



**TRANSPORTATION CABINET**

Frankfort, Kentucky 40622  
www.transportation.ky.gov/

**Steven L. Beshear**  
Governor

**Michael W. Hancock, P.E.**  
Secretary

December 6, 2010

CALL NO. 100  
CONTRACT ID NO. 101344  
ADDENDUM # 2

Subject: Clay County, NCPD 3000 (873)  
Letting December 10, 2010

- (1) Revised - Plan Sheets - R2K, R2L, R2M, R2N, R2O, R2P, & R54
- (2) Added - Special Note - Page 16(c) of 129
- (3) Revised - Bid Items - Pages 122-129 of 129

Proposal revisions are available at <http://transportation.ky.gov/contract/>.  
Plan revisions are available at <http://www.lynnimaging.com/kytransportation/>.

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

Sincerely,

A handwritten signature in blue ink that reads "Ryan Griffith".

Ryan Griffith  
Director  
Division of Construction Procurement

RG:ks

Enclosures



An Equal Opportunity Employer M/F/D

USER: \$\$\$USER\$\$\$

DATE: 12/2/2010

FILE NAME: J:\kdot\Clay-IP\SENT\2010-12-2\RO020KSL.dgn

E-SHEET NAME:

RO020KSL.dgn

PREPARED BY  
CHECKED BY  
APPROVED BY

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ITEM CODE	ITEM	UNIT	INDUSTRIAL PARK ACCESS ROAD	HAL ROGERS PARKWAY	APPROACH	MAINTENANCE OF TRAFFIC	TOTAL PROJECT
2223	GRANULAR EMBANKMENT	CUYD	2,915				2,915
10203ND	PAVEMENT ADJ CONCRETE (15)	LS					1
10203ND	PAVEMENT ADJ ASPHALT (15)	LS					1
21	DRAINAGE BLANKET EMBANKMENT (12)	CUYD	34,681	6,785			41,466
2159	TEMPORARY DITCH (5)	LF	16,346	3,895			20,241
2200	ROADWAY EXCAVATION (8)	CUYD	2,704,704	75,082 (11)	552		2,780,338
2220	FLOWABLE FILL	CUYD		1,640			1,640
2242	WATER (1)	MGAL	9,475				9,475
2262	FENCE-WOVEN WIRE TYPE I	LF		2543			2,543
2351	GUARDRAIL-STEEL W BEAM-S FACE	LF	10,363	4,375			14,738
2369	GUARDRAIL END TREATMENT TYPE 2A	EACH	4				4
2391	GUARDRAIL END TREATMENT TYPE 4A	EACH	2	2			4
2363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	EACH	2	2			4
2373	GUARDRAIL END TREATMENT TYPE 3	EACH	14				14
2429	RIGHT-OF-WAY MONUMENT TYPE I	EACH	80				80
2432	WITNESS POST	EACH	71				71
2483	CHANNEL LINING CLASS II	TON	11,110	1,755			12,866
2484	CHANNEL LINING CLASS III	TON	5,696	3,086			8,782
2545	CLEARING AND GRUBBING (10)	LS	1				1
2568	MOBILIZATION	LS	1				1
2569	DEMobilIZATION	LS	1				1
2585	EDGE KEY	LF		88			88
2599	FABRIC-GEOTEXTILE TYPE IV (16)	SOYD	229,800	41,333			271,133
2650	MAINTAIN & CONTROL TRAFFIC	LS		1			1
2701	TEMPORARY SILT FENCE (5)	LF	16,346	3,895			20,241
2703	SILT TRAP TYPE A (3)	EACH	169	15			184
2704	SILT TRAP TYPE B (3)	EACH	169	15			184
2705	SILT TRAP TYPE C (3)	EACH	169	15			184
2706	CLEAN SILT TRAP TYPE A (4)	EACH	1,521	45			1,566
2707	CLEAN SILT TRAP TYPE B (4)	EACH	1,521	45			1,566
2708	CLEAN SILT TRAP TYPE C (4)	EACH	1,521	45			1,566
2709	CLEAN TEMPORARY SILT FENCE (4)	LF	147,114	35,055			182,169
5950	EROSION CONTROL BLANKET (6)	SOYD	8,656	767			9,423
5952	TEMPORARY MULCH (2)	SOYD	816,314	68,534			884,848
5953	TEMP SEEDING AND PROTECTION (7)	SOYD	400,531	43,034			443,565
5966	TOPDRESSING FERTILIZER	TON	16	1			17
5985	SEEDING AND PROTECTION (9)	SOYD	95,706	10,580			106,286
1984	DELINEATOR FOR BARRIER-WHITE	EACH			54		54
2014	BARRICADE - TYPE III	EACH			12		12
2562	SIGNS	SOFT			349		349
8903	CRASH CUSHION TYPE VI CLASS BT TL3	EACH			2		2
2898	RELOCATE CRASH CUSHION	EACH			2		2
3171	CONCRETE BARRIER WALL TYPE 9T	LF			4,075		4,075
6511	PAVE STRIPING-TEMP PAINT-6 IN	LF			46,740		46,740
6588	PAVEMENT MARKER TY IVA-BY TEMP	EACH			195		195
2003	RELOCATE TEMP CONC BARRIER WALL	LF			3,895		3,895
20458ES403	CENTERLINE RUMBLE STRIPS - 6"	LF			11,685		11,685
2726	STAKING	LS	1				1
2600	FABRIC-GEOTEXTILE TYPE IV FOR PIPE	SOYD	22,188	2,544			24,732
22854EN	PAVE STRIPE PERM-6 IN HD21-WHITE	LF		9588			9588
22855EN	PAVE STRIPE PERM-6 IN HD21-YELLOW	LF		6650			6650
6514	PAVE STRIPING-PERM PAINT-4 IN	LF	66,168				66,168
6600	REMOVE PAVEMENT MARKER TYPE V	EACH		98			98
01891	ISLAND HEADER CURB TYPE 2	LF	50				50
02381	REMOVE GUARDRAIL	LF		4396			4396
02696	SHOULDER RUMBLE STRIPS-SAWED	LF		7369			7369
2313IER701	PIPELINE VIDEO INSPECTION	LF					2598
02671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH		2			2
06531	PAVEMENT STRIPING REMOVAL-6 IN	LF			16,770		16,770
20210EP69	COHESIVE PILE CORE	CUYD	20				20
23124EN	BORE AND JACK PIPE-48 IN	LF		223			223
21661ES706	BORE AND JACK PIPE (13)	LF		229			229
6589	PAVEMENT MARKER TYPE V-MW	EACH		50			50
6591	PAVEMENT MARKER TYPE V-BY	EACH		180			180
6570	PAVEMENT MARKING-PAINT CROSS-HATCH	SOFT		33,735			33,735

# GENERAL SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
CLAY	11-8002.01	R2K

- ① ESTIMATED AT 2500 M GAL PER MILE
- ② ESTIMATED AT SQUARE YARDS TO COVER ENTIRE DISTURBED AREA ONCE
- ③ ESTIMATED AT ONE PER ACRE DISTURBED
- ④ ESTIMATED AT THREE TIMES PER CONSTRUCTION SEASON WITH THREE CONSTRUCTION SEASONS ESTIMATED
- ⑤ ESTIMATED AT LENGTH OF THE PROJECT
- ⑥ ESTIMATED AT SQUARE YARDS TO LINE PERMANENT DITCHES
- ⑦ ESTIMATED AT SQUARE YARDS TO COVER ENTIRE DISTURBED AREAS MINUS AREAS WHICH ARE PERMANENTLY STABILIZED
- ⑧ QUANTITIES SHOWN ARE FOR INFORMATION ONLY
- ⑨ INCLUDES 1450 SQUARE YARDS OF DITCH SEEDING
- ⑩ APPROXIMATELY 108 ACRES
- ⑪ INCLUDES 4484 CY PAVEMENT EXCAVATION
- ⑫ ROCK DRAINAGE BLANKET. SEE GEOTECH NOTE #15
- ⑬ SEE SPECIAL NOTE 11E SPECIAL NOTE FOR BORING JACKING STEEL PIPE WITHOUT CARRIER PIPE
- ⑭ SEE R2M, R2N, AND R2O FOR ALTERNATE PAVEMENT EARTHWORK QUANTITIES
- ⑮ SEE PROPOSAL FOR SPECIAL NOTE ALTERNATE PAVEMENT BID ADJUSTMENT
- ⑯ QUANTITY FOR ROCK DRAINAGE EMBANKMENT AND ZONING OF EMBANKMENT. SEE PAVEMENT SUMMARY FOR ROADWAY BASE QUANTITY.

### COMMON EXCAVATION INCLUDES:

840,093 CY EXCAVATION (INCLUDES 4484 CY PAVEMENT EXCAVATION)  
7,417 CY DITCH LEFT  
1107 CY DITCH RIGHT  
679,156 CY EMBANKMENT BENCHES (159,347 ROCK REFILL; 519,809 COMMON)  
186,415 CY TRANSVERSE BENCH

### 1,714,187 CY COMMON EXCAVATION EMBANKMENT INCLUDES:

1,395,219 CY EMBANKMENT  
575,464 CY ROCK EMBANKMENT  
22,750 CY ROCK EMBANKMENT BENCH REFILL (DURABLE)  
478,343 CY EMBANKMENT BENCHES (519,809 LESS 41,466 DRAINAGE BLANKET EMBANKMENT)  
186,415 CY TRANSVERSE BENCH

### 2,658,191 CY TOTAL EMBANKMENT

### ROADWAY EXCAVATION INCLUDES:

1,714,187 CY COMMON EXCAVATION  
1,066,151 CY ROCK EXCAVATION

### 2,780,338 CY TOTAL EXCAVATION

122,147 CY TOTAL WASTE (11)

ESTIMATE FOR EARTHWORK CALCULATIONS FOR DESIGN ONLY. THE CONTRACTOR IS ADVISED THAT THE EARTHWORK CALCULATIONS SHOWN ARE FOR INFORMATION ONLY. DUE TO SHRINK AND SWELL QUANTITIES ARE FOR INFORMATIONAL PURPOSES AND WASTE AREAS MAY BE REQUIRED AT THE CONTRACTOR'S EXPENSE.

NOTE: CONTRACTOR MUST UTILIZE ALL DURABLE ROCK ON PROJECT REGARDLESS IF INITIAL BLASTING DOES NOT MAKE ROCK CONFORM TO SECTION 204 OF STANDARD SPECIFICATIONS EVEN IF THIS RESULTS IN ADDED EXPENSED DUE TO THE NEED TO MECHANICALLY BREAK UP ROCK.

CLAY\LESLIE Co. INDUSTRIAL PARK  
GENERAL SUMMARY

USER: \$\$\$USER\$\$\$

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△ REVISED 12-3-10

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CLAY\LESLIE Co. INDUSTRIAL PARK  
GENERAL SUMMARY

# ASPHALT PAVEMENT

## PAVING AREAS

ITEM	INDUSTRIAL PARK ACCESS ROAD		HAL ROGERS PARKWAY			APPROACH		TOTAL PROJECT
	MAINLINE	SHOULDERS	MAINLINE FULL DEPTH PAVEMENT	MAINLINE OVERLAY	SHOULDERS	MAINLINE	SHOULDERS	
SQUARE YARDS								
1.25" CL2 ASPH SURF 0.38D PG64-22	56,388	22,219				675		79,282
3" CL2 ASPH BASE 1.00D PG64-22	56,768	22,219				678		79,665
3" CL2 ASPH BASE 1.00D PG64-22	57,679	22,219				687		80,585
4" CL2 ASPH BASE 1.00D PG64-22	58,591					696		59,287
1.25" CL2 ASPH SURF 0.38D PG76-22			10,021	11,572	9495			31,088
3" CL2 ASPH BASE 1.00D PG76-22			10,100		9495			19,595
4" CL2 ASPH BASE 1.00D PG76-22			10,292					10,292
4" CL2 ASPH BASE 1.00D PG76-22			10,513					10,513
4" CL2 ASPH BASE 1.00D PG76-22			10,768					10,768
4" CRUSHED STONE BASE ①	58,591		10,768			696		70,055
12" #2 AGGREGATE ①	58,591					696		59,287

### NOTES

- ALL ASPHALT MIXTURES SHALL BE ESTIMATED AT 110 LBS. PER SQ. YD. PER INCH OF DEPTH, UNLESS NOTED OTHERWISE.
- ① QUANTITY CALCULATED BY AVERAGE END AREA METHOD.
  - ② ESTIMATED AT 115 LBS. PER SQ. YD. PER INCH OF DEPTH.
  - ③ INCLUDES 4484 CY PAVEMENT EXCAVATION
  - ④ GEOTEXTILE QUANTITY FOR #2 AGGREGATE IN GEOTEXTILE ENVELOPE

## PAVING SUMMARY

ITEM CODE	ITEM	UNIT	INDUSTRIAL PARK ACCESS ROAD		HAL ROGERS PARKWAY			APPROACH		TOTAL PROJECT
			MAINLINE	SHOULDERS	MAINLINE FULL DEPTH PAVEMENT	MAINLINE OVERLAY	SHOULDERS	MAINLINE	SHOULDERS	
301	CL2 ASPH SURF 0.38D PG64-22	TON	3,877	1,528				46		5,451
212	CL2 ASPH BASE 1.00D PG64-22	TON	31,774	7,332				378		39,484
340	CL2 ASPH SURF 0.38D PG76-22	TON			689	796	653			2,138
20696ES403	CL2 ASPH BASE 1.0D PG76-22	TON			8,613		1,567			10,180
3	CRUSHED STONE BASE ②	TON	13,476	26,476	2,477		15,629	160	139	58,357
078	#2 AGGREGATE ②	TON	40,428	29,983				480	29	70,920
190	LEVELING AND WEDGING PG64-22	TON				250				250
2200	ROADWAY EXCAVATION	CUYD	2,704,704			75,082 ③		552		2,780,338
2599	FABRIC-GEOTEXTILE TYPE IV ④	SY								204,088

PREPARED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_

USER: \$\$\$USER\$\$\$  
 DATE: 12/2/2010  
 FILE NAME: J:\Kdot\Clay-IP\SENT\2010-12-2\R0020L.SU.dgn  
 E-SHEET NAME: R0020L.SU.dgn  
 12/2/2010

△ REVISED 12-3-10

# ASPHALT PAVEMENT

## PAVING AREAS

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1.25" CL2 ASPH SURF 0.38D PG76-22			10,021	11,572	9495			31,088
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④ GEOTEXTILE QUANTITY FOR #2 AGGREGATE IN GEOTEXTILE ENVELOPE

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20696ES403	CL2 ASPH BASE 1.0D PG76-22	TON			8,613		1,567			10,180
3	CRUSHED STONE BASE ②	TON	13,476	26,476	2,477		15,629	160	139	58,357
078	#2 AGGREGATE ②	TON	40,428	29,983				480	29	70,920
190	LEVELING AND WEDGING PG64-22	TON				250				250
2200	ROADWAY EXCAVATION	CUYD	2,704,704			75,082 ③		552		2,780,338
2599	FABRIC-GEOTEXTILE TYPE IV ④	SY								204,088

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 FILE NAME: J:\Kdot\Clay-IP\SENT\2010-12-2\RO020LSU.dgn  
 E-SHEET NAME: R0020LSU.dgn  
 12/2/2010

# ASPHALT PAVEMENT WITH GEOGRID

## PAVING AREAS

ITEM	INDUSTRIAL PARK ACCESS ROAD		HAL ROGERS PARKWAY			APPROACH		TOTAL PROJECT
	MAINLINE	SHOULDERS	MAINLINE FULL DEPTH PAVEMENT	MAINLINE OVERLAY	SHOULDERS	MAINLINE	SHOULDERS	
SQUARE YARDS								
1.25" CL2 ASPH SURF 0.38D PG64-22	56,388	22,219				675		79,282
3" CL2 ASPH BASE 1.00D PG64-22	56,768	22,219				678		79,665
3" CL2 ASPH BASE 1.00D PG64-22	57,679	22,219				687		80,585
4" CL2 ASPH BASE 1.00D PG64-22						696		696
1.25" CL2 ASPH SURF 0.38D PG76-22			10,021	11,572	9495			31,088
3" CL2 ASPH BASE 1.00D PG76-22			10,100		9495			19,596
4" CL2 ASPH BASE 1.00D PG76-22			10,292					10,292
4" CL2 ASPH BASE 1.00D PG76-22			10,513					10,513
4" CL2 ASPH BASE 1.00D PG76-22			10,768					10,768
4" CRUSHED STONE BASE ①			10,768			696		11,464
16" CRUSHED STONE BASE ①	57,679							57,679
GEOGRID REINFORCEMENT FOR SUBGRADE	59,444							59,444
12" #2 AGGREGATE						696		696

### NOTES

- ALL ASPHALT MIXTURES SHALL BE ESTIMATED AT 110 LBS. PER SQ. YD. PER INCH OF DEPTH, UNLESS NOTED OTHERWISE.
- ① QUANTITY CALCULATED BY AVERAGE END AREA METHOD.
  - ② ESTIMATED AT 115 LBS. PER SQ. YD. PER INCH OF DEPTH.
  - ③ INCLUDES 4484 CY PAVEMENT EXCAVATION
  - ④ GEOTEXTILE QUANTITY UNDERLYING CRUSHED STONE BASE

## PAVING SUMMARY

ITEM CODE	ITEM	UNIT	INDUSTRIAL PARK ACCESS ROAD		HAL ROGERS PARKWAY			APPROACH		TOTAL PROJECT
			MAINLINE	SHOULDERS	MAINLINE FULL DEPTH PAVEMENT	MAINLINE OVERLAY	SHOULDERS	MAINLINE	SHOULDERS	
301	CL2 ASPH SURF 0.38D PG64-22	TON	3,877	1,528				46		5,451
212	CL2 ASPH BASE 1.00D PG64-22	TON	18,884	7,332				378		26,594
340	CL2 ASPH SURF 0.38D PG76-22	TON			689	796	653			2,138
20696ES403	CL2 ASPH BASE 1.0D PG76-22	TON			8,613		1,567			10,180
3	CRUSHED STONE BASE ②	TON	53,065	48,677	2,477		15,629	160	139	120,147
190	LEVELING AND WEDGING PG64-22	TON				250				250
5	GEOGRID REINFORCEMENT FOR SUBGRADE	SOYD	59,444							59,444
078	#2 AGGREGATE	TON						480	29	509
2200	ROADWAY EXCAVATION	CUYD	2,698,851			75,082 ③		552		2,774,485
2599	FABRIC-GEOTEXTILE TYPE IV ④	SY								115,228

PREPARED BY \_\_\_\_\_ DATE \_\_\_\_\_  
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△ REVISED 12-3-10

# ASPHALT PAVEMENT WITH GEOGRID

## PAVING AREAS

ITEM	INDUSTRIAL PARK ACCESS ROAD		HAL ROGERS PARKWAY			APPROACH		TOTAL PROJECT
	MAINLINE	SHOULDERS	MAINLINE FULL DEPTH PAVEMENT	MAINLINE OVERLAY	SHOULDERS	MAINLINE	SHOULDERS	
SQUARE YARDS								
1.25" CL2 ASPH SURF 0.38D PG64-22	56,388	22,219				675		79,282
3" CL2 ASPH BASE 1.00D PG64-22	56,768	22,219				678		79,665
3" CL2 ASPH BASE 1.00D PG64-22	57,679	22,219				687		80,585
4" CL2 ASPH BASE 1.00D PG64-22						696		696
1.25" CL2 ASPH SURF 0.38D PG76-22			10,021	11,572	9495			31,088
3" CL2 ASPH BASE 1.00D PG76-22			10,100		9495			19,596
4" CL2 ASPH BASE 1.00D PG76-22			10,292					10,292
4" CL2 ASPH BASE 1.00D PG76-22			10,513					10,513
4" CL2 ASPH BASE 1.00D PG76-22			10,768					10,768
4" CRUSHED STONE BASE ①			10,768			696		11,464
16" CRUSHED STONE BASE ①	57,679							57,679
GEOGRID REINFORCEMENT FOR SUBGRADE	59,444							59,444
12" #2 AGGREGATE						696		696

### NOTES

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- ② ESTIMATED AT 115 LBS. PER SQ. YD. PER INCH OF DEPTH.
- ③ INCLUDES 4484 CY PAVEMENT EXCAVATION
- ④ GEOTEXTILE QUANTITY UNDERLYING CRUSHED STONE BASE △

## PAVING SUMMARY

ITEM CODE	ITEM	UNIT	INDUSTRIAL PARK ACCESS ROAD		HAL ROGERS PARKWAY			APPROACH		TOTAL PROJECT
			MAINLINE	SHOULDERS	MAINLINE FULL DEPTH PAVEMENT	MAINLINE OVERLAY	SHOULDERS	MAINLINE	SHOULDERS	
301	CL2 ASPH SURF 0.38D PG64-22	TON	3,877	1,528				46		5,451
212	CL2 ASPH BASE 1.00D PG64-22	TON	18,884	7,332				378		26,594
340	CL2 ASPH SURF 0.38D PG76-22	TON			689	796	653			2,138
20696ES403	CL2 ASPH BASE 1.0D PG76-22	TON			8,613		1,567			10,180
3	CRUSHED STONE BASE ②	TON	53,065	48,677	2,477		15,629	160	139	120,147
190	LEVELING AND WEDGING PG64-22	TON				250				250
5	GEOGRID REINFORCEMENT FOR SUBGRADE	SOYD	59,444							59,444
078	#2 AGGREGATE	TON						480	29	509
2200	ROADWAY EXCAVATION	CUYD		2,698,851		75,082 ③		552		2,774,485
2599	FABRIC-GEOTEXTILE TYPE IV ④	SY								115,228

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# CONCRETE PAVEMENT

## PAVING AREAS

ITEM	INDUSTRIAL PARK ACCESS ROAD		HAL ROGERS PARKWAY			APPROACH		TOTAL PROJECT
	MAINLINE	SHOULDERS	MAINLINE FULL DEPTH PAVEMENT	MAINLINE OVERLAY	SHOULDERS	MAINLINE	SHOULDERS	
SQUARE YARDS								
9" JPC PAVEMENT	56,388							56,388
1.25" CL2 ASPH SURF 0.38D PG64-22		22,219				675		22,894
3" CL2 ASPH BASE 1.00D PG64-22		22,587				678		23,265
3" CL2 ASPH BASE 1.00D PG64-22		23,469				687		24,156
4" CL2 ASPH BASE 1.00D PG64-22						696		696
1.25" CL2 ASPH SURF 0.38D PG76-22			10,021	11,572	9495			31,088
3" CL2 ASPH BASE 1.00D PG76-22			10,100		9495			19,596
4" CL2 ASPH BASE 1.00D PG76-22			10,292					10,292
4" CL2 ASPH BASE 1.00D PG76-22			10,513					10,513
4" CL2 ASPH BASE 1.00D PG76-22			10,768					10,768
4" CRUSHED STONE BASE ①	56,388		10,768			696		67,852
12" #2 AGGREGATE ①	56,388					696		57,084

### NOTES

- ALL ASPHALT MIXTURES SHALL BE ESTIMATED AT 110 LBS. PER SQ. YD. PER INCH OF DEPTH, UNLESS NOTED OTHERWISE.
- ① QUANTITY CALCULATED BY AVERAGE END AREA METHOD.
  - ② ESTIMATED AT 115 LBS. PER SQ. YD. PER INCH OF DEPTH.
  - ③ INCLUDES 4484 CY PAVEMENT EXCAVATION
  - ④ GEOTEXTILE QUANTITY FOR #2 AGGREGATE IN GEOTEXTILE ENVELOPE

## PAVING SUMMARY

ITEM CODE	ITEM	UNIT	INDUSTRIAL PARK ACCESS ROAD		HAL ROGERS PARKWAY			APPROACH		TOTAL PROJECT
			MAINLINE	SHOULDERS	MAINLINE FULL DEPTH PAVEMENT	MAINLINE OVERLAY	SHOULDERS	MAINLINE	SHOULDERS	
2073	9" JPC PAVEMENT	SQYD	56,388							56,388
301	CL2 ASPH SURF 0.38D PG64-22	TON		1,528				46		1,574
212	CL2 ASPH BASE 1.00D PG64-22	TON		7,599				378		7,977
340	CL2 ASPH SURF 0.38D PG76-22	TON			689	796	653			2,138
20696ES403	CL2 ASPH BASE 1.0D PG76-22	TON			8,613		1,567			10,180
3	CRUSHED STONE BASE ②	TON	12,969	18,390	2,477		15,629	160	139	49,764
78	#2 AGGREGATE ②	TON	38,907	31,128				480	29	70,544
190	LEVELING AND WEDGING PG64-22	TON				250				250
2200	ROADWAY EXCAVATION	CUYD	2,700,383			75,082 ③		552		2,776,017
2599	FABRIC-GEOTEXTILE TYPE IV ④	SY								204,088

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△ REVISED 12-3-10

# CONCRETE PAVEMENT

## PAVING AREAS

ITEM	INDUSTRIAL PARK ACCESS ROAD		HAL ROGERS PARKWAY			APPROACH		TOTAL PROJECT
	MAINLINE	SHOULDERS	MAINLINE FULL DEPTH PAVEMENT	MAINLINE OVERLAY	SHOULDERS	MAINLINE	SHOULDERS	
SQUARE YARDS								
9" JPC PAVEMENT	56,388							56,388
1.25" CL2 ASPH SURF 0.38D PG64-22		22,219				675		22,894
3" CL2 ASPH BASE 1.00D PG64-22		22,587				678		23,265
3" CL2 ASPH BASE 1.00D PG64-22		23,469				687		24,156
4" CL2 ASPH BASE 1.00D PG64-22						696		696
1.25" CL2 ASPH SURF 0.38D PG76-22			10,021	11,572	9495			31,088
3" CL2 ASPH BASE 1.00D PG76-22			10,100		9495			19,596
4" CL2 ASPH BASE 1.00D PG76-22			10,292					10,292
4" CL2 ASPH BASE 1.00D PG76-22			10,513					10,513
4" CL2 ASPH BASE 1.00D PG76-22			10,768					10,768
4" CRUSHED STONE BASE ①	56,388		10,768			696		67,852
12" #2 AGGREGATE ①	56,388					696		57,084

### NOTES

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  - ④ GEOTEXTILE QUANTITY FOR #2 AGGREGATE IN GEOTEXTILE ENVELOPE

## PAVING SUMMARY

ITEM CODE	ITEM	UNIT	INDUSTRIAL PARK ACCESS ROAD		HAL ROGERS PARKWAY			APPROACH		TOTAL PROJECT
			MAINLINE	SHOULDERS	MAINLINE FULL DEPTH PAVEMENT	MAINLINE OVERLAY	SHOULDERS	MAINLINE	SHOULDERS	
2073	9" JPC PAVEMENT	SQYD	56,388						56,388	
301	CL2 ASPH SURF 0.38D PG64-22	TON		1,528				46	1,574	
212	CL2 ASPH BASE 1.00D PG64-22	TON		7,599				378	7,977	
340	CL2 ASPH SURF 0.38D PG76-22	TON			689	796	653		2,138	
20696ES403	CL2 ASPH BASE 1.0D PG76-22	TON			8,613		1,567		10,180	
3	CRUSHED STONE BASE ②	TON	12,969	18,390	2,477		15,629	160	49,764	
78	#2 AGGREGATE ②	TON	38,907	31,128				480	70,544	
190	LEVELING AND WEDGING PG64-22	TON				250			250	
2200	ROADWAY EXCAVATION	CUYD	2,700,383			75,082 ③		552	2,776,017	
2599	FABRIC-GEOTEXTILE TYPE IV ④	SY							204,088	

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# CONCRETE PAVEMENT WITH GEOGRID

## PAVING AREAS

PREPARED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_

ITEM	INDUSTRIAL PARK ACCESS ROAD		HAL ROGERS PARKWAY			APPROACH		TOTAL PROJECT
	MAINLINE	SHOULDERS	MAINLINE FULL DEPTH PAVEMENT	MAINLINE OVERLAY	SHOULDERS	MAINLINE	SHOULDERS	
SQUARE YARDS								
9" JPC PAVEMENT	56,388							56,388
1.25" CL2 ASPH SURF 0.38D PG64-22		22,219				675		22,894
3" CL2 ASPH BASE 1.00D PG64-22		22,587				678		23,265
3" CL2 ASPH BASE 1.00D PG64-22		23,469				687		24,156
4" CL2 ASPH BASE 1.00D PG64-22						696		696
10" CRUSHED STONE BASE ①	56,388							56,388
1.25" CL2 ASPH SURF 0.38D PG76-22			10,021	11,572	9495			31,088
3" CL2 ASPH BASE 1.00D PG76-22			10,100		9495			19,596
4" CL2 ASPH BASE 1.00D PG76-22			10,292					10,292
4" CL2 ASPH BASE 1.00D PG76-22			10,513					10,513
4" CL2 ASPH BASE 1.00D PG76-22			10,768					10,768
4" CRUSHED STONE BASE ①			10,768			696		11,464
12" #2 AGGREGATE ①						696		696
GEOGRID REINFORCEMENT FOR SUBGRADE	58,153							58,153

- NOTES
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## PAVING SUMMARY

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			MAINLINE	SHOULDERS	MAINLINE FULL DEPTH PAVEMENT	MAINLINE OVERLAY	SHOULDERS	MAINLINE	SHOULDERS	
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212	CL2 ASPH BASE 1.00D PG64-22	TON		7,599				378		7,977
340	CL2 ASPH SURF 0.38D PG76-22	TON			689	796	653			2,138
20696ES403	CL2 ASPH BASE 1.0D PG76-22	TON			8,613		1,567			10,180
3	CRUSHED STONE BASE ②	TON	32,423	34,842	2,477		15,629	160	139	87,254
78	#2 AGGREGATE ②	TON						480	29	509
190	LEVELING AND WEDGING PG64-22	TON				250				250
5	GEOGRID REINFORCEMENT FOR SUBGRADE	SOYD	58,153							58,153
2200	ROADWAY EXCAVATION	CUYD		2,692,327		75,082 ③		552		2,767,961
2599	FABRIC-GEOTEXTILE TYPE IV ④	SY								115,228

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# CONCRETE PAVEMENT WITH GEOGRID PAVING AREAS

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ITEM	INDUSTRIAL PARK ACCESS ROAD		HAL ROGERS PARKWAY			APPROACH		TOTAL PROJECT
	MAINLINE	SHOULDERS	MAINLINE FULL DEPTH PAVEMENT	MAINLINE OVERLAY	SHOULDERS	MAINLINE	SHOULDERS	
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10" CRUSHED STONE BASE ①	56,388							56,388
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12" #2 AGGREGATE ①						696		696
GEOGRID REINFORCEMENT FOR SUBGRADE	58,153							58,153

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## PAVING SUMMARY

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			MAINLINE	SHOULDERS	MAINLINE FULL DEPTH PAVEMENT	MAINLINE OVERLAY	SHOULDERS	MAINLINE	SHOULDERS	
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340	CL2 ASPH SURF 0.38D PG76-22	TON			689	796	653			2,138
20696ES403	CL2 ASPH BASE 1.0D PG76-22	TON			8,613		1,567			10,180
3	CRUSHED STONE BASE ②	TON	32,423	34,842	2,477		15,629	160	139	87,254
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190	LEVELING AND WEDGING PG64-22	TON				250				250
5	GEOGRID REINFORCEMENT FOR SUBGRADE	SQYD	58,153							58,153
2200	ROADWAY EXCAVATION	CUYD		2,692,327		75,082 ③		552		2,767,961
2599	FABRIC-GEOTEXTILE TYPE IV ④	SY								115,228



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GENERAL NOTES

SIGN SPACING MAY BE ADJUSTED TO FIT THE PHYSICAL CONDITIONS ENCOUNTERED.

SIGNS SHALL BE MADE INACCESSIBLE TO THE VIEW OF TRAFFIC WHENEVER SIGN MESSAGE DOES NOT APPLY.

NORMAL CONSIDERATION WILL BE GIVEN TO PROPERTY OWNERS FOR ACCESS.

BLASTING OPERATIONS

DURING BLASTING OPERATIONS, TRAFFIC MAY BE HALTED FOR A MAXIMUM OF TWENTY MINUTES PER HOUR TO ALLOW EXECUTION OF THE "SHOT" AND ALLOW FOR REMOVAL OF ROCK FRAGMENTS AND DEBRIS.

CLOSINGS IN EXCESS OF 20 MINUTES PER HOUR WILL RESULT IN FINES OF \$500 FOR THE FIRST HOUR AND \$1000 PER HOUR AFTER ONE HOUR.

TRAFFIC STOPPAGE WILL NOT BE PERMITTED BETWEEN THE HOURS OF 6:30 A.M. TO 8:30 A.M., AND 3:00 P.M. TO 5:30 P.M.

BLASTING SIGNS SHOULD ONLY BE IN PLACE DURING BLASTING OPERATIONS.

TRAFFIC STOPPAGE

TRAFFIC MAY BE HALTED FOR A MAXIMUM OF TWENTY MINUTES PER HOUR. TRAFFIC STOPPAGE WILL NOT BE PERMITTED BETWEEN THE HOURS OF 6:30 A.M. TO 8:30 A.M. AND 3:00 P.M. TO 5:30 P.M.

LANE WIDTHS

THE CONTRACTOR SHALL MAINTAIN EXISTING LANE WIDTH AT A MINIMUM DURING CONSTRUCTION. HOWEVER, DURING WORKING HOURS, ONE-LANE TRAFFIC MAY BE ALLOWED AT THE DISCRETION OF THE ENGINEER, PROVIDED ADEQUATE TRAFFIC CONTROL IS IN PLACE AT THE LOCATION.

REMOVAL OF PAVEMENT MARKINGS

A SCRATCH COURSE SHALL BE PLACED ON THE HAL ROGERS PARKWAY BEFORE PHASES I, II AND III TO ELIMINATE MEDIAN RUMBLE STRIPS AND PAVEMENT MARKING.

LANE CLOSURES

CONTRARY TO SECTION 112 OF THE STANDARD SPECIFICATIONS, NO DIRECT PAYMENT WILL BE MADE FOR LANE CLOSURES. ALL LANE CLOSURES (LONG TERM OR SHORT TERM) WILL BE INCIDENTAL TO THE LUMP SUM ITEM FOR MAINTAIN & CONTROL TRAFFIC.

EXISTING RUMBLE STRIPS

EXISTING RUMBLE STRIPS ON HAL ROGERS PARKWAY MUST BE COVERED WITH A 3 FOOT WIDE PAVED STRIP DURING MAINTENANCE OF TRAFFIC

PAVEMENT EDGE DROP-OFFS

PAVEMENT EDGE DROP-OFFS ARE NOT EXPECTED TO BE ENCOUNTERED. HOWEVER, IF THEY DO OCCUR, THEY ARE TO BE TREATED AS FOLLOWS:

DIFFERENCE IN ELEVATION FOR TRAVEL LANES

- A PAVEMENT EDGE THAT TRAFFIC IS EXPECTED TO CROSS IN A LANE CHANGE SITUATION SHALL NOT HAVE AN ELEVATION DIFFERENCE GREATER THAN 1 1/2 INCHES. THEY MAY BE INCREASED TO 2 INCHES FOR LOW SPEED SITUATIONS. WARNING SIGNS SHALL BE PLACED IN ADVANCE AND THROUGHOUT THE DROP-OFF AREA WHEN DROP-OFFS ARE GREATER THAN 1/2 INCH. MODIFICATIONS WILL BE AS DIRECTED BY THE ENGINEER.

PAVEMENT EDGES THAT TRAFFIC IS NOT EXPECTED TO CROSS, SHALL BE TREATED AS FOLLOWS; OR, AS DIRECTED BY THE ENGINEER:

- LESS THAN 1/2 INCH - NO PROTECTION REQUIRED.
- 1/2 TO 2 INCHES - WARNING SIGNS SHALL BE PLACED IN ADVANCE AND THROUGHOUT THE DROP-OFF AREA.
- 2 TO 4 INCHES - PLASTIC DRUMS, VERTICAL PANELS, OR BARRICADES SHALL BE PLACED EVERY 50 FEET FOR SPEEDS LESS THAN 50 MILES PER HOUR AND EVERY 100 FEET FOR SPEEDS OF 50 MILES PER HOUR AND GREATER. CONES MAY BE USED IN PLACE OF PLASTIC DRUMS, VERTICAL PANELS, AND BARRICADES DURING DAYLIGHT HOURS. SPACING FOR TAPERS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- 4 INCHES AND GREATER - POSITIVE SEPARATION NEEDED OR WEDGE WITH 3:1 OR FLATTER SLOPE. IF THERE IS 8 FEET OR MORE DISTANCE BETWEEN THE EDGE OF PAVEMENT AND DROP-OFF, PLASTIC DRUMS, VERTICAL PANELS OR BARRICADES MAY BE USED. IF CONCRETE BARRIERS ARE USED, SPECIAL REFLECTIVE DEVICES OR STEADY BURN LIGHTS SHALL BE USED FOR OVERNIGHT INSTALLATIONS.

FOR TEMPORARY CONDITIONS, DROP-OFFS 4 INCHES AND GREATER MAY BE PROTECTED WITH PLASTIC DRUMS, VERTICAL PANELS, OR BARRICADES FOR SHORT DISTANCES DURING DAYLIGHT HOURS WHILE WORK IS BEING DONE IN THE DROP-OFF AREA.

PAYMENT WILL BE ALLOWED FOR DGA MATERIAL USED FOR WEDGING.

TRAFFIC CONTROL SIGN QUANTITIES									
DESCRIPTION	W20-1 (48" x 48")	W3-1 (24" x 24")	W1-ARR (48" x 48")	W1-ALL (48" x 48")	W22-1 (48" x 48")	W22-2 (42" x 36")	W22-3 (42" x 36")	G20-2A (36" x 18")	R11-2 (48" x 30")
SIGN TOTAL	2	2	2	2	2	2	2	2	8
SO FT (EACH)	16	4	16	16	16	10.5	10.5	4.5	10
SO FT (TOTAL)	32	8	32	32	32	21	21	9.5	80

PORTABLE CHANGEABLE MESSAGE SIGNS

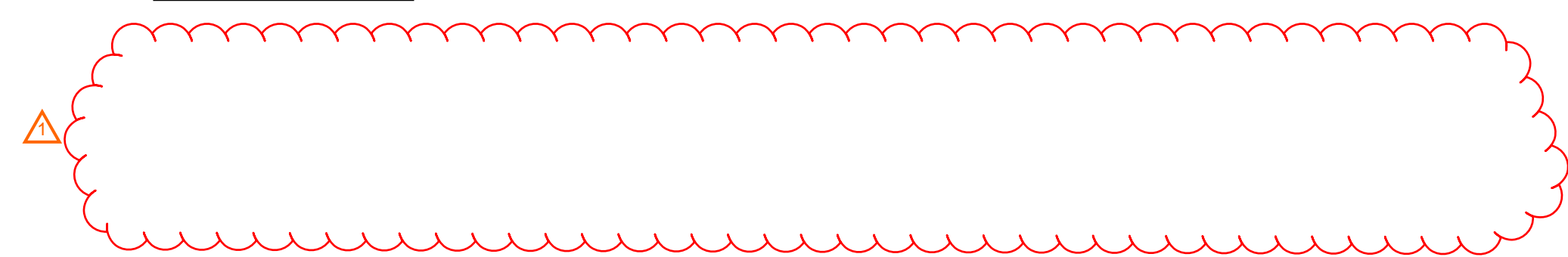
FURNISH, INSTALL, OPERATE, AND MAINTAIN VARIABLE MESSAGE SIGN AT THE LOCATIONS SHOWN ON THE PLANS OR DESIGNATED BY THE ENGINEER. A VARIABLE MESSAGE BOARD IS SUGGESTED IN ADVANCE OF THE WORK ZONE AREA ON HAL ROGERS PARKWAY. THIS WILL INFORM ROAD USERS THAT ARE CONDITIONED TO UNINTERRUPTED FLOWS OF TRAFFIC.

USER: \$\$\$USER\$\$\$  
 DATE: \$\$\$DATE\$\$\$  
 FILE NAME: \$\$\$designs\$filespecifications\$\$\$  
 E-SHEET NAME: \$\$\$DATE\$\$\$  
 NAME: DGN

△ REVISED 12-3-10

PREPARED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_

GENERAL NOTES



SIGN SPACING MAY BE ADJUSTED TO FIT THE PHYSICAL CONDITIONS ENCOUNTERED.

SIGNS SHALL BE MADE INACCESSIBLE TO THE VIEW OF TRAFFIC WHENEVER SIGN MESSAGE DOES NOT APPLY.

NORMAL CONSIDERATION WILL BE GIVEN TO PROPERTY OWNERS FOR ACCESS.

BLASTING OPERATIONS

DURING BLASTING OPERATIONS, TRAFFIC MAY BE HALTED FOR A MAXIMUM OF TWENTY MINUTES PER HOUR TO ALLOW EXECUTION OF THE "SHOT" AND ALLOW FOR REMOVAL OF ROCK FRAGMENTS AND DEBRIS.

CLOSINGS IN EXCESS OF 20 MINUTES PER HOUR WILL RESULT IN FINES OF \$500 FOR THE FIRST HOUR AND \$1000 PER HOUR AFTER ONE HOUR.

TRAFFIC STOPPAGE WILL NOT BE PERMITTED BETWEEN THE HOURS OF 6:30 A.M. TO 8:30 A.M., AND 3:00 P.M. TO 5:30 P.M.

BLASTING SIGNS SHOULD ONLY BE IN PLACE DURING BLASTING OPERATIONS.

TRAFFIC STOPPAGE

TRAFFIC MAY BE HALTED FOR A MAXIMUM OF TWENTY MINUTES PER HOUR. TRAFFIC STOPPAGE WILL NOT BE PERMITTED BETWEEN THE HOURS OF 6:30 A.M. TO 8:30 A.M. AND 3:00 P.M. TO 5:30 P.M.

LANE WIDTHS

THE CONTRACTOR SHALL MAINTAIN EXISTING LANE WIDTH AT A MINIMUM DURING CONSTRUCTION. HOWEVER, DURING WORKING HOURS, ONE-LANE TRAFFIC MAY BE ALLOWED AT THE DISCRETION OF THE ENGINEER, PROVIDED ADEQUATE TRAFFIC CONTROL IS IN PLACE AT THE LOCATION.

REMOVAL OF PAVEMENT MARKINGS

A SCRATCH COURSE SHALL BE PLACED ON THE HAL ROGERS PARKWAY BEFORE PHASES I, II AND III TO ELIMINATE MEDIAN RUMBLE STRIPS AND PAVEMENT MARKING.

LANE CLOSURES

CONTRARY TO SECTION 112 OF THE STANDARD SPECIFICATIONS, NO DIRECT PAYMENT WILL BE MADE FOR LANE CLOSURES. ALL LANE CLOSURES (LONG TERM OR SHORT TERM) WILL BE INCIDENTAL TO THE LUMP SUM ITEM FOR MAINTAIN & CONTROL TRAFFIC.

EXISTING RUMBLE STRIPS

EXISTING RUMBLE STRIPS ON HAL ROGERS PARKWAY MUST BE COVERED WITH A 3 FOOT WIDE PAVED STRIP DURING MAINTENANCE OF TRAFFIC

PAVEMENT EDGE DROP-OFFS

PAVEMENT EDGE DROP-OFFS ARE NOT EXPECTED TO BE ENCOUNTERED. HOWEVER, IF THEY DO OCCUR, THEY ARE TO BE TREATED AS FOLLOWS:

DIFFERENCE IN ELEVATION FOR TRAVEL LANES

- A PAVEMENT EDGE THAT TRAFFIC IS EXPECTED TO CROSS IN A LANE CHANGE SITUATION SHALL NOT HAVE AN ELEVATION DIFFERENCE GREATER THAN 1 1/2 INCHES. THEY MAY BE INCREASED TO 2 INCHES FOR LOW SPEED SITUATIONS. WARNING SIGNS SHALL BE PLACED IN ADVANCE AND THROUGHOUT THE DROP-OFF AREA WHEN DROP-OFFS ARE GREATER THAN 1/2 INCH. MODIFICATIONS WILL BE AS DIRECTED BY THE ENGINEER.

PAVEMENT EDGES THAT TRAFFIC IS NOT EXPECTED TO CROSS, SHALL BE TREATED AS FOLLOWS; OR, AS DIRECTED BY THE ENGINEER:

- LESS THAN 1/2 INCH - NO PROTECTION REQUIRED.
- 1/2 TO 2 INCHES - WARNING SIGNS SHALL BE PLACED IN ADVANCE AND THROUGHOUT THE DROP-OFF AREA.
- 2 TO 4 INCHES - PLASTIC DRUMS, VERTICAL PANELS, OR BARRICADES SHALL BE PLACED EVERY 50 FEET FOR SPEEDS LESS THAN 50 MILES PER HOUR AND EVERY 100 FEET FOR SPEEDS OF 50 MILES PER HOUR AND GREATER. CONES MAY BE USED IN PLACE OF PLASTIC DRUMS, VERTICAL PANELS, AND BARRICADES DURING DAYLIGHT HOURS. SPACING FOR TAPERS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
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PAYMENT WILL BE ALLOWED FOR DGA MATERIAL USED FOR WEDGING.

TRAFFIC CONTROL SIGN QUANTITIES									
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SO FT (EACH)	16	4	16	16	16	10.5	10.5	4.5	10
SO FT (TOTAL)	32	8	32	32	32	21	21	9.5	80

PORTABLE CHANGEABLE MESSAGE SIGNS

FURNISH, INSTALL, OPERATE, AND MAINTAIN VARIABLE MESSAGE SIGN AT THE LOCATIONS SHOWN ON THE PLANS OR DESIGNATED BY THE ENGINEER. A VARIABLE MESSAGE BOARD IS SUGGESTED IN ADVANCE OF THE WORK ZONE AREA ON HAL ROGERS PARKWAY. THIS WILL INFORM ROAD USERS THAT ARE CONDITIONED TO UNINTERRUPTED FLOWS OF TRAFFIC.

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 FILE NAME: \$\$\$designs\$filespecifications\$\$\$  
 E-SHEET NAME: \$\$\$DATE\$\$\$  
 NAME: DGN

**SPECIAL NOTE FOR REMOVAL OF EXISTING EDGE DRAIN SYSTEM**

THE EXISTING EDGE DRAIN SYSTEM ON THE HAL ROGERS PARKWAY MUST BE REMOVED PRIOR TO WIDENING. ALL WORK TO REMOVE EDGE DRAIN, LATERALS AND HEADWALLS WILL BE CONSIDERED INCIDENTAL TO THE ROADWAY EXCAVATION PAY ITEM.



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PROPOSAL: NCPD 3000 (873)

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LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
SECTION 0001		PAVING				
ALT GROUP AA1		ALTERNATE 1 - ASPHALT PAVEMENT				
0010	00003	CRUSHED STONE BASE	58,357.000	TON		
0020	00078	CRUSHED AGGREGATE SIZE NO 2	70,920.000	TON		
0030	00190	LEVELING & WEDGING PG64-22	250.000	TON		
0040	00212	CL2 ASPH BASE 1.00D PG64-22	39,484.000	TON		
0050	00301	CL2 ASPH SURF 0.38D PG64-22	5,451.000	TON		
0060	00340	CL2 ASPH SURF 0.38D PG76-22	2,138.000	TON		
0070	02200	ROADWAY EXCAVATION	2,780,338.000	CUYD		
0071	02599	FABRIC-GEOTEXTILE TYPE IV (ADDED: 12-6-10)	204,088.000	SQYD		
0080	10203ND	PAVEMENT ADJUSTMENT	( 1.00)	LS	452,245.00	452,245.00
0090	20696ES403	CL2 ASPH BASE 1.0D PG76-22	10,180.000	TON		
SECTION 0002		PAVING				
ALT GROUP AA2		ALTERNATE 2 - ALPHALT PAVEMENT WITH GEOGRID				
0100	00003	CRUSHED STONE BASE	120,147.000	TON		
0110	00005	GEOGRID REINFORCEMENT FOR SUBGRADE	59,444.000	SQYD		
0120	00078	CRUSHED AGGREGATE SIZE NO 2	509.000	TON		
0130	00190	LEVELING & WEDGING PG64-22	250.000	TON		
0140	00212	CL2 ASPH BASE 1.00D PG64-22	26,594.000	TON		
0150	00301	CL2 ASPH SURF 0.38D PG64-22	5,451.000	TON		
0160	00340	CL2 ASPH SURF 0.38D PG76-22	2,138.000	TON		
0170	02200	ROADWAY EXCAVATION	2,774,485.000	CUYD		
0171	02599	FABRIC-GEOTEXTILE TYPE IV (ADDED: 12-6-10)	115,228.000	SQYD		

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LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
0180	10203ND	PAVEMENT ADJUSTMENT	( 1.00)	LS	452,245.00	452,245.00
0190	20696ES403	CL2 ASPH BASE 1.0D PG76-22	10,180.000	TON		
SECTION 0003		PAVING				
ALT GROUP AA3		ALTERNATE 3 - CONCRETE PAVEMENT				
0200	00003	CRUSHED STONE BASE	49,764.000	TON		
0210	00078	CRUSHED AGGREGATE SIZE NO 2	70,544.000	TON		
0220	00190	LEVELING & WEDGING PG64-22	250.000	TON		
0230	00212	CL2 ASPH BASE 1.00D PG64-22	7,977.000	TON		
0240	00301	CL2 ASPH SURF 0.38D PG64-22	1,574.000	TON		
0250	00340	CL2 ASPH SURF 0.38D PG76-22	2,138.000	TON		
0260	02073	JPC PAVEMENT-9 IN	56,388.000	SQYD		
0270	02200	ROADWAY EXCAVATION	2,776,017.000	CUYD		
0271	02599	FABRIC-GEOTEXTILE TYPE IV (ADDED: 12-6-10)	204,088.000	SQYD		
0280	10203ND	PAVEMENT ADJUSTMENT	( 1.00)	LS	218,597.00	218,597.00
0290	20696ES403	CL2 ASPH BASE 1.0D PG76-22	10,180.000	TON		
SECTION 0004		PAVING				
ALT GROUP AA4		ALTERNATE 4 - CONCRETE PAVEMENT WITH GEOGRID				
0300	00003	CRUSHED STONE BASE	87,254.000	TON		
0310	00005	GEOGRID REINFORCEMENT FOR SUBGRADE	58,153.000	SQYD		
0320	00078	CRUSHED AGGREGATE SIZE NO 2	509.000	TON		
0330	00190	LEVELING & WEDGING PG64-22	250.000	TON		
0340	00212	CL2 ASPH BASE 1.00D PG64-22	7,977.000	TON		
0350	00301	CL2 ASPH SURF 0.38D PG64-22	1,574.000	TON		

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LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
0360	00340	CL2 ASPH SURF 0.38D PG76-22	2,138.000	TON		
0370	02073	JPC PAVEMENT-9 IN	56,388.000	SQYD		
0380	02200	ROADWAY EXCAVATION	2,767,961.000	CUYD		
0381	02599	FABRIC-GEOTEXTILE TYPE IV (ADDED: 12-6-10)	115,228.000	SQYD		
0390	10203ND	PAVEMENT ADJUSTMENT	( 1.00)	LS	218,597.00	218,597.00
0400	20696ES403	CL2 ASPH BASE 1.0D PG76-22	10,180.000	TON		
SECTION 0005 ROADWAY						
0410	00021	DRAINAGE BLANKET-EMBANKMENT	41,466.000	CUYD		
0420	01891	ISLAND HEADER CURB TYPE 2	50.000	LF		
0430	01984	DELINEATOR FOR BARRIER-WHITE	54.000	EACH		
0440	02003	RELOCATE TEMP CONC BARRIER	3,895.000	LF		
0450	02014	BARRICADE-TYPE III	12.000	EACH		
0460	02159	TEMP DITCH	20,241.000	LF		
0470	02220	FLOWABLE FILL	1,640.000	CUYD		
0471	02223	GRANULAR EMBANKMENT (ADDED: 12-1-10)	2,915.000	CUYD		
0480	02242	WATER	9,475.000	MGAL		
0490	02262	FENCE-WOVEN WIRE TYPE 1	2,543.000	LF		
0500	02351	GUARDRAIL-STEEL W BEAM-S FACE	14,738.000	LF		
0510	02363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	4.000	EACH		
0520	02369	GUARDRAIL END TREATMENT TYPE 2A	4.000	EACH		
0530	02373	GUARDRAIL END TREATMENT TYPE 3	14.000	EACH		

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LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
0540	02381	REMOVE GUARDRAIL	4,396.000	LF		
0550	02391	GUARDRAIL END TREATMENT TYPE 4A	4.000	EACH		
0560	02429	RIGHT-OF-WAY MONUMENT TYPE 1	80.000	EACH		
0570	02432	WITNESS POST	71.000	EACH		
0580	02483	CHANNEL LINING CLASS II	12,866.000	TON		
0590	02484	CHANNEL LINING CLASS III	8,782.000	TON		
0600	02545	CLEARING AND GRUBBING (108 ACRES)	( 1.00)	LS		
0610	02562	SIGNS	349.000	SQFT		
0620	02585	EDGE KEY	88.000	LF		
0630	02599	FABRIC-GEOTEXTILE TYPE IV (REVISED: 12-6-10)	271,133.000	SQYD		
0640	02600	FABRIC GEOTEXTILE TY IV FOR PIPE	24,732.000	SQYD	2.00	49,464.00
0650	02650	MAINTAIN & CONTROL TRAFFIC	( 1.00)	LS		
0660	02671	PORTABLE CHANGEABLE MESSAGE SIGN	2.000	EACH		
0670	02696	SHOULDER RUMBLE STRIPS-SAWED	7,369.000	LF		
0680	02701	TEMP SILT FENCE	20,241.000	LF		
0690	02703	SILT TRAP TYPE A	184.000	EACH		
0700	02704	SILT TRAP TYPE B	184.000	EACH		
0710	02705	SILT TRAP TYPE C	184.000	EACH		
0720	02706	CLEAN SILT TRAP TYPE A	1,566.000	EACH		
0730	02707	CLEAN SILT TRAP TYPE B	1,566.000	EACH		
0740	02708	CLEAN SILT TRAP TYPE C	1,566.000	EACH		

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LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
0750	02709	CLEAN TEMP SILT FENCE	182,169.000	LF		
0760	02726	STAKING	( 1.00)	LS		
0770	02898	RELOCATE CRASH CUSHION	2.000	EACH		
0780	03171	CONCRETE BARRIER WALL TYPE 9T	4,075.000	LF		
0790	05950	EROSION CONTROL BLANKET	9,423.000	SQYD		
0800	05952	TEMP MULCH	884,848.000	SQYD		
0810	05953	TEMP SEEDING AND PROTECTION	443,565.000	SQYD		
0820	05966	TOPDRESSING FERTILIZER	17.000	TON		
0830	05985	SEEDING AND PROTECTION	106,286.000	SQYD		
0840	06511	PAVE STRIPING-TEMP PAINT-6 IN	46,740.000	LF		
0850	06514	PAVE STRIPING-PERM PAINT-4 IN	66,168.000	LF		
0860	06531	PAVE STRIPING REMOVAL-6 IN	16,770.000	LF		
0870	06570	PAVE MARKING-PAINT CROSS-HATCH	33,735.000	SQFT		
0880	06588	PAVEMENT MARKER TY IVA-BY TEMP	195.000	EACH		
0890	06589	PAVEMENT MARKER TYPE V-MW	50.000	EACH		
0900	06591	PAVEMENT MARKER TYPE V-BY	180.000	EACH		
0910	06600	REMOVE PAVEMENT MARKER TYPE V	98.000	EACH		
0920	08903	CRASH CUSHION TY VI CLASS BT TL3	2.000	EACH		
0930	20210EP69	COHESIVE PILE CORE	20.000	CUYD		
0940	20458ES403	CENTERLINE RUMBLE STRIPS	11,685.000	LF		
0950	21661ES706	BORE AND JACK PIPE	229.000	LF		

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LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
0960	22854EN	PAVE STRIPE PERM-6 IN HD21-WHITE	9,588.000	LF		
0970	22855EN	PAVE STRIPE PERM-6 IN HD21-YELLOW	6,650.000	LF		
0980	23124EN	BORE AND JACK PIPE-48 IN	223.000	LF		
0990	23131ER701	PIPELINE VIDEO INSPECTION	2,598.000	LF		
SECTION 0006 DRAINAGE						
1000	00078	CRUSHED AGGREGATE SIZE NO 2 (REVISED: 12-6-10)	57.000	TON		
1010	00462	CULVERT PIPE-18 IN	607.000	LF		
1020	00464	CULVERT PIPE-24 IN	481.000	LF		
1030	00466	CULVERT PIPE-30 IN	1,114.000	LF		
1040	00468	CULVERT PIPE-36 IN	1,103.000	LF		
1050	00470	CULVERT PIPE-48 IN	95.000	LF		
1060	00471	CULVERT PIPE-54 IN	848.000	LF		
1070	00472	CULVERT PIPE-60 IN	188.000	LF		
1080	00522	STORM SEWER PIPE-18 IN	149.000	LF		
1090	00528	STORM SEWER PIPE-36 IN	154.000	LF		
1100	00529	STORM SEWER PIPE-42 IN	287.000	LF		
1110	00530	STORM SEWER PIPE-48 IN	169.000	LF		
1120	01000	PERFORATED PIPE-4 IN (REVISED: 12-6-10)	18,556.000	LF		
1130	01010	NON-PERFORATED PIPE-4 IN (REVISED: 12-6-10)	2,221.000	LF		
1140	01012	NON-PERFORATED PIPE-8 IN (REVISED: 12-6-10)	2,665.000	LF		
1141	01020	PERF PIPE HEADWALL TY 1-4 IN (ADDED: 12-6-10)	18.000	EACH		

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LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
1142	01028	PERF PIPE HEADWALL TY 3-4 IN (ADDED: 12-6-10)	2.000	EACH		
1150	01032	PERF PIPE HEADWALL TY 4-4 IN	34.000	EACH		
1160	01034	PERF PIPE HEADWALL TY 4-8 IN	3.000	EACH		
1170	01451	S & F BOX INLET-OUTLET-24 IN	2.000	EACH		
1180	01452	S & F BOX INLET-OUTLET-30 IN	1.000	EACH		
1190	01453	S & F BOX INLET-OUTLET-36 IN	5.000	EACH		
1200	01490	DROP BOX INLET TYPE 1	15.000	EACH		
1210	01493	DROP BOX INLET TYPE 2	1.000	EACH		
1220	01538	DROP BOX INLET TYPE 7	1.000	EACH		
1230	01642	JUNCTION BOX-18 IN	1.000	EACH		
1240	01643	JUNCTION BOX-24 IN	1.000	EACH		
1250	01767	MANHOLE TYPE C	1.000	EACH		
1260	08100	CONCRETE-CLASS A	80.880	CUYD		
1270	08150	STEEL REINFORCEMENT	4,972.500	LB		
1280	23057NN	MODIFIED ENDWALL TY U-42 IN	1.000	EACH		
1290	23058NN	MODIFIED ENDWALL TY U-48 IN	1.000	EACH		
SECTION 0007 BRIDGE						
1300	02231	STRUCTURE GRANULAR BACKFILL	88.000	CUYD		
1310	02625	REMOVE HEADWALL	2.000	EACH		
1320	02998	MASONRY COATING	220.000	SQYD		
1330	03299	ARMORED EDGE FOR CONCRETE	80.000	LF		

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LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
1340	08002	STRUCTURE EXCAV-SOLID ROCK	192.000	CUYD		
1350	08003	FOUNDATION PREPARATION 26190	( 1.00)	LS		
1360	08003	FOUNDATION PREPARATION 26191	( 1.00)	LS		
1370	08019	CYCLOPEAN STONE RIP RAP	556.000	TON		
1380	08033	TEST PILES	32.000	LF		
1390	08039	PRE-DRILLING FOR PILES	91.000	LF		
1400	08046	PILES-STEEL HP12X53	158.000	LF		
1410	08094	PILE POINTS-12 IN	12.000	EACH		
1420	08100	CONCRETE-CLASS A	782.500	CUYD		
1430	08104	CONCRETE-CLASS AA	86.800	CUYD		
1440	08150	STEEL REINFORCEMENT	115,012.000	LB		
1450	08151	STEEL REINFORCEMENT-EPOXY COATED	14,057.000	LB		
1460	08669	PRECAST PC BOX BEAM SB21	351.000	LF		
1470	21532ED	RAIL SYSTEM TYPE III	120.000	LF		
SECTION 0008 TRAINEES						
1480	02742	TRAINEE PAYMENT REIMBURSEMENT 2 ARTICULATING OFF ROAD TRUCK DRIVERS	3,200.000	HOUR		
SECTION 0009 MOBILIZATION / DEMOBILIZATION						
1490	02568	MOBILIZATION (NO MORE THAN 5%)		LUMP		
1500	02569	DEMOBILIZATION (AT LEAST 1.5%)		LUMP		
TOTAL BID						