



Iowa Department of Transportation

Highway Division

PLANS OF PROPOSED IMPROVEMENT ON THE

INTERSTATE ROAD SYSTEM

HARRISON COUNTY

MISCELLANEOUS

Just N. of Missouri Valley (Trap Bag Removal)

SCALES: As Noted

Refer to the Proposal Form for list of applicable specifications.

Value Engineering Saves. Refer to Article 1105.15 of the Specifications.

NO MILEAGE SUMMARY



REVISIONS

TOTAL

4

PROJECT IDENTIFICATION NUMBER

12-43-029-010

PROJECT NUMBER

IMN-29-5(232)76--0E-43

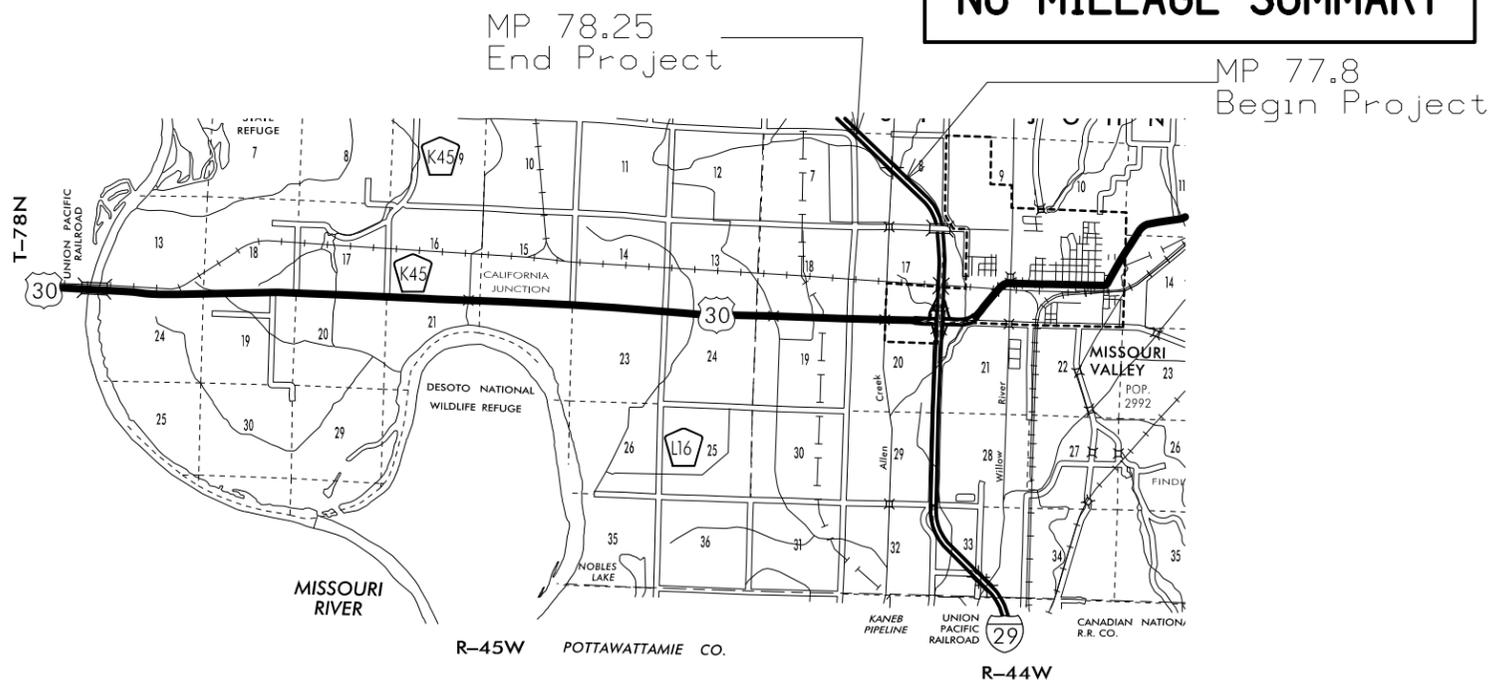
R.O.W. PROJECT NUMBER

INDEX OF SHEETS

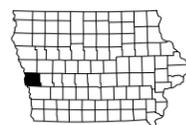
No.	DESCRIPTION
A Sheets	Title Sheets
A.1	Title Sheet
C Sheets	Quantities and General Information
C.1	Project Description
C.1	Estimated Project Quantities
C.1	Estimate Reference Information
C.2	Standard Road Plans
C.2	General Notes
C.2	Tabulations (beg. with tab. of incidentals if needed)
J Sheets	Traffic Control and Staging Sheets
J.1	Traffic Control Plan
J.1	Staging Notes Stage
	* Color Plan Sheets

LETTING DATE
09/21/2011
MISCELLANEOUS
IMN-29-5(232)76--0E-43

HARRISON CO.



NOTE TO SCALE



DESIGN DATA RURAL			
2010 AADT	13,500	V.P.D.	
20 AADT		V.P.D.	
20 DHV		V.P.H.	
TRUCKS	25 %		
Total Design ESALs			

INDEX OF SEALS		
SHEET NO.	NAME	TYPE
A.1	Donald G. Drake	Primary Signature Block

ROADWAY DESIGN

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

Donald G. Drake 09/12/2011
Signature Date
Donald G. Drake
Printed or Typed Name
My license renewal date is December 31, 2012

Pages or sheets covered by this seal: A1, C1-C2, J.1

PROJECT DESCRIPTION

100-ID
10-18-05

This project involves the removal of trap bags located on Interstate 29 (I29), between MP 77.8 and MP 78.25, and preparing and returning the roadway to the traffic condition that existed prior to establishing emergency flood measures. The Contractor will remove the trap bags and waste them off site, haul granular material from trap bags to the abandoned weigh scales located on either side of I29 at MP 73, and prepare all NB and SB I29 lanes to accept traffic once the project is complete.

ESTIMATED PROJECT QUANTITIES

ITEM NO.	ITEM CODE	ITEM	UNIT	TOTAL	AS BUILT QUAN.
1	2528-8445110	TRAFFIC CONTROL	LS	1.00	
2	2533-4980005	MOBILIZATION	LS	1.00	
3	2555-0000010	DELIVER AND STOCKPILE SALVAGED MATERIALS , GRANULAR MATERIAL, SB WEIGH SCALE	LS	1.00	
4	2555-0000010	DELIVER AND STOCKPILE SALVAGED MATERIALS , TEMPORARY CRASH CUSHIONS	LS	1.00	
5	2555-0000010	DELIVER AND STOCKPILE SALVAGED MATERIALS GRANULAR MATERIAL, NB WEIGH SCALE	LS	1.00	
6	2599-9999009	TRAP BAG REMOVAL	LF	5,172.0	

ESTIMATE REFERENCE INFORMATION

ITEM NO.	ITEM CODE	DESCRIPTION
1	2528-8445110	TRAFFIC CONTROL --
2	2533-4980005	MOBILIZATION --
3	2555-0000010	DELIVER AND STOCKPILE SALVAGED MATERIALS , GRANULAR MATERIAL, SB WEIGH SCALE Aggregate from the trap bags shall be salvaged and hauled to the SB abandoned weigh scales. Mileage from the SB I29 Trap Bag installation to the SB weigh scales is 4.4 miles. 2566 Ton to be stockpiled at the abandoned SB Weigh Scale near MP 73. Disposal of waste materials shall be incidental to the Deliver and Stockpile Salvaged Material, Granular Materials bid item. The contractor will need to contact Marshal Wilber, phone # 712-642-2178, 48 hours prior to anticipated delivery of granular material to the abandoned weigh scales.
4	2555-0000010	DELIVER AND STOCKPILE SALVAGED MATERIALS , TEMPORARY CRASH CUSHIONS This item includes removing and neatly stockpiling 3 complete sets of sand barrel arrays consisting of 15 barrels each at the Missouri Valley Maintenance shop located at 2308 US 30, Missouri Valley, Iowa. The contractor will need to contact Marshal Wilber, phone # 712-642-2178, 48 hours prior to anticipated delivery of the sand barrels.
5	2555-0000010	DELIVER AND STOCKPILE SALVAGED MATERIALS GRANULAR MATERIAL, NB WEIGH SCALE Aggregate from the trap bags shall be salvaged and hauled to the NB abandoned weigh scales. Mileage from the NB I29 Trap Bag installation to the NB weigh scales is 15.8 miles. 3020 Ton to be stockpiled at the abandoned NB Weigh Scale near MP 73. Disposal of waste materials shall be incidental to the Deliver and Stockpile Salvaged Material, Granular Materials bid item. The contractor will need to contact Marshal Wilber, phone # 712-642-2178, 48 hours prior to anticipated delivery of granular material to the abandoned weigh scales.

ESTIMATE REFERENCE INFORMATION

ITEM NO.	ITEM CODE	DESCRIPTION
6	2599-9999009	<p>TRAP BAG REMOVAL 5172 L.F. of Trap Bags shall be removed from Interstate 29 (I29) at the following locations:</p> <p>Northbound Outside Shoulder Of I29 MP 77.8 to MP 78.25</p> <p>Northbound Inside Shoulder Of I29 MP 77.8 to MP 77.9</p> <p>Southbound Outside Shoulder Of I29 MP 77.8 to MP 78.25</p> <p>Aggregate from the trap bags shall be salvaged and hauled to the NB and SB abandoned weigh scales: 3020 Ton to be stockpiled at the abandoned NB Weigh Scale near MP 73 2566 Ton to be stockpiled at the abandoned SB Weigh Scale near MP 73</p> <p>All other materials from the trap bags shall be disposed of as per Standard Note 213-1. Trap Bags may need to be shaken to obtain all aggregate from the bags. Hauling costs shall be reflected in the bid item for Delivery and Stockpile Salvage Materials, Granular Material.</p> <p>Following Trap Bag removal; broom and wash surface of pavement and paved shoulders by mechanical means to ensure foreign material is removed. Material removed may be disposed of in the adjacent ditch.</p> <p>Method of Measurement: The Engineer shall measure the lineal feet of trap bags removed. Basis of Payment: The contractor will be paid for the lineal feet of trap bags removed. This will be full compensation for retrieving the aggregate from the trap bags, brooming the pavement, providing wash water (including pumping and transportation to the project), washing the paved surfaces, and disposing of excess trap bag material.</p>

TABULATION OF SPECIAL EVENTS

Event	Location	Date
None provided.		

TRAFFIC CONTROL PLAN

1. Traffic will be maintained at all times on I29.
2. Trucks shall enter and exit the work sites in the same direction as the flow of traffic.
3. Trucks delivering crash cushion devices and granular material to the respective storage areas will not be able to use existing median crossovers.
4. Contractor shall give the DOT 48 hours notice before closing a lane of NB or SB I29.

STAGING NOTES

It is not the intent of the sequence of construction to confine the Contractor's activities to the area of suggested stages alone. It is understood that some of the various steps, though listed in the numerical order, may occur simultaneously. Therefore, the Contractor may conduct several operations concurrently on the project, provided that the existing traffic is maintained and that these operations do not conflict with the staging indicated here in.

It is recognized that as various activities related to the construction progress, certain situations may arise which will preclude adhering to the original construction sequence or, which in the opinion of the Contractor, would readily adhere itself to a more efficient staging operation. Should this occur, and the Contractor desires to deviate from the original plan, they shall submit an alternate plan for approval by the Engineer.

STAGE 1

TRAFFIC:
NB I29 traffic in outside NB lanes.

CONSTRUCTION:
Remove all trap bags from NB inside shoulder of I29 between mile post 77.8 and mile post 77.9.

STAGE 2

TRAFFIC:
NB I29 traffic in inside NB lane.

CONSTRUCTION:
Remove all trap bags from NB outside shoulder of I29 between mile post 77.8 and mile post 78.25.

Stage 3

TRAFFIC:
SB I29 traffic in inside SB lanes.

CONSTRUCTION:
Remove all trap bags from SB outside shoulder of I29 between mile post 77.8 and mile post 78.25.

Upon completion of this project I29 traffic will be back in their respective NB and SB lanes.