



Attention: [REDACTED]

Downer EDI Pty Ltd
39 Delhi Road
North Ryde NSW 2113

Dear [REDACTED]

**Automatic Train Protection Program (ATP)
M-Set Fleet Onboard Installation Project (ISD-17-6605)**

Subject: Variation Order VO-001 for revised Notice of ETCS Installation Start Date

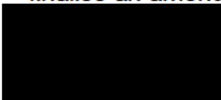
Further to previous correspondence between TfNSW and Downer EDI, the parties have agreed on a Variation to the date of the Notice of ETCS Installation Deferral. This has impacted other contract dates which have also been agreed by the parties.

Pursuant to Clause 6.2(a), TfNSW awards this Variation Order of \$98,000 to formalise the revised agreed dates and Contract Price as outlined in the table below:

Clause / Definition	Existing Contract Date / Price	Date / Price after this Variation Order
Notice of ETCS Installation Deferral	Prior to 13 April 2018	Prior to 29 November 2018
Assumed ETCS Installation Start Date	8 June 2018	31 January 2019
Option 3 Changeover Date of 27 July 2018	27 July 2018	N/A
Date for Works Completion	14 October 2018	No later than 3 October 2019
Contract Price	\$6,979,608.61	\$7,077,608.61
Payment Schedule	As per Schedule 2	TBA
Contractor Program	As per existing contract	TBA

TfNSW notes that both parties are yet to agree on a revised Payment Schedule in light of the change to the abovementioned dates.

Please contact the TfNSW Project Manager, Codruta Bastucescu, on [REDACTED] in order to finalise an amendment to the Payment Schedule.



**Anthony Grant
Principal's Representative
ATP Program**

27/06/2018

Dated:

ATP Ref: 6082630
Downer Ref: [REDACTED]

Attention: [REDACTED]

Downer EDI Pty Ltd
39 Delhi Road
North Ryde NSW 2113

Dear [REDACTED]

**Automatic Train Protection Program (ATP)
M-Set Fleet Onboard Installation Project (ISD-17-6605)**

Subject: Variation Order VO-002 Additional ATP Equipment Storage

TfNSW refers to Downer's above referenced correspondence dated 26th of April 2018 regarding additional ATP equipment storage at their out-sourced off site warehouse in Newcastle.

The ATP spare parts and batches for M-sets will be delivered by Alstom progressively, starting from end of July 2018. Downer will provide additional storage for the delivered equipment until October 2019 when the installation is due to be completed. A pre storage inspection will be conducted on the equipment at the warehouse with TfNSW, Downer and Alstom quality representatives in attendance. Downer shall notify TfNSW upon arrival of the additional equipment to the storage facility.

TfNSW accepts and approves the proposed quotation to provide this service at [REDACTED] per pallet / per month. Pursuant to Clause 6.2(a), TfNSW awards this Variation Order valued at a capped amount of \$12,194.00. The revised contract value is \$7,089,803.

Please contact the TfNSW Project Manager, Codruta Bastucescu, on [REDACTED] for any further enquiries.

Yours sincerely

pp [REDACTED]

**Anthony Grant
Principal's Representative
ATP Program**

Dated: 29/06/2018

Downer Ref: [REDACTED]

Attention: [REDACTED]

Downer EDI Pty Ltd
39 Delhi Road
North Ryde NSW 2113

Dear [REDACTED],

**Automatic Train Protection Program (ATP)
M-Set Fleet Onboard Installation Contract (ISD-17-6605)**

**Subject: Variation Order VO-003 Delay Costs and Additional Equipment Storage,
Notice of ETCS Installation Deferral and Extension of Time (EoT) to the Date for
Works Completion**

Further to the discussions between TfNSW's Anthony Grant and Downer's [REDACTED] held on 7 April 2020, the parties have agreed on a revised ETCS Installation Start Date and Date for Works Completion.

Pursuant to sub-clause 10.20(b) *Deferred Commencement of ETCS Installation* of the M-Set Fleet Onboard Installation Contract, TfNSW notifies Downer of the revised ETCS Installation Start Date and requests Downer to issue a detailed breakdown of the Contractor's Program and any other impacts.

Pursuant to clause 10.10 *Extension of Time* of the M-Set Fleet Onboard Installation Contract, TfNSW awards an extension of time to the Date for Works Completion.

The revised ETCS Installation Start Date and Date for Works Completion is as outlined in the Table 1 below.

Table 1. Revised Dates

Clause / Definition	Existing Contract Date	Revised Date
ETCS Installation Start Date	29 January 2020	17 June 2020
Date for Works Completion	8 December 2020	5 July 2021

Further to recent discussions between TfNSW's Ethan Weisz and Downer's [REDACTED], TfNSW issues Variation Order-03 pursuant to clause 6.2 *Variation Orders* of the M-Set Fleet Onboard Installation Contract.

Pursuant to clause 6.4 *Valuation* and 10.12 *Delay Damages* of the M-Set Fleet Onboard Installation Contract and negotiations between Downer and TfNSW, VO-003 Delay Costs and Additional Equipment Storage pricing is detailed in Table 2 below.

Table 2. VO-003 Delay Costs and Additional Equipment Storage

No	Description	Value
1	EoT for period 1 Feb 2019 to 26 Nov 2019	\$98,000.00
2	EoT for period 27 Nov 2019 to 28 Jan 2020	\$21,644.00
3	EoT for period 29 Jan 2020 to 31 March 2020	\$230,085.00
4	EoT for period April 2020	\$106,978.00
5	Storage costs for period Sept 2018 to end Dec 2019	\$131,669.00
Total VO-003 Delay Costs and Additional Equipment Storage		\$588,376.00

The revised Contract Sum of the M-Set Fleet Onboard Installation Contract is detailed in Table 3 below.

Table 3 Revised Contract Sum

Description	Value
Original Contract Sum	\$6,979,608.02
VO-001 Revised Date for Notice of ETCS Installation Deferral	\$98,000.00
VO-002 Additional ATP Equipment Storage	\$12,194.00
VO-003 Delay Costs and Additional Equipment Storage	\$588,376.00
Revised Contract Sum	\$7,678,178.02

Please contact TfNSW's Project Manager, Codruta Bastucescu, on [REDACTED] and TfNSW's Commercial Manager, Ethan Weisz on [REDACTED] for any further inquiries.

Yours sincerely,



Anthony Grant
Principal's Representative
ATP Program

Dated: 02 June 2020

TfNSW Ref: 6507054
Downer Ref: [REDACTED]

Attention: [REDACTED]

Downer EDI Pty Ltd
39 Delhi Road
North Ryde NSW 2113

Dear [REDACTED],

**Automatic Train Protection Program (ATP)
M-Set Fleet Onboard Installation Contract (ISD-17-6605)**

Subject: Variation Order VO-04 Delay Costs, Notice of ETCS Installation Deferral and Extension of Time (EoT) to the Date for Works Completion

Further to Downer's Variation Proposal Request as referenced above and subsequent discussions between TfNSW and Downer, the parties have agreed on a revised ETCS Installation Start Date and Date for Works Completion.

Pursuant to sub-clause 10.20(b) *Deferred Commencement of ETCS Installation* of the M-Set Fleet Onboard Installation Contract, TfNSW notifies Downer of the revised ETCS Installation Start Date and requests Downer to issue a detailed breakdown of the Contractor's Program.

Pursuant to clause 10.10 *Extension of Time* of the M-Set Fleet Onboard Installation Contract, TfNSW awards an extension of time to the Date for Works Completion.

The revised ETCS Installation Start Date and Date for Works Completion is as outlined in the Table 1 below.

Table 1. Revised Dates

Clause / Definition	Existing Contract Date	Revised Date
ETCS Installation Start Date	17 June 2020	2 July 2020.
Date for Works Completion	5 July 2021	19 July 2021

Further to recent discussions between TfNSW's Ethan Weisz and Downer's [REDACTED], TfNSW issues Variation Order-04 pursuant to clause 6.2 *Variation Orders* of the M-Set Fleet Onboard Installation Contract.

Pursuant to clause 6.4 *Valuation* and 10.12 *Delay Damages* of the M-Set Fleet Onboard Installation Contract and negotiations between Downer and TfNSW, VO-04 Delay Costs is detailed in Table 2 below.

Table 2. VO-04 Delay Costs

No	Description	Value (excl. GST)
1	Additional EoT for April 2020	\$35,631.60
2	EoT for period 1 May 2020 to 2 July 2020	\$210,807.00
Total VO-04 Delay Costs		\$246,438.60

The revised Contract Sum of the M-Set Fleet Onboard Installation Contract is detailed in Table 3 below.

Table 3 Revised Contract Sum

Description	Value (excl. GST)
Original Contract Sum	\$6,979,608.02
VO-01 Revised Date for Notice of ETCS Installation Deferral	\$98,000.00
VO-02 Additional ATP Equipment Storage	\$12,194.00
VO-03 Delay Costs and Additional Equipment Storage	\$588,376.00
VO-04 Delay Costs, Notice of ETCS Installation Deferral and Extension of Time (EoT) to the Date for Works Completion	\$246,438.60
Revised Contract Sum	\$7,924,616.62

Please contact TfNSW's Project Manager, Codruta Bastucescu, on [REDACTED] and TfNSW's Commercial Manager, Ethan Weisz on [REDACTED] for any further inquiries.

Yours sincerely,

[REDACTED]

Anthony Grant
Principal's Representative
ATP Program

Dated: 24/09/2020

TfNSW Ref: 6561316
 Downer Ref: [REDACTED]
 [REDACTED]

Attention: [REDACTED]

Downer EDI Pty Ltd
 39 Delhi Road
 North Ryde NSW 2113

Dear [REDACTED],

**Automatic Train Protection Program (ATP)
 M-Set Fleet Onboard Installation Contract (ISD-17-6605)**

Subject: Variation Order VO-05 Installation of Upgraded TOS Software

TfNSW refers to Downer's "Variation Request "M-Set ATP TOSCU's + TOSDDUs Software Upgrade" dated 18 August 2020.

Pursuant to clause 6.4 Valuation, TfNSW has completed its assessment and awards a Variation under clause 6.2 Variation Orders for Downer to upload the upgraded TOS Software on the existing hardware for each ATP fitted set during the ATP installation.

The total Variation value is determined in the amount of \$86,016. The Variation value is further detailed in Table 1 below

Table 1. Variation Order VO-05 Installation of Upgraded TOS Software

No	Description	Cost	Qty	Price
1	Installation of upgraded TOS Software [REDACTED]	[REDACTED]	[REDACTED]	\$71,680
2	[REDACTED]	NA	NA	\$14,336
Total VO-05 Installation of Upgraded TOS Software				\$86,016

The revised Contract Sum of the M-Set Fleet Onboard Installation Contract is detailed in Table 3 below.

Table 2 Revised Contract Sum

Description	Value (excl. GST)
Original Contract Sum	\$6,979,608.02
VO-01 Revised Date for Notice of ETCS Installation Deferral	\$98,000.00

VO-02 Additional ATP Equipment Storage	\$12,194.00
VO-03 Delay Costs and Additional Equipment Storage	\$588,376.00
VO-04 Delay Costs, Notice of ETCS Installation Deferral and Extension of Time (EoT) to the Date for Works Completion	\$246,438.60
VO-05 Installation of upgraded TOS software	\$86,016
Revised Contract Sum	\$8,010,632.62

Please contact TfNSW's Project Manager, Codruta Bastucescu, on [REDACTED] and TfNSW's Commercial Manager, Ethan Weisz on [REDACTED] for any further inquiries.

Yours sincerely,

[REDACTED]

Anthony Grant
Principal's Representative
ATP Program

Dated: 18/02/2021

TfNSW Ref: 6565644
Downer Ref: [REDACTED]
[REDACTED]

Attention: [REDACTED]

Downer EDI Pty Ltd
39 Delhi Road
North Ryde NSW 2113

Dear [REDACTED],

**Automatic Train Protection Program (ATP)
M-Set Fleet Onboard Installation Contract (ISD-17-6605)**

Subject: Variation Order VO-06 M-Set ATP Loco Haul (Provisional Sum Work)

TfNSW refers to Downer's "Variation Request "M-Set ATP Loco Haul (Provisional)" dated 20 August 2020.

Pursuant to clause 6.4 Valuation, TfNSW has completed its assessment and awards a Variation under clause 6.2 Variation Orders for Downer to loco haul the M-Sets between Downer Cardiff installation facility and Auburn Maintenance Centre during the installation of ATP equipment on Millennium fleet.

The total Variation value is determined in the amount of \$291,030.00. The Variation value is further detailed in Table 1 below.

Table 1. Variation Order VO-06 M-Set ATP Loco Haul (Provisional Sum Work)

No	Description	Cost [REDACTED]	[REDACTED]	Qty	Price
1	Single Returns	[REDACTED]	[REDACTED]	1	\$89,993.44
2	Return Transfers	[REDACTED]	[REDACTED]	1	\$201,037
Total VO-06 M-Set ATP Loco Haul (Provisional Sum Work)					\$291,030.00

TfNSW notes that this Variation is categorized as Provisional Sum Work and will be reimbursed upon production of third party invoice.

Pursuant to clause 7.3 (a) (ii) (b) Provisional Sum Work, a reduction in the total Variation value will not attract additional overhead and profits as part of a negative Variation fee.

The revised Contract Sum of the M-Set Fleet Onboard Installation Contract is detailed in Table 2 below.

Table 2 Revised Contract Sum

Description	Value (excl. GST)
Original Contract Sum	\$6,979,608.02
VO-01 Revised Date for Notice of ETCS Installation Deferral	\$98,000.00
VO-02 Additional ATP Equipment Storage	\$12,194.00
VO-03 Delay Costs and Additional Equipment Storage	\$588,376.00
VO-04 Delay Costs, Notice of ETCS Installation Deferral and Extension of Time (EoT) to the Date for Works Completion	\$246,438.60
VO-05 Installation of upgraded TOS software	\$86,016.00
VO-06 M-Set ATP Loco Haul (Provisional Sum Work)	\$291,030.00
Revised Contract Sum	\$8,301,662.62

Please contact TfNSW's Project Manager, Codruta Bastucescu, on [REDACTED] and TfNSW's Commercial Manager, Ethan Weisz on [REDACTED] for any further inquiries.

Yours sincerely,

[REDACTED]

Anthony Grant
Principal's Representative
ATP Program

Dated: 26/02/2021

Attention: [REDACTED]

Downer EDI Pty Ltd
39 Delhi Road
North Ryde NSW 2113

Dear [REDACTED],

**Automatic Train Protection Program (ATP)
M-Set Fleet Onboard Installation Contract (ISD-17-6605)**

Subject: Variation Order VO-07 Final PBS Additional Labour and Material

TfNSW refers to Downer's "Variation Request "M-Set ATP Bid to Final PBS Additional Material (Provisional)" dated 18 February 2020.

Pursuant to clause 6.4 Valuation, TfNSW has completed its assessment and awards a Variation under clause 6.2 Variation Orders for Downer to provide additional labour and material for the M-Set Fleet Onboard Installation.

The total Variation value is determined in the amount of \$1,250,086.00. The Variation value is further detailed in Table 1 and Table 2 below.

Table 1. VO-07 Final PBS Additional Material

No	Description	Bid PBS Material Price	Final PBS Material Price	Additional Material Price (Excl. GST)
1	Harnesses / Connector Components	[REDACTED]	[REDACTED]	\$4,502
2	Fabrication Components	[REDACTED]	[REDACTED]	\$8,245
3	Fastener Components	[REDACTED]	[REDACTED]	\$1,106
4	Mechanical Components	[REDACTED]	[REDACTED]	\$7,651
	[REDACTED]	[REDACTED]	[REDACTED]	\$21,504
	Projec [REDACTED]	[REDACTED]	[REDACTED]	\$709,627
	[REDACTED]			\$141,925
Total VO-07 Final PBS Additional Material				\$851,552

Table 2. VO-07 Final PBS Additional Labour

No	Description	Install Hours	Install Rate	Price (excl. GST)
1	Harnesses / Connector Components	Not Included		
2	Electrical Components	■	■	\$4,012
3	Fabrication Components	■	■	\$2,176
4	Fastener Components	■	■	\$1,224
5	Mechanical Components	■	■	\$2,652
		■		\$10,064
Project				\$332,112
Plus				\$66,422.40
TOTAL VO-07 Final PBS Additional Material				\$398,534.40

The revised Contract Sum of the M-Set Fleet Onboard Installation Contract is detailed in Table 3 below.

Table 3 Revised Contract Sum

Description	Price (excl. GST)
Original Contract Sum	\$6,979,608.02
VO-01 Revised Date for Notice of ETCS Installation Deferral	\$98,000.00
VO-02 Additional ATP Equipment Storage	\$12,194.00
VO-03 Delay Costs and Additional Equipment Storage	\$588,376.00
VO-04 Delay Costs, Notice of ETCS Installation Deferral and Extension of Time (EoT) to the Date for Works Completion	\$246,438.60
VO-05 Installation of upgraded TOS software	\$86,016.00
VO-06 M-Set ATP Loco Haul (Provisional)	\$291,030.00
VO-07 Final PBS Additional Labour and Material	\$1,250,086.00
Revised Contract Sum	\$9,551,748.62

Please contact TfNSW's Project Manager, Codruta Bastucescu, on ■ and TfNSW's Commercial Manager, Ethan Weisz on ■ for any further inquiries.

Yours sincerely,



Anthony Grant
Principal's Representative
ATP Program

Dated: 31/03/2021

Attention: [REDACTED]

Downer EDI Pty Ltd
39 Delhi Road
North Ryde NSW 2113

Dear [REDACTED],

**Automatic Train Protection Program (ATP)
M-Set Fleet Onboard Installation Contract (ISD-17-6605)**

Subject: Variation Order VO-08 Ferrite Rings for ATP EMC Solution on M-Sets

Further to email correspondence dated 30 April 2021 between TfNSW and Downer EDI referencing [REDACTED] dated 29 April 2021 from [REDACTED], the parties have agreed on a Variation to increase the current Contract Sum by \$167,899.68 (excl. GST) to a revised Contract Sum of \$9,719,648.30 (excl. GST).

Pursuant to clause 6.4 Valuation, TfNSW has completed its assessment and awards a Variation under clause 6.2 Variation Orders for Downer to procure ferrite rings for the ATP Electromagnetic compatibility (EMC) solution for the M-Set Fleet Onboard Installation.

The total Variation value is determined in the amount of \$167,899.68 (excl. GST). The Variation value is further detailed in Table 1.

Table 1 – VO-08 Ferrite Rings for ATP EMC Solution on M-Sets

Description	Cost (excl. GST)	Total (excl. GST)
Ferrite rings [REDACTED]	\$139,916.40	\$139,916.40
Contract allowance [REDACTED]	[REDACTED]	\$27,983.28
Total for VO-08 Ferrite Rings for ATP EMC Solution on M-Sets		\$167,899.68

The revised Contract Sum of the M-Set Fleet Onboard Installation Contract is detailed in Table 2 below.

Table 2 – Revised Contract Sum

Description	Price (excl. GST)
Original Contract Sum	\$6,979,608.02
VO-01 Revised Date for Notice of ETCS Installation Deferral	\$98,000.00
VO-02 Additional ATP Equipment Storage	\$12,194.00
VO-03 Delay Costs and Additional Equipment Storage	\$588,376.00
VO-04 Delay Costs, Notice of ETCS Installation Deferral and Extension of Time (EoT) to the Date for Works Completion	\$246,438.60
VO-05 Installation of upgraded TOS software	\$86,016.00
VO-06 M-Set ATP Loco Haul (Provisional)	\$291,030.00
VO-07 Final PBS Additional Labour and Material	\$1,250,086.00
VO-08 Ferrite Rings for ATP EMC Solution on M-Sets	\$167,899.68
Revised Contract Sum	\$9,719,648.30

Please contact TfNSW's Project Manager, Codruta Bastucescu, on [REDACTED] and TfNSW's Commercial Manager, Ethan Weisz on [REDACTED] for any further inquiries.

Yours sincerely,

[REDACTED]

Anthony Grant
Principal's Representative
ATP Program

Dated: 21/05/2020

Attention: [REDACTED]

Downer EDI Rail Pty Ltd
39 Delhi Road
North Ryde NSW 2113

Dear [REDACTED],

**Automatic Train Protection Program (ATP)
M-Set Fleet Onboard Installation Contract (ISD-17-6605)**

Subject: Variation Order VO-09 M-Set ATP Water Ingress Rectification

TfNSW refers to Downer's Variation Request "M-Set ATP Water Ingress Rectification" dated 18 August 2021.

Pursuant to clause 6.4 Valuation, TfNSW has completed its assessment and awards a Variation under clause 6.2 Variation Orders for Downer to undertake the water ingress rectification works for the M-Set Fleet Onboard Installation.

The total Variation value is determined in the amount of \$289,998.17 (excl. GST). The Variation value is further detailed in Table 1 below.

Table 1 – VO-09 M-Set ATP Water Ingress Rectification Pricing Breakdown Overview

Description	Per Set (excl. GST)	Total Cost (excl. GST)
Base Expense Costs	[REDACTED]	\$151,632.46
Base Labour Costs	[REDACTED]	\$172,057.00
Total Base Costs	[REDACTED]	\$323,689.46
Minus [REDACTED]	[REDACTED]	\$33,691.29
Total Net Base Costs (Minus costs invoiced to Alstom)	[REDACTED]	\$289,998.17

The revised Contract Sum of the M-Set Fleet Onboard Installation Contract is detailed in Table 2 below.

Table 2 – Revised Contract Sum

Description	Price (excl. GST)
Original Contract Sum	\$6,979,608.02
VO-01 Revised Date for Notice of ETCS Installation Deferral	\$98,000.00
VO-02 Additional ATP Equipment Storage	\$12,194.00
VO-03 Delay Costs and Additional Equipment Storage	\$588,376.00
VO-04 Delay Costs, Notice of ETCS Installation Deferral and Extension of Time (EoT) to the Date for Works Completion	\$246,438.60
VO-05 Installation of upgraded TOS software	\$86,016.00
VO-06 M-Set ATP Loco Haul (Provisional)	\$291,030.00
VO-07 Final PBS Additional Labour and Material	\$1,250,086.00
VO-08 Ferrite Rings for ATP EMC Solution on M-Sets	\$167,899.68
VO-09 M-Set ATP Water Ingress Rectification	\$289,998.17
Revised Contract Sum	\$10,009,646.47

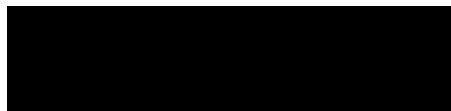
Please contact TfNSW's Project Manager, Codruta Bastucescu, on [REDACTED] and TfNSW's Commercial Manager, Ethan Weisz on [REDACTED] for any further inquiries.

Yours sincerely,



Anthony Grant
Principal's Representative
ATP Program

Dated: 25/08/2021



Attention: 

Downer EDI Rail Pty Ltd
39 Delhi Road
North Ryde NSW 2113

Dear ,

**Automatic Train Protection Program (ATP)
M-Set Fleet Onboard Installation Contract (ISD-17-6605)**

Subject: Variation Order VO-010 ATP M-Set EMC Solution

TfNSW refers to Downer's following Variation Proposal Requests:

- VR_012 – "M-Set ATP Polystone Purchase" – 23 August 2021
- VR_013 – "M-Set ATP Ferrite Ring Support Assembly Purchase" – 8 October 2021
- VR_014 – "M-Set ATP Loco Haul (EMC Trial)" – 14 October 2021

Pursuant to clause 6.4 Valuation, TfNSW has completed its assessment and awards a Variation under clause 6.2 Variation Orders for Downer to undertake the abovementioned EMC solution works for the M-Set Fleet Onboard Installation.

The total Variation value is determined in the amount of \$425,438.00 (excl. GST). The Variation value is further detailed in Table 1 below.

Table 1 – VO-010 M-Set EMC Solution Pricing Breakdown

VR No.	Description	Cost (excl. GST)
VR_012	M-Set ATP Polystone Purchase	\$66,264.00
VR_013	M-Set ATP Ferrite Ring Support Assembly Purchase	\$290,136.00
VR_014	M-Set ATP Loco Haul (EMC Trial)	\$44,038.00
N/A	Provisional Sum for loco hauling and engineering support for dynamic testing	\$25,000.00
Total		\$425,438.00

The revised Contract Sum of the M-Set Fleet Onboard Installation Contract is detailed in Table 2 below.

Table 2 – Revised Contract Sum

Description	Price (excl. GST)
Original Contract Sum	\$6,979,608.02
VO-01 Revised Date for Notice of ETCS Installation Deferral	\$98,000.00
VO-02 Additional ATP Equipment Storage	\$12,194.00
VO-03 Delay Costs and Additional Equipment Storage	\$588,376.00
VO-04 Delay Costs, Notice of ETCS Installation Deferral and Extension of Time (EoT) to the Date for Works Completion	\$246,438.60
VO-05 Installation of upgraded TOS software	\$86,016.00
VO-06 M-Set ATP Loco Haul (Provisional)	\$291,030.00
VO-07 Final PBS Additional Labour and Material	\$1,250,086.00
VO-08 Ferrite Rings for ATP EMC Solution on M-Sets	\$167,899.68
VO-09 M-Set ATP Water Ingress Rectification	\$289,998.17
VO-010 M-Set EMC Solution	\$425,438.00
Revised Contract Sum	\$10,435,084.47

Please contact TfNSW's Project Manager, Codruta Bastucescu, on [REDACTED] and TfNSW's Commercial Manager, Ethan Weisz on [REDACTED] for any further inquiries.

Yours sincerely,

[REDACTED]

Anthony Grant
Principal's Representative
ATP Program

Dated: 27/10/2021

Attention: [REDACTED]

Downer EDI Rail Pty Ltd
39 Delhi Road
North Ryde NSW 2113

Dear [REDACTED],

**Automatic Train Protection Program (ATP)
M-Set Fleet Onboard Installation Contract (ISD-17-6605)**

Subject: Variation Order VO-011 M-Set ATP Ferrite Ring Support Assembly Fleet Installation

TfNSW refers to Downer's Variation Request "M-Set ATP Ferrite Ring Support Assembly Fleet Installation" dated 8 December 2021.

Pursuant to clause 6.4 Valuation, TfNSW has completed its assessment and awards a Variation under clause 6.2 Variation Orders for Downer to undertake the ferrite ring support assembly fleet installation works for the M-Set Fleet Onboard Installation.

The total Variation value is determined in the amount of \$148,220.00 (excl. GST). The Variation value is further detailed in Table 1 below.

Table 1 – VO-011 M-Set ATP Ferrite Ring Support Assembly Fleet Installation

No.	Item Description	Cost (excl. GST)
1	Project Management	\$11,220.00
2	Production Labour	\$83,160.00
3	Consumables	\$840.00
4	Loco Haul – Provisional Sum	\$50,400.00
5	LCR Meters	\$2,600.00
Total Cost		\$148,220.00

The revised Contract Sum of the M-Set Fleet Onboard Installation Contract is detailed in Table 2 below.

Table 2 – Revised Contract Sum

Description	Price (excl. GST)
Original Contract Sum	\$6,979,608.02
VO-01 Revised Date for Notice of ETCS Installation Deferral	\$98,000.00
VO-02 Additional ATP Equipment Storage	\$12,194.00
VO-03 Delay Costs and Additional Equipment Storage	\$588,376.00
VO-04 Delay Costs, Notice of ETCS Installation Deferral and Extension of Time (EoT) to the Date for Works Completion	\$246,438.60
VO-05 Installation of upgraded TOS software	\$86,016.00
VO-06 M-Set ATP Loco Haul (Provisional)	\$291,030.00
VO-07 Final PBS Additional Labour and Material	\$1,250,086.00
VO-08 Ferrite Rings for ATP EMC Solution on M-Sets	\$167,899.68
VO-09 M-Set ATP Water Ingress Rectification	\$289,998.17
VO-010 M-Set EMC Solution	\$425,438.00
VO-011 M-Set ATP Ferrite Ring Support Assembly Fleet Installation	\$148,220.00
Revised Contract Sum	\$10,583,304.47

Please contact TfNSW's Commercial Manager, Ethan Weisz for any further inquiries.

Yours sincerely,



Anthony Grant
Principal's Representative
ATP Program

Dated: 24/12/2021