

**LIST OF STANDARDS**

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
442001-04	CLASS A PATCHES
442101-07	CLASS B PATCHES
601001-04	SUB-SURFACE DRAINS
601101-01	CONCRETE HEADWALL FOR PIPE DRAIN
630001-10	STEEL PLATE BEAM GUARDRAIL
630301-06	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-09	TRAFFIC BARRIER TERMINAL, TYPE 2
631026-05	TRAFFIC BARRIER TERMINAL, TYPE 5
631031-12	TRAFFIC BARRIER TERMINAL, TYPE 6
631033-05	TRAFFIC BARRIER TERMINAL, TYPE 6B
635001-01	DELINEATORS
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
642001-02	SHOULDER RUMBLE STRIPS, 16 IN.
701101-04	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5m) AWAY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS > 45 MPH
701400-07	APPROACH TO LANE CLOSURE, FREEWAY / EXPRESSWAY
701401-08	LANE CLOSURE, FREEWAY / EXPRESSWAY
701402-09	LANE CLOSURE, FREEWAY / EXPRESSWAY, WITH BARRIER
701406-08	LANE CLOSURE, FREEWAY / EXPRESSWAY, DAY OPERATIONS ONLY
701411-08	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS > 45 MPH
701426-06	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION FOR SPEEDS > 45 MPH
701428	TRAFFIC CONTROL, SETUP AND REMOVAL, FREEWAY / EXPRESSWAY
701456-03	PARTIAL EXIT RAMP CLOSURE FREEWAY / EXPRESSWAY
701901-03	TRAFFIC CONTROL DEVICES
704001-07	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
720021-02	SIGN PANELS, EXTRUDED ALUMINUM TYPE
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A AND B METAL POSTS ( FOR SIGNS & MARKERS)
780001-04	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

- THE THICKNESS OF THE HMA MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA MIXTURE IS PLACED.
- AN ESTIMATED 138,603 TONS OF HMA SURFACE COURSE TO BE REMOVED FROM STATION 2778+74.10 TO STATION 3038+61.99. THIS MATERIAL IS "UNCRUSHED GRAVEL" & RAP RESTRICTIONS APPLY PER SPECIAL PROVISIONS.
- NO OVERNIGHT LANE CLOSURES SHALL BE ALLOWED ON THIS PROJECT EXCEPT FOR PATCHING.
- ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDER AT THE CONTRACTOR'S EXPENSE.
- "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT THE BEGINNING OF THE PROJECT PLUS ALL RAMP AND WILL BE INCLUDED IN THE COST OF THE ASSOCIATED TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE 48" FLUORESCENT ORANGE.
- A QUANTITY FOR TEMPORARY PAVEMENT MARKING EQUAL TO THE AMOUNT OF PERMANENT PAVEMENT MARKING HAS BEEN INCLUDED IN THE PLANS. ALL TEMPORARY PAVEMENT MARKING SHALL BE PLACED IN SUCH A WAY AS NOT TO INTERFERE WITH THE PLACEMENT OF PERMANENT PAVEMENT MARKING. REMOVAL OF TEMPORARY PAVEMENT MARKING SHALL BE PAID FOR AS "WORK ZONE PAVEMENT MARKING REMOVAL." (117,757 FOOT FOR 6" AND 949 FOOT FOR 8")
- APPROXIMATELY 230 SQUARE YARDS OF PCC PATCHES WITHIN THE PROJECT LIMITS WILL BE SUBJECT TO THE HMA SURFACE REMOVAL OPERATIONS OF THE DEPTHS SPECIFIED IN THE PLANS. THE COST OF MILLING THESE PATCHES SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE OF THE HMA REMOVAL ITEMS IN THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE PLACED AS DIRECTED BY THE ENGINEER. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR RELOCATION OF THESE SIGNS.
- PCC PATCHES SHALL BE POURED TO THE FULL DEPTH OF EXISTING PAVEMENT, WHICH MAY EXCEED THE NOMINAL DEPTH SHOWN IN THE PLANS.
- THE PAY FOR PERFORMANCE ITEMS AND QUANTITIES ARE AS FOLLOWS:  
 HMA POLY SURFACE COURSE - 16,458 TONS  
 HMA POLY FINE GRADE BINDER COURSE - 17,465 TONS  
 HMA BASE COURSE, 1 1/2" - 11,148 TONS
- DOUBLE LANE LINE MARKERS SHALL BE UTILIZED ACCORDING TO STANDARD 781001.

- FOR CLASS A PATCHES, THE REINFORCEMENT SHALL BE PLACED TO MATCH THE EXISTING CONCRETE PAVEMENT.
- FLAGGERS SHALL BE REQUIRED AT ALL TIMES DURING PATCHING OPERATIONS.
- THE CONTRACTOR SHOULD BE AWARE THERE ARE HORIZONTAL CURVES WITHIN THE PROJECT LIMITS THAT MAY BE SUPERELEVATED. THE CONTRACTOR SHALL VERIFY THE EXISTING SUPERELEVATION AND MATCH EXISTING CROSS-SLOPE. THESE CROSS-SLOPES MAY BE CONTRARY TO THE TYPICAL SECTIONS.
- THE RESIDENT ENGINEER SHALL VERIFY THE EXISTENCE OF UNDERGROUND HIGHWAY LIGHTING AND/OR I.T.S. FACILITIES WITHIN THE PROJECT LIMITS. IF HIGHWAY LIGHTING EXISTS WITHIN THE PROJECT LIMITS, AND IF THESE ITEMS REQUIRE LOCATING, THE CONTRACTOR SHALL BE DIRECTED TO DO SO ACCORDING TO SECTION 803 OF THE STANDARD SPECIFICATIONS. IF "LOCATING UNDERGROUND CABLE" IS NOT INCLUDED AS PART OF THE PLANS, THIS WORK SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
- SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE MILLED SURFACE, PRIMED SURFACE, HMA BINDER COURSE, AND THE FINAL HMA SURFACE. ONLY REMOVAL FROM THE HOT-MIX ASPHALT SURFACE COURSE SHALL BE PAID FOR AS "WORK ZONE PAVEMENT MARKING REMOVAL (SQ FT)".
- ALL EARTHWORK REQUIRED TO MEET STD. 630301-06 SHALL BE INCLUDED IN THE COST OF TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL)

INDICATES PAYMENT INCLUDED IN COST OF ANOTHER ITEM.

**COMMITMENTS**

NONE

**INDEX OF SHEETS**

1	COVER
2	INDEX OF SHEETS, GENERAL NOTES, LIST OF STANDARDS & MIXTURE REQUIREMENTS
3-9	SUMMARY OF QUANTITIES
10-11	TYPICAL SECTIONS
12-21	SCHEDULE OF QUANTITIES
22-41	PLANS
42-46	STAGES OF CONSTRUCTION
47-49	EROSION AND SEDIMENT CONTROL DETAIL
50-55	MISCELLANEOUS DETAILS
56-59	SIGN PANEL DETAILS

**GENERAL NOTE**

- THE STANDARDS AND REVISION NUMBERS LISTED IN THE LIST OF STANDARDS SHALL APPLY TO THIS PROJECT.
- ILLINOIS STATE LAW REQUIRES A 48 HOUR NOTICE TO BE GIVEN TO ALL UTILITIES WITHIN THE PROJECT LIMITS BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:  

UTILITY	ABOVE GROUND	BELOW GROUND
•AMEREN ILLINOIS - ELECTRIC	X	X
•AT&T - COMMUNICATIONS		X
•BOND MADISON WATER COMPANY - WATER		X
•FRONTIER NORTH, INC. - COMMUNICATIONS		X
•CITY OF GREENVILLE - WATER & SANITARY SEWER		X
•NEW WAVE COMMUNICATIONS - CABLE TV	X	X
•ROYAL LAKES PUBLIC WATER DISTRICT - WATER & SANITARY SEWER		X
•VILLAGE OF SMITHBORO - WATER		
•SOUTHWESTERN ELECTRIC COOPERATIVE, INC. - ELECTRIC	X	
• J.U.L.I.E. MEMBERS - CONTACT NUMBER TOLL FREE (800) 892-0123 OR 811		
- THE CONTRACTOR AND THE ENGINEER SHALL BE AWARE THAT SOME SURVEY WAS PERFORMED FOR THIS PROJECT. THE STATIONING AND TOPOGRAPHY SHOWN IN THE PLANS WERE CREATED USING MICROFILM, FIELD MEASUREMENTS AND SURVEY. BOTH SHALL BE ASSUMED TO BE APPROXIMATE. THE CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

4. AN ESTIMATED QUANTITY OF 138,603 TONS OF HOT-MIX ASPHALT SURFACE WILL BE REMOVED. THE SURFACE REMOVAL THICKNESS OF THE EXISTING HMA OVERLAY MAY VARY FROM THAT SHOWN ON THE PLANS. NO ADDITIONAL PAYMENT WILL BE MADE FOR ACCOMODATING THE VARIATION IN EXISTING HMA THICKNESS.

**MIXTURE REQUIREMENTS**

ROUTE	FAI ROUTE 70
SECTION	3-SRS-3
COUNTY	BOND
CONTRACT	76021

DESCRIPTION:	INTERSTATE RESURFACING ON I-70 FROM BN RR TO FAYETTE COUNTY LINE
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ADT (Construction Yr):	12300
MUX:	38.7
SU%:	5.5
20 YR. ESAL'S:	28.87

MIXTURE USE	POLY SMA SURFACE	POLY BINDER	BASE COURSE	SHOULDERS ≥ 2.25"	SHOULDERS < 2.25"
AC/PG	SBS PG 76-22	SBS PG 76-22	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ Ndes=80	4.0% @ Ndes=90	4.0% @ Ndes=90	**2.0% @ Ndes = 30	**2.0% @ Ndes = 30
MIX COMPOSITION				NMAS 3/4"	NMAS 1/2"
(GRADATION MIXTURE)		IL 19.0 FG	IL 19.0 FG		
FRICTION AGG	SMA	MIXTURE "B"	MIXTURE "B"		

\*\* TOP LIFT SHOULDERS - DESIGN THIS MIX AT 2.0% VOIDS AND ADD ASPHALT TO REDUCE VOIDS TO 1.5%

PLAN QUANTITIES FOR HMA SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 0.056 TONS/SQ YD/IN (0.002392 M TONS/sq m/25 mm thickness).

REV. 4-9-14

FILE NAME =	USER NAME = vedmorejb	DESIGNED - GEL	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS, GENERAL NOTES, &amp; LIST OF STANDARDS</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ci:\p\work\pavdot\vedmorejb\2014\8084\087602	sh-gennote index.dgn	DRAWN - LAC	REVISED -			70	3-SRS-3	BOND	59	2
	PLOT SCALE = 1/8"=1'-0" / in.	CHECKED - MDP	REVISED -							
	PLOT DATE = 3/18/2014	DATE - 3/20/2012	REVISED -			SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	

90% FEDERAL 10% STATE

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	BRIDGE	BRIDGE	BRIDGE	TRAFFIC SIGNS
				0005	0014	0014	0014	0021
				RURAL	003-0036	003-0045	003-0046	NONE
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	30	30				
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	452	452				
20100500	TREE REMOVAL, ACRES	ACRE	9.5	9.5				
20200100	EARTH EXCAVATION	CU YD	2142	2142				
20400800	FURNISHED EXCAVATION	CU YD	2733	2733				
21400100	GRADING AND SHAPING DITCHES	FOOT	1885	1885				
25000210	SEEDING, CLASS 2A	ACRE	5	5				
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	405	405				
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	405	405				
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	405	405				
25100115	MULCH, METHOD 2	ACRE	5	5				
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	450	450				
28000305	TEMPORARY DITCH CHECKS	FOOT	19	19				
28000500	INLET AND PIPE PROTECTION	EACH	2	2				
28100801	STONE DUMPED RIPRAP, CLASS A1	TON	171.7	171.7				

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				90% FEDERAL 10% STATE				
				CONSTRUCTION CODE				
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	BRIDGE	BRIDGE	BRIDGE	TRAFFIC SIGNS
				0005 RURAL	0014 003-0036	0014 003-0045	0014 003-0046	0021 NONE
31100910	SUBBASE GRANULAR MATERIAL, TYPE A 12"	SQ YD	5520	5520				
35501328	HOT-MIX ASPHALT BASE COURSE, 11"	SQ YD	11148	11148				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	2269	2269				
40600990	TEMPORARY RAMP	SQ YD	2377	2377				
<del>40603149</del>	<del>POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N90</del>	<del>TON</del>	<del>17465</del>	<del>17465</del>				
40603153	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80	TON	16458	16458				
<del>4063243</del>	<del>POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, FG, N90</del>	<del>TON</del>	<del>17465</del>	<del>17465</del>				
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	7		2.6	2.2	2.2	
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	138667	138603	24	20	20	
44004250	PAVED SHOULDER REMOVAL	SQ YD	7560	7560				
44200547	CLASS A PATCHES, TYPE IV, 9 INCH	SQ YD	5520	5520				
44200645	CLASS A PATCHES, TYPE II, 16 INCH	SQ YD	202	202				
44200646	CLASS A PATCHES, TYPE III, 16 INCH	SQ YD	18	18				
<del>44201043</del>	<del>CLASS B PATCHES, TYPE II, 16 INCH</del>	<del>SQ YD</del>	<del>32</del>	<del>32</del>				
44201047	CLASS B PATCHES, TYPE III, 16 INCH	SQ YD	37	37				
44201299	DOWEL BARS 1 1/2"	EACH	115	115				



△ REV  
4-9-14

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CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				
				ROADWAY 0005 RURAL	BRIDGE 0014 003-0036	BRIDGE 0014 003-0045	BRIDGE 0014 003-0046	TRAFFIC SIGNS 0021 NONE
44213000	PATCHING REINFORCEMENT	SQ YD	5741	5741				
44213100	PAVEMENT FABRIC	SQ YD	69	69				
44213200	SAW CUTS	FOOT	9836	9836				
44213204	TIE BARS 3/4"	EACH	1035	1035				
45100100	CRACK ROUTING (PAVEMENT)	FOOT	192		72	60	60	
45200300	JOINT OR CRACK FILLING	POUND	54.5		20.3	17.1	17.1	
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	4154.2	4154.2				
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	735	735				
48203100	HOT-MIX ASPHALT SHOULDERS	TON	10444	10444				
50800105	REINFORCEMENT BARS	POUND	1066	1066				
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	144	144				
60100072	SHOULDER REMOVAL AND REPLACEMENT 5"	FOOT	68792	68792				
60107700	PIPE UNDERDRAINS 6"	FOOT	68792	68792				
60108200	PIPE UNDERDRAINS 6" (SPECIAL)	FOOT	2755	2755				

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△ REV. 4-9-14

FILE NAME =	USER NAME = wedmore.gb	DESIGNED -	REVISED -
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		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE:	SHEET NO. 3 OF 7 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	3-5R5-3	BOND	59	5
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 76 D21	

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CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				
				ROADWAY 0005 RURAL	BRIDGE 0014 003-0036	BRIDGE 0014 003-0045	BRIDGE 0014 003-0046	TRAFFIC SIGNS 0021 NONE
60600605	CONCRETE CURB, TYPE B	FOOT	62.5	62.5				
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	8275	8275				
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	14	14				
* 63100070	TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	1	1				
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4				
* 63100089	TRAFFIC BARRIER TERMINAL, TYPE 6B	EACH	4	4				
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	21	21				
63200310	GUARDRAIL REMOVAL	FOOT	6969	6969				
63400105	GUARD POSTS	EACH	32	32				
63500105	DELINEATORS	EACH	272	272				
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	48588	48588				
<del>64300430</del>	<del>IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 2</del>	<del>EACH</del>	<del>6</del>	<del>6</del>				
64300450	IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3	EACH	6	6				1
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	16	16				
67100100	MOBILIZATION	L SUM	1	1				

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CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	BRIDGE	BRIDGE	BRIDGE	TRAFFIC SIGNS
				0005	0014	0014	0014	0021
				RURAL	003-0036	003-0045	003-0046	NONE
X5870015	BRIDGE DECK CONCRETE SEALER	SQ FT	30060		9576	9360	11124	
X6350120	DELINEATOR REMOVAL	EACH	272	272				
X7010410	SPEED DISPLAY TRAILER	CAL MO	16	16				
Z0034105	MATERIAL TRANSFER DEVICE	TON	34012	34012				
Z0040530	PIPE UNDERDRAIN REMOVAL	FOOT	72002	72002				



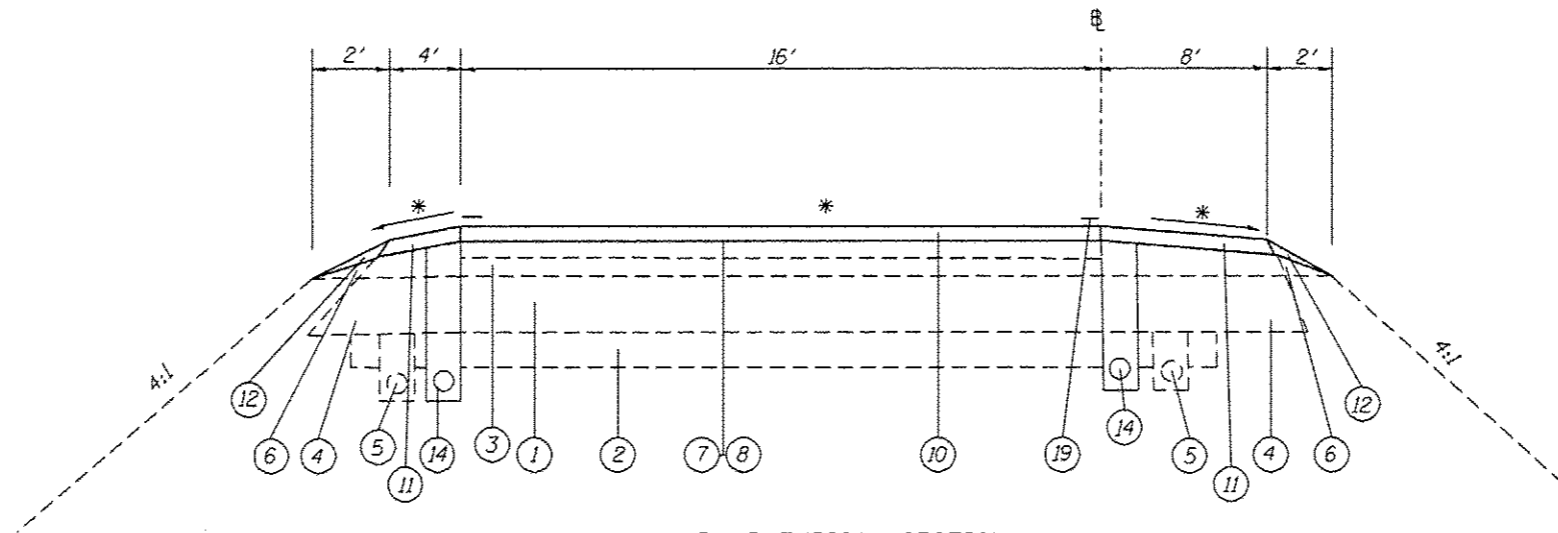
△ REV. 4-9-14

FILE NAME =	USER NAME = wedmore_jb	DESIGNED -	REVISED -
c:\pvc_work\pvc\dot\wedmore_jb\08149804\08	76D21-ah-500.dgn	DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -
	PLOT DATE = 3/10/2014	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE:	SHEET NO. 7 OF 7 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	3-5R5-3	BOND	59	9
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 76 D21	

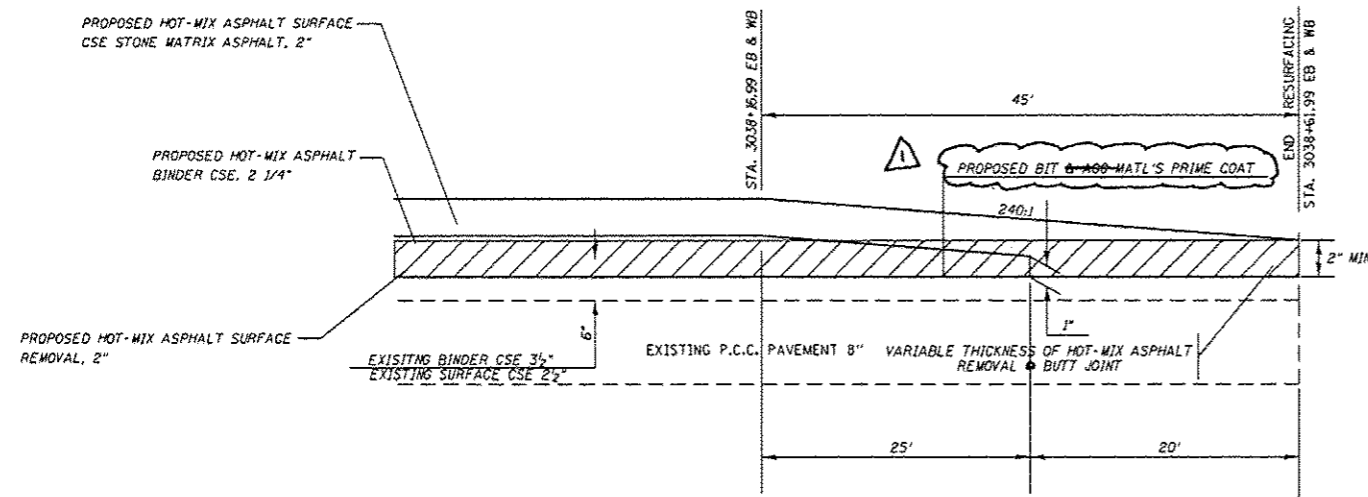


\* = MATCH EXISTING

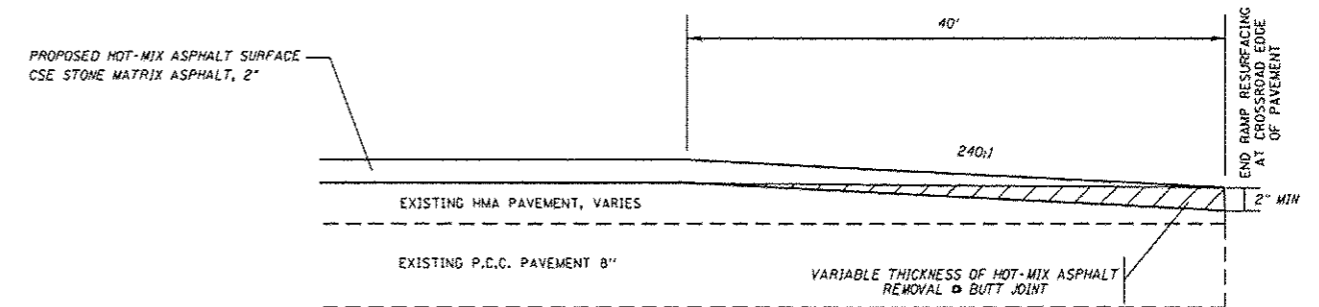
RAMP TYPICAL SECTION  
RAMP I, II, II, IV - (CH 10, SN 003-0036)

LEGEND

- |   |  |
|---|--|
| ① EXISTING CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT, 8"        | ⑪ PROPOSED HOT-MIX ASPHALT SHOULDERS (2")                                |
| ② EXISTING STABILIZED SUB-BASE, 4"  | ⑫ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B                              |
| ③ EXISTING HOT-MIX ASPHALT RESURFACING, VARIES 2"-6"                            | ⑬ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2"                           |
| ④ EXISTING STABILIZED SHOULDERS, 8" MIN.  | ⑭ PROPOSED PIPE UNDERDRAIN, 6"   |
| ⑤ EXISTING PIPE UNDERDRAINS (SHOWN OFFSET FOR CLARITY)                          | ⑮ PROPOSED CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT, 9" |
| ⑥ EXISTING AGGREGATE SHOULDERS  | ⑯ PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A 12"                         |
| ⑦ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)                                    | ⑰ PROPOSED HOT-MIX ASPHALT SHOULDERS (8")                                |
| ⑧ PROPOSED AGGREGATE (PRIME COAT)   | ⑱ PROPOSED HOT-MIX ASPHALT BASE COURSE, 11"                              |
| ⑨ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, FG, N90, 2 1/4"  | ⑲ PROPOSED PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 6"          |
| ⑩ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 2" | ⑳ PROPOSED SHOULDER RUMBLE STRIPS, 16"                                   |



BUTT JOINT DETAIL  
END MAINLINE I-70 RESURFACING  
NOTE: SEE MISCELLANEOUS DETAILS  
ON SHEET #51 FOR WEST END OF PROJECT.



BUTT JOINT DETAIL  
END RAMP RESURFACING

△ REV. 4-9-14

FILE NAME =	USER NAME = wedmore,jb	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS</b>				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\work\pudot\wedmore,jb\08149884\0816021-sht-typical.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	70	3-5RS-3	BOND	59	11	
		CHECKED -	REVISED -										
		DATE -	REVISED -										
													CONTRACT NO. 76D21
													FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

TEMPORARY RAMP SCHEDULE						
LOCATION		LENGTH	WIDTH	TEMPORARY RAMP		
STATION	TO	STATION	DIRECTION	FOOT	FOOT	SQ YD
MAINLINE						
2778+74.10			EB	7	24	19
2778+74.10			WB	7	24	19
MAINLINE ADJACENT TO RAMPS						
RAMP I						
3015+34.42	TO	3015+40.42	WB	347	6	231
RAMP II						
3014+43.55	TO	3014+49.55	EB	1366	6	911
RAMP III						
2985+06.30	TO	2985+12.30	EB	600	6	400
RAMP IV						
2985+21.21	TO	2985+27.21	WB	1197	6	798
TOTAL						2377

GUARDRAIL SCHEDULE																
LOCATION		LENGTH	LT/RT	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	TRAFFIC BARRIER TERMINAL, TYPE 1, (SPECIAL) TANGENT	TRAFFIC BARRIER TERMINAL, TYPE 2	TRAFFIC BARRIER TERMINAL, TYPE 5	TRAFFIC BARRIER TERMINAL, TYPE 6	TRAFFIC BARRIER TERMINAL, TYPE 6B	GUARDRAIL MARKERS, TYPE A	TERMINAL MARKERS, DIRECT APPLIED	CONCRETE CURB, TYPE B	AGGREGATE WEDGE SHOULDER, TYPE B			
STA	TO	STA	FOOT	FOOT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	FOOT	TON			
I-70 WESTBOUND																
2778+75.34	TO	2787+44.09	868.8	775.0	1				1			10	1	15.6	257.4	
2778+75.34	TO	2780+69.09	193.8	100.0	1				1			2	1	15.6	57.4	
2801+65.51	TO	2804+84.26	318.8	225.0	1				1			3	1	15.6	94.4	
2802+65.57	TO	2805+40.57	275.0	225.0	1	1						3	1		81.5	
2843+86.64	TO	2847+42.89	356.3	262.5	1				1			4	1		105.6	
2843+87.42	TO	2846+49.92	262.5	212.5	1	1						3	1		77.8	
3003+65.15	TO	3005+58.90	193.8	100.0	1				1			2	1		57.4	
3022+70.84	TO	3026+95.84	425.0	375.0	1	1						5	1		125.9	
3033+71.61	TO	3035+71.61	200.0	150.0	1	1						2	1		59.3	
I-70 EASTBOUND																
2799+51.68	TO	2802+70.43	318.8	225.0	1				1			3	1	15.6	94.4	
2798+94.67	TO	2801+82.17	287.5	237.5	1	1						3	1		85.2	
2839+29.95	TO	2842+86.20	356.3	262.5	1				1			4	1		105.6	
2840+24.02	TO	2842+86.52	262.5	212.5	1	1						3	1		77.8	
2993+11.25	TO	3003+48.75	1037.5	950.0	1				1			12	1		307.4	
3003+65.15	TO	3011+29.82	764.7	750.0	1	1			1			10	1		226.6	
3022+53.66	TO	3027+28.66	475.0	425.0	1	1						6	1		140.7	
3034+74.83	TO	3043+74.83	900.0	850.0	1	1						11	1		266.7	
MULBERRY GROVE RAMPS																
RAMP II - EB ENTRANCE																
7+00.00	TO	14+62.50	762.5	712.5	1	1						9	1		225.9	
7+00.00	TO	11+62.50	462.5	412.5	1	1						6	1		137.0	
RAMP III - EB EXIT																
12+03.18	TO	15+03.18	300.0	250.0	1	1						4	1		88.9	
RAMP IV - WB ENTRANCE																
1+53.23	TO	5+28.23	375.0	325.0	1	1						5	1		111.1	
2+05.48	TO	4+92.98	287.5	237.5	1	1						3	1		85.2	
TOTAL				8275.0		21	14		1		4	4	113	21	62.5	2869.2

PATCHING SCHEDULE														
LOCATION		PATCH SIZE		PAVEMENT PATCHING					SAW CUTS	PATCHING REINFORCEMENT	SUBBASE GRANULAR MATERIAL, TYPE A 12"	TIE BARS 3/4"	DOWEL BARS 1 1/2"	PAVEMENT FABRIC
STATION	DL/PL	LENGTH FOOT	WIDTH FOOT	TYPE-II SQ YD	CLASS A TYPE-III SQ YD	TYPE-IV SQ YD	CLASS B TYPE-II SQ YD	TYPE-III SQ YD	FOOT	SQ YD	SQ YD	EACH	EACH	SQ YD
I-70 EASTBOUND														
2801+07.91 TO 2804+07.91	DL	300	12			400			624	400	400	150		
2801+07.91 TO 2804+07.91	PL	300	12			400			624	400	400			
2841+58.25 TO 2844+58.25	DL	300	12			400			624	400	400	150		
2841+58.25 TO 2844+58.25	PL	300	12			400			624	400	400			
3001+95.67 TO 3004+95.67	DL	300	12			400			624	400	400	150		
3001+95.67 TO 3004+95.67	PL	300	12			400			624	400	400			
2778+74.10	DL	12	12					16	48			20		16
2778+74.10	PL	12	12					16	48			20		16
2778+84.10	DL	6	12	8					36	8				
2778+84.10	PL	6	12	8					36	8				
2779+24.10	DL	6	12	8					36	8				
2779+24.10	PL	6	12	8					36	8				
2826+84.10	DL	6	12	8					36	8				
2826+84.10	PL	6	12	8					36	8				
2853+94.10	DL	6	12	8					36	8				
2853+94.10	PL	6	12	8					36	8				
2890+54.10	DL	6	12	8					36	8				
2890+54.10	PL	6	12	8					36	8				
2922+44.10	DL	6	12	8					36	8				
2922+44.10	PL	6	12	8					36	8				
2991+24.10	DL	6	12	8					36	8				
2991+24.10	PL	6	12	8					36	8				
I-70 WESTBOUND														
2800+19.78 TO 2803+19.78	DL	300	12			400			624	400	400	150		
2800+19.78 TO 2803+19.78	PL	300	12			400			624	400	400			
2842+14.72 TO 2845+14.72	DL	300	12			400			624	400	400	150		
2842+14.72 TO 2845+14.72	PL	300	12			400			624	400	400			
3002+09.38 TO 3005+09.38	DL	300	12			400			624	400	400	150		
3002+09.38 TO 3005+09.38	PL	300	12			400			624	400	400			
2861+26.99	DL	6	12	8					36	8				
2861+26.99	PL	6	12	8					36	8				
2869+01.99	DL	6	12	8					36	8				
2869+01.99	PL	6	12	8					36	8				
2899+51.99	DL	6	12	8					36	8				
2899+51.99	PL	6	12	8					36	8				
2933+06.99	DL	6	12	8					36	8				
2933+06.99	PL	6	12	8					36	8				
2935+61.99	DL	6	12	8					36	8				
2935+61.99	PL	6	12	8					36	8				
2936+71.99	DL	6	12	8					36	8				
2936+71.99	PL	6	12	8					36	8				
2942+91.99	DL	6	12	8					36	8				
2942+91.99	PL	6	12	8					36	8				
2946+51.99	DL	12	12		16				48	16				
2946+51.99	PL	12	12		16				48	16				
2952+41.99	DL	6	12	8					36	8				
2952+41.99	PL	6	12	8					36	8				
2957+01.99	DL	6	12	8					36	8				
2957+01.99	PL	6	12	8					36	8				
2961+81.99	DL	6	12	8					36	8				
2961+81.99	PL	6	12	8					36	8				
2963+41.99	DL	6	12	8					36	8				
2963+41.99	PL	6	12	8					36	8				
2969+41.99	DL	6	12	8					36	8				
2969+41.99	PL	6	12	8					36	8				
3011+11.99	DL	6	12	8					36	8				
3011+11.99	PL	6	12	8					36	8				
VARIOUS (SEE NOTE 1)									129					
SUB TOTAL				176	16	4800	28	32	129	4992	4800	900	60	28
+15% FOR ANTICIPATED PATCHES				26	2	720	4	5	193	749	720	135	9	9
TOTAL				202	18	5520	32	37	422	5741	5520	1035	115	69

DL = DRIVING LANE  
PL = PASSING LANE

THIS IS AN ESTIMATED QUANTITY FOR BIDDING PURPOSES ONLY. NO ACTUAL CLASS B, TYPE II, PATCHES WERE LOCATED DURING THE PATCHING SURVEY, BUT THIS QUANTITY IS BEING INCLUDED SHOULD TYPE II PATCHES BE REQUIRED.

GUARDRAIL REMOVAL				
LOCATION		LT/RT	GUARDRAIL REMOVAL FOOT	
I-70 WESTBOUND				
2778+75.34	TO	2782+60.34	LT	385
2778+75.34	TO	2780+34.34	RT	159
2801+57.33	TO	2804+73.68	LT	316
2801+89.61	TO	2803+76.96	RT	187
2843+81.49	TO	2847+09.42	LT	328
2843+13.98	TO	2844+29.69	RT	116
3003+65.15	TO	3004+85.19	LT	120
3024+42.84	TO	3026+95.84	LT	253
3033+69.83	TO	3035+71.61		

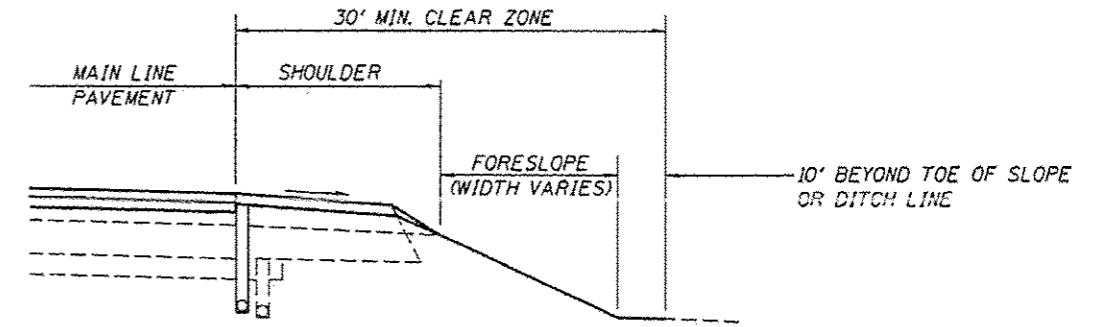


SEEDING & EROSION CONTROL SCHEDULE												
LOCATION			WB/EB	RT/LT	SEEDING	NITROGEN	PHOSPHORUS	POTASSIUM	MULCH,	TEMPORARY	GRADING &	
STA.	TO	STA.			CLASS 2A	FERTILIZER	FERTILIZER	FERTILIZER	METHOD 2	EROSION	SHAPING	
			ACRE	POUND	POUND	POUND	ACRE	POUND	FOOT			
2797+21.28	TO	2806+18.28	WB	LT	0.3	22.5	22.5	22.5	0.3	25.0		
2797+82.28	TO	2805+57.28	WB	RT	0.3	22.5	22.5	22.5	0.3	25.0		
2839+16.22	TO	2848+13.22	WB	LT	0.3	22.5	22.5	22.5	0.3	25.0		
2839+77.22	TO	2847+52.22	WB	RT	0.3	22.5	22.5	22.5	0.3	25.0		
2999+10.88	TO	3008+07.88	WB	LT	0.3	22.5	22.5	22.5	0.3	25.0		
2999+71.88	TO	3007+46.88	WB	RT	0.3	22.5	22.5	22.5	0.3	25.0		
2970+95.03	TO	2977+10.03	WB	RT	0.3	22.5	22.5	22.5	0.3	25.0		
2798+09.41	TO	2807+06.41	EB	RT	0.3	22.5	22.5	22.5	0.3	25.0		
2798+70.41	TO	2806+45.41	EB	LT	0.3	22.5	22.5	22.5	0.3	25.0		
2838+59.75	TO	2847+56.75	EB	RT	0.3	22.5	22.5	22.5	0.3	25.0		
2839+20.75	TO	2846+95.75	EB	LT	0.3	22.5	22.5	22.5	0.3	25.0		
2998+97.17	TO	3007+94.17	EB	RT	0.3	22.5	22.5	22.5	0.3	25.0		
2999+58.17	TO	3007+33.17	EB	LT	0.3	22.5	22.5	22.5	0.3	25.0		
2964+21.00	TO	2970+36.00	EB	LT	0.3	22.5	22.5	22.5	0.3	25.0		
3025+08.77	TO	3031+23.77	EB	LT	0.3	22.5	22.5	22.5	0.3	25.0		
2823+86.71	TO	2842+71.23	EB	RT	0.8	67.5	67.5	67.5	0.8	75.0	1885	
TOTAL					5	405	405	405	5	450	1885	

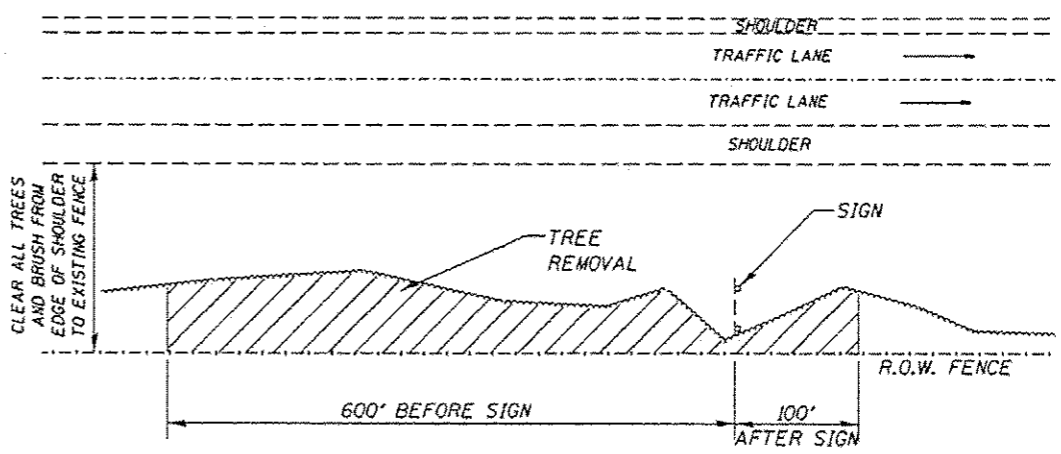
NOTE: 1 THIS WORK IS TO DRAIN CULVERT FROM UNDER ABUTMENT TO CROSSROAD CULVERT. SEE SHEETS 25 AND 26.

TREE REMOVAL							
LOCATION				TREE	TREE	TREE	NOTES
STA.	TO	STA.	LT/RT/MEDIAN	REMOVAL	REMOVAL	REMOVAL	
				ACRES	(6 TO 15 UNITS DIAMETER)	(OVER 15 UNITS DIAMETER)	
2804+00.00	TO	2806+00.00	LT	0.09			TREES CLOSE TO ROAD
2892+50.00	TO	2893+10.00	MEDIAN	0.05			DEAD TREES
2894+00.00	TO	2928+00.00	LT	1.56			TREES
2894+00.00	TO	2928+00.00	MEDIAN WB	1.56			TREES CLOSE TO ROAD
2894+00.00	TO	2918+00.00	MEDIAN EB	1.10			TREES CLOSE TO ROAD
2899+00.00	TO	2918+00.00	RT	0.87			TREES CLOSE TO ROAD
2927+50.00	TO	2930+00.00	MEDIAN	0.17			DEAD TREES
2926+00.00	TO	2937+00.00	RT	0.51			TREES IN DRAINAGE
2934+00.00	TO	2940+00.00	MEDIAN	0.41			TREES IN DRAINAGE
2941+00.00	TO	2941+75.00	MEDIAN	0.05			DEAD TREES
2945+50.00	TO	2947+00.00	MEDIAN	0.05			DEAD TREES
2945+50.00	TO	2947+00.00	RT	0.05			CUT TO R.O.W.
2953+00.00	TO	2955+00.00	LT	0.09			TREES
3004+00.00	TO	3007+00.00	LT	0.14			TREES CLOSE TO ROAD
2997+00.00	TO	3002+50.00	RT	0.25			TREES CLOSE TO ROAD
3005+00.00	TO	3008+00.00	RT	0.14			TREES CLOSE TO ROAD
3024+00.00	TO	3025+00.00	LT	0.05			TREES CLOSE TO ROAD
3024+00.00	TO	3025+00.00	RT	0.05			TREES CLOSE TO ROAD
OFF RAMP I-70			WB	0.46			TREES CLOSE TO ROAD
ON RAMP I-70			WB	0.34			TREES CLOSE TO ROAD
OFF RAMP I-70			EB	0.83			TREES CLOSE TO ROAD
ON RAMP I-70			EB	0.48			TREES CLOSE TO ROAD
2882+26.00			EB LT			18	GROUP OF FOUR DEAD TREES
2882+26.00			EB LT			24	
2882+26.00			EB LT			22	
2882+26.00			EB LT			28	
2888+79.00			EB LT			24	DEAD TREE
2920+12.00			EB LT			24	DEAD TREE
2920+75.00			EB LT			24	DEAD TREE
2935+29.00			EB LT			24	DEAD TREE
2935+80.00			EB LT			20	DEAD TREE
2937+78.00			EB LT			18	DEAD TREE
2939+18.00			EB LT			30	DEAD TREE
2940+46.00			EB LT			24	DEAD TREE
2943+65.00			EB LT			32	DEAD TREE
2944+20.00			EB LT			20	DEAD TREE
2948+18.00			EB LT			36	DEAD TREE
2948+36.00			EB LT			30	DEAD TREE
2948+93.00			EB LT			28	DEAD TREE
2952+81.00			EB LT			26	DEAD TREE
VARIOUS (SEE NOTE 3)						3 @ 10	
TOTAL				9.5	30	452	

- NOTES:
- 1 THE INTENT OF THE TREE REMOVAL IS TO REMOVE DEAD TREES AND TREES (INCLUDING OVERHANGING BRANCHES) THAT ARE IN THE CLEAR ZONE, OBSTRUCTING DRAINAGE OR BLOCKING SIGNS.
  - 2 TREE DIAMETERS, AREAS, AND LOCATIONS ARE APPROXIMATE. EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER BASED ON ACTUAL SITE CONDITIONS.
  - 3 THIS IS AN ESTIMATED QUANTITY FOR BIDDING PURPOSES ONLY. NO 6" TO 15" TREES WERE LOCATED DURING THE INFORMAL FIELD SURVEY, BUT SOME MAY BE DISCOVERED DURING REMOVAL OPERATIONS.



APPROXIMATE LIMITS OF INTENT OF TREE REMOVAL DOWN SLOPES



APPROXIMATE LIMITS OF INTENT OF TREE REMOVAL AROUND SIGNS

REV. 4-9-14