



County of Union, Illinois
Office of the Chief Information Officer
309 W. Market—Room 115
Jonesboro, IL 62952

Rollie Hawk, CIO
(618) 925-2470
cio@unioncountyil.gov
@unioncountycio

June 30, 2016

[sent via email]

Michael J. Nester
Donovan Rose Nester, P.C.
201 South Illinois Street
Belleville, IL 62220

mnester@drnpc.com

Mr. Nester:

Please consider this our response to your attached Freedom of Information Act request, received via email on June 23, 2016 and summarized below:

- 1. Any public records that evidence, reference, survey, or relate to the purchase, installation, performance, replacement or ownership of guardrail end terminal systems, including the ET Plus System, installed on the roads and highways of Illinois from 2005 to the present.*
- 2. Any public records that evidence, reference, survey, or relate to the payment and/ or reimbursement by federal, state, city, county, or other funds of the purchase or installation of ET Plus guardrail end terminal systems installed on the roads and highways of Illinois from 2005 to the present.*
- 3. Any public records showing information that the County provided or made available to the FHWA in response to the FHWA's Request for Information, ET-Plus Guardrail End Terminal, Docket No. FHWA-2014-0039 (Dec. 18, 2014), sometimes referred to as "Task Force Two."*
- 4. Any public records that evidence, reference, survey, or relate to the criteria, factors, or features considered in deciding which guardrail end terminal systems to approve for use on the roads and highways of Illinois from 2005 to the present, including any criteria, factors, or features considered in deciding which guardrail end terminal systems to include on any approved or qualified products lists.*
- 5. Any public records that evidence, reference, survey, or relate to the criteria, factors, or features considered in deciding which guardrail end terminal systems to purchase for use on road or highway projects in Illinois from 2005 to the present.*

Please find attached documents responsive to your request from Union County Highway Engineer Kevin Grammer.

We feel this completes your request. If I may be of further assistance, please let me know.

Sincerely,

Rollie Hawk, Chief Information Office

Cc: Tyler Edmonds, State's Attorney
Kevin Grammer, Highway Engineer

MICHAEL J. NESTER
KRISTINE M. MACK
CHI-YONG THROCKMARTIN
BRENDAN M. NESTER*
JASON M. GOURLEY
SEAN K. CRONIN

Licensed in Illinois and Missouri
*Licensed in Illinois Only

DONOVAN ROSE NESTER, P.C.
ATTORNEYS AT LAW
201 SOUTH ILLINOIS STREET
BELLEVILLE, ILLINOIS
62220

TELEPHONE
618 212-6500
FAX
618 212-6501
E-MAIL
frn@drnpc.com

HAROLD A. DONOVAN
(1924-1994)
VINCENT J. HATCH
(1917-1992)
DENNIS E. ROSE
(Retired)

June 23, 2016

Re: FOIA Request

To Whom It May Concern:

Pursuant to the Illinois Freedom of Information Act, 5 ILCS 10/1, et seq., and the Open Meetings Act, 5 ILCS 120/1, et seq., this letter is a request for a copy of all public records as defined by 5 ILCS 140/2(c), in your possession that fall within the categories listed below. If you are not the correct FOIA Officer to respond to this request, please forward same to the appropriate FOIA Officer and advise of the identity of the FOIA Officer with whom I should be communicating regarding this request. Any records responsive to these requests should, if possible, be produced on CD, DVD or flash drive in their native electronic format (i.e., Microsoft Word, Microsoft Excel, jpeg, jpg, etc.) with corresponding metadata and formulas preserved.

The records requested are as follows:

1. Any public records that evidence, reference, survey, or relate to the **purchase, installation, performance, replacement or ownership** of guardrail end terminal systems, including the ET Plus System, installed on the roads and highways of Illinois from 2005 to the present.
2. Any public records that evidence, reference, survey, or relate to the payment and/or reimbursement by federal, state, city, county, or other funds of the purchase or installation of ET Plus guardrail end terminal systems installed on the roads and highways of Illinois from 2005 to the present.
3. Any public records showing information that the County provided or made available to the FHWA in response to the FHWA's Request for Information, ET-Plus Guardrail End Terminal, Docket No. FHWA-2014-0039 (Dec. 18, 2014), sometimes referred to as "Task Force Two."
4. Any public records that evidence, reference, survey, or relate to the criteria, factors, or features considered in deciding which guardrail end terminal systems to approve for use on the roads and highways of Illinois from 2005 to the present, including any

June 23, 2016
Page Two

criteria, factors, or features considered in deciding which guardrail end terminal systems to include on any approved or qualified products lists.

5. Any public records that evidence, reference, survey, or relate to the criteria, factors, or features considered in deciding which guardrail end terminal systems to purchase for use on road or highway projects in Illinois from 2005 to the present.

Please apprise me of all charges permitted by law.

In addition, pursuant to 5 ILCS 140/3.5, please provide the list of documents or categories of records that you are required to maintain, and pursuant to 5 ILCS 140/5, the current list of all types or categories of records under your control.

If you have any questions regarding this request or would like to discuss the scope or process of gathering the requested records, then please contact me at 618.212.6500. If I am not available, please ask for Meg Schlatweiler.

Very truly yours,

DONOVAN ROSE NESTER, P.C.

BY /s/ Michael J. Nester
MICHAEL J. NESTER

MJN:mb

DONOVAN ROSE NESTER, P.C.

ATTORNEYS AT LAW
201 SOUTH ILLINOIS STREET
BELLEVILLE, ILLINOIS
62220

TELEPHONE
618 212-6500
FAX
618 212-6501
E-MAIL
firm@drnpc.com

MICHAEL J. NESTER
KRISTINE M. MACK
CHI-YONG THROCKMARTIN
BRENDAN M. NESTER*
JASON M. GOURLEY
SEAN K. CRONIN

HAROLD A. DONOVAN
(1924-1994)
VINCENT J. HATCH
(1917-1992)
DENNIS E. ROSE
(Retired)

Licensed in Illinois and Missouri
*Licensed in Illinois Only

June 24, 2016

RE: Addendum to FOIA Request

The following will serve as an Addendum to the FOIA Request previously submitted to you.

The Addendum is presented to you as a result of several inquiries concerning the scope of the original FOIA request. Thus, this is an attempt to provide further definition concerning the request and hopefully, eliminate, or at least alleviate, the concerns expressed.

In light of the foregoing, the initial FOIA request is modified as follows:

- 1) Request No. 1 is limited to ET-Plus documents. Documents pertaining to products other than the ET-Plus are limited to: (1) any accidents or problems associated with competitor end terminals and (2) any documents related to the cost of removing and replacing ET-Plus systems with a competitor end terminal;
- 2) Full or complete road surveys are not required. Please produce documents related to the end terminals only;
- 3) Please be advised that you may respond no later than July 8, 2016.
- 4) With reference to state or federal projects in your county, it is my understanding that the county receives a bid from the contractor who thereafter identifies each component to be utilized pursuant to the approved list of parts in the manual published by the Illinois Department of Transportation. In addition, after completion of the project, the Illinois Department of Transportation issues payment to the contractor and invoices the county. Accordingly, documents in the county's possession do not reflect whether the contractor utilized a Trinity product, or a product of another manufacturer. Please confirm, **in writing**, that I am correct in this regard. If so, you do not need to produce documents with reference to state and federal projects in your county.

June 24, 2016
Page Two

Hopefully, the aforementioned provides further clarification and definition to the original FOIA request.

Very truly yours,

DONOVAN ROSE NESTER, P.C.

BY /s Michael J. Nester
MICHAEL J. NESTER

MJN:mb

Union County Highway Department
306 Mississippi Street
Jonesboro, IL 62952
Phone (618)833-2912
Fax (618)833-2113

June 27, 2016

Mr. Michael J. Nester
Donovan Rose Nester, P.C.
201 South Illinois Street
Belleville, IL 62220

Dear Mr. Nester,

This is in response to your June 23, 2016 FOIA request and June 24, 2016 Addendum. Union County is a County Unit form of government. We have no townships. Therefore, this response is for Union County as a whole. We offer the following:

1. Union County has 14 installations of this type on our system. Two were installed under Contract Number 99352 and twelve were installed under Contract Number 99139. All supporting documents requested are included for Contract Number 99352.
PLEASE NOTE - Limited supporting documents requested are included for Contract Number 99139. 99139 is currently undergoing a routine IDOT audit in the District 9 - Carbondale office. Therefore, the records are not in my possession. It is likely that this audit will take several months. I have included what records that I do have.
2. Contract prices are included for Contract Number 99352. See above for Contract Number 99139.
3. There were no records submitted to the FHWA as part of "Task Force Two" that I am aware of.
4. The decision as to which guardrail system to install lies with the Contractor based on price, availability, ease of installation, etc. The systems are chosen from an approved list of systems published by the Illinois Department of Transportation. Upon completion of the contract, IDOT issues payment to the contractor and invoices the County for their portion.
5. The decision as to which guardrail system to install lies with the Contractor based on price, availability, ease of installation, etc. The systems are chosen from an approved list of systems published by the Illinois Department of Transportation.

Please let me know if you need anything else.

Sincerely,

A handwritten signature in blue ink that reads "Kevin Grammer". The signature is written in a cursive style with a large initial "K" and "G".

Kevin Grammer
Union County Highway Engineer

091-3229

RECEIVED
OCT 15 2009
DEPT. OF TRANSPORTATION
CARBON DIOXIDE DISTRICT 3

15-10 Letting, Item 044

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 9901	06-01186-00-BR	UNION	10	1
PROJECT NO. ARA-0181(048)		CONTRACT NO. 99352		

AMERICAN RECOVERY AND REINVESTMENT ACT OF 2009

FAU ROUTE 9901 (KRATZINGER HOLLOW ROAD)

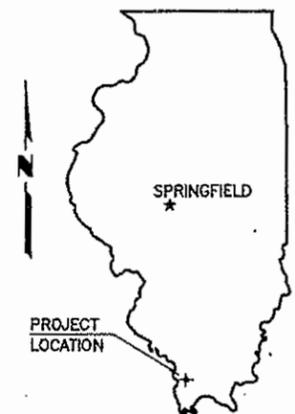
SECTION 06-01186-00-BR

PROJECT NO. **ARA-0181(048)**

JOB NO. C-99-510-09

GREEN CREEK

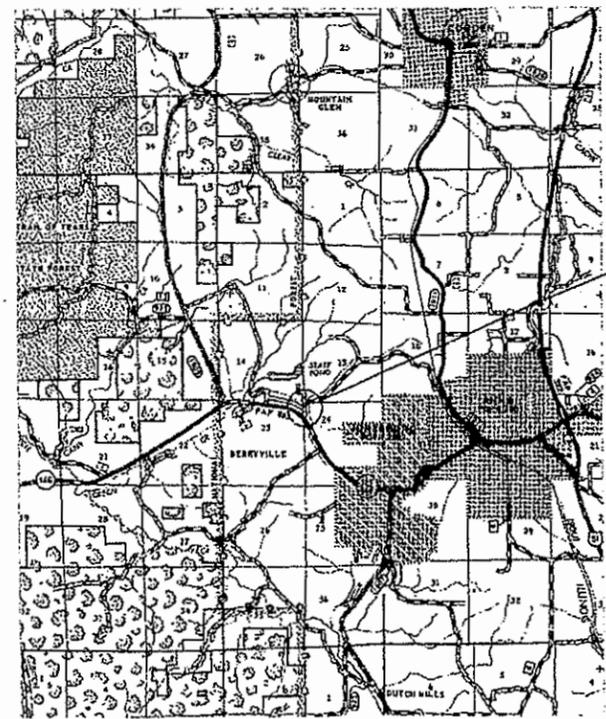
UNION COUNTY



SUMMARY OF QUANTITIES

CODE NO.	PAY ITEM	UNIT	TOTAL
20200100	EARTH EXCAVATION	CU YD	16
20300100	CHANNEL EXCAVATION	CU YD	56
20400100	BORROW EXCAVATION	CU YD	243
25000200	SEEDING CLASS 2	ACRE	0.2
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	18
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	18
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	18
25000700	AGRICULTURAL GROUND LIMESTONE	TON	0.4
25100120	MULCH, METHOD 2	TON	0.4
28100809	STONE DUMPED RIPRAP, CLASS A5	TON	205
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	119
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50105220	PIPE CULVERT REMOVAL	FOOT	24
50200100	STRUCTURE EXCAVATION	CU YD	64
50300225	CONCRETE STRUCTURES	CU YD	16.8
50300280	CONCRETE ENCASEMENT	CU YD	2.7
50400405	PRECAST PRESTRESSED CONCRETE DECK BEAMS (21" DEPTH)	SQ FT	1,392
50800105	REINFORCEMENT BARS	POUND	2,252
Δ 50900205	STEEL RAILING, TYPE S1	FOOT	118
51201400	FURNISHING STEEL PILES HP10X42	FOOT	172
51202305	DRIVING PILES	FOOT	172
51203400	TEST PILE STEEL HP10X42	EACH	1
51204650	PILE SHOES	EACH	8
51500100	NAME PLATES	EACH	1
54200223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	22
Δ 63000002	STEEL PLATE BEAM GUARD RAIL, TYPE A 6.75 FOOT POSTS	FOOT	75
Δ 63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	2
*Δ 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2
67100100	MOBILIZATION	L SUM	1
*Δ 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4

* SEE SPECIAL PROVISIONS Δ SPECIALITY ITEMS



LOCATION MAP

SCALE: 1" = 2 MILES

NET LENGTH OF IMPROVEMENT = 365.00 FT. = 0.0691 MILES

INDEX OF SHEETS

- COVER SHEET
 - PLAN AND PROFILE
 - GENERAL PLAN AND ELEVATION
 - 21" X 48" PPC DECK BEAM
 - 21" X 48" PPC DECK BEAM DETAILS
 - ABUTMENT
 - STEEL RAILING, TYPE S-1
 - NAME PLATES
 - PILING DETAILS
 - CROSS SECTIONS
- STANDARDS 000001-05' STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
 280001-05 TEMPORARY EROSION CONTROL SYSTEMS
 630301-05 SHOULDER WIDENING FOR TYPE 1, (SPECIAL) GUARDRAIL TERMINALS
 635006-03 REFLECTOR AND TERMINAL MARKER PLACEMENT
 701901-01 TRAFFIC CONTROL DEVICES
 BLR 21-8 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
 BLR 26-2 STEEL PLATE BEAM GUARD RAIL 27 1/2" HEIGHT
 BLR 27-1 TRAFFIC BARRIER TERMINAL TYPE 5A

CLASSIFICATION : COLLECTOR (URBAN)
ADT : 200
DESIGN SPEED : 30 MPH

CONTRACT NO. 99352

E. MILLER ENGINEERING, INC.
CONSULTING ENGINEERS
HARRISBURG, ILLINOIS



Edward W. Miller
Edward W. Miller
PROFESSIONAL ENGINEER
#062-025277

EXPIRES NOV. 30, 2011

CALL 811 OR
1-800-892-0123



UNION COUNTY	
Approved	<i>Thyrin Grammer</i> August 10, 2009 Union County Engineer
Passed	<i>Richard W. Malcher</i> Oct 14, 2009 District 9 Engineer of Local Roads and Streets
Releasing for Bid Based on Limited Review	<i>Mary C. Lewis</i> 10/14-09 Deputy Director of Highways, Region 5 Engineer Illinois Department of Transportation

As BUILT

COUNTY 181 DISTRICT 09
 SECTION 06-01186-00-BR
 ROUTE FAU 9901
 CONTRACT 99352
 JOB NO C-99-510-09
 PROJECT ARA-0181/048/000

CONTRACTOR Perry County Construction
 ADDRESS P.O. Box 396
Herrin, IL 62948
 PHONE NO. (618) 942-6901

IF FOUND PLEASE RETURN TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION

ADDRESS: P.O. Box 100
Carbondale, IL 62903-0100

RESIDENT Kevin Grammet

ELMSO20:DTGB2394:ELMRO94D
 04/09/10 22:35:17
 LETTING TYPE: SCHEDULED
 RESPONSIBLE BUREAU: LOC RDS
 PROJECT NUMBER: ARA-0181/048/000
 ROUTE: FAU 9901
 PPS NUMBER(S): 9-10335-0000

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DETAIL ESTIMATE

PAGE 2
 LETTING DATE: 01/15/2010
 CONTRACT/JOB: 99352/
 LETTING ITEM: 044

SECTION: 06-01186-00-BR

STATE JOB NBR: C-99-510-09

COUNTY: 181 - UNION

FUND: C200 AREA: U SEQ: 01 CONST: X080 SAFETY: 2A

PAY ITEM NBR	PAY ITEM DESCRIPTION	QUANTITY	UNIT OF MEASURE	UNIT PRICE	TOTAL PAY ITEM AWARD PRICE
51204650	PILE SHOES	8.000	EACH	125.0000	1,000.00
51500100	NAME PLATES	1.000	EACH	300.0000	300.00
542D0223	P CUL CL D 1 18	22.000	FOOT	22.0000	484.00
63000002	SPBGR TY A 6.75 POSTS	75.000	FOOT	31.0000	2,325.00
63100075	TRAF BAR TERM T5A	2.000	EACH	850.0000	1,700.00
63100167	TR BAR TRM T1 SPL TAN	2.000	EACH	2,800.0000	5,600.00
67100100	MOBILIZATION	1.000	L SUM	7,000.0000	7,000.00
78201000	TERMINAL MARKER - DA	4.000	EACH	35.0000	140.00
FUND/AREA/SEQ/CONST/SFTY TOTAL					116,096.00
COUNTY TOTAL					116,096.00
PROJECT TOTAL					116,096.00
CONTRACT TOTAL					116,096.00

Trinity Highway Products, LLC
550 East Robb Ave.
Lima, OH 45801



Customer: J A D CONSTRUCTION INC
P O BOX 68

Sales Order: 1126788
Customer PO: 99352
BOL # 55846
Document # 1

Print Date: 5/26/10
Project: UNION COUNTY # 99352 PERRY CO
Shipped To: IL
Use State: IL

SHUMWAY, IL 62461

Trinity Highway Products, LLC

Certificate Of Compliance For Trinity Industries, Inc. ** E.T. PLUS EXTRUDER TERMINAL **

NCHRP Report 350 Compliant

Pieces	Description
2	12/25/6'3/S
2	ET'S 12/25/6'3/S ET-2000 ANC
2	ET-PLUS EXTRUDER HEAD
2	CBL 3/4X6'6'/DBL SWG/NOHWD
12	WD BLK RTD 6X8X14
1	REFL SHT 13X27.5 Y/B RT
1	REFL SHT 13X27.5 Y/B LT
14	6'0 PST/8.5#/SYTP
2	ET+CAN-50',12'6 HBA/SYTP
2	SYT-3" AN STRT 3-HL 6'6
2	ET HBA P1 TOP X 2-8 3/4
2	ET HBA P1-2 BTM X 6-1 1/2

Upon delivery, all materials subject to Trinity Highway Products, LLC Storage Stain Policy No. LG-002.

ALL STEEL USED WAS MELTED AND MANUFACTURED IN USA AND COMPLIES WITH THE BUY AMERICA ACT
ALL GUARDRAIL MEETS AASHTO M-180, ALL STRUCTURAL STEEL MEETS ASTM A36
ALL OTHER GALVANIZED MATERIAL CONFORMS WITH ASTM-123.
BOLTS COMPLY WITH ASTM A-307 SPECIFICATIONS AND ARE GALVANIZED IN ACCORDANCE WITH ASTM A-153, UNLESS OTHERWISE STATED.
NUTS COMPLY WITH ASTM A-563 SPECIFICATIONS AND ARE GALVANIZED IN ACCORDANCE WITH ASTM A-153, UNLESS OTHERWISE STATED.
3/4" DIA CABLE 6X19 ZINC COATED SWAGED END AISI C-1035 STEEL ANNEALED STUD 1" DIA ASTM 449 AASHTO M30, TYPE II BREAKING
STRENGTH - 49100 LB

State of Ohio, County of Allen. Sworn and Subscribed before me this 26th day of May, 2010

Notary Public: *Sherril L. Donoff/Mann*
Commission Expires 4/20/2014

Trinity Highway Products, LLC

Certified By: *[Signature]*
Quality Assurance



06-13-14 LETTING ITEM 218

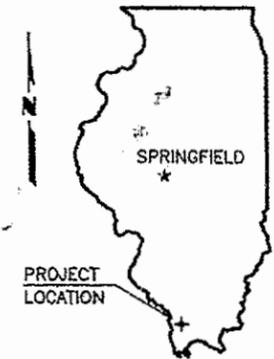
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED

TRUCK

SURFACE TRANSPORTATION PROGRAM

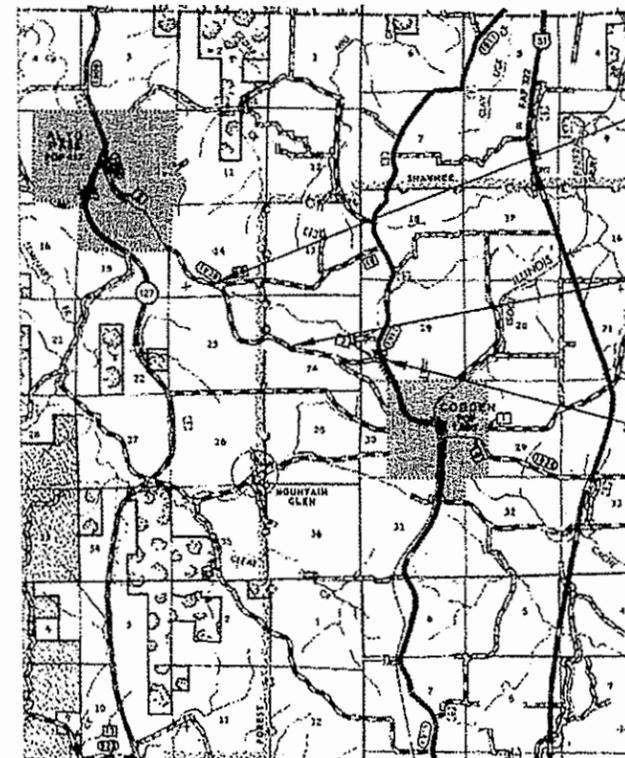
FAS ROUTE 1928 (SKYLINE DRIVE)
SECTION 99-00088-00-RS
PROJECT NO. SR-1928(101)
JOB NO. C-99-099-00

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 1928	99-00088-00-RS	UNION	22	1
PROJECT NO. SR-1928(101)			CONTRACT NO. 99139	



UNION COUNTY

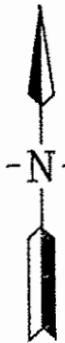
SEE SHEET 2 FOR INDEX OF SHEETS



END IMPROVEMENT
STATION 152+00

EQ. STATION 78+73.40 BK. +10.03
= STATION 78+63.37 AH.

BEGIN IMPROVEMENT
STATION 27+01.8



CLASSIFICATION : COLLECTOR
ADT : 1450
DESIGN SPEED : 50 MPH

CONTRACT NO. 99139



4/11/14

Edward W. Miller
PROFESSIONAL ENGINEER
#062-025277
EXPIRES NOV. 30, 2015

E. MILLER ENGINEERING, INC.
CONSULTING ENGINEERS
HARRISBURG, ILLINOIS

LOCATION MAP

SCALE: 1" = 2 MILES

NET LENGTH OF IMPROVEMENT = 12,508.23 FT. = 2.3690 MILES

ILLINOIS DEPARTMENT OF TRANSPORTATION	
Approved	<u>April 11, 2014</u> <i>Kevin Grammer</i> Union County Engineer
Passed	<u>April 15, 2014</u> <i>Dennis W. Hillabrand</i> District 9 Engineer of Local Roads and Streets
Releasing for Bid Based on Limited Review	<u>April 15, 2014</u> <i>Jeffrey L. Kerin</i> Deputy Director of Highways, Region 5 Engineer

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 1928	99-00088-00-RS	UNION	22	2
PROJECT NO. SR-1928 (101)			CONTRACT NO. 99139	

SUMMARY OF QUANTITIES

<u>CODE NO.</u>	<u>PAY ITEM</u>	<u>UNIT</u>	<u>TOTAL</u>
X5000015*	REMOVE AND RE-INSTALL PIPE CULVERTS	FOOT	17
20200100	EARTH EXCAVATION	CU YD	3,760
20200200	ROCK EXCAVATION	CU YD	270
20400100	BORROW EXCAVATION	CU YD	4,040
20800150	TRENCH BACKFILL	CU YD	64
25000200	SEEDING, CLASS 2	ACRE	5.2
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	468
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	468
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	468
25000700	AGRICULTURAL GROUND LIMESTONE	TON	10.4
25100115	MULCH, METHOD 2	ACRE	5.2
25100630	EROSION CONTROL BLANKET	SQ YD	7,150
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	520
28000315	AGGREGATE DITCH CHECKS	TON	510
28000400	PERIMETER EROSION BARRIER	FOOT	4,520
28000500	INLET AND PIPE PROTECTION	EACH	6
28100807	STONE DUMPED RIPRAP, CLASS A4	TON	20
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	110
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	770
40600300	AGGREGATE (PRIME COAT)	TON	12
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	760
40603090	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	11,570
40603320	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N90	TON	2,800
48101200	AGGREGATE SHOULDERS, TYPE B	TON	2,790
50104400	CONCRETE HEADWALL REMOVAL	EACH	11
50105220	PIPE CULVERT REMOVAL	FOOT	17
50800105	REINFORCEMENT BARS	POUND	970
54002050	EXPANSION BOLTS 3/4 INCH X 9 INCH	EACH	12
54003000	CONCRETE BOX CULVERTS	CU YD	5.9
542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	FOOT	90
542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	46
542A1063	PIPE CULVERTS, CLASS A, TYPE 2 18"	FOOT	116
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	558
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	28
542D0229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	28
Δ 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	150
Δ 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	12
Δ 63200310	GUARDRAIL REMOVAL	FOOT	50
Δ 63301210	REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	1,012.5
67100100	MOBILIZATION	L SUM	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1,252
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	45,670
Δ 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	45,670

* SEE SPECIAL PROVISIONS

Δ SPECIALTY ITEMS

INDEX OF SHEETS

1. COVER SHEET
2. SUMMARY OF QUANTITIES & INDEX OF SHEETS
3. TYPICAL SECTIONS
- 4.-8. PLAN & PROFILE
- 9.-10. EROSION CONTROL PLAN
11. MISCELLANEOUS DETAILS
12. ENTRANCE & SIDE ROAD DETAILS
13. BOX CULVERT EXTENSION - STA. 78+38 RT.
14. BOX CULVERT EXTENSION - STA. 89+83 RT.
- 15.-22. CROSS SECTIONS
 - STANDARDS 280001-07 TEMPORARY EROSION CONTROL
 - 630001-10 STEEL PLATE BEAM GUARD RAIL
 - 630301-06 SHLDR WIDENING FOR TY 1 (SP) TERMINALS
 - 701001-02 TRAFFIC CONTROL
 - 701006-05 TRAFFIC CONTROL
 - 701011-04 TRAFFIC CONTROL
 - 701201-04 TRAFFIC CONTROL
 - 701206-03 TRAFFIC CONTROL
 - 701301-04 TRAFFIC CONTROL
 - 701306-03 TRAFFIC CONTROL
 - 701311-03 TRAFFIC CONTROL
 - 701901-03 TRAFFIC CONTROL DEVICES
 - 780001-04 TYPICAL PAVEMENT MARKINGS
 - BLR-21-9 TYP APPLICATION OF TRAF CONTR DEVICES
 - BLR-24-2 MAILBOX TURNOUT

SUMMARY OF QUANTITIES
& INDEX OF SHEETS
FAS ROUTE 1928
SECTION 99-00088-00-RS
PROJECT NO. SR-1928 (101)
JOHNSON COUNTY