(1910) FUEL ESCALATION CLAUSE

The provisions set forth in Mn/DOT 1910 are hereby deleted, and the following is substituted therefore:

These provisions provide for compensation adjustments in the cost of motor fuels (diesel and gasoline) consumed in prosecuting the Contract work. The Engineer will calculate the Fuel Cost Adjustments. Payments or credits will be applied to partial and final payments for work items set forth herein.

For this purpose, the Department will establish a Base Fuel Index (BFI) for fuel to be used on the Project. The Base Fuel Index will be the average of the high and low rack prices shown for No. 2 ultra low sulfur fuel oil in the "OPIS Energy Group" tabulation titled "RackFax, Minneapolis, MN, OPIS Direct Gross No. 2 Distillate Fuels" ***for the day of the Contract letting***.

A Current Fuel Index (CFI) in cents per gallon will be established for each month. The CFI will be the average of the high and low rack prices shown for No. 2 ultra low sulfur fuel oil in the "OPIS Energy Group" tabulation titled "RackFax, Minneapolis, MN, OPIS Direct Gross No. 2 Distillate Fuels" averaged for the beginning and ending dates of the monthly period being adjusted.

The Engineer will compute the ratio of the Current Fuel Index to the Base Fuel Index (CFI/BFI) each month. If that ratio falls between 0.85 and 1.15, no fuel adjustment will be made that month. If the ratio is less than 0.85, a credit to the Department will be computed. If the ratio is greater than 1.15, additional payment to the Contractor will be computed.

Credit or additional payment will be computed as follows:

(1) The Engineer will estimate the quantity of work done in that month under each of the Contract items listed below.

(2) The Engineer will compute the gallons of fuel used in that month for each of the Contract items listed below by applying the unit fuel usage factors shown.

(3) The Engineer will summarize the total gallons (Q) of fuel used in that month for the applicable items.

(4) The Engineer will determine the Fuel Cost Adjustment (FCA) from the following formulas:

If the Current Fuel Index (CFI) is greater than the Base Fuel Index (BFI), the following formula shall be used to determine the amount of Fuel Cost Adjustment to be paid to the Contractor.

$$FCA = [(CFI/BFI) - 1.15] \times Q \times BFI$$

If the Current Fuel Index (CFI) is less than the Base Fuel Index (BFI), the following formula shall be used to determine the amount of Fuel Cost Adjustment to be credited to the Department.

FCA = [(CFI/BFI) – 0.85] x Q x BFI

Where FCA = Fuel Cost Adjustment (cents)
CFI = Current Fuel Index (cents per gallon)
BFI = Base Fuel Index (cents per gallon)
Q = Monthly total gallons of fuel

Basis of Payment

A Fuel Cost Adjustment payment to the Contractor will be made as a lump sum each payment period based on the last published CFI. A Fuel Cost Adjustment credit to the Department will be deducted as a lump sum each payment period from any monies due the Contractor. Upon completion of the work under the Contract, any difference between the estimated quantities previously paid and the final quantities will be determined. The CFI in effect on the day of completion of the Contract will be applied to the quantity differences in accordance with the procedures set forth above.

Schedule of Work Items
(Only items shown will be considered for compensation adjustments.)

	Item	Unit	Gallons of Fuel per Unit	Unit	Gallons of Fuel per Unit
(1) Earthwork:					
2105.501	Common Excavation	Cu. Yd	0.17	m^3	0.22
2105.503	Rock Excavation	Cu. Yd	0.27	m^3	0.35
2105.505	Muck Excavation	Cu. Yd	0.17	m^3	0.22
2105.507	Subgrade Excavation	Cu. Yd	0.17	m^3	0.22
2105.515	Unclassified Excavation	Cu. Yd	0.23	m^3	0.30
2105.521	Granular Borrow (EV)	Cu. Yd	0.17	m^3	0.22
	Granular Borrow (CV)	Cu. Yd	0.19	m^3	0.25
	Granular Borrow (LV)	Cu. Yd	0.14	m^3	0.18
2105.522	Select Granular Borrow (EV)	Cu. Yd	0.17	m^3	0.22
	Select Granular Borrow (CV)	Cu. Yd	0.19	m^3	0.25
	Select Granular Borrow (LV)	Cu. Yd	0.14	m^3	0.18
2105.523	Common Borrow (EV)	Cu. Yd	0.17	m^3	0.22
	Common Borrow (CV)	Cu. Yd	0.19	m^3	0.25
	Common Borrow (LV)	Cu. Yd	0.14	m^3	0.18
2105.535	Topsoil Borrow (EV)	Cu. Yd	0.17	m^3	0.22
	Topsoil Borrow (CV)	Cu. Yd	0.19	m^3	0.25
	Topsoil Borrow (LV)	Cu. Yd	0.14	m^3	0.18
2106.607	Common Embankment (CV)	Cu. Yd	0.19	m^3	0.25
2106.607	Granular Embankment (CV)	Cu. Yd	0.19	m^3	0.25
2106.607	Select Granular Embankment(CV)	Cu. Yd	0.19	m^3	0.25
2106.607	Select Granular Embankment Modified (__ %) (CV)	Cu. Yd	0.19	m^3	0.25
2106.607	Excavation – Rock	Cu. Yd	0.27	m^3	0.35
2106.607	Excavation – Muck	Cu. Yd	0.17	m^3	0.22

Item		Unit	Gallons of Fuel per Unit	Unit	Gallons of Fuel per Unit
(2) Aggregate Base:					
2211.501	Aggregate Base	Ton	0.55	t	0.61
2211.502	Aggregate Base (LV)	Cu. Yd	0.77	m^3	1.01
2211.503	Aggregate Base (CV)	Cu. Yd	0.99	m^3	1.29
2211.607	Open Graded Aggregate Base (CV)	Cu. Yd	0.99	m^3	1.29
(3) Aggregate Shouldering:					
2221.501	Aggregate Shouldering	Ton	0.55	t	0.61
2221.502	Aggregate Shouldering (LV)	Cu. Yd	0.77	m^3	1.01
2221.503	Aggregate Shouldering (CV)	Cu. Yd	0.99	m^3	1.29
(4) Concrete Pavements:					
2301.511	Structural Concrete	Cu. Yd	0.98	m^3	1.28
2301.513	Structural Concrete HE	Cu. Yd	0.98	m^3	1.28
2301.604	Structural Concrete	Sq. Yd.	0.027*t	m^2	0.00128*t
(5) Bituminous Pavements:					
2350.501	Type ( ) Wearing Course Mixture ( )	Ton	0.90	t	0.99
2350.502	Type ( ) Non-Wearing Course Mixture ( )	Ton	0.90	t	0.99
2350.503	Type ( ) ( ) Course ( ), (t)" Thick	Sq. Yd	0.051*t		
2350.503	Type ( ) ( ) Course (,), (t) mm Thick			m^2	0.0024*t
2360.501	Type SP ( ) Wearing Course Mixture ( )	Ton	0.90	t	0.99
2360.502	Type SP ( ) Non-Wearing Course Mixture (,)	Ton	0.90	t	0.99
2360.503	Type SP ( ) ( ) Course (,), (t)" thick	Sq. Yd	0.051*t		
2360.503	Type SP ( ) ( ) Course (,), (t) mm thick			m^2	0.0024*t
(6) Pipe: ***					
2501.511	__ ____ Pipe Culvert ___	Lin. Ft.	0.70	m	2.30
2501.521	__ ____ Pipe Arch Culvert ___	Lin. Ft.	0.70	m	2.30
2501.561	__ ____ Pipe Culvert Des 3006 ___	Lin. Ft.	0.70	m	2.30
2501.603	__ Pipe Culvert	Lin. Ft.	0.70	m	2.30
2503.511	__ ____ Pipe Sewer ___	Lin. Ft.	0.70	m	2.30
2503.521	__ ____ Pipe Arch Sewer ___	Lin. Ft.	0.70	m	2.30
2503.541	__ ____ Pipe Sewer Des 3006 ___	Lin. Ft.	0.70	m	2.30
2503.603	__ ____ Pipe Sewer	Lin. Ft.	0.70	m	2.30

t = thickness (in inches or mm)

NOTE: No price adjustments will be made on fuel used for drying and heating aggregates.
*** No price adjustment will be made for pipes less than 12" in diameter or jacked pipes.