRAIL, TYPE 5	FT	50	50	100
()	606	GUARDRAIL REBUILT, TYPE 5	FT	187.5	175	362.5
0	606	ANCHOR ASSEMBLY, TYPE E-98	EACH	2	2	4
\otimes	606	BRIDGE TERMINAL ASSEMBLY, TYPE 4	EACH	2	2	4
(AA)	626	BARRIER REFLECTOR, TYPE A	EACH	5	5	10

TYPICAL SECTION "TYPE 5"	RESHAPING UNDER GR. 1'-0" (MIN.) * 10:1 * 10:1 * MAXIMUM SLOPE	GUARDRAIL DETA
TYPICAL SECTION "TYPE 5"	RESHAPING UNDER GR. 1'-0" (MIN.) * 10:1 1.5 * 1.0 EDGE OF SHOULDER * MAXIMUM SLOPE PROPOSED EMBANKMENT	37.00 00
TYPICAL SECTION "E-98"	RESHAPING UNDER GR. 1'-6" (MIN.) * 10:1 PROPOSED EMBANKMENT * MAXIMUM SLOPE	00 0/28 31-67-034/ 710 (213)

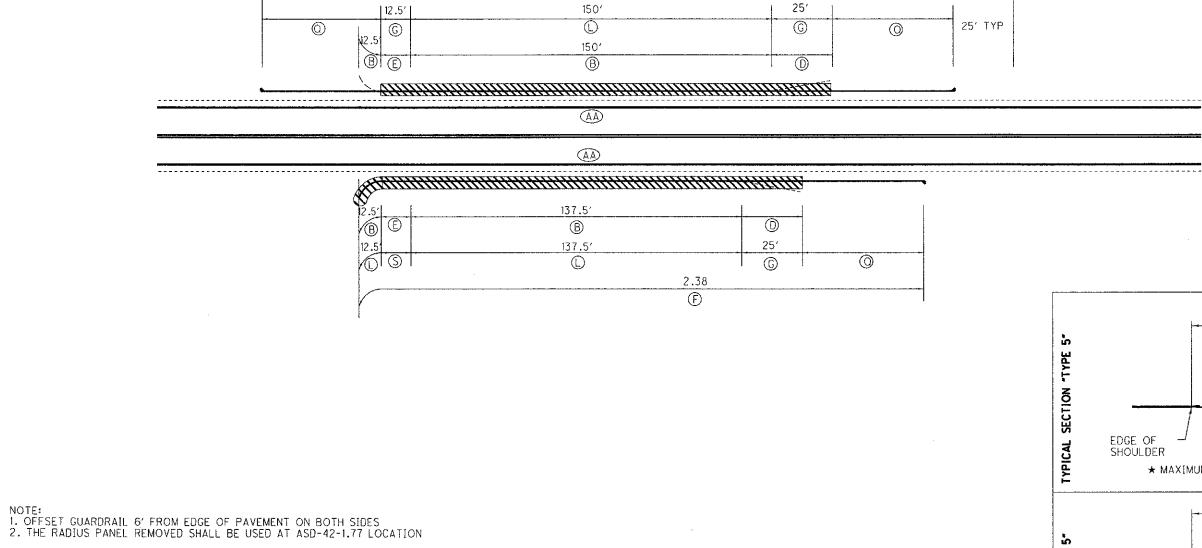


★ MAXIMUM SLOPE

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2.88 **(**E)

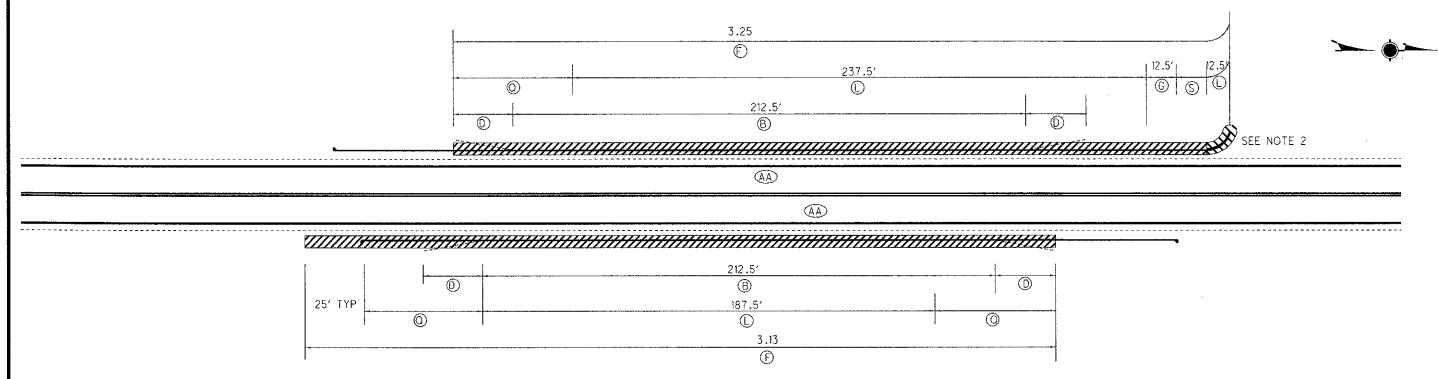
LOCATION	ITEM	DESCRIPTION	1 (ALE T	QUAN	TITIY	TOTAL
LOCATION	115W	DESCRIPTION	UNIT	LEFT	RIGHT	TOTAL
®	202	GUARDRAIL REMOVED FOR REUSE	FT	162.5	150	312.5
0	202	ANCHOR ASSEMBLY REMOVED, TYPE A	EACH	1	1	2
(E)	202	ANCHOR ASSEMBLY REMOVED, TYPE T	EACH	1	1	2
	203	EMBANKMENT, AS PER PLAN	CU YD	125	125	250
€	209	RESHAPING UNDER GUARDRAIL, AS PER PLAN	STA	2.88	2.38	5.26
©	606	GUARDRAIL, TYPE 5	FT	37.5	25	62.5
(L)	606	GUARDRAIL REBUILT, TYPE 5	FT	150	150	300
0	606	ANCHOR ASSEMBLY, TYPE E-98	EACH	2	1	3
<u>S</u>	606	ANCHOR ASSEMBLY, TYPE T	EACH		1	1
(AA)	626	BARRIER REFLECTOR, TYPE A	EACH	4	4	8

ALL QUANTITIES CARRIED TO GUARDRAIL SUB-SUMMARY SHEET, SHEET 5.

		DETAIL S.L.M.
TYPICAL SECTION "TYPE 5"	RESHAPING UNDER GR. 1'-0" (MIN.) * 10:1 1.5 * 1.0 EDGE OF SHOULDER * MAXIMUM SLOPE	GUARDRAIL DI ASD-42-1,60 (
TYPICAL SECTION "TYPE 5"	RESHAPING UNDER GR. 1'-0" (MIN.) * 10:1 1.5 * 1.0 EDGE OF SHOULDER * MAXIMUM SLOPE EMBANKMENT	37/0.00
TYPICAL SECTION "E-98"	RESHAPING UNDER GR. 1'-6" (MIN.) * 10:1 PROPOSED EMBANKMENT * MAXIMUM SLOPE	(H) RIC/ASD-42-16.37/0.00

DESIGN FILE: WORKSTATION:



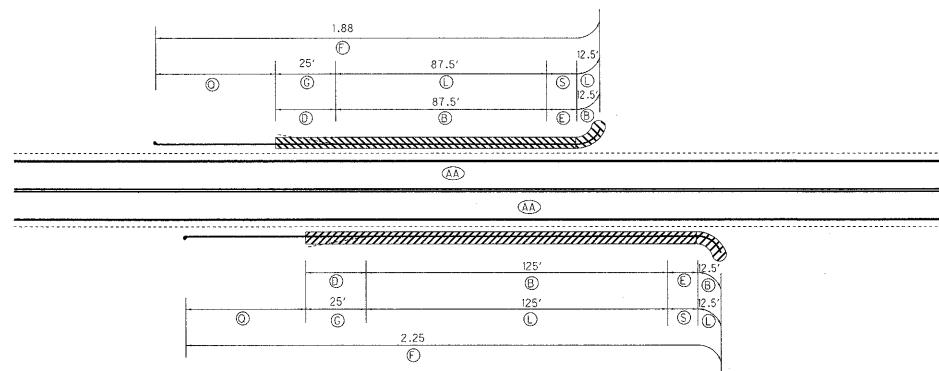


NOTE:
1. OFFSET GUARDRAIL 6' FROM EDGE OF PAVEMENT ON BOTH SIDES
2. THE RADIUS PANEL REMOVED FROM ASD-42-1.60 SHALL BE USED AT THIS LOCATION
3. 25' OF GUARDRAIL REMOVED FOR REUSE ON THE RIGHT SIDE SHALL BE USED TO REBUILD THE GUARDRAIL ON THE LEFT SIDE.

LOCATION	1754	DESCRIPTION	, mar T	QUAN	TITIY	TOTAL
LOCATION	ITEM	DESCRIPTION	UNIT	LEFT	RIGHT	TOTAL
B	202	GUARDRAIL REMOVED FOR REUSE	FT	212.5	212.5	425
0	202	ANCHOR ASSEMBLY REMOVED, TYPE A	EACH	2	2	4
	203	EMBANKMENT, AS PER PLAN	CU YD	144	128	272
Ð	209	RESHAPING UNDER GUARDRAIL, AS PER PLAN	STA	3.25	3.13	6.38
©	606	GUARDRAIL, TYPE 5	FT	12.5		12.5
(L)	606	GUARDRAIL REBUILT, TYPE 5	FT	250	187.5	437.5
0	606	ANCHOR ASSEMBLY, TYPE E-98	EACH	1	2	3
<u>S</u>	606	ANCHOR ASSEMBLY, TYPE T	EACH	1		1
(AA)	626	BARRIER REFLECTOR, TYPE A	EACH	5	5	10

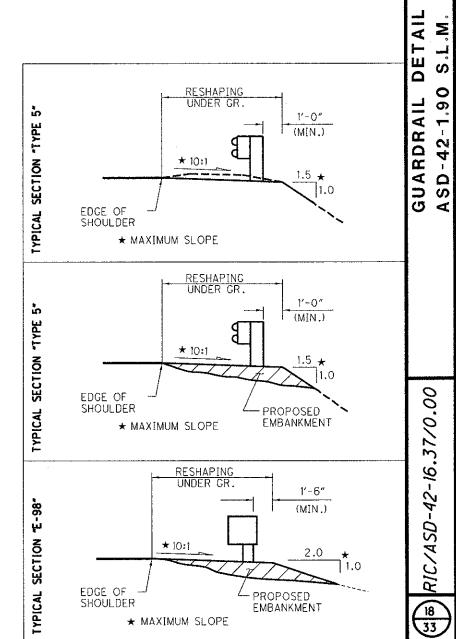
		DETAIL
TYPICAL SECTION "TYPE 5"	RESHAPING UNDER GR. 1'-0" (MIN.) * 10:1 EDGE OF SHOULDER * MAXIMUM SLOPE	GHARDRAH
TYPICAL SECTION "TYPE 5"	RESHAPING UNDER GR. 1'-0" (MIN.) * 10:1 1.5 * 1.0 EDGE OF SHOULDER * MAXIMUM SLOPE PROPOSED EMBANKMENT	
TYPICAL SECTION E-98"	RESHAPING UNDER GR. 1'-6" (MIN.) * 10:1 PROPOSED EMBANKMENT * MAXIMUM SLOPE	(

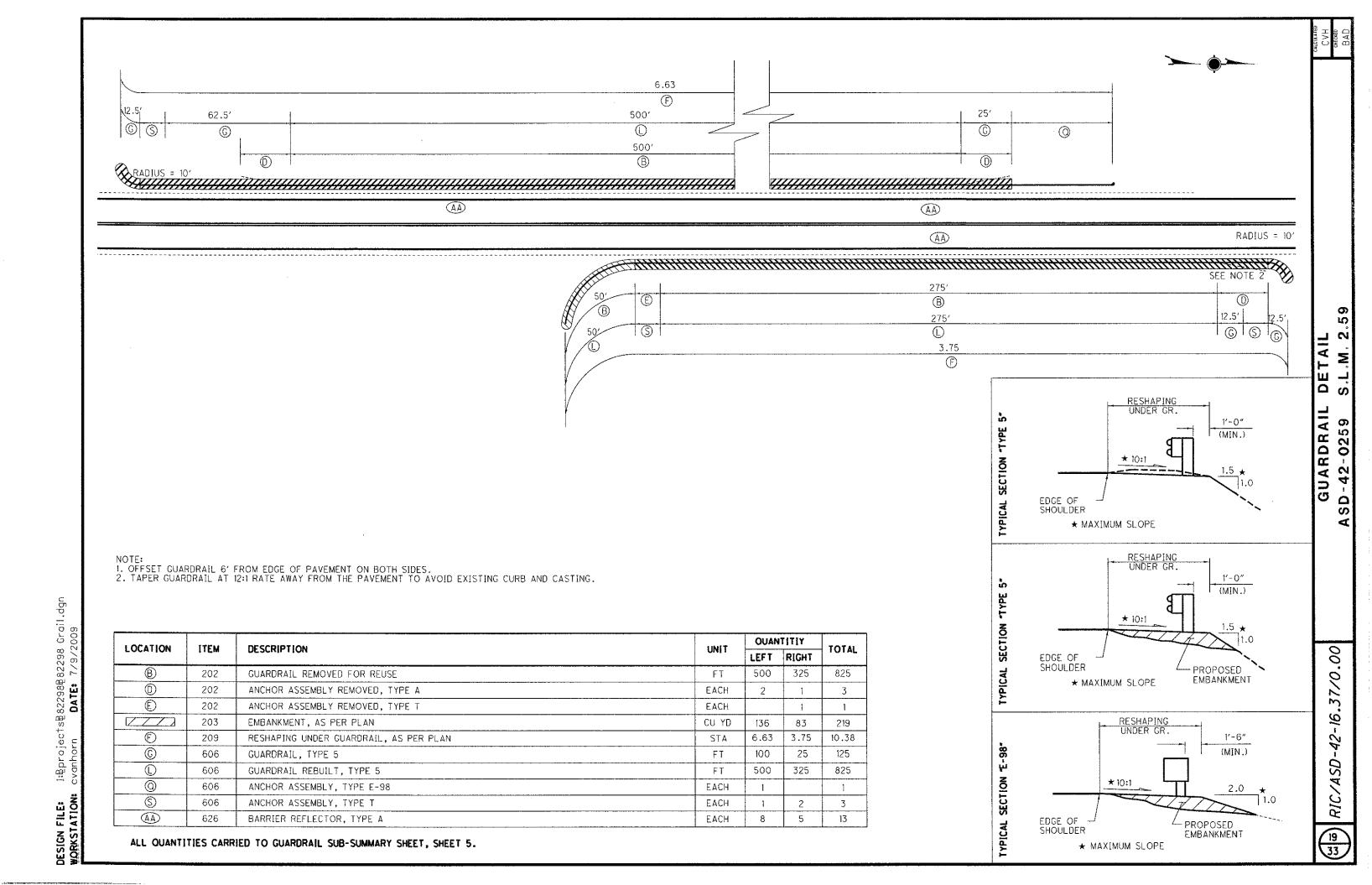




NOTE: 1. OFFSET GUARDRAIL 6' FROM EDGE OF PAVEMENT ON BOTH SIDES

LOCATION	ITEM	DESCRIPTION	UNIT	QUAN	TITIY	TOTAL
LOCATION	11E.W	DESCRIPTION	ONII	LEFT	RIGHT	TOTAL
®	202	GUARDRAIL REMOVED FOR REUSE	FT	100	137.5	237.5
0	202	ANCHOR ASSEMBLY REMOVED, TYPE A	EACH	1	1	2
(E)	202	ANCHOR ASSEMBLY REMOVED, TYPE T	EACH	1	1	2
	203	EMBANKMENT, AS PER PLAN	CU YD	61	78	139
Ð	209	RESHAPING UNDER GUARDRAIL, AS PER PLAN	STA	1.88	2.25	4 .13
©	606	GUARDRAIL, TYPE 5	FT	25	25	50
(L)	606	GUARDRAIL REBUILT, TYPE 5	FT	100	137.5	237.5
0	606	ANCHOR ASSEMBLY, TYPE E-98	EACH	1	1	2
<u>(S)</u>	606	ANCHOR ASSEMBLY, TYPE T	EACH	1	1	2
(AA)	626	BARRIER REFLECTOR, TYPE A	EACH	3	4	7





I:EprojectsE82298E82298 Grail.dgn ovanhorn **DATE:** 7/9/2009

DESIGN FILE:

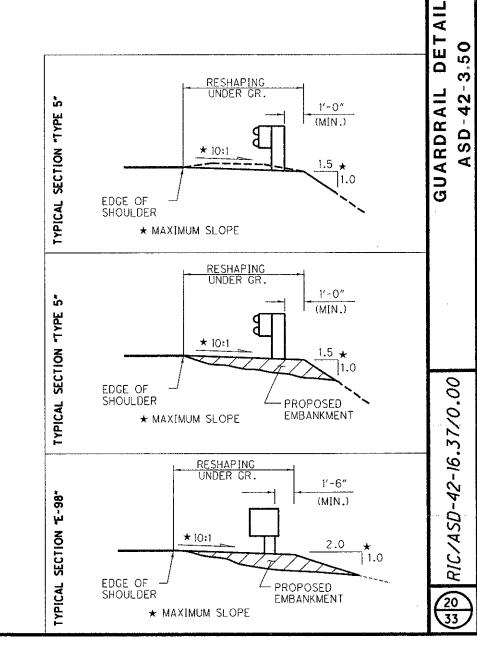
OVERHEAD SIGN SUPPORT

 \bigcirc AA

(AA)

OVERHEAD SIGN SUPPORT

LOCATION ITEM DESCRIPTION	UNIT		TITIY	TOTAL
	4	LEFT	RIGHT	TOTAL
203 EMBANKMENT, AS PER PLAN	CU YD	7	11	18
(AA) 626 BARRIER REFLECTOR, TYPE A	EACH	3	3	6



			T			T				14	AUXILIA	MI & L	_UNG L	INE MA		5 42, TYPE	1				·		644					
•								Γ Ι			10		*	EDGE	LINE	74, 1155	CENTE	RIINF				AUXILIAR			(40, 04)			
FUNDING	COUNTY	ROUTE		STATION / SLM	HIGHWAY MILES	WORK ZONE LANE LINE, CLASS , 642 PAINT	MORK ZONE CENTER LINE, CLASS II, 642 PAINT	WORK ZONE CHANNELIZING LINE, CLASS I, 642 PAINT	WORK ZONE CHANNELIZING LINE, CLASS III, 642 PAINT	WORK ZONE STOP LINE, CLASS I, 642 PAINT	WORK ZONE STOP LINE, CLASS III, 642 PAINT	WORK ZONE ARROW, CLASS I, 642 PAINT	WORK ZONE ARROW, CLASS III, 642 PAINT	TOTAL (PAY QUANTITY)	TOTAL (PAY QUANTITY)	ANE LINE	SOLID LINE EQUIVALENT	TOTAL (PAY QUANTITY)	Ç CHANNELIZING LINE	STOP LINE	TRANSVERSE/ DIAGONAL LINE (WHITE)	TRANSVERSE/ DIAGONAL	-,		THROUGH	COMBINATION	DOTTED LINE, 4"	HANDICAP SYMBOL MARKING
			FROM	TO	MILE	MILE	MILE	FT	FT	FT	FT	EACH	EACH	MILE	MILE	MILE	MILE	MILE	FT	FT	FT	FŤ		E/	ACH		FT	EACH
D/STATE	RIC	US 42	16.37	18.03	1.66		3.68	195	65			3	1	3.32			0.92	1.00	65	80		105	2		ļ'	1		
D/STATE	ASD	US 42	0.00	2.25	2.25	4.50	14.96	495	165			2	2	4.50		0.50	2.66	3.71	165	136		333	12		-		100	
D/STATE D/STATE	ASD ASD	US 42 US 42	2.25 3.29	3.29	0.34	1.50	7.23	495 1,920	165 320	····		4	2	2.08	0.99	0.50	2.41	2.78	165 320	60	620	740	10	2	-		100	
D/ J/ATE	AJU	03 72	3.23	3.03	0.34	1.00		1,320	JZV					0.33	0.55	0.01			320					1				
ED/CITY	ASD	US 42	3.63	3.79	0.16	0.64		630	210	108	36	6	2	0.32	0.32	0.16			210	36		750	3					
	·	ļ		1															0.10			75.0						
	ļ	T	OTAL FEI	FED/CITY		0.64 2.58	25.87	630	210 715	108	36	6 9	5	0.32	0.32	0.16	5.99	7.49	210 715	36 276	620	750	24	2	+		100	
		 	OTAL FEI	JAIL		2.30	23.01	3,103	. 113			3		10.03	0.33	1.11	3.33	7.43	710	210	020	1,110	27	۷.	 		100	
				TOTAL	5.45	3.22	25.87	3,735	925	108	36	15	7	11.21	1.31	1.33	5.99	7.49	925	312	620	1,928	27	2			100	
											RAIS	SED PA	VEMEN	T MARK	KERS													
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						RAISED MARKER	RPM	WHITE	MO	111		\										7				TURN L	ANE	
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D/STATE	ASD	US 42	0.00	0.86	GAP	58	58		58			<u></u>	CONTINU	JOUS ROUT	TE TREATM	MENT						11	·				NE TRANS	
D/STATE	ASD	US 42		1.36	7/13	63	63		57	6			···	RN LANES			LTL					12	· · · · · · · · · · · · · · · · · · ·		ARROW E			
D/STATE D/STATE	ASD ASD	US 42 US 42	1.36 2.65	2.65	GAP	83	83	-	83 30				4	UOS ROUT		MENT			······································			13	TWO W		FT TURN	1 LANE		
D/STATE	ASD	US 42	2.05	2.95	13	30	30 13		30 7	6				.L. & TAP LANES @				<u> </u>				14 15			CURVE			
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D/STATE	ASD	US 42		3.79	10/11	116	116	10	50	56				2-4 LAN			LANE-LIN	E				17	STOP	APPRO	ACH AL			
								ļ					AND STO	P APPRO	ACH @ BAI	VEY RD						18	FIRE H					
D/STATE	RIC	US 42	16.37	16.53	7	-	<u> </u>	 	17	4	-		1 7 1 44	VE & FIFE	IINC CALL	C DO						GAP	CENTER NOTES		AT 80	FT. TYP	٠	
D/STATE	RIC	US 42		18.03	GAP	21	21		17 101	4				NE @ FLEM Jous Rout									_		FS SHALL	L BF ST	TRIPED AT	T 12'
S. VIAIL	1110	00 72	10.00	10.00	GAI				101				CONTINC	,003 ROU	L INLAH	VIC.14							WIDTHS		.U UIIMEI	,	LD A	. 1900
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O O I: \projects\82298\82298 Pave Mark.dgn

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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 AND 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:

TYPE 3 WATERPROOFING AND ASPHALT CONCRETE OVERLAY

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
RIC-42-1788	RIC-42-17.86	1991
ASD-42-0015	RIC-42-16.85 ASD-42-0.00	1936 1976
ASD-42-0259	ASD-42-2.53	1989

CLEARING AND GRUBBING:

ANY WEEDS, BRANCHES, OR TREES THAT NEED TO BE REMOVED IN ORDER TO PERFORM THE WORK SHALL BE INCIDENTAL TO THE WORK THAT IS TO BE PERFORMED.

PLACING ASPHALT CONCRETE 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 202 - REMOVAL MISC .: DRIP STRIP

THIS ITEM SHALL BE USED TO REMOVE THE DRIP STRIP ALONG BOTH SIDES OF THE STRUCTURE. THE COST TO REMOVE THE UPPER SHORT PIECES OF DRIP STRIP IS INCIDENTAL TO THIS ITEM.

CARE SHALL BE TAKEN TO NOT DAMAGE THE EXISTING PRESTRESSED BEAMS. IF THE BEAMS ARE DAMAGED, THE CONTRACTOR SHALL REPAIR THE BEAMS TO THE SATISFACTION OF THE ENGINEER AT NO COST TO THE STATE.

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

ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN:

THIS ITEM SHALL BE USED TO PLANE THE REMAINING ASPHALT TO WITHIN 1/2" OF THE TOP OF THE BEAMS, THEN THE REMAINING 1/2" OF ASPHALT AND EXISTING WATERPROOFING SHALL BE REMOVED WITH HAND TOOLS. CARE SHALL BE TAKEN NOT TO GRIND INTO OR DAMAGE THE PRESTRESSED BEAMS. IF THE BEAMS ARE DAMAGED, THE CONTRACTOR SHALL REPAIR THE BEAMS TO THE SATISFACTION OF THE ENGINEER AT NO COST TO THE STATE.

TRAFFIC SHALL NOT BE ALLOWED ON THE SURFACE OF THE BARE CONCRETE BEAMS OR ON THE WATERPROOFING.

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

ITEM SPECIAL - STEEL DRIP STRIP

SEE STANDARD DRAWING DS-1-92 FOR DETAILS AND NOTES.

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

ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN:

PRIOR TO THE SURFACE CLEANING SPECIFIED IN 519.04 AND WITHIN 24 HOURS OF PLACING PATCHING MATERIAL. BLAST CLEAN ALL SURFACES TO BE PATCHED INCLUDING THE EXPOSED REINFORCING STEEL. ACCEPTABLE METHODS INCLUDE HIGH-PRESSURE WATER BLASTING WITH OR WITHOUT ABRASIVES IN THE WATER, ABRASIVE BLASTING WITH CONTAINMENT, OR VACUUM ABRASIVE BLASTING.

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

RIC/ASD-42-16.37/0.00

DISTRICT 3 E OF PRODUCTION

OFFICE

60/9

NOTE

GENERAL

RUCTURE

TWO WAY TRAFFIC ON STRUCTURE RIC-42-1788 SHALL BE MAINTAINED AT ALL TIMES EXCEPT THAT THROUGH TRAFFIC ON THIS STRUCTURE SHALL HAVE A SIGNALIZED CLOSURE AS SHOWN ON SHEET 27 FOR A MAXIMUM OF 5 CONSECUTIVE CALENDAR DAYS (TOTAL BOTH PHASES). THE 5 CONSECUTIVE DAYS SHALL BE CONSIDERED AS AN INTERIM COMPLETION DATE (SECTION 108) AND FOR EACH CALENDAR DAY BEYOND THE 5 CALENDAR DAYS THAT THE HIGHWAY REMAINS IN A SIGNALIZED CLOSURE, THE CONTRACTOR WILL BE ASSESSED LIQUIDATED DAMAGES AS PER CMS 108.07.

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

RIC-42-1788 AND ASD-42-0015 CANNOT HAVE LANE CLOSURES AT THE SAME TIME.

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.

ITEM 614 - MAINTAINING TRAFFIC FOR STRUCTURE ASD-42-0015:

TWO WAY TRAFFIC ON STRUCTURE ASD-42-0015 SHALL BE MAINTAINED AT ALL TIMES EXCEPT THAT THROUGH TRAFFIC ON THIS STRUCTURE SHALL HAVE A SIGNALIZED CLOSURE AS SHOWN ON SHEET 30 FOR A MAXIMUM OF 5 CONSECUTIVE CALENDAR DAYS (TOTAL BOTH PHASES). THE 5 CONSECUTIVE DAYS SHALL BE CONSIDERED AS AN INTERIM COMPLETION DATE (SECTION 108) AND FOR EACH CALENDAR DAY BEYOND THE 5 CALENDAR DAYS THAT THE HIGHWAY REMAINS IN A SIGNALIZED CLOSURE, THE CONTRACTOR WILL BE ASSESSED LIQUIDATED DAMAGES AS PER CMS 108.07.

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

RIC-42-1788 AND ASD-42-0015 CANNOT HAVE LANE CLOSURES AT THE SAME TIME.

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.

ITEM 614 - MAINTAINING TRAFFIC:

ON ALL OTHER STRUCTURES 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.

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

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH 614 AND OTHER APPLICABLE PORTIONS OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS AS WELL AS IN ACCORDANCE WITH THE OMUTCD.

PAYMENT FOR ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS NECESSARY TO PROVIDE THESE METHODS OF TRAFFIC CONTROL SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM 614 MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

DIST

NOT

TRAFFIC

MAINTAINING

0.00

ASD-42-16.37/

			BRIDGE	DECK DATA					ROADWAY DATA	
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.	SO.YD.			FT.	FT.	FT.
+ RIC-42-1735	OVER BRANCH OF FLEMMING FALLS CREEK	CONCRETE BOX				58° RF	ASPHALT			
+ RIC-42-1771	OVER BLACK FORK OF MOHICAN RIVER	CONCRETE BOX				0°	ASPHALT			
++ RIC-42-1788	OVER BLACK FORK OF MOHICAN RIVER	3- SPAN PRESTRESS BEAM	205′-10″±	44′±	1007	15° LF	ASPHALT	40	44	20
++ ASD-42-0015	OVER	2- SPAN	01/_7#.	40'±	767	000 1 5	ACDITAL T		70	
A30 42 0013	BRINDLE RUN CREEK	PRESTRESS BEAM	. 81′-7"±	40 ±	363	20° LF	ASPHALT	34	30	11
++ ASD-42-0259	OVER OHLEN RUN	3-SIDED PRECAST CONCRETE ARCH				19° 30′ RF	ASPHALT			
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DISTRICT 3
OFFICE OF PRODUCTION

BRIDGE TREATMENT

(E B) RIC / ASD-42-16.37 / 0.00

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⁺ PLANE AND PAVE OVER 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)

ITEM	EXTENSION	OUANTITY	UNIT	DESCRIPTION	REFERENCE SHEET
202	98200	412	FŢ	REMOVAL MISC.: DRIP STRIP	22
254	01001	993	SQ YD	PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN	22
407	10000	81	GALLON	TACK COAT	3
409	30000	183	FT	SAWING AND SEALING ASPHALT CONCRETE PAVEMENT JOINTS	
442	20201	30	CU YD	ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE A (448), AS PER PLAN	4
512	10100	191	SQ YD	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
512	33010	1006	SQ YD	TYPE 3 WATERPROOFING	
SPECIAL	51822300	511	FT	STEEL DRIP STRIP	22
614	13202	32	EACH	BARRIER REFLECTOR, TYPE A2	
614	21000	.06	MILE	WORK ZONE CENTER LINE, CLASS 1 (WHITE)	
614	22000	.40	MILE	WORK ZONE EDGE LINE, CLASS 1 (WHITE)	
614	26000	24	FT	WORK ZONE STOP LINE, CLASS 1	

ASD-42-0015 SFN 0301027 (FEDERAL/STATE)

ITEM	EXTENSION	QUANTITY	UNIT	DESCRIPTION	REFERENCE SHEET
202	98200	155	FT	REMOVAL MISC.: DRIP STRIP	22
254	01001	378	SQ YD	PAVEMENT PLANING ASPHALT CONCRETE, AS PER PLAN	22
407	10000	30	GALLON	TACK COAT	3
409	30000	64	FΪ	SAWING AND SEALING ASPHALT CONCRETE PAVEMENT JOINTS	
442	20201	25	CU YD	ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE A (448), AS PER PLAN	4
512	10100	83	SQ YD	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
512	33010	378	SQ YD	TYPE 3 WATERPROOFING	
SPECIAL	51822300	191	FT	STEEL DRIP STRIP	22
519	11101	57	SQ FT	PATCHING CONCRETE STRUCTURE, AS PER PLAN	22
614	13202	14	EACH	BARRIER REFLECTOR, TYPE A2	
614	21000	.06	MILE	WORK ZONE CENTER LINE, CLASS 1 (WHITE)	
614	22000	.27	MILE	WORK ZONE EDGE LINE, CLASS 1 (WHITE)	
614	26000	24	FT	WORK ZONE STOP LINE, CLASS 1	

ASD-42-0259 SFN 0301078 (FEDERAL/STATE)

ITEM	EXTENSION	QUANTITY	UNIT	DESCRIPTION	REFERENCE SHEET
512	10100	72	SQ YD		

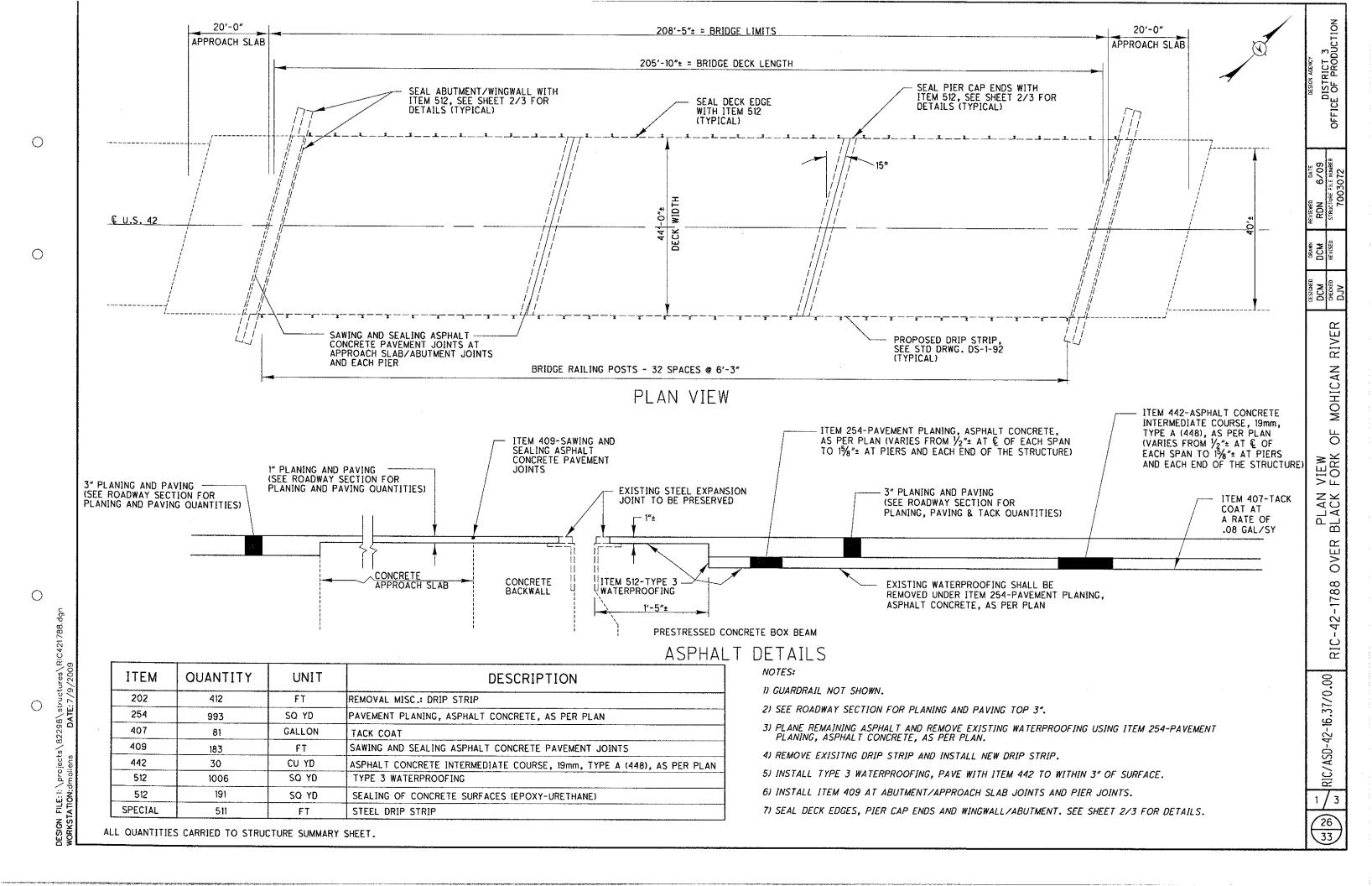
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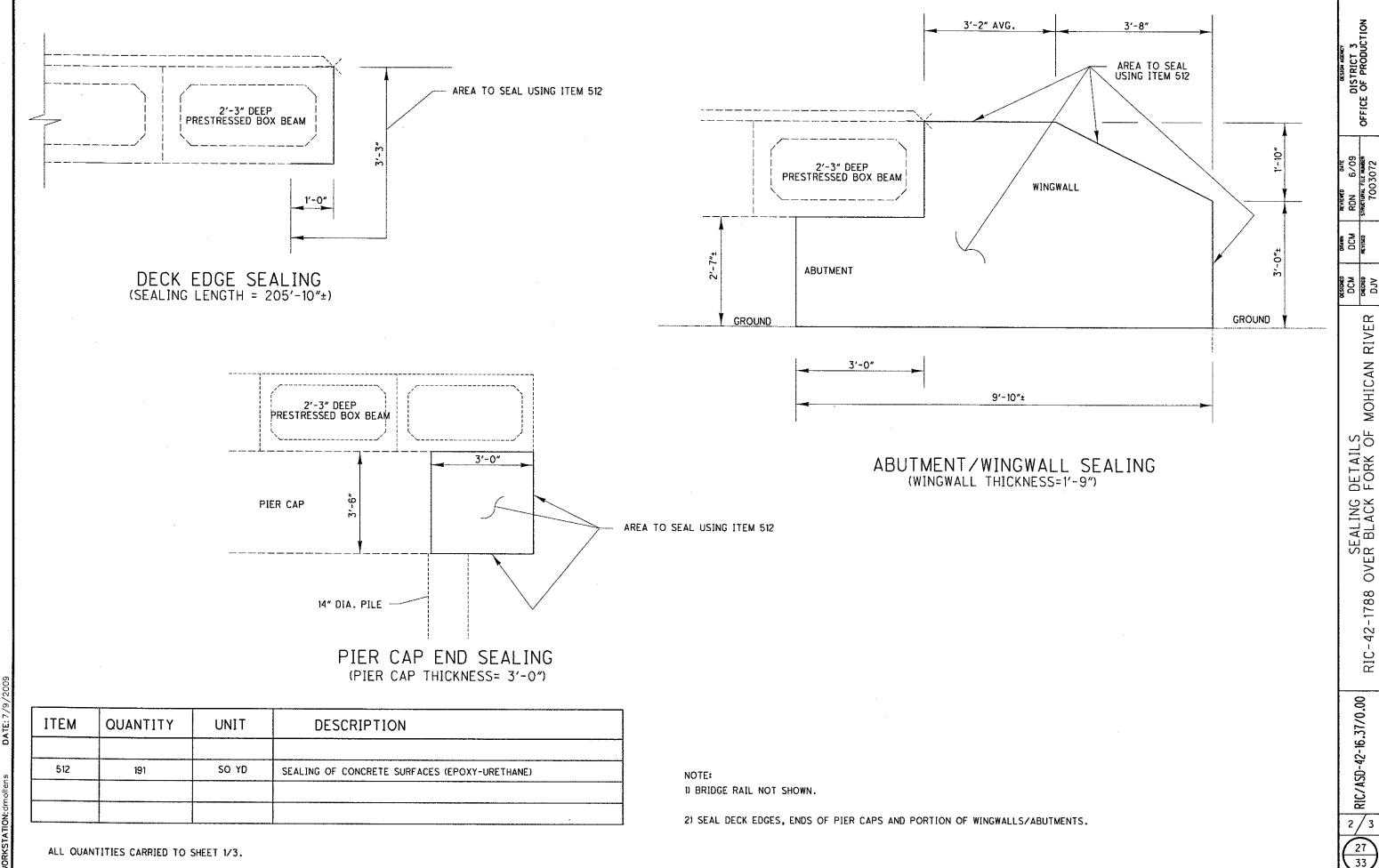
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SUMMARY

STRUCTURE



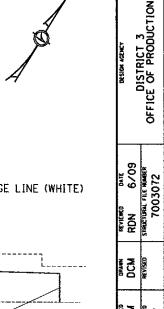


2) SEAL DECK EDGES, ENDS OF PIER CAPS AND PORTION OF WINGWALLS/ABUTMENTS.

ALL QUANTITIES CARRIED TO SHEET 1/3.

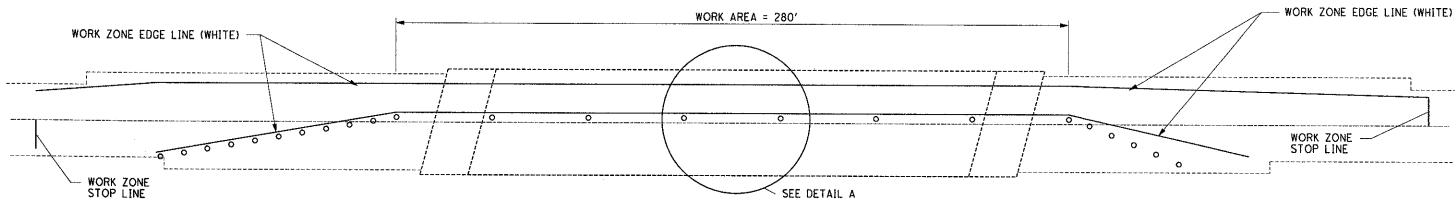
FOR DETAILS NOT SHOWN SEE STANDARD DRAWINGS MT-96.11, MT-96.20, MT-96.26





MAINTENANCE OF TRAFFIC RIC-42-1788 OVER BLACK FORK OF MOHICAN RIVER

RIC/ ASD-42-16.37 / 0.00



SIGNAL TIMING

A TWO PHASE CONTROLLER WITH CABINET CAPABLE OF BEING SET WITH THE FOLLOWING SPLITS SHALL BE FURNISHED

CYCLE LENGTH: 180 SECONDS

GREEN AMBER RED

PHASE A 70 PHASE B

THE ABOVE TIMING MAYBE CHANGED WITH THE APPROVAL OF THE ENGINEER

PHASE	Α	SHOWN
PHASE	В	SIMILAR

EDGE OF BRIDGE DECK	
	6'-0"
WORK ZONE EDGE LINE (WHITE)	*
1'-0"	
0	9
© U.S. 42	DRUM
	23' WORKZONE
EDGE OF BRIDGE DECK	

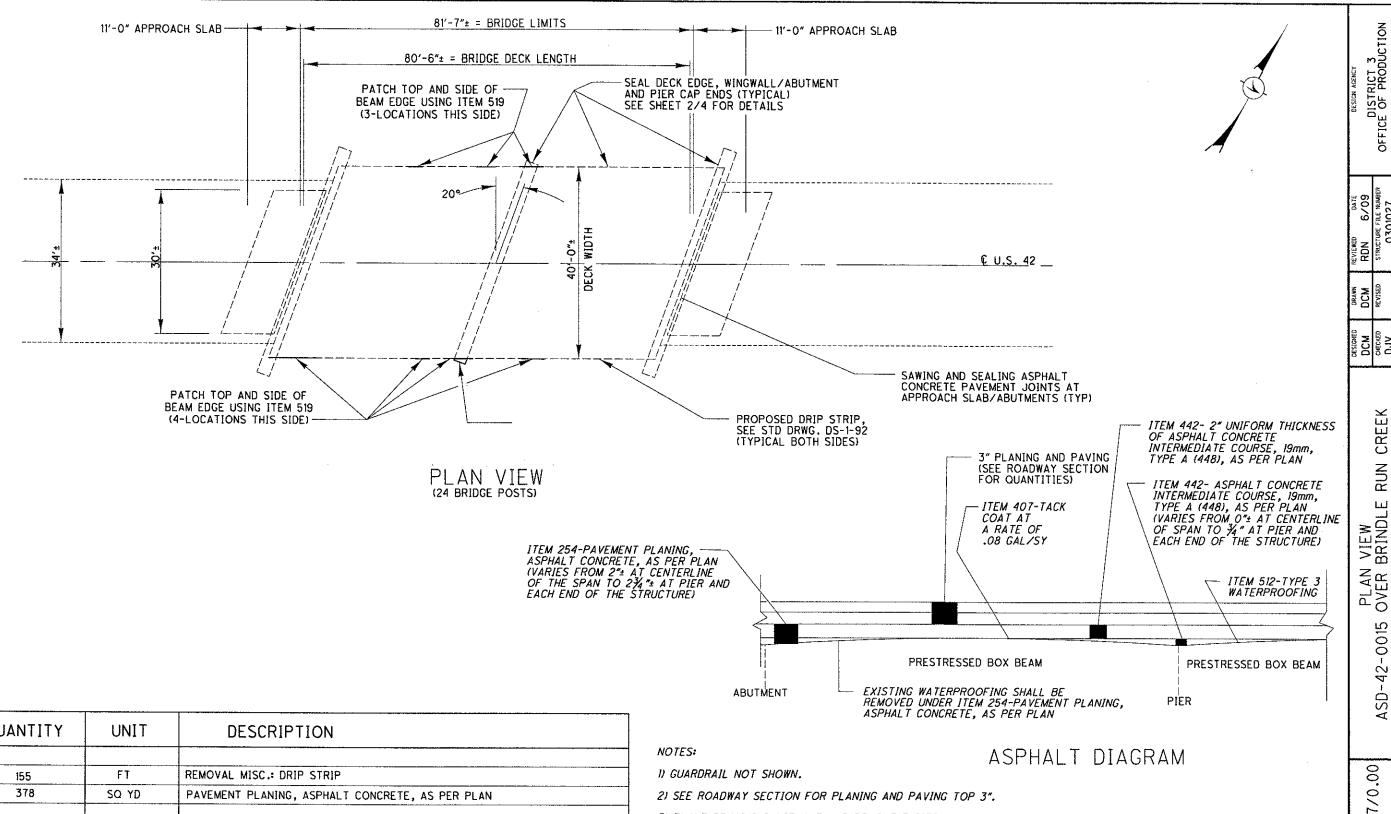
DETAIL A

NOTES:

1) THE EXISTING BRIDGE RAILING AND GUARDRAIL ARE NOT SHOWN IN THE PLAN VIEW

ITEM	OUANTITY	UNIT	DESCRIPTION	
614	32	EACH	BARRIER REFLECTOR, TYPE A2	
614	.06	MILE	WORK ZONE CENTER LINE, CLASS 1 (SOLID DOUBLE)	
614	.40	MILE	WORK ZONE EDGE LINE, CLASS ! (WHITE)	
614	24	FT.	WORK ZONE STOP LINE, CLASS 1	

ALL QUANTITIES CARRIED TO STRUCTURE SUMMARY SHEET



ITEM	QUANTITY	UNIT	DESCRIPTION
202	155	FT	REMOVAL MISC.: DRIP STRIP
254	378	SQ YD	PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN
407	30	GALLON	TACK COAT
409	64	FT	SAWING AND SEALING ASPHALT CONCRETE PAVEMENT JOINTS
442	25	CU YD	ASPHALT CONCRETE INTERMEDIATE COURSE, 19mm, TYPE A (448), AS PER PLAN
512	378	SQ YD	TYPE 3 WATERPROOFING
512	83	SQ YD	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)
SPECIAL	191	FT	STEEL DRIP STRIP
519	57	SQ FT	PATCHING CONCRETE STRUCTURE, AS PER PLAN

ALL QUANTITIES CARRIED TO STRUCTURE SUMMARY SHEET.

- 3) PLANE REMAINING ASPHALT AND REMOVE EXISTING WATERPROOFING USING ITEM 254-PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN.
- 4) REMOVE EXISTING DRIP STRIP.
- 5) PATCH END OF PIER CAP USING ITEM 519. SEE SHEET 3/4 FOR DETAILS.
- 6) PATCH EDGES OF PRESTRESSED BOX BEAM WITH ITEM 519. SEE SHEET 3/4 FOR DETAILS.
- 7) INSTALL NEW DRIP STRIP USING ITEM SPECIAL.
- 8) SEAL WINGWALLS/ ABUTMENTS AND BEAM EDGES, SEE SHEET 2/4 FOR DETAILS.
- 9) PLACE TYPE 3 WATERPROOFING ON BRIDGE DECK AND 2'-O" ONTO APPROACH SLABS AS PER CMS 512.08 AND REPAVE.
- 10) INSTALL ITEM 409 AT ABUTMENT/APPROACH SLAB JOINTS.

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DISTRICT 3 OFFICE OF PRODUCTION

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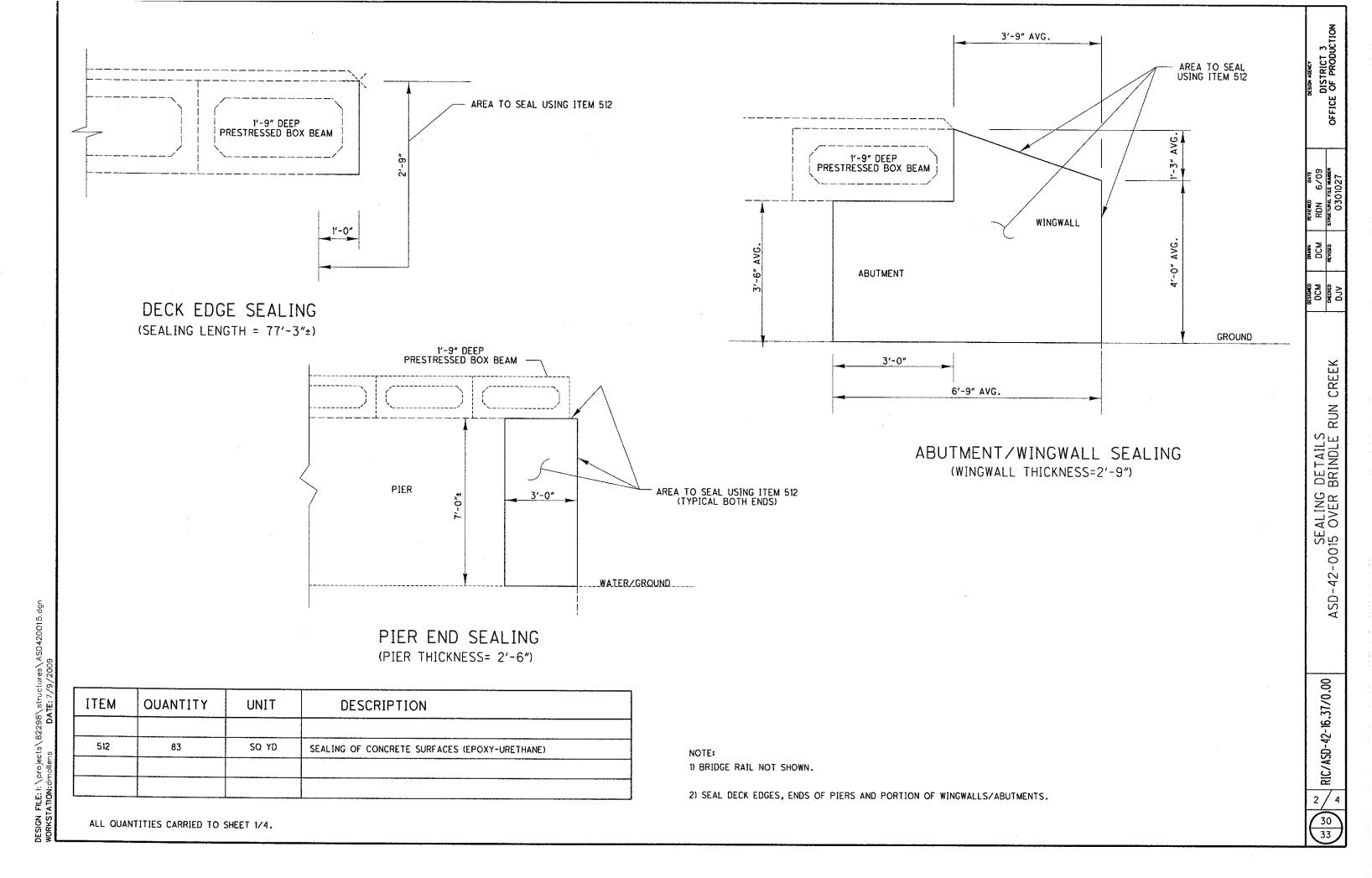
RUN

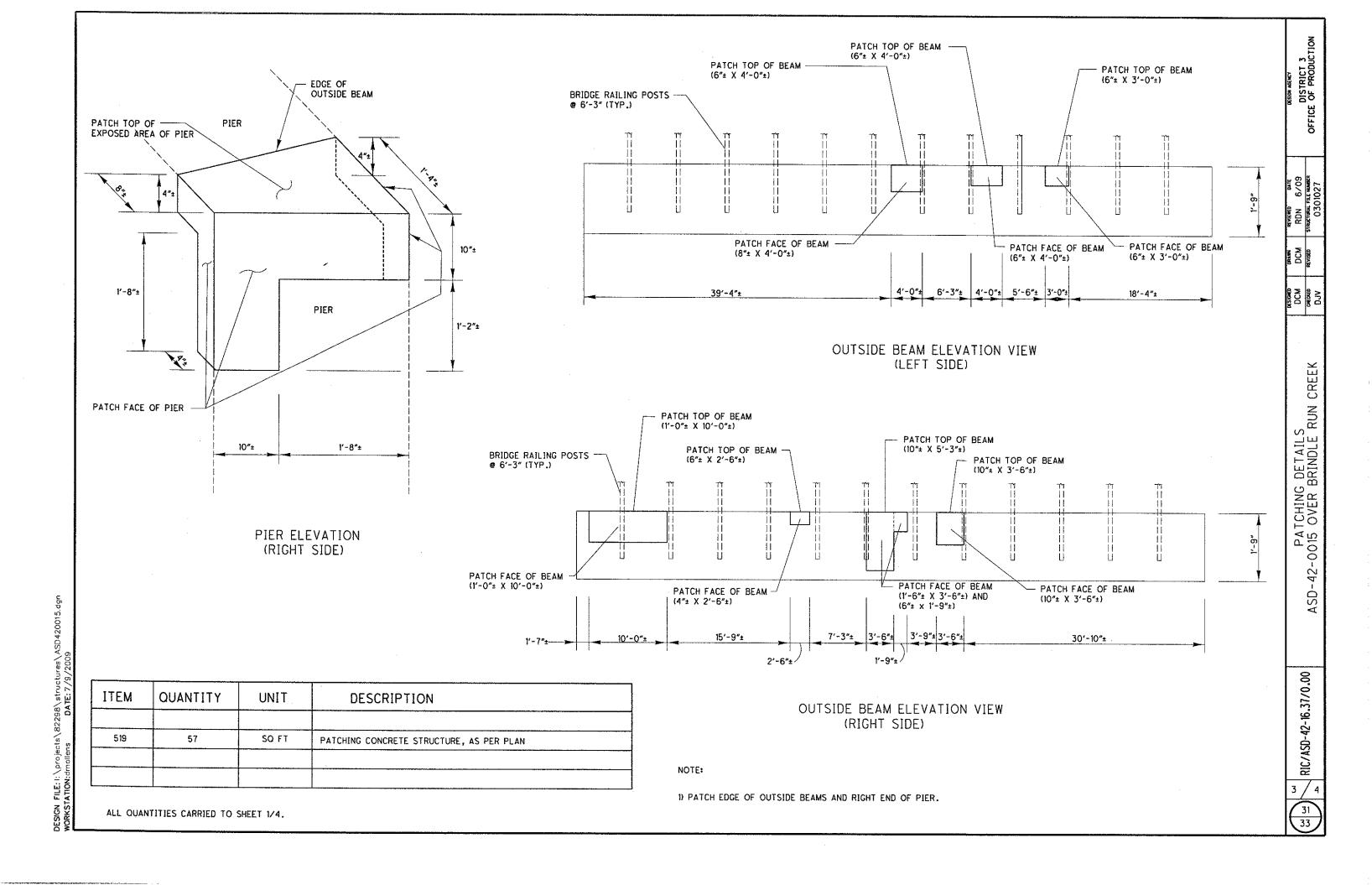
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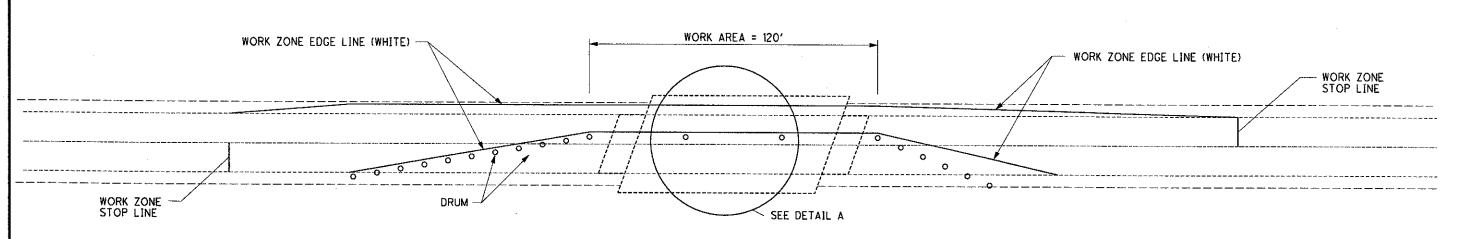




FOR DETAILS NOT SHOWN SEE STANDARD DRAWINGS MT-96.11, MT-96.20, MT-96.26



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PHASE A SHOWN PHASE B SIMILAR

SIGNAL TIMING

A TWO PHASE CONTROLLER WITH CABINET CAPABLE OF BEING SET WITH THE FOLLOWING SPLITS SHALL BE FURNISHED

CYCLE LENGTH: 180 SECONDS

GREEN AMBER RED

UNIT

PHASE A 75 5 10 PHASE B 75 5 10

QUANTITY

THE ABOVE TIMING MAYBE CHANGED WITH THE APPROVAL OF THE ENGINEER

EDGE OF BRIDGE DECK	
	4'-0"
WORK ZONE EDGE LINE (WHITE)	
0	9
© U.S. 42 2'-0"	DRUM
	22' WORKZONE
EDGE OF BRIDGE DECK	

DETAIL A

NOTES:

614	14	EACH	BARRIER REFLECTOR, TYPE A2	
614	.06	MILE	WORK ZONE CENTER LINE, CLASS 1 (SOLID DOUBLE)	
614	.27	MILE	WORK ZONE EDGE LINE, CLASS 1 (WHITE)	
614	24	FΥ.	WORK ZONE STOP LINE, CLASS 1	

DESCRIPTION

ALL QUANTITIES CARRIED TO STRUCTURE SUMMARY SHEET

1) THE EXISTING BRIDGE RAILING AND GUARDRAIL ARE NOT SHOWN IN THE PLAN VIEW

SIGN FILE: I: \projects\82298\structures\ASD420015MO NRKSTATION:dmollens DATE: 7/9/2009

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MAINTENANCE OF TRAFFIC ASD-42-0015 OVER BRINDLE RUN CREEK

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