

CONTRACT NO. M-23836

INDIANA
DEPARTMENT OF TRANSPORTATION
PLAN AND PROFILE OF PROPOSED
STATE HIGHWAY

M. Harness

DESIGNED BY

M.H.
CHECKED BY

US 31

ADDED TURN LANES

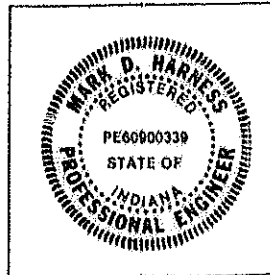
- AT CR 400N [RP 186+31]
- CR 450N [RP 186+81]
- CR 550N [RP 187+80] &
- CR 600N [RP 188+32]



RSAL'S:

Mainline: 2,000,000

Shoulder: N/A



5-13-98
DATE

M.H.

CHECKED BY

5.15.98
DATE

N. John P...

INDIANA DEPARTMENT OF HIGHWAYS
STANDARD SPECIFICATIONS DATED 1995
TO BE USED WITH THESE PLANS.

CONSTRUCTION PLANS INDEX

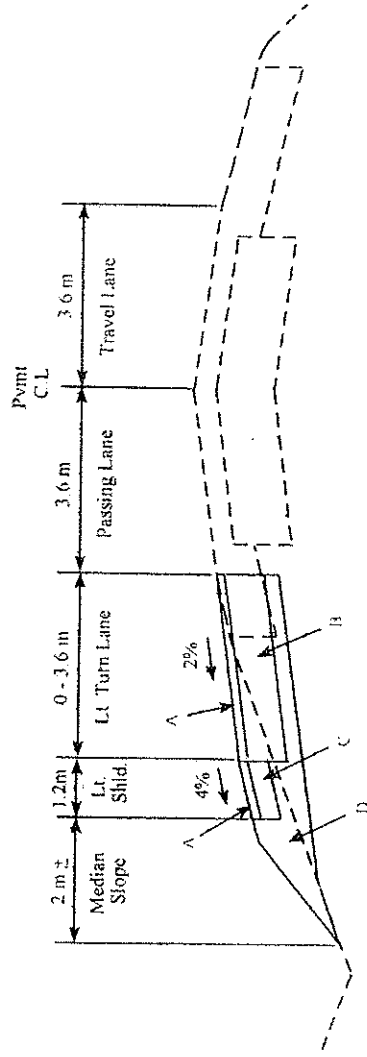
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1	Title Sheet
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5	Detail Drawing
6	Summary Tables

STANDARD DRAWINGS INDEX

Rev 5/98

<u>Std. Dwg. No.</u>	<u>Topic</u>	<u>Date</u>
720-EDCA-01	Earth Ditch Casting, Type 7	4-3-95
801-TCDV-01	Construction Traffic Control	9-1-97
801-TCDV-02	Construction Traffic Control	4-1-96
801-TCDV-08	Construction Traffic Control	5-1-98
801-TCLC-06	Construction Traffic Control	5-1-97
801-TCLC-12	Construction Traffic Control	9-1-97
801-TCLG-01	Construction Traffic Control	1-2-98
801-TCSN-01	Construction Traffic Control	7-3-95
801-TCSN-02	Construction Traffic Control	9-1-97
801-TCSN-04	Construction Traffic Control	9-1-97
801-TCSN-05	Construction Traffic Control	9-1-97
801-TCSN-07	Construction Traffic Control	7-3-95
801-TCSN-11	Construction Traffic Control	9-1-97
801-TCSN-12	Construction Traffic Control	9-1-97
801-TCSN-13	Construction Traffic Control	9-1-97
802-SNGS-06	Sign ReflectORIZATION	3-1-95
808-MKRM-09	R.P.M.'s	3-1-95
808-MKRM-10	R.P.M.'s	3-1-95

TYPICAL HALF SECTION
AT LEFT TURN LANES



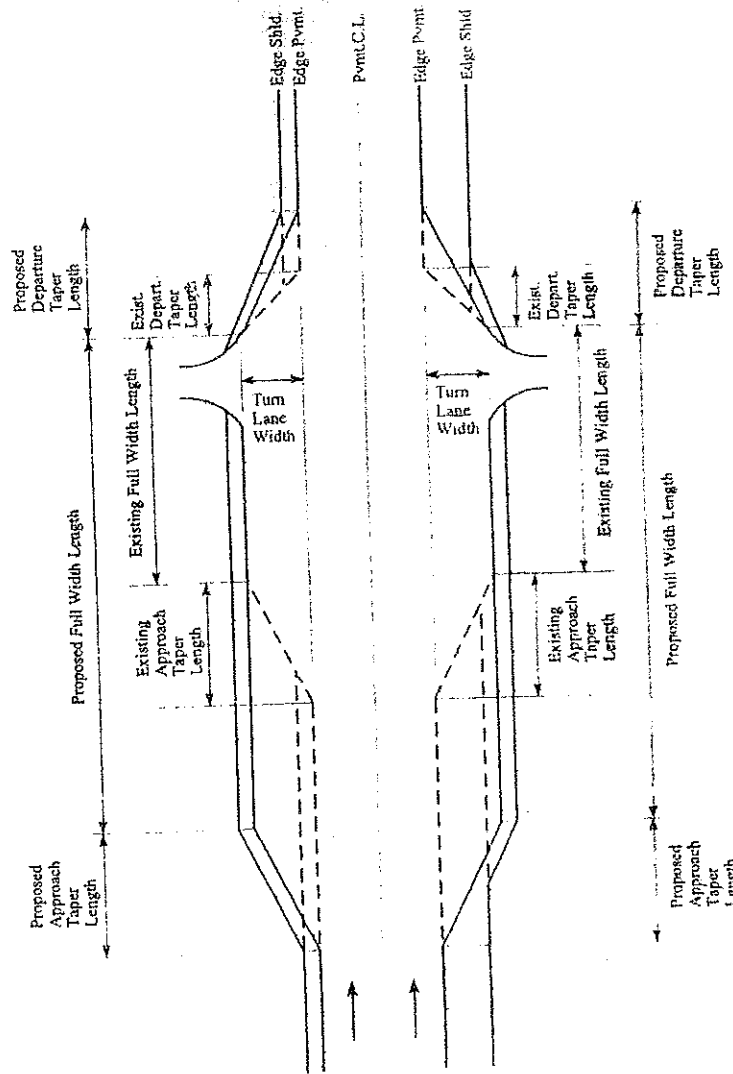
A - 90 kg/m² HMA Surface, 9.5 mm, Mainline
(To be paid for as Widening with HMA)

B - 800 kg/m² HMA Base, 25.0 mm, Mainline
(To be paid for as Widening with HMA)

C - 360 kg/m² HMA Base, 25.0 mm, Mainline
(To be paid for as Widening with HMA)

D - Compacted Aggregate, Type O, #53
(100 mm under turn lane, 300 mm under shld.)
(To be paid for as Widening with Compacted Aggregate)

Use PG binder 64-22



TYPICAL TURN LANES

NORTHBOUND LEFT TURN LANES

Road Name	Existing			Proposed			Proposed		Proposed Shoulder		
	Appr Length	Full Width Taper Length	Depart Width	Appr Length	Full Width Taper Length	Depart Width	Total Area	Widen Area	Length	Width	Area
CR 400N	12	13	12	30	160	55	730	640	230	1.2	275
CR 450N	11	13	11	30	160	55	730	645	230	1.2	275
CR 550N	11	16	11	30	160	55	730	635	230	1.2	275
CR 600N	12	13	12	30	160	55	730	640	230	1.2	275
Totals							2560m ²				1100m ²

All lengths are in "m"
All areas are in "sq"

SOUTHBOUND LEFT TURN LANES

Road Name	Existing			Proposed			Exisl.		Proposed		Proposed Shoulder		
	Appr. Length	Full Width Taper Length	Depart. Taper Length	Appr. Full Width Taper Length	Full Width Taper Length	Depart. Taper Length	Total Area	Total Area	Total Area	Total Area	Length	Width	Area
CR 400N	12	13	12	30	30	55	30	90	730	640	230	1.2	275
CR 450N	11	13	11	30	30	55	30	85	730	645	230	1.2	275
CR 550N	36	66	11	30	30	55	30	320	730	410	230	1.2	275
CR 600N	12	13	12	30	30	55	30	90	730	640	230	1.2	275
Totals										2335m ²			1100m ²

All lengths are in "m"
 All areas are in "m²"

MISCELLANEOUS CONSTRUCTION ACTIVITIES

<u>Location</u>	<u>Activity</u>	<u>Quantity</u>
CR 400N	Remove Concrete Curb	14 m
	Linear Grading	0.365 km
	Raised Pavement Markers (Red/White reflectors)	24 each
CR 450N	Remove Concrete Curb	14 m
	Linear Grading	0.365 km
	Replace Type 7 Casting	1 each
	Raised Pavement Markers (Red/White reflectors)	24 each
CR 550N	Remove Concrete Curb	9 m
	Linear Grading	0.365 km
	Replace Prismatic Reflectors (Red/White)	4 each
	Raised Pavement Markers (Red/White reflectors)	20 each
CR 600N	Remove Concrete Curb	14 m
	Linear Grading	0.365 km
	Raised Pavement Markers (Red/White reflectors)	24 each