



TRANSPORTATION CABINET

Frankfort, Kentucky 40622
www.kentucky.gov

Steven L. Beshear
Governor

Joseph W. Prather
Secretary

July 16, 2008

CALL NO. 100
CONTRACT ID NO. 081124
ADDENDUM # 2

Subject: Letcher County, APD 119-1 (37)
Letting July 25, 2008

- (1) Revised - Plan Sheets - R2, R2A, R2B, R2E
- (2) Revised - Bid Items - Pages 103-107 of 108
- (3) Delete - Page 108 of 108

Proposal revisions are available at <http://transportation.ky.gov/contract/>.
Plan sheet revisions are mailed to all plan holders.

If you have any questions, please contact us at 502-564-3500.

Sincerely,

A handwritten signature in black ink, appearing to read "Steve Waddle".

Steve Waddle
Director
Division of Construction Procurement

Enclosures
SW:ks



An Equal Opportunity Employer M/F/D

CONTRACT ID: 081124
 COUNTY: LETCHER
 PROPOSAL: APD 119-1 (37)

PAGE: 1
 LETTING: 07/25/08
 CALL NO: 100

LINE NO	ITEM	DESCRIPTION	APPROXIMATE UNIT QUANTITY	UNIT PRICE	AMOUNT

	SECTION 0001	ROADWAY			
0010	00001	DGA BASE	11,188.000 TON		
0020	00018	DRAINAGE BLANKET-TYPE II-ASPH	5,462.000 TON		
0030	00020	TRAFFIC BOUND BASE	106.000 TON		
0040	00078	CRUSHED AGGREGATE SIZE NO 2	20.000 TON		
0050	00100	ASPHALT SEAL AGGREGATE	25.000 TON		
0060	00212	CL2 ASPH BASE 1.00D PG64-22	1,979.000 TON		
0070	00214	CL3 ASPH BASE 1.00D PG64-22 REVISED 7-16-08	3,893.000 TON		
0080	00291	EMULSIFIED ASPHALT RS-2	3.000 TON		
0090	00358	ASPHALT CURING SEAL	12.000 TON		
0100	00388	CL3 ASPH SURF 0.38B PG64-22 REVISED 7-16-08	1,260.000 TON		
0110	00462	CULVERT PIPE-18 IN	34.000 LF		
0120	00464	CULVERT PIPE-24 IN	105.000 LF		
0130	00470	CULVERT PIPE-48 IN	252.000 LF		
0140	01000	PERFORATED PIPE-4 IN	8,584.000 LF		
0150	01010	NON-PERFORATED PIPE-4 IN	699.000 LF		
0160	01020	PERF PIPE HEADWALL TY 1-4 IN	11.000 EACH		
0170	01028	PERF PIPE HEADWALL TY 3-4 IN	2.000 EACH		
0180	01032	PERF PIPE HEADWALL TY 4-4 IN	5.000 EACH		
0190	01310	REMOVE PIPE	148.000 LF		
0200	01451	S & F BOX INLET-OUTLET-24 IN	1.000 EACH		

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LINE NO	ITEM	DESCRIPTION	APPROXIMATE UNIT QUANTITY	UNIT PRICE	AMOUNT
0210	01480	CURB BOX INLET TYPE B	1.000 EACH		
0220	01493	DROP BOX INLET TYPE 2	1.000 EACH		
0230	01585	REMOVE DROP BOX INLET	1.000 EACH		
0240	01890	ISLAND HEADER CURB TYPE 1	100.000 LF		
0250	01982	DELINEATOR FOR GUARDRAIL-WHITE	34.000 EACH		
0260	02091	REMOVE PAVEMENT	655.000 SQYD		
0270	02159	TEMP DITCH	4,395.000 LF		
0280	02223	GRANULAR EMBANKMENT	101,664.000 CUYD		
0290	02230	EMBANKMENT IN PLACE	183,239.000 CUYD		
0300	02242	WATER	132.000 MGAL		
0310	02262	FENCE-WOVEN WIRE TYPE 1	4,569.000 LF		
0320	02265	REMOVE FENCE	364.000 LF		
0330	02360	GUARDRAIL TERMINAL SECTION NO 1	5.000 EACH		
0340	02363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	4.000 EACH		
0350	02381	REMOVE GUARDRAIL	210.000 LF		
0360	02391	GUARDRAIL END TREATMENT TYPE 4A	3.000 EACH		
0370	02429	RIGHT-OF-WAY MONUMENT TYPE 1	7.000 EACH		
0380	02432	WITNESS POST	7.000 EACH		
0390	02488	CHANNEL LINING CLASS IV	1,692.000 CUYD		
0400	02545	CLEARING AND GRUBBING 15 ACRES	(1.00) LS		
0410	02562	SIGNS	549.000 SQFT		

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LINE NO	ITEM	DESCRIPTION	APPROXIMATE UNIT QUANTITY	UNIT PRICE	AMOUNT
0420	02585	EDGE KEY	25.000 LF		
0430	02596	FABRIC-GEOTEXTILE TYPE I	2,586.000 SQYD		
0440	02598	FABRIC-GEOTEXTILE TYPE III	305.000 SQYD		
0450	02599	FABRIC-GEOTEXTILE TYPE IV	36,585.000 SQYD		
0460	02600	FABRIC GEOTEXTILE TY IV FOR PIPE	18.000 SQYD	2.00	36.00
0470	02625	REMOVE HEADWALL	1.000 EACH		
0480	02650	MAINTAIN & CONTROL TRAFFIC	(1.00) LS		
0490	02651	DIVERSIONS (BY-PASS DETOURS)	(1.00) LS		
0500	02692	SETTLEMENT PLATFORM	1.000 EACH		
0510	02696	SHOULDER RUMBLE STRIPS-SAWED	6,298.000 LF		
0520	02701	TEMP SILT FENCE	3,182.000 LF		
0530	02702	SAND FOR BLOTTER	37.000 TON		
0540	02703	SILT TRAP TYPE A	3.000 EACH		
0550	02704	SILT TRAP TYPE B	10.000 EACH		
0560	02705	SILT TRAP TYPE C	15.000 EACH		
0570	02706	CLEAN SILT TRAP TYPE A	9.000 EACH		
0580	02707	CLEAN SILT TRAP TYPE B	30.000 EACH		
0590	02708	CLEAN SILT TRAP TYPE C	45.000 EACH		
0600	02709	CLEAN TEMP SILT FENCE	15,222.000 LF		
0610	02726	STAKING	(1.00) LS		
0620	03340	STEEL PIPE-2 1/2 IN	13.000 LF		

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LINE NO	ITEM	DESCRIPTION	APPROXIMATE UNIT QUANTITY	UNIT PRICE	AMOUNT
0630	03343	STEEL PIPE-4 IN	23.000 LF		
0640	05950	EROSION CONTROL BLANKET	2,497.000 SQYD		
0650	05952	TEMP MULCH	3,000.000 SQYD		
0660	05953	TEMP SEEDING AND PROTECTION	6,000.000 SQYD		
0670	05966	TOPDRESSING FERTILIZER	1.000 TON		
0680	05985	SEEDING AND PROTECTION	20,918.000 SQYD		
0690	05989	SPECIAL SEEDING CROWN VETCH	29,062.000 SQYD		
0700	06511	PAVE STRIPING-TEMP PAINT-6 IN	9,446.000 LF		
0710	06515	PAVE STRIPING-PERM PAINT-6 IN	14,786.000 LF		
0720	06591	PAVEMENT MARKER TYPE V-BY	83.000 EACH		
0730	08100	CONCRETE-CLASS A	7.000 CUYD		
0740	08150	STEEL REINFORCEMENT	505.000 LB		
0750	10000NS	LOT PAY ADJUSTMENT	13,622.000 DOLL	1.00	13,622.00
0760	10020NS	FUEL ADJUSTMENT	48,597.000 DOLL	1.00	48,597.00
0770	10030NS	ASPHALT ADJUSTMENT	12,260.000 DOLL	1.00	12,260.00
0780	21587EN	MSE SLOPE STRUCTURE	44,272.000 SQFT		
0790	21802EN	G/R STEEL W BEAM-S FACE (7 FT POST)	3,241.000 LF		
SECTION 0002		BRIDGE 25354			
0800	02231	STRUCTURE GRANULAR BACKFILL	275.000 CUYD		
0810	02596	FABRIC-GEOTEXTILE TYPE I	386.000 SQYD		
0820	02998	MASONRY COATING	409.000 SQYD		

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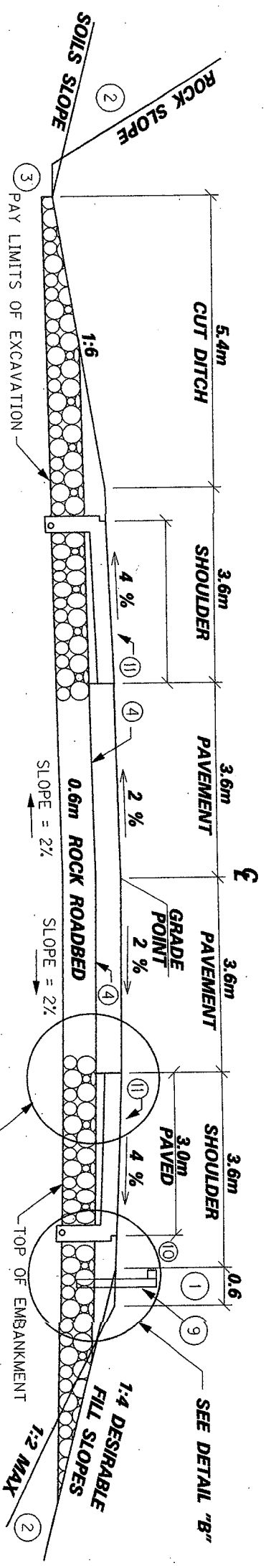
LINE NO	ITEM	DESCRIPTION	APPROXIMATE UNIT QUANTITY	UNIT PRICE	AMOUNT
0830	03299	ARMORED EDGE FOR CONCRETE	104.000 LF		
0840	08002	STRUCTURE EXCAV-SOLID ROCK	565.000 CUYD		
0850	08003	FOUNDATION PREPARATION 25295	(1.00) LS		
0860	08003	FOUNDATION PREPARATION 25354	(1.00) LS		
0870	08004	STONE MASONRY VENEER	5,414.000 SQFT		
0880	08019	CYCLOPEAN STONE RIP RAP	476.000 TON		
0890	08033	TEST PILES	52.000 LF		
0900	08046	PILES-STEEL HP12X53	466.000 LF		
0910	08094	PILE POINTS-12 IN	21.000 EACH		
0920	08100	CONCRETE-CLASS A	597.700 CUYD		
0930	08104	CONCRETE-CLASS AA	737.800 CUYD		
0940	08150	STEEL REINFORCEMENT	73,529.000 LB		
0950	08151	STEEL REINFORCEMENT-EPOXY COATED	230,082.000 LB		
0960	08160	STRUCTURAL STEEL 1587 LBS	(1.00) LS		
0970	08634	PRECAST PC I BEAM TYPE 4	1,931.000 LF		
SECTION 0003		TRAINEE			
0980	02742	TRAINEE PAYMENT REIMBURSEMENT 1 TRUCK DRIVER	1,000.000 HOUR		
SECTION 0004		DEMOBILIZATION AND MOBILIZATION			
0990	02568	MOBILIZATION	LUMP		
1000	02569	DEMOBILIZATION	LUMP		
TOTAL BID					

US 119 TYPICAL SECTIONS

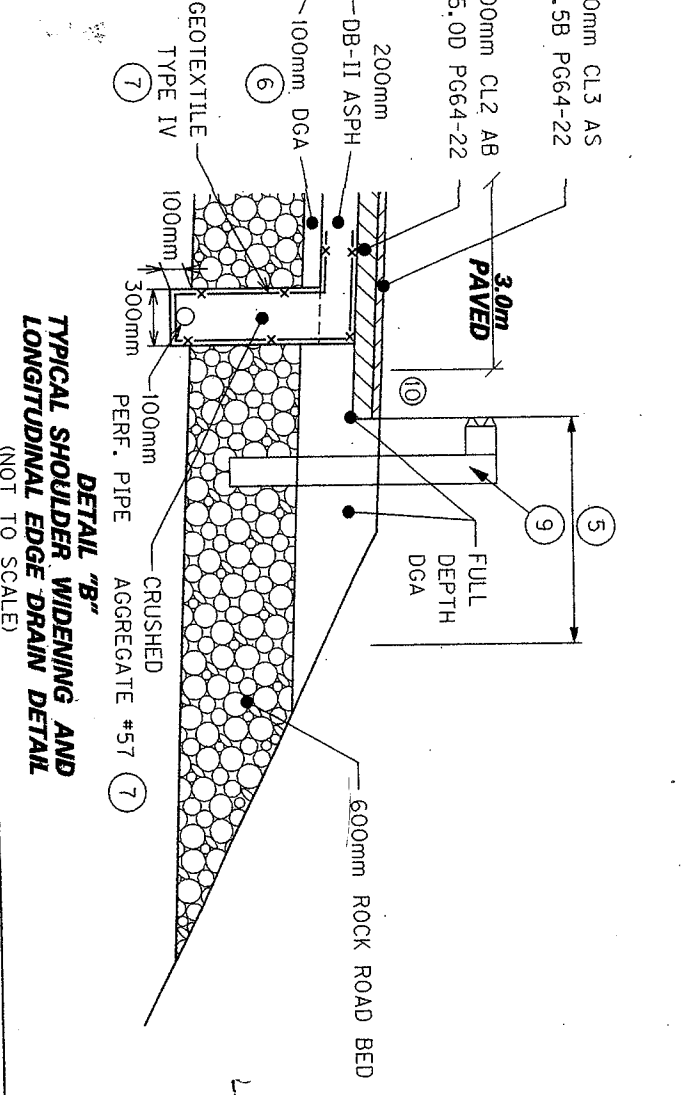
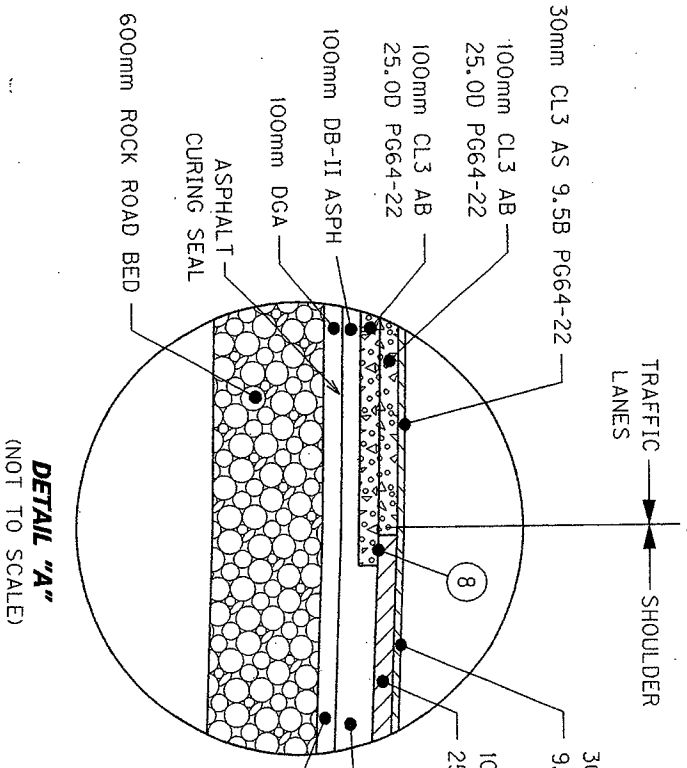
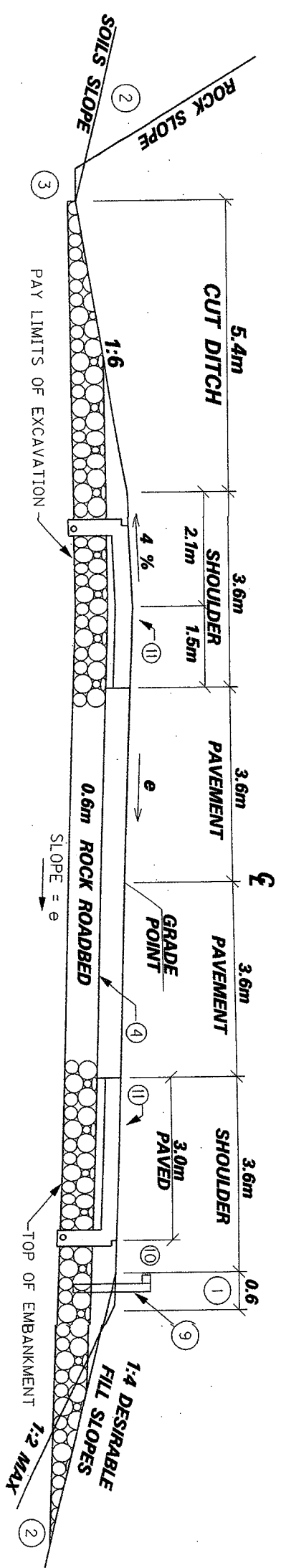
CONSTRUCTION NOTES

- ① SHOULDER SHALL BE WIDENED 0.6m WHERE GUARDRAIL IS TO BE INSTALLED.
- ② SEE X-SECTIONS FOR SLOPES OUTSIDE THE SHOULDERS.
- ③ 0.6m DITCH BENCH. SEE X-SECTIONS FOR VARIATIONS IN DITCH BENCH SIZE.
- ④ TOP OF ROCK ROADBED. SLOPE AT 2.0% DURING NORMAL CROWN SECTIONS AND AT ϵ DURING SUPERELEVATED SECTIONS.
- ⑤ ASPHALT SEAL REQUIRED FROM OUTSIDE EDGE OF PAVED SHOULDER TO A POINT 0.6m DOWN THE DITCH OR FILL SLOPE. APPLY 2 APPLICATIONS OF THE FOLLOWING:
EMULSIFIED ASPHALT RS-2 APPLY @ 1.30 KG/SM/COURSE
ASPHALT SEAL AGGREGATE SIZE 8 OR 9 APPLY @ 10.8 KG/SM/COURSE.
- ⑥ THE ESTIMATED QUANTITY OF 100mm DENSE GRADED AGGREGATE BASE REQUIRED TO CONSTRUCT THE MAINLINE PAVEMENT HAS BEEN INCREASED BY 10% TO ALLOW FOR CONSTRUCTION ON A ROCK SUBGRADE.
- ⑦ THESE ITEMS ARE INCIDENTAL TO PERFORATED PIPE-100MM
- ⑧ THE STEP OUT WIDTH OF A COURSE IS EQUAL TO THE THICKNESS OF THE COURSE ABOVE THAT COURSE
- ⑨ CONTRARY TO THE STANDARD DRAWING GUARDRAIL POSTS SHALL BE A MINIMUM OF 2.13M (7FT) IN LENGTH
- ⑩ PAVE TO FRONT FACE OF GUARDRAIL WHEN PRESENT
- ⑪ CONSTRUCT SAWED RUMBLE STRIPS ALONG MAIN LINE

NORMAL CROWN SECTION



SUPERELEVATED SECTION



PAVEMENT DESIGN

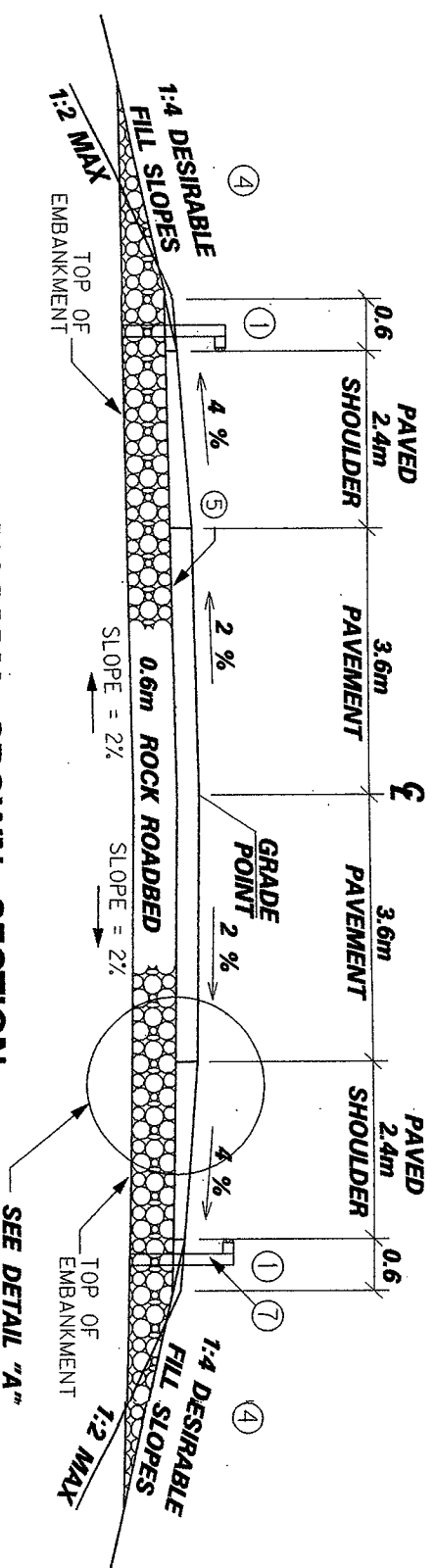
TRAFFIC LANES	DENSE GRADED AGGREGATE	100mm DEPTH
	ASPHALT CURING SEAL	0.9KG/SQ. M.
	DRAINAGE BLANKET TY. 11-ASPH	100mm DEPTH
	CL2 AB 25.0D PG64-22	100mm DEPTH
	CL3 AB 25.0D PG64-22	100mm DEPTH
	CL3 AS 9.5B PG64-22	30mm DEPTH
SHOULDERS	DENSE GRADED AGGREGATE	100mm DEPTH
	ASPHALT CURING SEAL	0.9KG/SQ. M.
	DRAINAGE BLANKET TY. 11-ASPH	200mm DEPTH
	CL2 AB 25.0D PG64-22	100mm DEPTH
	CL3 AS 9.5B PG64-22	100mm DEPTH
	ASPHALT SEAL COAT REQUIRED	30mm DEPTH

TYPICAL SECTIONS

METRIC

TYPICAL SECTIONS - APPROACH ROADS

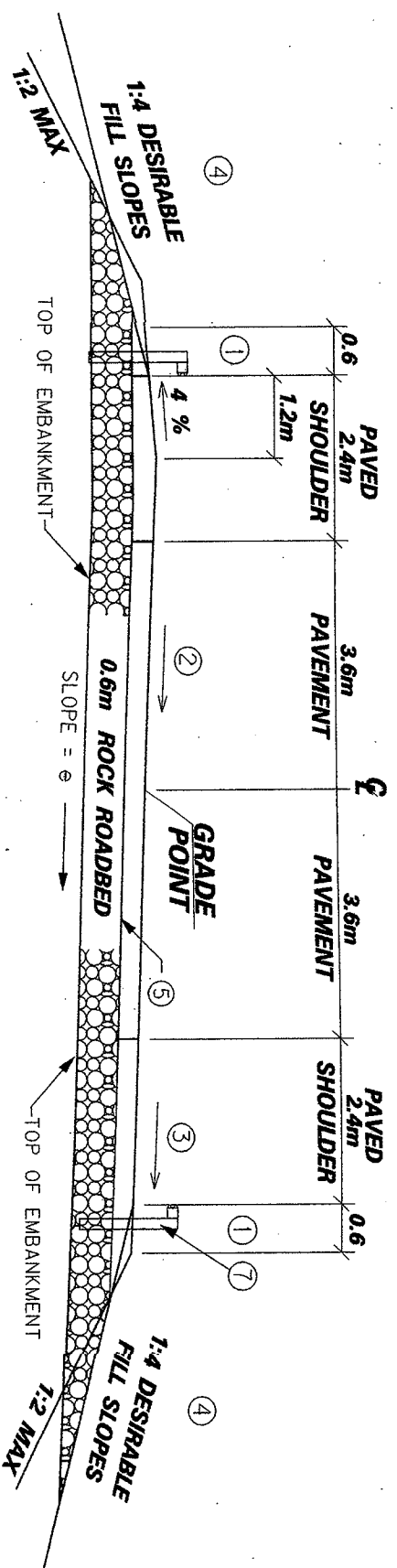
COUNTY OF	ITEM NO.	SHEET NO.
LETCHER	12-311.34	R2A



NORMAL CROWN SECTION

APPLIES AT:

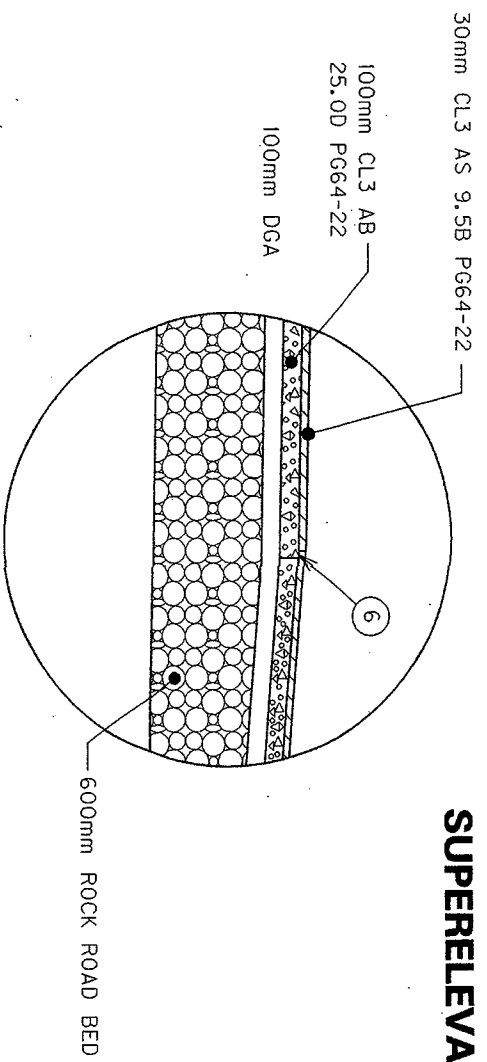
LT. STA. 43+840



SUPERELEVATED SECTION

PAVEMENT DESIGN

TRAFFIC LANES		
DENSE GRADED AGGREGATE	CL2 AB	25.0D PG64-22
CL3 AS	9.5B	PG64-22
SHOULDERS		
DENSE GRADED AGGREGATE	CL3 AS	9.5B PG64-22
ASPHALT SEAL	COAT REQUIRED (8)	
100mm DEPTH	100mm DEPTH	100mm DEPTH
100mm DEPTH	100mm DEPTH	30mm DEPTH



DETAIL "A"
(NOT TO SCALE)

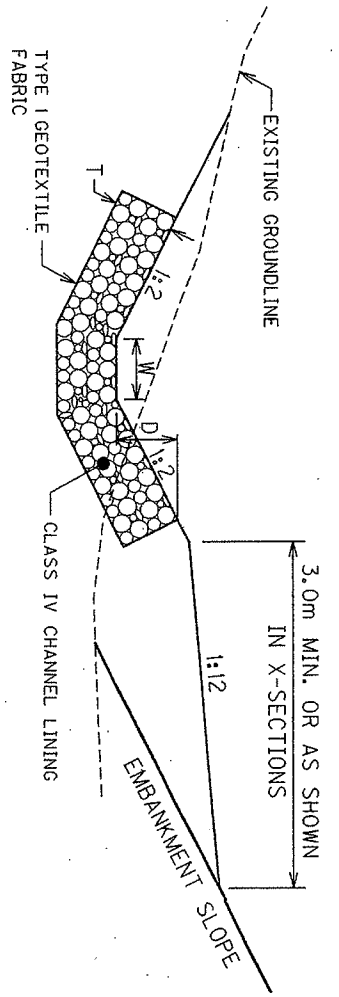
CONSTRUCTION NOTES

- ① SHOULDER SHALL BE WIDENED 0.6m WHERE GUARDRAIL IS TO BE INSTALLED.
- ② SEE X-SECTIONS FOR PROPOSED X-SLOPE.
- ③ USE NORMAL CROWN SHOULDER SLOPE AS MINIMUM SLOPE IN LOW SIDE SUPERELEVATION.
- ④ SEE X-SECTIONS FOR SLOPES OUTSIDE THE SHOULDERS.
- ⑤ TOP OF ROCK ROADBED. SLOPE AT 2.0% DURING NORMAL CROWN SECTIONS AND AT ϵ DURING SUPERELEVATED SECTIONS.
- ⑥ THE STEP OUT WIDTH OF A COURSE IS EQUAL TO THE THICKNESS OF THE COURSE ABOVE THAT COURSE
- ⑦ CONTRARY TO THE STANDARD DRAWING GUARDRAIL POSTS SHALL BE A MINIMUM OF 2.13M (7FT) IN LENGTH
- ⑧ ASPHALT SEAL REQUIRED FROM OUTSIDE EDGE OF PAVED SHOULDER TO A POINT 0.6m DOWN THE DITCH OR FILL SLOPE. APPLY 2 APPLICATIONS OF THE FOLLOWING:
EMULSIFIED ASPHALT RS-2 APPLY @ 1.30 KG/SM/COURSE
ASPHALT SEAL AGGREGATE SIZE 8 OR 9 APPLY @ 10.8 KG/SM/COURSE.

METRIC

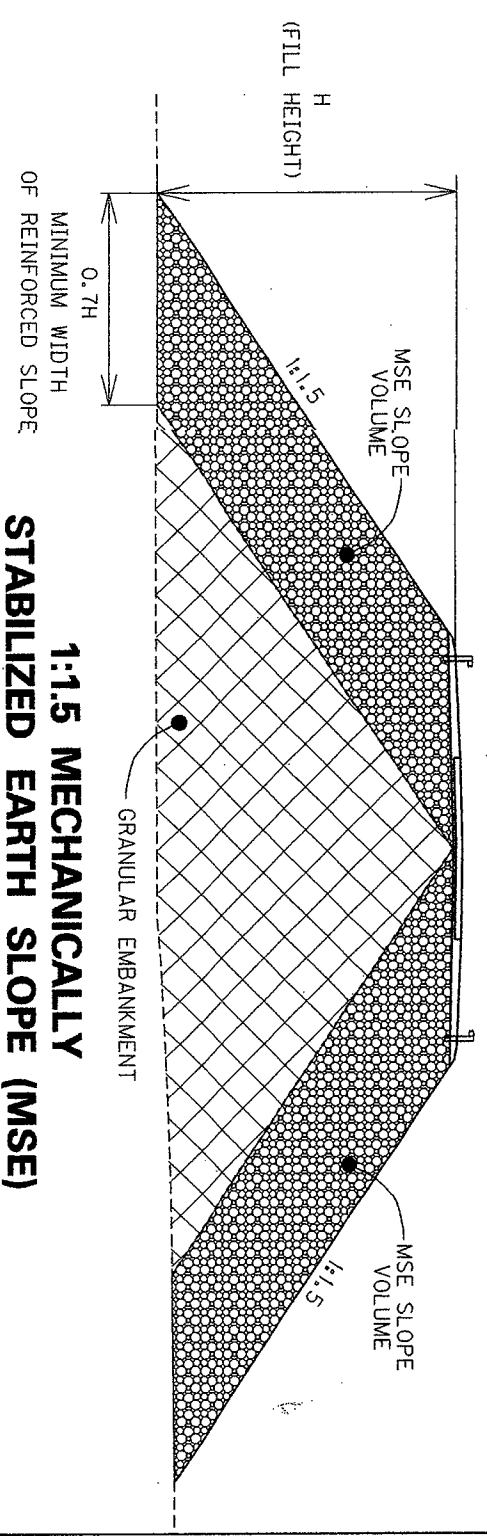
TYPICAL SECTIONS

MISCELLANEOUS TYPICAL SECTIONS



NOTE:
W = 0.6m TYPICAL OR AS NOTED IN CONSTRUCTION NOTE
T = 0.6m OR AS SHOWN IN CONSTRUCTION NOTE
D = 0.6m MINIMUM OR AS SHOWN IN CONSTRUCTION NOTE
*SEE STANDARD DRAWING NO. RDD-030-07 WHEN CLASS IA CHANNEL LINING IS SPECIFIED

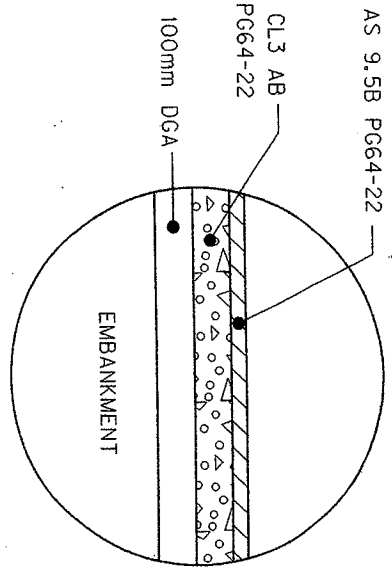
TYPICAL SURFACE DITCH WITH CHANNEL LINING (NOT TO SCALE)



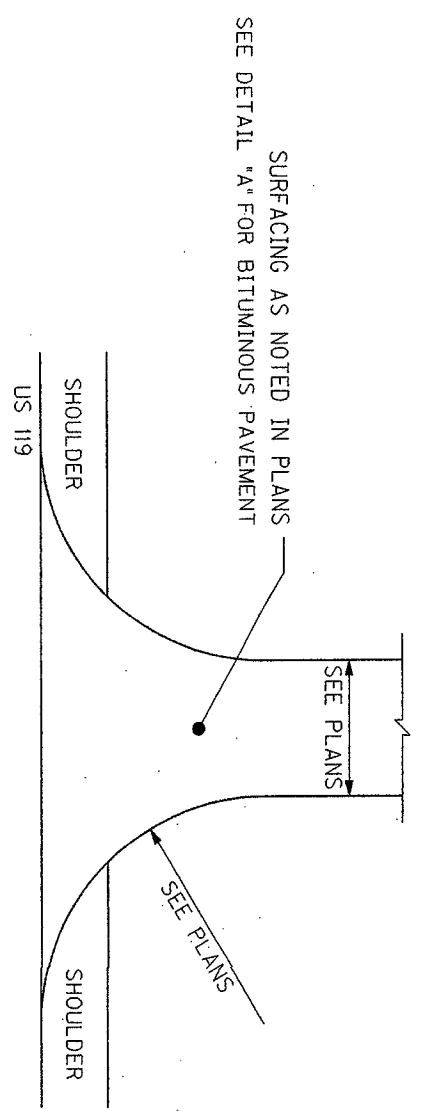
1:1.5 MECHANICALLY STABILIZED EARTH SLOPE (MSE)
(NOT TO SCALE)
US 119 - RT STA. 43+820 TO RT STA. 44+000
US 119 - LT STA. 43+840 TO LT STA. 44+000
APPROACH LT US 119 STA. 43+840 - LT STA. 2+940 TO LT STA. 2+980

THE MECHANICALLY STABILIZED EARTH (MSE) SLOPE SCOPE OF WORK, DESIGN CRITERIA, MATERIAL REQUIREMENTS, AND CONSTRUCTION METHODS SHALL CONFORM TO THE SPECIAL NOTE FOR MECHANICALLY STABILIZED EARTH (MSE) SLOPES.

PAYMENT FOR THE MECHANICALLY STABILIZED EARTH (MSE) SLOPE WILL BE IN SQUARE METERS, LYING IN THE VERTICAL PLANE OF THE OUTSIDE FRONT FACE OF THE STRUCTURE AS SHOWN ON THE PLANS.

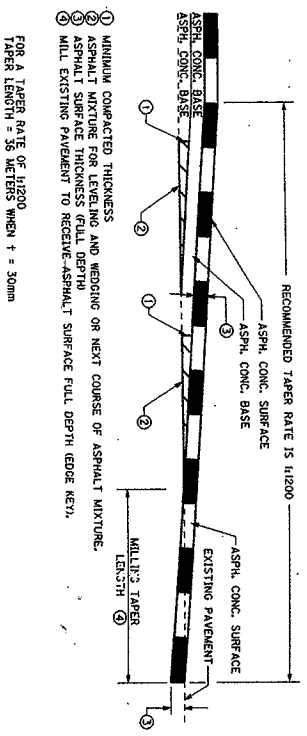


DETAIL "A"
(NOT TO SCALE)



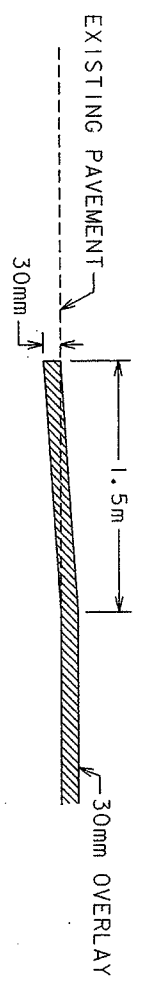
TYPICAL ENTRANCE* (NOT TO SCALE)

*SEE ENTRANCE DETAIL SHEET (R10) FOR ADDITIONAL HORIZONTAL LOCATION INFORMATION.



RECOMMENDED TAPER RATE IS 15:1
FOR A TAPER RATE OF 15:1
TAPER LENGTH = 35 METERS WHEN t = 30mm

TAPERING OF OVERLAYS ON HIGH SPEED FACILITIES (100 km/h) MAINLINE EDGE KEY DETAIL



ENTRANCE EDGE KEY DETAIL (NOT TO SCALE)

WORK UNDER THIS ITEM SHALL INCLUDE CUTTING OUT THE EXISTING BITUMINOUS SURFACE TO A MINIMUM DEPTH AND WIDTH AS SHOWN, SO THE NEW SURFACE MAY HEEL INTO THE EXISTING SURFACE. THE CONTRACT UNIT PRICE BID PER METER FOR "EDGE KEY" SHALL INCLUDE ALL NECESSARY MATERIALS, LABOR, EQUIPMENT, ETC. TO PERFORM THE WORK AND DISPOSE OF THE BITUMINOUS MATERIAL REMOVED.

PAVING AREAS

ITEM	MAINLINE	SHOULDER		APPROACH RD LT STA 43+840	ENTRANCES	TEMPORARY TRAFFIC DIVERSION	TOTAL PROJECT
30mm CL3 ASPHALT SURFACE 9.5B PG64-22	6062	5462		1269	866		13659
30mm CL3 ASPHALT SURFACE 9.5B PG64-22						2573	2573
100mm DRAINAGE BLANKET TYPE II	6426						6426
200mm DRAINAGE BLANKET TYPE II		5967					5967
100mm CL3 ASPHALT BASE 25.0D PG64-22	6244			921	866		8031
100mm CL3 ASPHALT BASE 25.0D PG64-22	6426			571			6997
100mm CL2 ASPHALT BASE 25.0D PG64-22		5715					5715
75mm CL2 ASPHALT BASE 25.0D PG64-22						2573	2573
100mm DGA	6669			1296	866		8831
200mm FULL DEPTH DGA		5967				2573	8540
430mm FULL DEPTH DGA(SHOULDER WIDENING)		2698					2698
EMULSIFIED ASPHALT RS-2		1810		286			2096
ASPHALT SEAL AGGREGATE		1810		286			2096
100mm TRAFFIC BOUND BASE			①		450		450
ASPHALT CURING SEAL	6426	5967					12393
SAND FOR BLOTTER	6426	5967					12393

① FOR TEMPORARY ACCESS TO ENTRANCES AND APPROACHES.

PAVING SUMMARY

ITEM CODE	ITEM	UNIT	MAINLINE	SHOULDER	APPROACH RD LT STA 43+840	ENTRANCES	TEMPORARY TRAFFIC DIVERSION	TOTAL PROJECT
0001M	DGA ①	MTON	1641	5790	319	213	1266	(*) 10152
0020M	TRAFFIC BOUND BASE ②	MTON				96		96
0100M	ASPHALT SEAL AGGREGATE ③	MTON		20	3.1			23.1
0212M	CL2 ASPHALT BASE 25.0D PG64-22	MTON		1343			453	1796
0214M	CL3 ASPHALT BASE 25.0D PG64-22	MTON	2978		350	204		3532
0388M	CL3 ASPHALT SURFACE 9.5B PG64-22	MTON	427	385	90	61	181	1144
0291M	EMULSIFIED ASPHALT RS-2 ④	MTON		2.4	0.4			2.8
0018M	DRAINAGE BLANKET TYPE II ⑤	MTON	1382	2566				4956
0358M	ASPHALT CURING SEAL ⑥	MTON	5.8	5.0				10.8
2702M	SAND FOR BLOTTER ⑦	MTON	17.4	16.0				33.4

(*) THE DGA INCLUDES AN ADDITIONAL 10% BY WEIGHT (880 MTONS) FOR ROCK ROADBED CONSTRUCTION

NOTES

ALL ASPHALT MIXTURES SHALL BE ESTIMATED AT 2.35 kg PER SQ m PER mm OF DEPTH, UNLESS NOTED OTHERWISE.

- ① ESTIMATED AT 2.46 kg PER sq m PER mm OF DEPTH
- ② ESTIMATED AT 2.14 kg PER sq m PER mm OF DEPTH
- ③ ESTIMATED AT 10.8 kg PER sq m
- ④ ESTIMATED AT 1.3 kg PER sq m
- ⑤ ESTIMATED AT 2.15 kg PER sq m PER mm OF DEPTH
- ⑥ ESTIMATED AT 0.9 kg PER sq m
- ⑦ ESTIMATED AT 2.7 kg PER sq m