DEPARTMENT OF TRANSPORTATION
ES/OE MS #43
1727 30TH Street, 2ND Floor
Sacramento, CA 95816

April 13, 2001

06-Fre-99-32.5/50.9
06-393304
ACNH-P099(415)E

Addendum No. 1

Dear Contractor:

This addendum is being issued to the contract for construction on State highway in FRESNO COUNTY IN FRESNO FROM VENTURA STREET OVERCROSSING TO FRESNO/MADERA COUNTY LINE.

Submit bids for this work with the understanding and full consideration of this addendum. The revisions declared in this addendum are an essential part of the contract.

Bids for this work will be opened on May 1, 2001.

This addendum is being issued to revise the Notice to Contractors and Special Provisions, the Proposal and Contract, and the Federal Minimum Wages with Modification Number 3 dated 4-13-01. A copy of the modified wage rates are available for the contractor's use on the Internet Site:

http://www.dot.ca.gov/hq/esc/oe/weekly_ads/addendum_page.html

In the Special Provisions, Section 5-1.13, "FORCE ACCOUNT PAYMENT," is deleted.

In the Special Provisions, Section 10-1.01, "ORDER OF WORK," the following paragraph is added after the second paragraph:

"All construction activities including crack and seat existing concrete pavement, panel replacement and AC overlay operations from Station 39+32 to Station 52+19 shall be completed within 70 working days after approval of the contract. Nonconflicting work may proceed concurrently outside the station limits mentioned above provided progress is maintained adequately to assure completion of the specified location within 70 working days after approval of the contract. In the event satisfactory progress is not maintained, the Engineer may order suspension of such nonconflicting work."

In the Special Provisions, Section 10-1.01, "ORDER OF WORK," the third paragraph is revised as follows:

"Cold plane or roadway excavation shall be followed by ramp paving within 48 hours."

In the Special Provisions, Section 10-1.01, "ORDER OF WORK," the sixth paragraph is revised as follows:

"Attention is directed to "Maintain Traffic" and "Temporary Pavement Delineation" of these special provisions and to the stage construction sheets of the plans."

In the Special Provisions, Section 10-1.01, "ORDER OF WORK," the first sentence in the twelfth paragraph is revised as follows:

"At the end of each working day if a difference in excess of 45-millimeter exists between the elevation of the existing pavement and the elevation of excavations within 2.4 m of the traveled way, material shall be placed and compacted against the vertical cuts adjacent to the traveled way."

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In the Special Provisions, Section 10-1.01, "ORDER OF WORK," the following paragraph is added after the last paragraph:

"Construction of the planned single thrie beam barrier (wood post) located between station 151+98 and 200+29 shall be completed before commencing any other construction activities between station 151+98 and 200+29. Nonconflicting work from station 19+62 to 151+98 may proceed prior to, or concurrently with, the construction of the thrie beam barrier."

In the Special Provisions, Section 10-1.07, "COOPERATION," the following is added at the end of the second paragraph:

"(Contract No. 06-349304) to do irrigation and planting upgrade in the city of Fresno on Route 99 from Kern Street Overcrossing to 0.4 km north of Olive Avenue Overcrossing (KP 32.9 to KP 37.8)."

In the Special Provisions, Section 10-1.09, "OVERHEAD," is deleted.

In the Special Provisions, Section 10-1.13, "MAINTAINING TRAFFIC," Lane Closure Charts 1, 2, 3 and 4 are revised as attached.

In the Special Provisions, Section 10-3.17, "PAYMENT," the attached Weigh in Motion charts and forms are added after the last paragraph.

In the Proposal and Contract, the Engineer's Estimate Item 3 is deleted as attached.

To Proposal and Contract book holders:

Replace page 3 of the Engineer's Estimate in the Proposal with the attached revised page 3 of the Engineer's Estimate. The revised Engineer's Estimate is to be used in the bid.

Indicate receipt of this addendum by filling in the number of this addendum in the space provided on the signature page of the proposal.

Submit bids in the Proposal and Contract book you now possess. Holders who have already mailed their book will be contacted to arrange for the return of their book.

Inform subcontractors and suppliers as necessary.

This office is sending this addendum by UPS overnight mail to Proposal and Contract book holders to ensure that each receives it.

If you are not a Proposal and Contract book holder, but request a book to bid on this project, you must comply with the requirements of this letter before submitting your bid.

Sincerely,

ORIGINAL SIGNED BY

REBECCA D. HARNAGEL, Chief
Plans, Specifications & Estimates Branch
Office of Office Engineer

Attachments

Chart No. 1
Multilane Lane Requirements

Location: Rte 99 Northbound From Junction Rte 180, Ventura St. (PM 20.2) to Biola Junction (PM 27.3)

	a.m.												p.m.												
FROM HOUR TO HOUR	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
Mondays through Thursdays	1	1	1	1	1	1	2												2	1	1	1	1	1	
Fridays	1	1	1	1	1	1	2														2	1	1	1	
Saturdays	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	
Sundays	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	
Day before and day after designated legal holiday																									
Designated legal holidays																									

Legend:

1	One lane open in direction of travel
2	Two adjacent lanes open in direction of travel
	No lane closure allowed

REMARKS: Permitted maximum length of each lane closure segment should not exceed 3.0 km.
No more than one closure shall be allowed within any 8.0 km segment per direction of travel.

Chart No. 2
Multilane Lane Requirements

Location:Rte-99 Southbound From Junction Rte 180, Ventura St. (PM 20.2) to Biola Junction (PM 27.3)

	a.m.												p.m.											
FROM HOUR TO HOUR	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
Mondays through Thursdays	1	1	1	1	1	2													2	1	1	1	1	1	
Fridays	1	1	1	1	1	2															2	1	1	1	
Saturdays	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	
Sundays	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	
Day before and day after designated legal holiday																									
Designated legal holidays																									

Legend:

1	One lane open in direction of travel
2	Two adjacent lanes open in direction of travel
	No lane closure allowed

REMARKS: Permitted maximum length of each lane closure segment should not exceed 3.0 km.
No more than one closure shall be allowed within any 8.0 km segment per direction of travel.

Chart No. 3
Multilane Lane Requirements

Location:Rte-99 Northbound From Biola Jct (PM 27.3) to Fresno/Madera county line.

	a.m.												p.m.											
FROM HOUR TO HOUR	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
Mondays through Thursdays	1	1	1	1	1	1														1	1	1	1	1	
Fridays	1	1	1	1	1	1																1	1	1	
Saturdays	1	1	1	1	1	1	1	1	1	1	1	1								1	1	1	1	1	
Sundays	1	1	1	1	1	1	1	1	1	1	1	1								1	1	1	1	1	
Day before and day after designated legal holiday																									
Designated legal holidays																									

Legend:

1 One lane open in direction of travel

No lane closure allowed

REMARKS: Permitted maximum length of each lane closure segment should not exceed 3.0 km.
No more than one closure shall be allowed within any 8.0 km segment per direction of travel.

Chart No. 4
Multilane Lane Requirements

Location: Rte-99 Southbound From Biola Jct (PM 27.3) to Fresno/Madera county line.

	a.m.												p.m.											
FROM HOUR TO HOUR	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
Mondays through Thursdays	1	1	1	1	1	1														1	1	1	1	1	
Fridays	1	1	1	1	1	1																	1	1	
Saturdays	1	1	1	1	1	1	1	1	1	1	1	1								1	1	1	1	1	
Sundays	1	1	1	1	1	1	1	1	1	1	1	1								1	1	1	1	1	
Day before and day after designated legal holiday																									
Designated legal holidays																									

Legend:

1 One lane open in direction of travel

No lane closure allowed

REMARKS: Permitted maximum length of each lane closure segment should not exceed 3.0 km.
No more than one closure shall be allowed within any 8.0 km segment per direction of travel.

ASCII SPEED FILE FORMAT

FIELD	LENGTH	STARTS IN COLUMN
Lane	2	1
Hour	2	4
Count, 0-35 MPH	4	7
Count, 36-40 MPH	4	12
Count, 41-45 MPH	4	17
Count, 46-50 MPH	4	22
Count, 51-55 MPH	4	27
Count, 56-60 MPH	4	32
Count, 61-65 MPH	4	37
Count, 66-70 MPH	4	42
Count, 71-75 MPH	4	47
Count, 76-80 MPH	4	52
Count, 81-85 MPH	4	57
Count, > 86 MPH	4	62

ASCII CLASSIFICATION FILE FORMAT

FIELD	LENGTH	STARTS IN COLUMN
Lane	2	1
Hour	2	4
Count, Class 1	4	7
Count, Class 2	4	12
Count, Class 3	4	17
Count, Class 4	4	22
Count, Class 5	4	27
Count, Class 6	4	32
Count, Class 7	4	37
Count, Class 8	4	42
Count, Class 9	4	47
Count, Class 10	4	52
Count, Class 11	4	57
Count, Class 12	4	62
Count, Class 13	4	67
Count, Class 14	4	72
Count, Class 15	4	77

For the above two files:

Each field shall be comma delimited.

For each day's file there is one record for each lane for each hourly period.

ASCII TRUCK RECORD FILE FORMAT

FIELD	LENGTH	DECIMAL PLACES	STARTS IN COLUMN
LANE	1		1
MONTH	2		3
DAY	2		6
YEAR	2		9
HOUR	2		12
MINUTE	2		15
SECOND	2		18
VEHICLE NO.	5		21
CLASS	2		27
GROSS WEIGHT	6	1	30
LENGTH	6	1	37
SPEED	5	1	44
VIOLATION CODE	3		50
AXLE 1 RT. WEIGHT	4	1	54
AXLE 1 LT. WEIGHT	4	1	59
AXLE 2 RT. WEIGHT	4	1	64
AXLE 2 LT. WEIGHT	4	1	69
AXLE 1-2 SPACING	4	1	74
AXLE 3 RT. WEIGHT	4	1	79
AXLE 3 LT. WEIGHT	4	1	84
AXLE 2-3 SPACING	4	1	89
AXLE 4 RT. WEIGHT	4	1	94
AXLE 4 LT. WEIGHT	4	1	99
AXLE 3-4 SPACING	4	1	104
AXLE 5 RT. WEIGHT	4	1	109
AXLE 5 LT. WEIGHT	4	1	114
AXLE 4-5 SPACING	4	1	119
AXLE 6 RT. WEIGHT	4	1	124
AXLE 6 LT. WEIGHT	4	1	129
AXLE 5-6 SPACING	4	1	134
AXLE 7 RT. WEIGHT	4	1	139
AXLE 7 LT. WEIGHT	4	1	144
AXLE 6-7 SPACING	4	1	149
AXLE 8 RT. WEIGHT	4	1	154
AXLE 8 LT. WEIGHT	4	1	159
AXLE 7-8 SPACING	4	1	164
AXLE 9 RT. WEIGHT	4	1	169
AXLE 9 LT. WEIGHT	4	1	174
AXLE 8-9 SPACING	4	1	179
VENDOR SPECIFIC OPTIONAL FIELDS			184

This file shall include every "truck record" contained in the daily data file. Each field shall be comma delimited and padded with blanks to complete the fixed logical record length.

For axle weight only weighing (in lieu of right and left wheel weighing), either the "AXLE n RT. WEIGHT" or the "AXLE n LT. WEIGHT" field may be used for the "AXLE n WEIGHT".

WEIGHT VIOLATION TABLE

(All weights in pounds)

AXLE WEIGHT	
Axle No. 1	12500
All other axles	20000
TANDEM AXLE WEIGHT	
Two consecutive axles with an axle spacing not exceeding 8.4 feet	34000
GROSS VEHICLE WEIGHT	
All vehicles	80000
BRIDGE WEIGHT	

See following page

BRIDGE WEIGHT

Distance in nearest whole foot between the extremes of any group of 2 or more consecutive axles	2 axles	3 axles	4 axles	5 axles	6 axles	7 axles	8 axles	9 axles
<8	34,000	34,000	34,000	34,000	34,000	———	———	———
8	34,000	34,000	34,000	34,000	34,000	———	———	———
9	39,000	42,500	42,500	42,500	42,500	———	———	———
10	40,000	43,500	43,500	43,500	43,500	———	———	———
11	40,000	44,000	44,000	44,000	44,000	———	———	———
12	40,000	45,000	50,000	50,000	50,000	———	———	———
13	40,000	45,500	50,500	50,500	50,500	———	———	———
14	40,000	46,500	51,500	51,500	51,500	———	———	———
15	40,000	47,000	52,000	52,000	52,000	———	———	———
16	40,000	48,000	52,500	52,500	52,500	———	———	———
17	40,000	48,500	53,500	53,500	53,500	———	———	———
18	40,000	49,500	54,000	54,000	54,000	———	———	———
19	40,000	50,000	54,500	54,500	54,500	———	———	———
20	40,000	51,000	55,500	55,500	55,500	———	———	———
21	40,000	51,500	56,000	56,000	56,000	———	———	———
22	40,000	52,500	56,500	56,500	56,500	———	———	———
23	40,000	53,000	57,500	57,500	57,500	———	———	———
24	40,000	54,000	58,000	58,000	58,000	74,000	———	———
25	40,000	54,500	58,500	58,500	58,500	74,500	80,000	———
26	40,000	55,500	59,500	59,500	59,500	75,000	80,000	———
27	40,000	56,000	60,000	60,000	60,000	76,000	80,000	80,000
28	40,000	57,000	60,500	60,500	60,500	76,500	80,000	80,000
29	40,000	57,500	61,500	61,500	61,500	77,000	80,000	80,000
30	40,000	58,500	62,000	62,000	62,000	77,500	80,000	80,000
31	40,000	59,000	62,500	62,500	62,500	78,000	80,000	80,000
32	40,000	60,000	63,500	63,500	63,500	78,500	80,000	80,000
33	40,000	60,000	64,000	64,000	64,000	79,500	80,000	80,000
34	40,000	60,000	64,500	64,500	64,500	80,000	80,000	80,000
35	40,000	60,000	65,500	65,500	65,500	80,000	80,000	80,000
36	40,000	60,000	68,000	66,000	66,000	80,000	80,000	80,000
37	40,000	60,000	68,000	66,500	66,500	80,000	80,000	80,000
38	40,000	60,000	68,000	67,500	67,500	80,000	80,000	80,000
39	40,000	60,000	68,000	68,000	68,000	80,000	80,000	80,000
40	40,000	60,000	68,500	70,000	70,000	80,000	80,000	80,000
41	40,000	60,000	69,500	72,000	72,000	80,000	80,000	80,000
42	40,000	60,000	70,000	73,280	73,280	80,000	80,000	80,000
43	40,000	60,000	70,500	73,280	73,280	80,000	80,000	80,000
44	40,000	60,000	71,500	73,280	73,280	80,000	80,000	80,000
45	40,000	60,000	72,000	76,000	80,000	80,000	80,000	80,000
46	40,000	60,000	72,500	76,500	80,000	80,000	80,000	80,000
47	40,000	60,000	73,500	77,500	80,000	80,000	80,000	80,000
48	40,000	60,000	74,000	78,000	80,000	80,000	80,000	80,000
49	40,000	60,000	74,500	78,500	80,000	80,000	80,000	80,000
50	40,000	60,000	75,500	79,000	80,000	80,000	80,000	80,000
51	40,000	60,000	76,000	80,000	80,000	80,000	80,000	80,000
52	40,000	60,000	76,500	80,000	80,000	80,000	80,000	80,000
53	40,000	60,000	77,500	80,000	80,000	80,000	80,000	80,000
54	40,000	60,000	78,000	80,000	80,000	80,000	80,000	80,000
55	40,000	60,000	78,500	80,000	80,000	80,000	80,000	80,000
56	40,000	60,000	79,500	80,000	80,000	80,000	80,000	80,000
57	40,000	60,000	80,000	80,000	80,000	80,000	80,000	80,000
58	40,000	60,000	80,000	80,000	80,000	80,000	80,000	80,000
>58	40,000	60,000	80,000	80,000	80,000	80,000	80,000	80,000

REAL TIME VIEW

Vehicle No.:_____ Class:_____ Lane: _____ Speed: _____

Time: _____ Date: _____ Vehicle Length: _____

Invalid Measurements Code: _____ Weight Violation(s): _____

		AXLE NO.								
	TOTALS	1	2	3	4	5	6	7	8	9
Axle Weight (kip)	76.1	10.9	15.0	16.2	17.2	16.8				
Axle Space (feet)	56.9	11.8	4.5	36.4	4.2					

Note: Entries following Axle Weight and Axle Space are for example purposes only.

TRUCK RECORD BATCH PRINT

Site Designation: _____ Lane: _____ Time: _____ Date: _____ Speed: _____

Vehicle No. ____ Class: _____ Invalid Code: _____ Veh. Wheelbase: _____ Veh. Length _____

Gross Wt. (kip): _____ Weight Violation(s): _____

Axle No.	1	2	3	4	5	6	7	8	9
Rt. Wheel Wt. (kips)	5.4	7.3	8.0	8.5	8.3				
Lt. Wheel Wt. (kips)	5.5	7.7	8.2	8.7	8.5				
Axle Wt. (kips)	10.9	15.0	16.2	17.2	16.8				
Axle Space (feet)	11.8	4.5	36.4	4.2					

Note: Entries following Axle Wt. and Axle Space are for example purposes only.

DISTRIBUTION OF CLASS AND SPEED COUNTS BY LANE*

SITE DESIGNATION:
DATE:

LANE NUMBER <number of lanes varies with contract requirements>

	1		2		3		4		5		6		ALL LANES	
	COUNT	%	COUNT	%	COUNT	%	COUNT	%	COUNT	%	COUNT	%	COUNT	%
CLASS														
1	0	0.0	0	0.0					0	0.0	6	0.0	6	0.0
2	22521	82.4	24464	82.7					28540	90.6	23974	87.6	99499	85.9
3	2687	9.8	2395	8.1					2324	7.4	1919	7.0	9325	8.1
4	14	0.1	21	0.1					16	0.1	13	0.0	64	0.1
5	1152	4.2	1297	4.4					486	1.5	56	0.2	2991	2.6
6	82	0.3	101	0.3					9	0.0	917	3.3	1109	1.0
7	1	0.0	3	0.0					0	0.0	24	0.1	23	0.0
8	280	1.0	402	1.4					3	0.0	32	0.1	717	0.6
9	340	1.2	544	1.8					4	0.0	0	0.0	888	0.8
10	10	0.0	1	0.0					0	0.0	1	0.0	4	0.0
11	84	0.3	104	0.4					0	0.0	0	0.0	188	0.2
12	3	0.0	5	0.0					0	0.0	0	0.0	8	0.0
13	1	0.0	0	0.0					0	0.0	0	0.0	1	0.0
14	28	0.1	46	0.2					0	0.0	0	0.0	74	0.1
15	142	0.5	206	0.7					127	0.4	434	1.6	909	0.8
TOTAL	27337	100.0	29589	100.0					31509	100.0	27376	100.0	115811	100.0
SPEED (MPH)														
1-5	2	0.0	6	0.0					2	0.0	4	0.0	14	0.0
6-10	0	0.0	0	0.0					4	0.0	10	0.0	14	0.0
11-15	10	0.0	5	0.0					32	0.1	28	0.1	75	0.1
16-20	48	0.2	33	0.1					75	0.2	88	0.3	244	0.2
21-25	271	1.0	280	0.9					269	0.9	179	0.7	999	0.9
26-30	641	2.3	615	2.1					480	1.5	349	1.3	2085	1.8
31-35	1047	3.8	838	2.8					731	2.3	606	2.2	3222	2.8
36-40	1165	4.3	1073	3.6					1077	3.4	891	3.3	4206	3.6
41-45	1645	6.0	913	3.1					927	2.9	997	3.6	4482	3.9
46-50	5140	18.8	2063	7.0					1027	3.3	89	3.3	9123	7.9
51-55	9487	34.7	5641	19.1					2508	8.0	1147	4.2	18783	16.2
56-60	5613	20.5	13537	45.8					14134	44.9	3243	11.8	36527	31.5
61-65	1872	6.8	3284	11.1					7211	22.9	9701	35.4	22068	19.1
66-70	277	1.0	1170	4.0					2749	8.7	6614	24.2	10810	9.3
71-75	79	0.3	90	0.3					234	0.7	2240	8.2	2643	2.3
76-80	24	0.1	34	0.1					45	0.1	327	1.2	430	0.4
81-85	13	0.0	7	0.0					4	0.0	51	0.2	75	0.1
86-90	3	0.0	0	0.0					0	0.0	8	0.0	11	0.0
91-95	0	0.0	0	0.0					0	0.0	0	0.0	0	0.0
96-100	0	0.0	0	0.0					0	0.0	0	0.0	0	0.0
>100	0	0.0	0	0.0					0	0.0	0	0.0	0	0.0
TOTAL	27337	100.0	29589	100.0					31509	100.0	27376	100.0	115811	100.0
AVG. SPEED	51		55						57		61		56	

*** COUNT entries for example only**

CONTRACT NO. 06-393304
ADDED PER ADDENDUM NO. 1 DATED APRIL 13, 2001

DISTRIBUTION OF VEHICLE COUNTS BY HOUR OF DAY BY LANE

SITE DESIGNATION:
DATE:

HOURLY SUMMARY	LANE NUMBER <number varies with contract requirements>						
HOUR	1	2	3	4	5	6	HOURLY TOTALS
00-01							
01-02							
02-03							
03-04							
04-05							
05-06							
QTR TOTALS							
06-07							
07-08							
08-09							
09-10							
10-11							
11-12							
QTR TOTALS							
12-13							
13-14							
14-15							
15-16							
16-17							
17-18							
QTR TOTALS							
18-19							
19-20							
20-21							
21-22							
22-23							
23-24							
QTR TOTALS							

DAILY SUMMARY	DAILY COUNTS BY LANE						
	1	2	3	4	5	6	DAILY TOTALS

DISTRIBUTION OF VEHICLE CLASSIFICATIONS BY HOUR OF DAY

SITE DESIGNATION: LANE NO's <display user's entry as to selected lane(s)>
DATE:

HOURLY SUMMARY VEHICLE COUNTS

HOUR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	HOURLY TOTALS
00-01																
01-02																
02-03																
03-04																
04-05																
05-06	__	__	__	__	__	__	__	__	__	__	__	__	__	__	__	_____
QTR TOTALS																
06-07																
07-08																
08-09																
09-10																
10-11																
11-12	__	__	__	__	__	__	__	__	__	__	__	__	__	__	__	_____
QTR TOTALS																
12-13																
13-14																
14-15																
15-16																
16-17																
17-18	__	__	__	__	__	__	__	__	__	__	__	__	__	__	__	_____
QTR TOTALS																
18-19																
19-20																
20-21																
21-22																
22-23																
23-24	__	__	__	__	__	__	__	__	__	__	__	__	__	__	__	_____
QTR TOTALS																

DAILY SUMMARY VEHICLE COUNTS

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	TOTAL VEHICLES
COUNT																
PERCENT																

DISTRIBUTION OF VEHICLE CLASSIFICATIONS BY DAY OF MONTH

SITE DESIGNATION: LANE NO's <display user's entry as to selected lane(s)>
DATE: 01/92

VEHICLE COUNTS

DAILY SUMMARY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	TOTALS
1 WED																
2 THU																
3 FRI																
4 SAT	__	__	__	__	__	__	__	__	__	__	__	__	__	__	__	_____
DAILY AVG																
5 SUN																
6 MON																
7 TUE																
8 WED																
9 THU																
10 FRI																
11 SAT	__	__	__	__	__	__	__	__	__	__	__	__	__	__	__	_____
DAILY AVG																
12 SUN																
13 MON																
14 TUE																
15 WED																
16 THU																
17 FRI																
18 SAT	__	__	__	__	__	__	__	__	__	__	__	__	__	__	__	_____
DAILY AVG																
19 SUN																
20 MON																
21 TUE																
22 WED																
23 THU																
24 FRI																
25 SAT	__	__	__	__	__	__	__	__	__	__	__	__	__	__	__	_____
DAILY AVG																
26 SUN																
27 MON																
28 TUE																
29 WED																
30 THU																
31 FRI	__	__	__	__	__	__	__	__	__	__	__	__	__	__	__	_____
DAILY AVG																

VEHICLE COUNTS

MONTHLY SUMMARY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	TOTALS
TOTALS																
PERCENT																
DAILY AVG																

DISTRIBUTION OF VEHICLES BY SPEED BY HOUR

SITE DESIGNATION LANE NO's <display user's entry as to selected lane(s)>
DATE:

SPEED RANGE, MPH

HOUR RANGE	00-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	> 80
00- 01												
01- 02												
02- 03												
03- 04												
04- 05												
05- 06	____	____	____	____	____	____	____	____	____	____	____	____
QTR TOTALS												
06- 07												
07- 08												
08- 09												
09- 10												
10- 11												
11- 12	____	____	____	____	____	____	____	____	____	____	____	____
QTR TOTALS												
12- 13												
13- 14												
14- 15												
15- 16												
16- 17												
17- 18	____	____	____	____	____	____	____	____	____	____	____	____
QTR TOTALS												
18- 19												
19- 20												
20- 21												
21- 22												
22- 23												
23- 24	____	____	____	____	____	____	____	____	____	____	____	____
QTR TOTALS												

DAILY SPEED SUMMARY

Total Vehicles :	Total Vehicles > 55 MPH :	Percentage Vehicles > 55 MPH :
Average Speed :	Total Vehicles > 60 MPH :	Percentage Vehicles > 60 MPH :
Median Speed :	Total Vehicles > 65 MPH :	Percentage Vehicles > 65 MPH :
85th Percentile :	Total Vehicles > 70 MPH :	Percentage Vehicles > 70 MPH :

DISTRIBUTION OF TRUCK RECORD DATA BY LANE * <report to cover all records contained in truck records file>

SITE DESIGNATION:
DATE:

LANE NUMBER <number of lanes varies with contract requirements>

	1		2		3		4		5		6		ALL LANES	
	COUNT	%	COUNT	%	COUNT	%	COUNT	%	COUNT	%	COUNT	%	COUNT	%
CLASS														
1	0	0.0	0	0.0					0	0.0	6	0.0	6	0.0
2	0	0	0	0.0					0	0.0	0	0.0	0	
3	152	3.7	342	14.7					87	4.0	74	1.9	655	5.2
4	18	0.4	13	0.6					3	0.1	5	0.1	39	0.3
5	560	13.6	354	15.2					306	14.2	574	14.7	1794	14.3
6	129	3.1	67	2.9					66	3.1	104	2.7	366	2.9
7	3	0.1	0	0.0					0	0.0	27	0.7	30	0.2
8	350	8.5	134	8.8					278	12.9	357	9.1	1119	8.9
9	1775	43.1	918	39.4					961	44.4	1698	43.5	5352	42.7
10	3	0.1	1	0.0					4	0.2	4	0.1	12	0.1
11	783	19.0	332	14.2					302	14.0	754	19.3	2171	17.3
12	56	1.4	30	1.3					32	1.5	68	1.7	186	1.5
13	5	0.1	2	0.1					0	0.0	7	0.2	14	0.1
14	122	3.0	34	1.5					37	1.7	104	2.7	297	2.4
15	158	3.8	66	2.8					78	3.6	128	3.3	430	3.4
TOTAL	4121	100.0	2330	100.0					2161	100.0	3907	100.0	12520	100.0

*** COUNT entries for example only**

LANE NUMBER

	1		2		3		4		5		6		ALL LANES	
STATUS	COUNT	%	COUNT	%	COUNT	%	COUNT	%	COUNT	%	COUNT	%	COUNT	%
LEGAL	3353	81.4	1866	80.1					1976	91.4	3076	78.7	10271	82.0
OVR'WT	662	16.0	384	16.5					127	5.9	715	18.3	2249	18.0
INVALID	106	2.6	80	3.4					59	2.7	116	3.0	361	2.9
TOTAL	4121	100.0	2330	100.0					2162	100.0	3907	100.0	12520	100.0

Note:
The line items under "STATUS" are to be based upon the Contractor's coding scheme for weight violation and invalid measurements. If the coding system identifies invalid measurements other than imbalance (such as "out-of-range" values, system errors, etc.), each unique type of invalid measurement should be broken down as a "STATUS" line item.

DISTRIBUTION OF WEIGHT VIOLATIONS AND INVALID MEASUREMENTS FOR VEHICLE CLASSIFICATIONS 4 THROUGH 15

SITE DESIGNATION: LANE NO's <display user's entry as to selected lane(s)>
DATE:

CLASS	TOTAL VEHICLES COUNTED	VEHICLES WITH INVALID MEASUREMENTS	TOTAL VEHICLES WEIGHED	TOTAL VEHICLES OVERWT.	PERCENT VEHICLES OVERWT.	****NUMBER OF***** ***WEIGHT VIOLATIONS*** AXLE	TANDEM	GROSS	BRIDGE
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
TOTALS									

PERCENT VEHICLES NOT CLASSIFIED (CLASS 15): _____

PERCENT VEHICLES WITH INVALID MEASUREMENTS: _____

Notes:

"Percent Vehicles Not Classified" = Class 15 Total Vehicle Count / Total Vehicles Counted.
"Percent Vehicles With Invalid Measurements" = Total Vehicles With Invalid Measurements / Total Vehicles Counted.
"Vehicles Counted" - "Vehicles With Invalid Measurements" = "Vehicles Weighed"

All weight and weight violation reporting and calculations based on data for "weighed vehicles"

DISTRIBUTION OF WEIGHT VIOLATIONS BY HOUR OF DAY FOR VEHICLE CLASSIFICATIONS 4 THROUGH 14

SITE DESIGNATION: LANE NO's <display user's entry as to selected lane(s)>
DATE:

HOURLY SUMMARY

HOUR	TOTAL VEHICLES WEIGHED	TOTAL VEHICLES OVERWEIGHT	PERCENT VEHICLES OVERWEIGHT	**********NUMBER OF********** **********WEIGHT VIOLATIONS********** AXLE	TANDEM	GROSS	BRIDGE
00-01							
01-02							
02-03							
03-04							
04-05							
05-06	_____	_____	_____	_____	_____	_____	_____
QTR TOTALS							
06-07							
07-08							
08-09							
09-10							
10-11							
11-12	_____	_____	_____	_____	_____	_____	_____
QTR TOTALS							
12-13							
13-14							
14-15							
15-16							
16-17							
17-18	_____	_____	_____	_____	_____	_____	_____
QTR TOTALS							
18-19							
19-20							
20-21							
21-22							
22-23							
23-24	_____	_____	_____	_____	_____	_____	_____
QTR TOTALS							

DAILY SUMMARY

TOTAL VEHICLES WEIGHED	TOTAL VEHICLES OVERWEIGHT	PERCENT VEHICLES OVERWEIGHT	**********NUMBER OF********** **********WEIGHT VIOLATIONS********** AXLE	TANDEM	GROSS	BRIDGE

CONTRACT NO. 06-393304
ADDED PER ADDENDUM NO. 1 DATED APRIL 13, 2001

DISTRIBUTION OF OVERWEIGHT VEHICLES BY HOUR OF DAY FOR VEHICLE CLASSIFICATIONS 4 THROUGH 14

SITE DESIGNATION: LANE NO's <display user's entry as to selected lane(s)>
DATE: 01/92

HOURLY SUMMARY — NUMBER OVERWEIGHT VEHICLES

HOUR	TOTAL VEH'S WEIGHED	TOTAL VEH'S OVERWT	PERCENT VEH'S OVERWT	4	5	6	7	8	9	10	11	12	13	14
00-01														
01-02														
02-03														
03-04														
04-05														
05-06	_____	_____	_____	__	__	__	__	__	__	__	__	__	__	__
QTR TOTALS														
06-07														
07-08														
08-09														
09-10														
10-11														
11-12	_____	_____	_____	__	__	__	__	__	__	__	__	__	__	__
QTR TOTALS														
12-13														
13-14														
14-15														
15-16														
16-17														
17-18	_____	_____	_____	__	__	__	__	__	__	__	__	__	__	__
QTR TOTALS														
18-19														
19-20														
20-21														
21-22														
22-23														
23-24	_____	_____	_____	__	__	__	__	__	__	__	__	__	__	__
QTR TOTALS														

DAILY SUMMARY — NUMBER OVERWEIGHT VEHICLES

TOTAL VEH'S WEIGHED	TOTAL VEH'S OVERWT	PERCENT VEH'S OVERWT	4	5	6	7	8	9	10	11	12	13	14

DISTRIBUTION OF GROSS WEIGHTS FOR VEHICLE CLASSIFICATIONS 4 THROUGH 14

SITE DESIGNATION: LANE NO's <display user's entry as to selected lane(s)>
DATE:

	VEHICLE COUNTS											
GROSS WT KIPS	4	5	6	7	8	9	10	11	12	13	14	TOTALS
0-5												
5-10												
10-15												
15-20												
20-25												
25-30												
30-35												
35-40												
40-45												
45-50												
50-55												
55-60												
60-65												
65-70												
70-75												
75-80												
80-85												
85-90												
90-95												
95-100												
100-105												
105-110												
110-115												
115-120												
>120												
TOTALS	___	___	___	___	___	___	___	___	___	___	___	_____

DISTRIBUTION OF 18 KIP ESALS BY HOUR OF DAY FOR VEHICLE CLASSIFICATIONS 4 THROUGH 14
FOR _____ <display user's entries as to pavement type and str. no. or slab thickness>

SITE DESIGNATION: LANE NO's <display user's entry as to selected lane(s)>
DATE: VEH STATUS <display user's entry as to "LEGAL ONLY", "OVWT ONLY" or "ALL" (default)

HOURLY SUMMARY

			ESALS BY HOUR BY CLASS										
HOUR	TOTAL VEH'S WEIGHED	TOTAL ESALS	4	5	6	7	8	9	10	11	12	13	14
00-01													
01-02													
02-03													
03-04													
04-05													
05-06	_____	_____	__	__	__	__	__	__	__	__	__	__	__
QTR TOTALS													
06-07													
07-08													
08-09													
09-10													
10-11													
11-12	_____	_____	__	__	__	__	__	__	__	__	__	__	__
QTR TOTALS													
12-13													
13-14													
14-15													
15-16													
16-17													
17-18	_____	_____	__	__	__	__	__	__	__	__	__	__	__
QTR TOTALS													
18-19													
19-20													
20-21													
21-22													
22-23													
23-24	_____	_____	__	__	__	__	__	__	__	__	__	__	__
QTR TOTALS													

DAILY SUMMARY

	TOTALS	4	5	6	7	8	9	10	11	12	13	14
VEH'S WEIGHED:												
18 KIP ESALS:												
AVERAGE ESAL:												

DISTRIBUTION OF TRUCKS BY DAY OF MONTH FOR CLASSIFICATIONS 4 THROUGH 15

SITE DESIGNATION: LANE NO's <display user's entry as to selected lane(s)>
DATE: 01/92

DAILY SUMMARY

DAY	TOTAL VEHS CNTD	TOTAL VEHS WGHD	TOTAL VEHS OVWT	PCT VEHS OVWT	COUNTED VEHICLES 4	5	6	7	8	9	10	11	12	13	14	15
01 WED																
02 THU																
03 FRI																
04 SAT																
05 SUN																
06 MON																
07 TUE																
08 WED																
09 THU																
10 FRI																
11 SAT																
12 SUN																
13 MON																
14 TUE																
15 WED																
16 THU																
17 FRI																
18 SAT																
19 SUN																
20 MON																
21 TUE																
22 WED																
23 THU																
24 FRI																
25 SAT																
26 SUN																
27 MON																
28 TUE																
29 WED																
30 THU																
31 FRI																

MONTHLY SUMMARY

	TOTAL VEHS CNTD	TOTAL VEHS WGHD	TOTAL VEHS OVWT	PCT VEHS OVWT	COUNTED VEHICLES 4	5	6	7	8	9	10	11	12	13	14	15
TOTALS																
PERCENT																

Table D.4. Axle load equivalency factors for flexible pavements, single axles and p 2.5

Axle Load (kips)	Pavement Structural Number (SN)					
	1	2	3	4	5	6
2	.0004	.0004	.0003	.0002	.0002	.0002
4	.003	.004	.004	.003	.002	.002
6	.011	.017	.017	.013	.010	.009
8	.032	.047	.051	.041	.034	.031
10	.078	.102	.118	.102	.088	.080
12	.168	.198	.229	.213	.189	.176
14	.328	.358	.399	.388	.360	.342
16	.591	.613	.646	.645	.623	.606
18	1.00	1.00	1.00	1.00	1.00	1.00
20	1.61	1.57	1.49	1.47	1.51	1.55
22	2.48	2.38	2.17	2.09	2.18	2.30
24	3.69	3.49	3.09	2.89	3.03	3.27
26	5.33	4.99	4.31	3.91	4.09	4.48
28	7.49	6.98	5.90	5.21	5.39	5.98
30	10.3	9.50	7.90	6.80	7.00	7.80
32	13.9	12.8	10.5	8.80	8.90	10.0
34	18.4	16.9	13.7	11.3	11.2	12.5
36	24.0	22.0	17.7	14.4	13.9	15.5
38	30.9	28.3	22.6	18.1	17.2	19.0
40	39.3	35.9	28.5	22.5	21.1	23.0
42	49.3	45.0	35.6	27.8	25.6	27.7
44	61.3	55.9	44.0	34.0	31.0	33.1
46	75.5	68.8	54.0	41.4	37.2	39.3
48	92.2	83.9	65.7	50.1	44.5	46.5
50	112.	102.	79.	60.	53.	55.

Table D.5. Axle load equivalency factors for flexible pavements, tandem axles and p 2.5

Axle Load (kips)	Pavement Structural Number (SN)					
	1	2	3	4	5	6
2	.0001	.0001	.0001	.0000	.0000	.0000
4	.0005	.0005	.0004	.0003	.0003	.0002
6	.002	.002	.002	.001	.001	.001
8	.004	.006	.005	.004	.003	.003
10	.008	.013	.011	.009	.007	.006
12	.015	.024	.023	.018	.014	.013
14	.026	.041	.042	.033	.027	.024
16	.044	.065	.070	.057	.047	.043
18	.070	.097	.109	.092	.077	.070
20	.107	.141	.162	.141	.121	.110
22	.160	.198	.229	.207	.180	.166
24	.231	.273	.315	.292	.260	.242
26	.327	.370	.420	.401	.364	.342
28	.451	.493	.548	.534	.495	.470
30	.611	.648	.703	.695	.658	.633
32	.813	.843	.889	.887	.857	.834
34	1.06	1.08	1.11	1.11	1.09	1.08
36	1.38	1.38	1.38	1.38	1.38	1.38
38	1.75	1.73	1.69	1.68	1.70	1.73
40	2.21	2.16	2.06	2.03	2.08	2.14
42	2.76	2.67	2.49	2.43	2.51	2.61
44	3.41	3.27	2.99	2.88	3.00	3.16
46	4.18	3.98	3.58	3.40	3.55	3.79
48	5.08	4.80	4.25	3.98	4.17	4.49
50	6.12	5.76	5.03	4.64	4.86	5.28
52	7.33	6.87	5.93	5.38	5.63	6.17
54	8.72	8.14	6.95	6.22	6.47	7.15
56	10.3	9.6	8.1	7.2	7.4	8.2
58	12.1	11.3	9.4	8.2	8.4	9.4
60	14.2	13.1	10.9	9.4	9.6	10.7
62	16.5	15.3	12.6	10.7	10.8	12.1
64	19.1	17.6	14.5	12.2	12.2	13.7
66	22.1	20.3	16.6	13.8	13.7	15.4
68	25.3	23.3	18.9	15.6	15.4	17.2
70	29.0	26.6	21.5	17.6	17.2	19.2
72	33.0	30.3	24.4	19.8	19.2	21.3
74	37.5	34.4	27.6	22.2	21.3	23.6
76	42.5	38.9	31.1	24.8	23.7	26.1
78	48.0	43.9	35.0	27.8	26.2	28.8
80	54.0	49.4	39.2	30.9	29.0	31.7
82	60.6	55.4	43.9	34.4	32.0	34.8
84	67.8	61.9	49.0	38.2	35.3	38.1
86	75.7	69.1	54.5	42.3	38.8	41.7
88	84.3	76.9	60.6	46.8	42.6	45.6
90	93.7	85.4	67.1	51.7	46.8	49.7

Table D.6. Axle load equivalency factors for flexible pavements, triple axles and p 2.5

Axle Load (kips)	Pavement Structural Number (SN)					
	1	2	3	4	5	6
2	.0000	.0000	.0000	.0000	.0000	.0000
4	.0002	.0002	.0002	.0001	.0001	.0001
6	.0006	.0007	.0005	.0004	.0003	.0003
8	.001	.002	.001	.001	.001	.001
10	.003	.004	.003	.002	.002	.002
12	.005	.007	.006	.004	.003	.003
14	.008	.012	.010	.008	.006	.006
16	.012	.019	.018	.013	.011	.010
18	.018	.029	.028	.021	.017	.016
20	.027	.042	.042	.032	.027	.024
22	.038	.058	.060	.048	.040	.036
24	.053	.078	.084	.068	.057	.051
26	.072	.103	.114	.095	.080	.072
28	.098	.133	.151	.128	.109	.099
30	.129	.169	.195	.170	.145	.133
32	.169	.213	.247	.220	.191	.175
34	.219	.266	.308	.281	.246	.228
36	.279	.329	.379	.352	.313	.292
38	.352	.403	.461	.436	.393	.368
40	.439	.491	.554	.533	.487	.459
42	.543	.594	.661	.644	.597	.567
44	.666	.714	.781	.769	.723	.692
46	.811	.854	.918	.911	.868	.838
48	.979	1.015	1.072	1.069	1.033	1.005
50	1.17	1.20	1.24	1.25	1.22	1.20
52	1.40	1.41	1.44	1.44	1.43	1.41
54	1.66	1.66	1.66	1.66	1.66	1.66
56	1.95	1.93	1.90	1.90	1.91	1.93
58	2.29	2.25	2.17	2.16	2.20	2.24
60	2.67	2.60	2.48	2.44	2.51	2.58
62	3.09	3.00	2.82	2.76	2.85	2.95
64	3.57	3.44	3.19	3.10	3.22	3.36
66	4.11	3.94	3.61	3.47	3.62	3.81
68	4.71	4.49	4.06	3.88	4.05	4.30
70	5.38	5.11	4.57	4.32	4.52	4.84
72	6.12	5.79	5.13	4.80	5.03	5.41
74	6.93	6.54	5.74	5.32	5.57	6.04
76	7.84	7.37	6.41	5.88	6.15	6.71
78	8.83	8.28	7.14	6.49	6.78	7.43
80	9.92	9.28	7.95	7.15	7.45	8.21
82	11.1	10.4	8.8	7.9	8.2	9.0
84	12.4	11.6	9.8	8.6	8.9	9.9
86	13.8	12.9	10.8	9.5	9.8	10.9
88	15.4	14.3	11.9	10.4	10.6	11.9
90	17.1	15.8	13.2	11.3	11.6	12.9

Table D.13. Axle load equivalency factors for rigid pavements, single axles and p of 2.5

Axle Load (kips)	Slab Thickness, D (inches)								
	6	7	8	9	10	11	12	13	14
2	.0002	.0002	.0002	.0002	.0002	.0002	.0002	.0002	.0002
4	.003	.002	.002	.002	.002	.002	.002	.002	.002
6	.012	.011	.010	.010	.010	.010	.010	.010	.010
8	.039	.035	.033	.032	.032	.032	.032	.032	.032
10	.097	.089	.084	.082	.081	.080	.080	.080	.080
12	.203	.189	.181	.176	.175	.174	.174	.173	.173
14	.376	.360	.347	.341	.338	.337	.336	.336	.336
16	.634	.623	.610	.604	.601	.599	.599	.599	.599
18	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
20	1.51	1.52	1.55	1.57	1.58	1.58	1.59	1.59	1.59
22	2.21	2.20	2.28	2.34	2.38	2.40	2.41	2.41	2.41
24	3.16	3.10	3.22	3.36	3.45	3.50	3.53	3.54	3.55
26	4.41	4.26	4.42	4.67	4.85	4.95	5.01	5.04	5.05
28	6.05	5.76	5.92	6.29	6.61	6.81	6.92	6.98	7.01
30	8.16	7.67	7.79	8.28	8.79	9.14	9.35	9.46	9.52
32	10.8	10.1	10.1	10.7	11.4	12.0	12.3	12.6	12.7
34	14.1	13.0	12.9	13.6	14.6	15.4	16.0	16.4	16.5
36	18.2	16.7	16.4	17.1	18.3	19.5	20.4	21.0	21.3
38	23.1	21.1	20.6	21.3	22.7	24.3	25.6	26.4	27.0
40	29.1	26.5	25.7	26.3	27.9	29.9	31.6	32.9	33.7
42	36.2	32.9	31.7	32.2	34.0	36.3	38.7	40.4	41.6
44	44.6	40.4	38.8	39.2	41.0	43.8	46.7	49.1	50.8
46	54.5	49.3	47.1	47.3	49.2	52.3	55.9	59.0	61.4
48	66.1	59.7	56.9	56.8	58.7	62.1	66.3	70.3	73.4
50	79.4	71.7	68.2	67.8	69.6	73.3	78.1	83.0	87.1

Table D.14. Axle load equivalency factors for rigid pavements, tandem axles and p of 2.5

Axle Load (kips)	Slab Thickness, D (inches)								
	6	7	8	9	10	11	12	13	14
2	.0001	.0001	.0001	.0001	.0001	.0001	.0001	.0001	.0001
4	.0006	.0006	.0005	.0005	.0005	.0005	.0005	.0005	.0005
6	.002	.002	.002	.002	.002	.002	.002	.002	.002
8	.007	.006	.006	.005	.005	.005	.005	.005	.005
10	.015	.014	.013	.013	.012	.012	.012	.012	.012
12	.031	.028	.026	.026	.025	.025	.025	.025	.025
14	.057	.052	.049	.048	.047	.047	.047	.047	.047
16	.097	.089	.084	.082	.081	.081	.080	.080	.080
18	.155	.143	.136	.133	.132	.131	.131	.131	.131
20	.234	.220	.211	.206	.204	.203	.203	.203	.203
22	.340	.325	.313	.308	.305	.304	.303	.303	.303
24	.475	.462	.450	.444	.441	.440	.439	.439	.439
26	.644	.637	.627	.622	.620	.619	.618	.618	.618
28	.855	.854	.852	.850	.850	.850	.849	.849	.849
30	1.11	1.12	1.13	1.14	1.14	1.14	1.14	1.14	1.14
32	1.43	1.44	1.47	1.49	1.50	1.51	1.51	1.51	1.51
34	1.82	1.82	1.87	1.92	1.95	1.96	1.97	1.97	1.97
36	2.29	2.27	2.35	2.43	2.48	2.51	2.52	2.52	2.53
38	2.85	2.80	2.91	3.03	3.12	3.16	3.18	3.20	3.20
40	3.52	3.42	3.55	3.74	3.87	3.94	3.98	4.00	4.01
42	4.32	4.16	4.30	4.55	4.74	4.86	4.91	4.95	4.96
44	5.26	5.01	5.16	5.48	5.75	5.92	6.01	6.06	6.09
46	6.36	6.01	6.14	6.53	6.90	7.14	7.28	7.36	7.40
48	7.64	7.16	7.27	7.73	8.21	8.55	8.75	8.86	8.92
50	9.11	8.50	8.55	9.07	9.68	10.14	10.42	10.58	10.66
52	10.8	10.0	10.0	10.6	11.3	11.9	12.3	12.5	12.7
54	12.8	11.8	11.7	12.3	13.2	13.9	14.5	14.8	14.9
56	15.0	13.8	13.6	14.2	15.2	16.2	16.8	17.3	17.5
58	17.5	16.0	15.7	16.3	17.5	18.6	19.5	20.1	20.4
60	20.3	18.5	18.1	18.7	20.0	21.4	22.5	23.2	23.6
62	23.5	21.4	20.8	21.4	22.8	24.4	25.7	26.7	27.3
64	27.0	24.6	23.8	24.4	25.8	27.7	29.3	30.5	31.3
66	31.0	28.1	27.1	27.6	29.2	31.3	33.2	34.7	35.7
68	35.4	32.1	30.9	31.3	32.9	35.2	37.5	39.3	40.5
70	40.3	36.5	35.0	35.3	37.0	39.5	42.1	44.3	45.9
72	45.7	41.4	39.6	39.8	41.5	44.2	47.2	49.8	51.7
74	51.7	46.7	44.6	44.7	46.4	49.3	52.7	55.7	58.0
76	58.3	52.6	50.2	50.1	51.8	54.9	58.6	62.1	64.8
78	65.5	59.1	56.3	56.1	57.7	60.9	65.0	69.0	72.3
80	73.4	66.2	62.9	62.5	64.2	67.5	71.9	76.4	80.2
82	82.0	73.9	70.2	69.6	71.2	74.7	79.4	84.4	88.8
84	91.4	82.4	78.1	77.3	78.9	82.4	87.4	93.0	98.1
86	102.	92.	87.	86.	87.	91.	96.	102.	108.
88	113.	102.	96.0	95.0	96.0	100.	105.	112.	119.
90	125.	112.	106.	105.	106.	110.	115.	123.	130.

Table D.15. Axle load equivalency factors for rigid pavements, triple axles and p of 2.5

Axle Load (kips)	Slab Thickness, D (inches)								
	6	7	8	9	10	11	12	13	14
2	.0001	.0001	.0001	.0001	.0001	.0001	.0001	.0001	.0001
4	.0003	.0003	.0003	.0003	.0003	.0003	.0003	.0003	.0003
6	.001	.001	.001	.001	.001	.001	.001	.001	.001
8	.003	.002	.002	.002	.002	.002	.002	.002	.002
10	.006	.005	.005	.005	.005	.005	.005	.005	.005
12	.011	.010	.010	.009	.009	.009	.009	.009	.009
14	.020	.018	.017	.017	.016	.016	.016	.016	.016
16	.033	.030	.029	.028	.027	.027	.027	.027	.027
18	.053	.048	.045	.044	.044	.043	.043	.043	.043
20	.080	.073	.069	.067	.066	.066	.066	.066	.066
22	.116	.107	.101	.099	.098	.097	.097	.097	.097
24	.163	.151	.144	.141	.139	.139	.138	.138	.138
26	.222	.209	.200	.195	.194	.193	.192	.192	.192
28	.295	.281	.271	.265	.263	.262	.262	.262	.262
30	.384	.371	.359	.354	.351	.350	.349	.349	.349
32	.490	.480	.468	.463	.460	.459	.458	.458	.458
34	.616	.609	.601	.596	.594	.593	.592	.592	.592
36	.765	.762	.759	.757	.756	.755	.755	.755	.755
38	.939	.941	.946	.948	.950	.951	.951	.951	.951
40	1.14	1.15	1.16	1.17	1.18	1.18	1.18	1.18	1.18
42	1.38	1.38	1.41	1.44	1.45	1.46	1.46	1.46	1.46
44	1.65	1.65	1.70	1.74	1.77	1.78	1.78	1.78	1.79
46	1.97	1.96	2.03	2.09	2.13	2.15	2.16	2.16	2.16
48	2.34	2.31	2.40	2.49	2.55	2.58	2.59	2.60	2.60
50	2.76	2.71	2.81	2.94	3.02	3.07	3.09	3.10	3.11
52	3.24	3.15	3.27	3.44	3.56	3.62	3.66	3.68	3.68
54	3.79	3.66	3.79	4.00	4.16	4.26	4.30	4.33	4.34
56	4.41	4.23	4.37	4.63	4.84	4.97	5.03	5.07	5.09
58	5.12	4.87	5.00	5.32	5.59	5.76	5.85	5.90	5.93
60	5.91	5.59	5.71	6.08	6.42	6.64	6.77	6.84	6.87
62	6.80	6.39	6.50	6.91	7.33	7.62	7.79	7.88	7.93
64	7.79	7.29	7.37	7.82	8.33	8.70	8.92	9.04	9.11
66	8.90	8.28	8.33	8.83	9.42	9.88	10.17	10.33	10.42
68	10.1	9.4	9.4	9.9	10.6	11.2	11.5	11.7	11.9
70	11.5	10.6	10.6	11.1	11.9	12.6	13.0	13.3	13.5
72	13.0	12.0	11.8	12.4	13.3	14.1	14.7	15.0	15.2
74	14.6	13.5	13.2	13.8	14.8	15.8	16.5	16.9	17.1
76	16.5	15.1	14.8	15.4	16.5	17.6	18.4	18.9	19.2
78	18.5	16.9	16.5	17.1	18.2	19.5	20.5	21.1	21.5
80	20.6	18.8	18.3	18.9	20.2	21.6	22.7	23.5	24.0
82	23.0	21.0	20.3	20.9	22.2	23.8	25.2	26.1	26.7
84	25.6	23.3	22.5	23.1	24.5	26.2	27.8	28.9	29.6
86	28.4	25.8	24.9	25.4	26.9	28.8	30.5	31.9	32.8
88	31.5	28.6	27.5	27.9	29.4	31.5	33.5	35.1	36.1
90	34.8	31.5	30.3	30.7	32.2	34.4	36.7	38.5	39.8

ENGINEER'S ESTIMATE
06-393304

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
1	020865	LEAD COMPLIANCE PLAN	LS	LUMP SUM	LUMP SUM	
2	070010	PROGRESS SCHEDULE (CRITICAL PATH)	LS	LUMP SUM	LUMP SUM	
3	BLANK					
4	074019	PREPARE STORM WATER POLLUTION PREVENTION PLAN	LS	LUMP SUM	LUMP SUM	
5	074020	WATER POLLUTION CONTROL	LS	LUMP SUM	LUMP SUM	
6 (S)	120090	CONSTRUCTION AREA SIGNS	LS	LUMP SUM	LUMP SUM	
7 (S)	120100	TRAFFIC CONTROL SYSTEM	LS	LUMP SUM	LUMP SUM	
8 (S)	120151	TEMPORARY TRAFFIC STRIPE (TAPE)	M	1980		
9 (S)	120165	CHANNELIZER (SURFACE MOUNTED)	EA	36		
10 (S)	120300	TEMPORARY PAVEMENT MARKER	EA	100		
11 (S)	128650	PORTABLE CHANGEABLE MESSAGE SIGN	LS	LUMP SUM	LUMP SUM	
12	129000	TEMPORARY RAILING (TYPE K)	M	500		
13 (S)	129100	TEMPORARY CRASH CUSHION MODULE	EA	28		
14	150662	REMOVE METAL BEAM GUARD RAILING	M	76		
15	150711	REMOVE PAINTED TRAFFIC STRIPE	M	1020		
16	150722	REMOVE PAVEMENT MARKER	EA	160		
17	150771	REMOVE ASPHALT CONCRETE DIKE	M	5930		
18	150806	REMOVE PIPE	M	7		
19	150820	REMOVE INLET	EA	26		
20	020866	REMOVE SURFACING	M3	94		