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| FILE NAME * ...General\0468620-shr-index.dgn | DESIGNED - DRAWN - | REVISED - 10/23/12 JNR |  | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | | INDEX OF SHEETS | | | | F.A.I. R.T.E. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| USER NAME * jreanbi1o | CHECKED - | REVISED - | | | | | | | | 80-114R(14HB-4,14,14HVB)R | TAZEWELL | 2433 | 2 | |
| PLDT DATE = 10/22/2012 | DATE - JULY 20, 2012 | REVISED - | | SCALE: | SHEET NO. | OF SHEETS | STA. | TO STA. | CONTRACT NO. 68620 ILLINOIS FED. AID PROJECT | | | | | |

GENERAL NOTES

SOIL REPORT AVAILABILITY

ALL SOILS DATA COLLECTED AND PROCESSED FOR THE SOILS REPORT MADE IN CONJUNCTION WITH THE DESIGN OF THIS IMPROVEMENT IS ON FILE AT THE DISTRICT OFFICE WHERE IT IS AVAILABLE FOR INSPECTION BY CONTRACTORS OR PROSPECTIVE BIDDERS. BY SUBMITTING A BID, THE CONTRACTOR ACKNOWLEDGES THAT THE SOILS REPORT HAS BEEN MADE AVAILABLE AND IS AWARE OF THE REPORT CONTENTS AND APPENDICES.

AVAILABILITY OF ELECTRONIC FILES

MICROSTATION AND GEOPAK FILES OF THIS PROJECT WILL BE MADE AVAILABLE TO THE CONTRACTOR. IF THERE IS A CONFLICT BETWEEN THE ELECTRONIC FILES AND THE PRINTED CONTRACT PLANS AND DOCUMENTS, THE PRINTED CONTRACT PLANS AND DOCUMENTS SHALL TAKE PRECEDENCE OVER THE ELECTRONIC FILES. THE CONTRACTOR SHALL ACCEPT ALL RISK ASSOCIATED WITH USING THE ELECTRONIC FILES AND SHALL HOLD THE DEPARTMENT HARMLESS FOR ANY ERRORS OR OMISSIONS IN THE ELECTRONIC FILES AND THE DATA CONTAINED THEREIN. ERRORS OR DELAYS RESULTING FROM THE USE OF THE ELECTRONIC FILES BY THE CONTRACTOR SHALL NOT RESULT IN AN EXTENSION OF TIME FOR ANY INTERIM OR FINAL COMPLETION DATE OR SHALL NOT BE CONSIDERED CAUSE FOR ADDITIONAL COMPENSATION. THE CONTRACTOR SHALL NOT USE, SHARE, OR DISTRIBUTE THESE ELECTRONIC FILES EXCEPT FOR THE PURPOSE OF CONSTRUCTING THIS CONTRACT. ANY CLAIMS BY THIRD PARTIES DUE TO USE OR ERRORS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL INCLUDE THIS DISCLAIMER WITH THE TRANSFER OF THESE ELECTRONIC FILES TO ANY OTHER PARTIES AND SHALL INCLUDE APPROPRIATE LANGUAGE BINDING THEM TO SIMILAR RESPONSIBILITIES.

UTILITIES - LOCATIONS/INFORMATION ON PLANS

THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED. UNLESS ELEVATIONS ARE SHOWN --- ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.

TREE REMOVAL - UTILITY RELOCATION

TREE REMOVAL MAY BE NECESSARY PRIOR TO UTILITY COMPANIES BEING ABLE TO RELOCATE THEIR FACILITIES OUTSIDE THE CONSTRUCTION LIMITS. THE CONTRACTOR SHOULD COORDINATE ANY CONTRACT TREE REMOVAL ACTIVITIES WITH THE UTILITY COMPANIES TO ELIMINATE CONFLICTS AND POTENTIAL DELAYS CAUSED BY UTILITY TREE REMOVAL ACTIVITIES OR INCOMPLETE UTILITY RELOCATIONS.

PLAN ELEVATIONS - U.S.C.S. MEAN SEA LEVEL DATUM

ALL ELEVATIONS SHOWN REFER TO U.S.C.S. DATUM AT MEAN SEA LEVEL UNLESS OTHERWISE NOTED.

PROPERTY OWNER ACCESS REQUIREMENT

ACCESS MUST BE MAINTAINED TO ALL EXISTING PROPERTIES DURING CONSTRUCTION PER ARTICLE 107.09 UNLESS ARRANGEMENTS ARE MADE IN WRITING BY THE CONTRACTOR WITH THE PROPERTY OWNERS WITH A COPY TO THE ENGINEER FOR SHORT-TERM CLOSURES.

CONSECUTIVE SIDE STREET (ROAD) CLOSURE - PROHIBITED

- NO TWO CONSECUTIVE SIDE STREETS (ROADS) MAY BE CLOSED AT THE SAME TIME DURING CONSTRUCTION. THE CONTRACTOR MUST ALTERNATE STREETS (ROADS).
- ADJACENT SIDE ROADS WILL NOT BE CLOSED SIMULTANEOUSLY. BLR STANDARD 21 SHALL BE USED FOR ALL LOCAL ROAD CLOSURES WITHOUT ANY ENTRANCES WITHIN THE CLOSED AREA. BLR STANDARD 22 CAN BE USED WHERE IT IS NECESSARY TO ALLOW LOCAL TRAFFIC ACCESS.

CLEARING

AT LOCATIONS WHERE CLEARING IS INDICATED ON THE PLANS BEYOND THE LIMITS OF THE PROPOSED EXCAVATION OR EMBANKMENT, THE CONTRACTOR SHALL RESTORE THE DISTURBED EARTH BY BLADING AND SHAPING TO BLEND WITH THE ADJACENT GROUND. THE CLEARING WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE EXCAVATION PAY ITEMS IN THE PLANS. PAYMENT FOR RESEEDING OR RESODDING WILL BE AS PROVIDED IN THE PLANS.

TREE REMOVAL

THE DISTRICT FOUR TREE COMMITTEE SHOULD BE CONTACTED AND PRIOR APPROVAL OBTAINED FOR ANY TREE REMOVAL BEYOND THE LIMITS/LOCATIONS INCLUDED IN THE PLANS.

EARTH EXCAVATION - INCIDENTAL TO CURB, GUTTER & DRIVEWAY

EARTH EXCAVATION AND BACKFILL FOR PROPOSED CURB AND GUTTERS AND DRIVEWAY PAVEMENTS SHALL BE INCLUDED IN THE UNIT COST OF THE VARIOUS ITEMS.

ENVIRONMENTAL REVIEWS

PRIOR TO THE USE OF ANY PROPOSED BORROW AREAS, USE AREAS (TEMPORARY ACCESS ROADS, DETOURS, RUN-AROUNDS, ETC.) AND/OR WASTE AREAS, THE CONTRACTOR SHALL FILE THE REQUIRED ENVIRONMENTAL RESOURCE REQUEST SURVEYS ACCORDING TO SECTION 107.22 OF THE STANDARD SPECIFICATIONS. THESE SURVEYS ARE REQUIRED IN ORDER FOR THE DEPARTMENT TO CONDUCT CULTURAL AND BIOLOGICAL RESOURCE SURVEYS FOR THE PROPOSED SITE.

PRIOR TO ANY WASTE MATERIALS BEING REMOVED FROM THE CONSTRUCTION SITE THE REQUIRED ENVIRONMENTAL RESOURCE SURVEYS WILL NEED TO BE OBTAINED AND FILED BY THE CONTRACTOR. EXCESS WASTE PRODUCTS REMOVED FROM THE CONSTRUCTION SITE SHALL BE DISPOSED OF AS REQUIRED IN SECTION 202.03 OF THE STANDARD SPECIFICATIONS.

ANY PROTRUDING METAL BARS SHALL BE REMOVED PRIOR TO THE DISPOSAL OF BROKEN CONCRETE AT APPROVED DISPOSAL SITES.

THE REQUIRED ENVIRONMENTAL RESOURCE DOCUMENTATION SHALL INCLUDE THE FOLLOWING:

BDE FORM 2289 (ENVIRONMENTAL SURVEY REQUEST)

A LOCATION MAP SHOWING THE SIZE LIMITS AND LOCATION OF THE USE AREA SIGNED PROPERTY OWNER AGREEMENT FORM - D4 P10100
COLOR PHOTOGRAPHS DEPICTING THE USE AREA
BORROW AREA ENTRY AGREEMENT FORM - D4 P10101

SEEDING - SIDESLOPE RIPPING

ALL SLOPES STEEPER THAN 3 TO 1 AND OVER 15 FT. (4.5 M) IN HEIGHT SHALL BE RIPPED. THIS SHALL CONSIST OF RIPPING BETWEEN 18 INCHES TO 24 INCHES (450 MM TO 600 MM) DEEP NORMAL TO THE SLOPE. THE INTERVAL OF RIPPING ALONG THE SLOPE SHALL BE 12 FT. (3.6 M). THIS WORK SHALL BE DONE AFTER THE SEED BED HAS BEEN PREPARED BUT BEFORE ANY FERTILIZER OR SEED HAS BEEN APPLIED. THE FERTILIZER AND SEED SHALL BE APPLIED WITHIN A 24-HOUR PERIOD AFTER THE RIPPING HAS BEEN DONE. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE VARIOUS ITEMS OF SEEDING INVOLVED.

PAVEMENT STATION NUMBERS & PLACEMENT

THE CONTRACTOR SHALL PROVIDE LABOR AND MATERIALS REQUIRED TO IMPRINT PAVEMENT STATION NUMBERS IN THE FINISHED SURFACE OF THE PAVEMENT AND/OR OVERLAY. THE NUMBERS SHALL BE APPROXIMATELY 3/4 INCH (20 MM) WIDE, 5 INCHES (125 MM) HIGH AND 5/8 INCH (15 MM) DEEP.

THE PAVEMENT STATION NUMBERS SHALL BE INSTALLED AS SPECIFIED HEREIN: INTERVAL - 200 FEET (ENGLISH STATIONING) OR 100 METERS (METRIC STATIONING) BOTTOM OF NUMBERS - 6 INCHES (150 MM) FROM THE INSIDE EDGE OF THE PAVEMENT MARKING LOCATION:

2, 3, & 5 LANE PAVEMENTS - RIGHT EDGE OF PAVEMENT IN DIRECTION OF INCREASING STATIONS;

MULTI-LANE DIVIDED ROADWAYS - OUTSIDE EDGE OF PAVEMENT IN BOTH DIRECTIONS; AND

RAMPS - ALONG BASELINE EDGE OF PAVEMENT POSITION - STATIONS SHALL BE PLACED SO THEY CAN BE READ FROM THE ADJACENT SHOULDER FORMAT - ENGLISH (METRIC) PAVEMENT STATIONS SHALL USE THIS FORMAT "XXX (XX+X00)", WHERE X REPRESENTS THE PAVEMENT STATION THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST OF THE ASSOCIATED PAVEMENT AND/OR OVERLAY PAY ITEMS.

POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT) RATES

| SURFACE TYPE | ESTIMATED TRUCK APPLICATION RATE | RESIDUAL RATE |
|--------------------------|----------------------------------|---------------|
| MILLED (HMA OR PCC) | 0.08 GAL/SY (0.00034 TON/SY) | 0.04 GAL/SY |
| EXISTING PAVEMENT | 0.05 GAL/SY (0.00022 TON/SY) | 0.025 GAL/SY |
| FOG COAT (BETWEEN LIFTS) | 0.05 GAL/SY (0.00022 TON/SY) | 0.025 GAL/SY |

NOTE: ESTIMATED TRUCK APPLICATION RATE IS USED FOR ESTIMATING QUANTITIES.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

| | PINECREST DR. BRIDGE DECK OVERLAY 1/4" | BRIDGE DECK OVERLAY 1/2" | JEFFERSON ST. POLYMER SURFACE COURSE | JEFFERSON ST. HMA BINDER COURSE |
|----------------------|--|--------------------------|--------------------------------------|---------------------------------|
| MIX USE: | | | | |
| RAP % MAX: | 15% | 15% | 10% | 25% |
| AC/PG: | PG 64-22 | PG 64-22 | SBS OR SBR 76-22 | 64-22 |
| DESIGN AIR VOIDS: | 4.0% @ N=50 | 4.0% @ N=50 | 4.0% @ N=50 | 4.0% @ N=50 |
| MIXTURE COMPOSITION: | IL 9.5 ONLY | IL 9.5 ONLY | IL 9.5 OR 12.5 | IL 19.0 OR 12.5 |
| FRICTION AGGREGATE: | MIX E | MIX E | MIX E | N.A. |

| | STABILIZED SUBBASE | CLASS D PATCHES | PARTIAL DEPTH PATCHES |
|----------------------|--------------------|-----------------|-----------------------|
| MIX USE: | | | |
| RAP %: | Per Art. 1030 | 25% MAX | 25% MAX |
| AC/PG: | | 64-22 | 64-22 |
| DESIGN AIR VOIDS: | | 4.0% @ N=50 | 4.0% @ N=50 |
| MIXTURE COMPOSITION: | | IL 19.0 OR 12.5 | IL 9.5 OR 12.5 |
| FRICTION AGGREGATE: | | N.A. | N.A. |

ALTERNATE HMA PAVEMENT DETAIL

| | TEMPORARY I-74 RUNAROUND PAVEMENT | TEMPORARY I-155 RAMP F PAVEMENT | TEMPORARY INTERSECTION PAVEMENT PLACED BETWEEN MORTON AVE. & MORTON RAMP E | ALL OTHER TEMPORARY PAVEMENT LOCATIONS |
|----------------------|-----------------------------------|---------------------------------|--|--|
| MIX USE: | 2" HMA SURFACE COURSE | 8 3/4" HMA BASE COURSE | 10 3/4" HMA BASE COURSE | |
| RAP % MAX: | 10% | 15% | 15% | |
| AC/PG: | SBR OR SBS 76-22 | PG 64-22 | PG 64-22 | |
| DESIGN AIR VOIDS: | 4.0% @ N=90 | 4.0% @ N=90 | 4.0% @ N=90 | |
| MIXTURE COMPOSITION: | | N.A. | MIX D | |
| FRICTION AGGREGATE: | MIX E | | | |

| PRIME COAT CONVERSION FACTORS ** | | |
|----------------------------------|-------------|-------------|
| SURFACE TYPE | BIT PR COAT | AGG PR COAT |
| | (GAL/SO YD) | (LB/SO YD) |
| COLD MILLED SURFACES | 0.1 | 4 |
| EXISTING PAVEMENT | 0.05 | 4 |
| NEW HMA COURSES | 0.03 | 2 |

** PINECREST ONLY

BITUMINOUS & AGGREGATE CONVERSION FACTORS

| | |
|---------------------------|--------------|
| BITUMINOUS SURFACE COURSE | 112 lb/sy/in |
| ALL OTHER BITUMINOUS | 112 lb/sy/in |
| AGGREGATE SHOULDERS | 2.05 ton/cy |

BUTT JOINT CUTTING TIME RESTRICTION

BUTT JOINTS SHALL NOT BE MILLED MORE THAN THREE (3) DAYS PRIOR TO PLACEMENT OF THE HMA SURFACE COURSE.

PAVING SURFACE COURSE

CONTINUOUS PAVING OPERATIONS ON THE MAIN ROADWAY SHALL BE MAINTAINED AT ALL TIMES DURING THE CONSTRUCTION OF THE HOT-MIX ASPHALT SURFACE. NO INTERRUPTIONS FOR SIDE ROADS, ENTRANCES, TURN LANES, ETC. WILL BE ALLOWED.

SAW CUT - 18" (450 MM) SHOULDER REMOVAL - IN-PLACE WHEEL SAW GRINDING PERMITTED

A FULL DEPTH SAW CUT SHALL BE REQUIRED AT THE JOINT BETWEEN THE PAVEMENT THAT IS TO BE LEFT IN PLACE AND THE EXISTING SHOULDER THAT IS TO BE REMOVED. THE CONTRACTOR MAY HAVE THE OPTION OF USING A WHEEL SAW TO GRIND UP THE EXISTING SHOULDER AND LEAVE THE FINELY GROUND PIECES ON SITE UNDER THE NEW SHOULDER AND ON THE FORESLOPE, WITH THE APPROVAL OF THE ENGINEER. MAXIMUM SIZE OF PIECES SHALL BE NO MORE THAN 3" (75 MM). LARGER PIECES SHALL BE PICKED UP/REMOVED FROM THE JOBSITE. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR VARIATIONS IN ASSUMED THICKNESS. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE REMOVAL ITEMS.

ORDERING LENGTH CONFIRMATION - DRAINAGE ITEMS

THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER IN REGARD TO THE EXACT LENGTH OF THE BOX/PIPE CULVERTS, STORM SEWERS, AND/OR PIPE DRAINS REQUIRED PRIOR TO ORDERING THESE ITEMS.

EXISTING DRAINAGE PIPES CONNECTED TO NEW STRUCTURES

IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS, THE CONNECTING OF EXISTING DRAIN TILES, PIPE CULVERTS, OR STORM SEWERS TO THE PROPOSED DRAINAGE SYSTEM STRUCTURES WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCLUDED IN THE PAY ITEMS PROVIDED.

TAPER REMOVAL AT FRAME & GRATES ADJUSTED BY OTHERS

AT LOCATIONS WHERE FRAMES AND GRATES HAVE PREVIOUSLY BEEN ADJUSTED BY OTHERS AND THEY ARE SURROUNDED BY HOT-MIX ASPHALT TAPERS, THE CONTRACTOR FOR THIS CONTRACT SHALL REMOVE AND DISPOSE OF THE HOT-MIX ASPHALT TAPER MATERIAL PRIOR TO THE PLACEMENT OF THE HOT-MIX ASPHALT SURFACE COURSE. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE CONSIDERED AS INCLUDED IN THE COST OF THE HOT-MIX ASPHALT SURFACE COURSE PAY ITEM.

MEDIAN AND ISLAND NOSES

WHEN CONSTRUCTING MEDIAN AND ISLAND NOSES THE FOLLOWING CRITERIA SHOULD BE FOLLOWED:
BARRIER CURB SHALL BE USED TO CONSTRUCT NOSES WHEN THE MEDIAN OR ISLAND SURROUNDS A MAST ARM OR OTHER NON-BREAKAWAY FOUNDATION.
RAMPED NOSES SHALL BE USED ON MEDIANS OR ISLANDS WITH BREAKAWAY POSTS.

SIGN POST HOLES

VERTICAL HOLES SHALL BE CONSTRUCTED IN THE ISLAND PAVEMENT AND/OR CONCRETE MEDIAN OF THE TYPE SPECIFIED OR CONCRETE MEDIAN SURFACE 4 INCHES (100 MM). THE HOLES SHALL BE 24 INCHES (600 MM) IN DIAMETER OR 24 INCHES (600 MM) SQUARE AND THEY SHALL BE FREE OF ANY OBSTRUCTION, EXCEPT EARTH, FOR A DEPTH OF 5 FEET (1.5 M) AT THE LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. ANY HOLES NOT USED FOR THE PLACEMENT OF SIGNS SHALL BE FILLED AND COMPACTED FLUSH WITH THE TOP OF THE ISLAND PAVEMENT, CONCRETE MEDIAN OF THE TYPES SPECIFIED, OR CONCRETE MEDIAN SURFACE 4 INCHES (100 MM). THE TOP 3 INCHES (75 MM) OF SAID COMPACTED FILL SHALL CONSIST OF A HOT-MIX ASPHALT MIXTURE. ALL HOLES IN WHICH THE SIGN POSTS ARE INSTALLED AT THE TIME OF THIS CONTRACT SHALL BE SIMILARLY FILLED. THIS WORK, INCLUDING ANY REQUIRED PAVEMENT REMOVAL NECESSARY TO CONSTRUCT THE SIGN POST HOLES, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SQUARE FOOT (SQUARE METER) FOR ISLAND PAVEMENT AND/OR CONCRETE MEDIAN OF THE TYPE SPECIFIED, OR CONCRETE MEDIAN SURFACE, 4 INCHES (100 MM).

TRANSITION PAYMENT METHOD - NEW/OLD CONSTRUCTION

TEN FEET (10 FT.) (3 M) TRANSITIONS SHALL BE USED TO MATCH PROPOSED ITEMS OF WORK TO EXISTING ITEMS IN THE FIELD UNLESS OTHERWISE SHOWN. THE TRANSITION SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEM OF WORK SPECIFIED.

| | | |
|--------------------|----------------------|----------------------------|
| FILE NAME | DESIGNED - JS | REVISED - 10/23/12 KJO/MOA |
| FILE# | DRAWN - TMB | REVISED - |
| USER NAME - #USER# | CHECKED - JNR | REVISED - |
| PLOT DATE - #DATE# | DATE - JULY 20, 2012 | REVISED - |



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

SCALE: NTS SHEET NO. 1 OF 2 SHEETS STA. TO STA.

| F.A.T. R.T.E. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------|-----------------------------|----------|--------------------|-----------|
| | 90-(14R)114HB-4,14,14HV(B)B | TAZEWELL | 2433 | 5 |
| | | | CONTRACT NO. 68620 | |

GENERAL NOTES, (CONTINUED)

WOVEN WIRE FENCE REPLACEMENT COMMITMENT

THE WOVEN WIRE FENCE SHALL BE INSTALLED PRIOR TO THE REMOVAL OF THE EXISTING FARM FENCES. THE CONTRACTOR SHALL PROVIDE A PULL POST AT THE INTERSECTION OF NEW AND EXISTING FENCES. WHEN SO DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL INSTALL THE WOVEN WIRE FENCE PRIOR TO COMMENCING ANY OTHER WORK IN THE AREA. THE CONTRACTOR SHALL PERFORM ANY CLEARING AND MINOR GRADING AS DIRECTED BY THE ENGINEER TO PROVIDE A SMOOTH GROUND SURFACE FOR THE PROPOSED FENCE.

RIGHT-OF-WAY MARKERS

WHEN INSTALLING RIGHT-OF-WAY MAKERS, CARE SHALL BE TAKEN TO NOT DISTURB ANY EXISTING PROPERTY/RIGHT-OF-WAY PINS. IF A PROPERTY/RIGHT-OF-WAY PIN IS FOUND AT THE LOCATION OF A PROPOSED RIGHT-OF-WAY MARKER, THE MARKER SHALL BE PLACED ONE (1) FOOT IN FRONT OF THE PIN.

SETTING OF SECTION CORNER MONUMENTATION

ALL SECTION CORNER LOCATION ON THIS PROJECT SHALL BE LOCATED AND VERIFIED BY A LICENSED LAND SURVEYOR PRIOR TO ANY REMOVAL WORK BEING PERFORMED. THE LAND SURVEYOR SHALL LOCATE THE EXISTING SECTION CORNERS THROUGH COURTHOUSE RESEARCH, PERSONAL KNOWLEDGE OR THROUGH THE ASSISTANCE OF LOCAL FIRMS PERFORMING LAND SURVEYING IN THE AREA. IF THE SECTION CORNER DOES NOT EXIST THROUGH EITHER ITS PHYSICAL LOCATION OR THROUGH TIES IN THE FIELD IT SHALL NOT BE RESET, THERE SHALL BE NO CALCULATING OF SECTION CORNERS ONTO A PROJECT REQUIRED.

ONCE THE PAVING AND STRIPING OPERATIONS HAVE BEEN PERFORMED THE SECTION CORNER SHALL BE RESET AT THE DIRECTION OF A LICENSED LAND SURVEYOR. IF ANY DIMENSIONS HAVE BEEN CHANGED, IT SHALL BE THE RESPONSIBILITY OF THE SURVEYOR TO FILE A NEW MONUMENT RECORD IN THE APPROPRIATE COURTHOUSE.

A COPY OF ALL DRAWINGS OR MONUMENT RECORDS PRODUCED FROM THIS PROJECT SHALL BE SENT TO THE CHIEF OF SURVEYS, ILLINOIS DEPARTMENT OF TRANSPORTATION, REGION THREE/DISTRICT FOUR, PEORIA, ILLINOIS.

THE SUPPLYING, DRILLING, SETTING OF DISKS, PROFESSIONAL SERVICES, LABOR AND ANY OTHER ADDITIONAL WORK REQUIRED TO PERFORM THIS WORK SHALL BE PAID FOR UNDER PAY ITEM FOR PERMANENT SURVEY MARKERS, TYPE I.

ENGINEERS FIELD OFFICE

ADD THE FOLLOWING SENTENCE TO THE END OF PARAGRAPH 670.02 (I) AND 670.04 (E): ALL OF THE TELEPHONE LINES PROVIDED SHALL HAVE UNPUBLISHED NUMBERS.

SIGNING

SIGN LOCATIONS MAY VARY FROM THE STATIONS SHOWN ON THE PLANS IN ACCORDANCE WITH DIRECTIONS FROM THE ENGINEER AT THE TIME OF CONSTRUCTION. SIGN LOCATIONS MAY BE ADJUSTED IN THE FIELD TO AVOID ANY FOUND UTILITIES. ALL WOOD POST LOCATIONS SHALL BE VERIFIED WITH THE BUREAU OF OPERATIONS, TRAFFIC SECTION, BEFORE INSTALLATION.

TRAFFIC COUNTER LOOP DETECTOR INSTALLATION

THE RESIDENT ENGINEER AND/OR CONTRACTOR SHALL NOTIFY THE TRAFFIC STUDIES TECHNICIAN IN PROGRAM DEVELOPMENT AT LEAST ONE WEEK PRIOR TO THE INSTALLATION TO DETERMINE EXACT LOCATION.

PROJECT SPECIFIC GENERAL NOTES

- IF ANY SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED OR RESURFACED OVER. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- ALL AREAS DISTURBED FOR ANY REASON SHALL BE SEEDED WITH CLASS 1, 2, OR 3 SEEDING AS DIRECTED BY THE ENGINEER. NUTRIENTS SHALL CONFORM TO ARTICLE 250.04.
- MULCH, UNLESS OTHERWISE PERMITTED BY THE ENGINEER, SHALL CONFORM TO METHOD 2, PROCEDURE 2 AS SPECIFIED IN ARTICLE 251.03.
- THE CONTRACTOR SHALL BE REQUIRED TO COMPLY WITH STATE REGULATIONS REGARDING AIR, WATER AND NOISE POLLUTION.
- THE CONTRACTOR WILL SUBMIT TO THE ENGINEER A SATISFACTORY PROGRESS SCHEDULE AND CRITICAL PATH SCHEDULE WHICH SHALL SHOW THE PROPOSED SEQUENCE OF WORK AT THE TIME OF THE PRE-CONSTRUCTION CONFERENCE. PER THE REQUIREMENTS OF THE SPECIAL PROVISIONS TITLED "PROGRESS SCHEDULE".

PROJECT COMMITMENTS

- COMMITMENT TO THE MORTON PARK DISTRICT TO MAINTAIN ACCESS FOR PEDESTRIANS AND BICYCLISTS TO THE MULTI-USE PATH ON JACKSON STREET BENEATH I-74 DURING THE HOURS OF 5:30 AM TO 8:30 PM. SHORT TERM CLOSURES OF THE MULTI-USE PATH WILL BE PERMITTED AT ALL OTHER TIMES TO ACCOMMODATE BEAM REMOVAL AND SETTING, DECK REMOVAL AND REPLACEMENT AND ALL OVERHEAD WORK ABOVE THE PATH. FLAGGERS SHALL BE STATIONED AT EACH END OF THE PATH DURING THE OVERHEAD SHORT TERM CLOSURES TO PREVENT PEDESTRIANS AND BICYCLISTS FROM CROSSING BENEATH THE WORK.

ACCOMMODATIONS MAY BE MADE FOR SHORT TERM CLOSURES OF THE BIKE PATH DURING THE 5:30 AM TO 8:30 PM TIMEFRAME PROVIDED THAT AN ALTERNATE ROUTE FOR THE PATH CAN BE PROVIDED. COORDINATION AND APPROVAL OF THE ALTERNATE ROUTE SHALL BE WITH THE VILLAGE OF MORTON PARK DISTRICT. CONTACT MR. GARY WATSON, DIRECTOR, AT 309-263-7429 FOR COORDINATION AND APPROVAL A MINIMUM OF 7 CALENDAR DAYS PRIOR TO THE PROPOSED SHORT TERM CLOSURE.
- PARCEL 4BDC014 & TE - COMMITMENT TO WILLIAM AND ESTHER BILLINGS
 - THE FIVE MATURE TREES THAT FALL WITHIN THE PROPOSED TEMPORARY EASEMENT WILL NOT BE TOUCHED DURING CONSTRUCTION AND WILL BE ALLOWED TO REMAIN IN PLACE.
- PARCEL 4BDC013 & TE - COMMITMENT TO GRIMM BROTHERS TRUCKING TO PROVIDE THE ACCOMMODATIONS AS LISTED.
 - ACCESS TO AND FROM THE GRIMM BROTHERS TRUCKING FACILITY IS GAINED FROM A FRONTAGE ROAD LOCATED OFF OF JEFFERSON STREET. ACCESS TO THE FACILITY SHALL BE MAINTAINED AT THE FRONTAGE ROAD AT ALL TIMES DURING CONSTRUCTION.
 - AN EXISTING ELECTRIC POLE THAT PROVIDES ELECTRIC HOOKUP SERVICE TO TRUCKS AT THE FACILITY IS LOCATED AT THE EXISTING PROPERTY LINE AT APPROXIMATE STATION 556+00. ELECTRIC SERVICE SHALL BE MAINTAINED TO THE EXISTING POLE, OR RELOCATED POLE, AT ALL TIMES DURING CONSTRUCTION.
 - DURING THE WINTER SHUTDOWN PERIODS OF CONSTRUCTION, PROVISIONS SHALL BE MADE THAT ALLOWS FOR TRUCKS FROM GRIMM BROTHERS TRUCKING TO BE PARKED WITHIN THE AREA OF THE TEMPORARY EASEMENT.
 - THE EXISTING AGGREGATE SURFACE COURSE LOCATED IN THE PARKING AREA BOUNDED BY THE EXISTING AND PROPOSED RIGHT OF WAY LINES SHALL BE REMOVED AND STOCKPILED AT A LOCATION WITHIN THE TEMPORARY EASEMENT AND BECOME THE PROPERTY OF THE PROPERTY OWNER. THE AGGREGATE SHALL BE STOCKPILED AT A LOCATION WITHIN THE AREA OF THE TEMPORARY EASEMENT THAT WILL NOT IMPEDE WORK TO BE COMPLETED BY THE CONTRACTOR. THE PROPERTY OWNER SHALL BE CONTACTED FOR COORDINATION ON WHERE TO STOCKPILE THE EXISTING AGGREGATE WITHIN THE TEMPORARY EASEMENT.

CONTACT MR. MARK GRIMM, OPERATIONS MANAGER, AT GRIMM BROTHERS TRUCKING (309-263-2390 OR 800-660-4883) WITH QUESTIONS REGARDING THESE COMMITMENTS.

4. PARCEL NOS. 4BDC020; 4BDC022; 4BDC027 - COMMITMENT TO MR. PHILIP PRASSAS
- THE TENANTS WITH PARCEL 4BDC020 LOCATED AT 1075 WEST JACKSON STREET IN MORTON WILL HAVE ACCESS FOR DELIVERIES BEHIND THE STRUCTURE AT ALL TIMES DURING THE CONSTRUCTION PROJECT FOR THE UPGRADE OF I-74.
 - THE TENANTS WITH PARCEL 4BDC022 LOCATED AT 1015 - 1067 WEST JACKSON STREET IN MORTON WILL HAVE ACCESS FOR DELIVERIES BEHIND THE STRUCTURE AT ALL TIMES DURING THE CONSTRUCTION PROJECT FOR THE UPGRADE OF I-74.
 - THE TENANTS WITH PARCEL 4BDC027 LOCATED AT 1001 WEST JACKSON STREET IN MORTON WILL HAVE ACCESS FOR DELIVERIES BEHIND THE STRUCTURE AT ALL TIMES DURING THE CONSTRUCTION PROJECT FOR THE UPGRADE OF I-74.
5. PARCEL 4BDC004 - PLEASE CONTACT JERRY MAJORS PRIOR TO CONSTRUCTION SO HE MAY PUT UP TEMPORARY FENCING FOR HIS GOATS ON THE PERMANENT EASEMENT AREA. HE MAY BE REACHED AT (309) 253-0808
6. PARCEL 4BDC016 - PLEASE CONTACT MARK LINDSAY PRIOR TO CONSTRUCTION SO THE CHAIN LINK FENCE MAY BE REMOVED AND THE STORAGE UNIT AREA TEMPORARILY SECURED. HE MAY BE REACHED AT (309) 208-3105

| | | |
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| FILE NAME : | DESIGNED - I S | REVISED - 10/23/12 KJD/MDA |
| #FILEL# | DRAWN - TMB | REVISED - |
| USER NAME : #USER# | CHECKED - JNR | REVISED - |
| PLOT DATE : #DATE# | DATE - JULY 20, 2012 | REVISED - |



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES &
PROJECT COMMITMENTS

SCALE: NTS SHEET NO. 2 OF 2 SHEETS STA. TO STA.

| | | | | |
|------------------------------|----------|--------|--------------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90-114R(14)NB-4,14,14HV(B)BR | TAZEWELL | 2433 | 6 | |
| ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 68620 | |

LO1E L1CE LO1E L1CE LO1E L1CE L1CE 07CO

SUMMARY OF QUANTITIES

URBAN

ROADWAY FAJ 74 / FAJ 155

I-155 OVER I-74 (RAMPS G & H)

I-74 OVER ABANDONED RAILROAD DEMOLITION

I-74 OVER JEFFERSON ST

I-74 OVER US 150 (JACKSON ST)

I-74 / I-155

MORTON AVE. OVER I-74

90% FEDERAL 10% STATE

TRAFFIC SIGNALS

LIGHTING

SIGNING

LANDSCAPING

INTELLIGENT TRANSPORTATION SYSTEM


PINECREST DR PLANS

100% VILLAGE OF MORTON

EMERGENCY VEHICLE PRE-EMPTION

| CODE | ITEM | UNIT | TOTAL QUANTITY | 0003 | 0008 | 0044 | 0010 | 0010 | 0040 | 0014 | 0021 | 0021 | 0021 | 0031 | 0021 | 0014 | 0021 |
|------------|--|-------|----------------|---------|---------|------|------|------|------|------|------|------|------|-------|------|------|------|
| 20100110 | TREE REMOVAL (6 TO 15 UNITS DIAMETER) | UNIT | 2,011 | 2011 | | | | | | | | | | | | | |
| 20100210 | TREE REMOVAL (OVER 15 UNITS DIAMETER) | UNIT | 911 | 911 | | | | | | | | | | | | | |
| 20100500 | TREE REMOVAL, ACRES | ACRE | 0.50 | 0.50 | | | | | | | | | | | | | |
| 20200100 | EARTH EXCAVATION | CU YD | 468,371 | 136,560 | 331,811 | | | | | | | | | | | | |
| 20400100 | BORROW EXCAVATION | CU YD | 302,142 | 71,195 | 230,947 | | | | | | | | | | | | |
| 20700220 | POROUS GRANULAR EMBANKMENT | CU YD | 1,544 | 1,544 | | | | | | | | | | | | | |
| 20800150 | TRENCH BACKFILL | CU YD | 6,982 | 6,982 | | | | | | | | | | | | | |
| 21001000 | GEOTECHNICAL FABRIC FOR GROUND STABILIZATION | SO YD | 258,244 | 130,135 | 128,109 | | | | | | | | | | | | |
| 21101505 | TOPSOIL EXCAVATION AND PLACEMENT | CU YD | 196,909 | 78,342 | 118,567 | | | | | | | | | | | | |
| 21400100 | GRADING AND SHAPING DITCHES | FOOT | 2,306 | 2,306 | | | | | | | | | | | | | |
| * 25000210 | SEEDING, CLASS 2A | ACRE | 27.75 | | | | | | | | | | | 27.75 | | | |
| * 25000300 | SEEDING, CLASS 3 | ACRE | 27.25 | | | | | | | | | | | 27.25 | | | |
| * 25000312 | SEEDING, CLASS 4A | ACRE | 40.75 | | | | | | | | | | | 40.75 | | | |
| * 25000322 | SEEDING, CLASS 5A | ACRE | 68.00 | | | | | | | | | | | 68.00 | | | |


* SPECIALTY ITEM

| | | | | | | | | | | |
|-----------------------------------|----------------------|--------------------|---|---|-----------------------|----------------------------|----------|--------|--------------|-----------|
| FILE NAME * | DESIGNED - EJA | REVISED 2/10/23/12 |  | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | SUMMARY OF QUANTITIES | F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| ...General\0468620-shr-500_B1.dgn | DRAWN - TMB | REVISED - | | | | * 50-114R(14B-4,14,14)BIBR | TAZEWELL | 2433 | 8 | |
| USER NAME : jraombilla | CHECKED - JNR | REVISED - | | | | CONTRACT NO. 68620 | | | | |
| PLOT DATE : 7/30/2012 | DATE - JULY 20, 2012 | REVISED - | | | | ILLINOIS FED. AID PROJECT | | | | |

SCALE: NTS SHEET NO. 1 OF 34 SHEETS STA. TO STA.


| SUMMARY OF QUANTITIES | | | | LO1E | | L1CE | | | | LO1E | | 90% FEDERAL L1CE | | 10% STATE L1CE | | L1CE | | 100% VILLAGE OF MORTON | |
|-----------------------|-----------------------------------|-------|----------------|---|---|--|--|--|---|---|-----------------|------------------|---------|----------------|---|-----------------------|-------------------------------------|------------------------|--|
| CODE | ITEM | UNIT | TOTAL QUANTITY | ROADWAY FAI 74 / FAI 155 I-74 / I-155 | I-155 OVER I-74 (RAMPS G & H) SN 090-0165 (SB) SN 090-0166 (NB) | I-74 OVER ABANDONED RAILROAD DEMOLITION SN 090-0014 (NB) SN 090-0015 (EB) | I-74 OVER JEFFERSON ST SN 090-0167 | I-74 OVER US 150 (JACKSON ST) SN 090-0169 | I-74 / I-155 OVERHEAD SIGN STRUCTURES | MORTON AVE. OVER I-74 SN 090-0141 | TRAFFIC SIGNALS | LIGHTING | SIGNING | LANDSCAPING | INTELLIGENT TRANSPORTATION SYSTEM | PINECREST DR PLANS | EMERGENCY VEHICLE PRE-EMPTION | | |
| * 25000350 | SEEDING, CLASS 7 | ACRE | 191.50 | | | | | | | | | | | | | | | | |
| * 25000400 | NITROGEN FERTILIZER NUTRIENT | POUND | 4,954 | | | | | | | | | | | | | | | | |
| * 25000500 | PHOSPHORUS FERTILIZER NUTRIENT | POUND | 4,954 | | | | | | | | | | | | | | | | |
| * 25000600 | POTASSIUM FERTILIZER NUTRIENT | POUND | 4,954 | | | | | | | | | | | | | | | | |
| * 25000750 | MOWING | ACRE | 96 | 96 | | | | | | | | | | | | | | | |
| * 25100115 | MULCH, METHOD 2 | ACRE | 191.50 | | | | | | | | | | | | | | | | |
| * 25100630 | EROSION CONTROL BLANKET | SO YD | 17,323 | 17,323 | | | | | | | | | | | | | | | |
| * 28000250 | TEMPORARY EROSION CONTROL SEEDING | POUND | 28,725 | 28,725 | | | | | | | | | | | | | | | |
| 28000305 | TEMPORARY DITCH CHECKS | FOOT | 6,204 | 6,204 | | | | | | | | | | | | | | | |
| 28000400 | PERIMETER EROSION BARRIER | FOOT | 21,686 | 21,686 | | | | | | | | | | | | | | | |
| 28000500 | INLET AND PIPE PROTECTION | EACH | 234 | 234 | | | | | | | | | | | | | | | |
| 28100705 | STONE DUMPED RIPRAP, CLASS A3 | SO YD | 2,674 | 2,674 | | | | | | | | | | | | | | | |
| 28200200 | FILTER FABRIC | SO YD | 2,674 | 2,674 | | | | | | | | | | | | | | | |
| 30300108 | AGGREGATE SUBGRADE IMPROVEMENT 8" | SO YD | 43,512 | 540 | 42,972 | | | | | | | | | | | | | | |

* SPECIALTY ITEM
 ** MOWING IS 100% STATE (07A0)

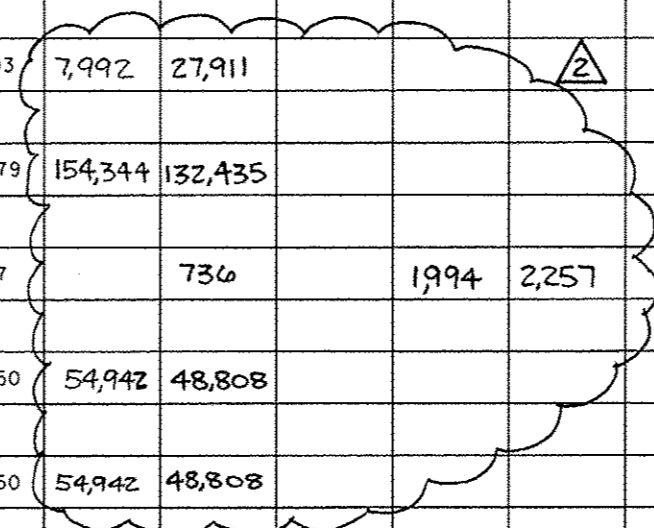
| | | | | | | | | | | | | |
|--|---------------------|----------------------|---|---|-----------------------|--------------------------|------|-----------------------------|---------------------------|--------|--------------------|-----------|
| FILE NAME: ...General\0468620-sht-500_02.dgn | DESIGNED - EJA | REVISED - 10/23/2012 |  | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | SUMMARY OF QUANTITIES | | | F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| USER NAME: jrambillo | DRAWN - TMB | REVISED - | | | | | | 90-114R(14HB-4,14,14HVBIBR) | TAZEWELL | 2433 | 9 | |
| DATE: JULY 20, 2012 | CHECKED - JNR | REVISED - | | | SCALE: NTS | SHEET NO. 2 OF 34 SHEETS | STA. | TO STA. | ILLINOIS FED. AID PROJECT | | CONTRACT NO. 68620 | |
| PLOT DATE: 7/30/2012 | DATE: JULY 20, 2012 | REVISED - | | | | | | | | | | |

| SUMMARY OF QUANTITIES | | | | L01E | | L1CE | | | | L01E | | 90% FEDERAL L1CE | | 10% STATE L01E | | L1CE | | 100% VILLAGE OF MORTON |
|-----------------------|---|-------|----------------|------------------|---------------|-------------------------------|--------------|---------------------|--------------------------|-------------|-----------------|------------------|---------|----------------|-----------------------------------|--------------------|-------------------------------|------------------------|
| CODE | ITEM | UNIT | TOTAL QUANTITY | ROADWAY | I-155 OVER | I-74 OVER | I-74 OVER | I-74 OVER | I-74 / I-155 | MORTON AVE. | TRAFFIC SIGNALS | LIGHTING | SIGNING | LANDSCAPING | INTELLIGENT TRANSPORTATION SYSTEM | PINECREST DR PLANS | EMERGENCY VEHICLE PRE-EMPTION | |
| | | | | FAI 74 / FAI 155 | (RAMPS G & H) | ABANDONED RAILROAD DEMOLITION | JEFFERSON ST | US 150 (JACKSON ST) | OVERHEAD SIGN STRUCTURES | OVER I-74 | | | | | | | | |
| | | | | 0003 | 0008 | 0044 | 0010 | 0010 | 0040 | 0014 | | | | | | | | |
| 30300112 | AGGREGATE SUBGRADE IMPROVEMENT 12" | SO YD | 267,195 | 138,732 | 128,463 | | | | | | | | | | | | | |
| 31100300 | SUBBASE GRANULAR MATERIAL, TYPE A 4" | SO YD | 21,088 | 21,088 | | | | | | | | | | | | | | |
| 31100910 | SUBBASE GRANULAR MATERIAL, TYPE A 12" | SO YD | 25,419 | 25,419 | | | | | | | | | | | | | | |
| 31200500 | STABILIZED SUBBASE - HOT-MIX ASPHALT, 4" | SO YD | 267,195 | 138,732 | 128,463 | | | | | | | | | | | | | |
| 35300400 | PORTLAND CEMENT CONCRETE BASE COURSE 9" | SO YD | 76 | | | | | | | | | | | | | | 76 | |
| 40600200 | BITUMINOUS MATERIALS (PRIME COAT) | TON | 526 | 526 | | | | | | | | | | | | | | |
| 40600215 | POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT) | TON | 2.3 | | 0.5 | 0.6 | | 0.7 | | | | | | | | | 0.5 | |
| 40600895 | CONSTRUCTING TEST STRIP | EACH | 3 | 3 | | | | | | | | | | | | | | |
| 40600982 | HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT | SO YD | 4,222 | 1,595 | 800 | 1,027 | | 800 | | | | | | | | | | |
| 40600990 | TEMPORARY RAMP | SO YD | 6,505 | 4,694 | 1,440 | 172 | | 134 | | | | | | | | | 65 | |
| 40603080 | HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 | TON | 1,714 | 1,714 | | | | | | | | | | | | | | |
| 40603335 | HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 | TON | 416 | 416 | | | | | | | | | | | | | | |
| 40603360 | HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N50 | TON | 708.2 | | 166.2 | 211.2 | | 242.3 | | | | | | | | | 88.5 | |
| 40702700 | FURNISH PROFILOGRAPH | L SUM | 1 | 1 | | | | | | | | | | | | | | |

* SPECIALTY ITEM

| | | | | | | | | | | | | |
|---|----------------|-----------------------------|---|---|--|--|--|----------------------------|----------|---------------------------|--------------|-----------|
| FILE NAME : ...General\0468620\shc-500_03.dgn | DESIGNED - EJA | REVISED 2 10/23/2012 |  | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | SUMMARY OF QUANTITIES | | | F.A.J. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| USER NAME : pambillo | DRAWN - TMB | REVISED - | | | | | | 90-114R(14)B-4,14,14HVBIBR | TAZEWELL | 2433 | 10 | |
| PLOT DATE : 7/30/2012 | CHECKED - JNR | REVISED - | | | SCALE: NTS SHEET NO. 3 OF 34 SHEETS STA. TO STA. | | | CONTRACT NO. 68620 | | ILLINOIS FED. AID PROJECT | | |

| SUMMARY OF QUANTITIES | | | | LOIE | L1CE | | | | LOIE | 90% FEDERAL L1CE | 10% STATE | LOIE | | | | L1CE | 100% VILLAGE OF MORTON |
|-----------------------|---|-------|----------------|------------------|---------------|-------------------------------|--------------|---------------------|--------------|--------------------------------------|-----------------|----------|---------|-------------|-----------------------------------|--------------------|-------------------------------|
| CODE | ITEM | UNIT | TOTAL QUANTITY | ROADWAY | I-155 OVER | I-74 OVER | I-74 OVER | I-74 OVER | I-74 / I-155 | MORTON AVE. | TRAFFIC SIGNALS | LIGHTING | SIGNING | LANDSCAPING | INTELLIGENT TRANSPORTATION SYSTEM | PINECREST DR PLANS | EMERGENCY VEHICLE PRE-EMPTION |
| | | | | FAI 74 / FAI 155 | (RAMPS G & H) | ABANDONED RAILROAD DEMOLITION | JEFFERSON ST | US 150 (JACKSON ST) | OVER 1-74 | SN 090-0165 (SB) SN 090-0166 (NB) | | | | | | | |
| | | | | 0003 | 0008 | 0044 | 0010 | 0010 | 0040 | 0014 | 0021 | 0021 | 0021 | 0031 | 0021 | 0014 | 0021 |
| 42000501 | PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED) | SO YD | 27,244 | 27,244 | | | | | | | | | | | | | |
| 42000506 | PORTLAND CEMENT CONCRETE PAVEMENT 10 1/4" (JOINTED) | SO YD | 35,903 | 7,992 | 27,911 | | | | | | | | | | | | |
| 42001300 | PROTECTIVE COAT | SO YD | 286,779 | 154,344 | 132,435 | | | | | | | | | | | | |
| 42001420 | BRIDGE APPROACH PAVEMENT CONNECTOR (PCC) | SO YD | 4,987 | | 736 | | 1,994 | 2,257 | | | | | | | | | |
| 42100320 | CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 11" | SO YD | 103,750 | 54,942 | 48,808 | | | | | | | | | | | | |
| 42100615 | PAVEMENT REINFORCEMENT | SO YD | 103,750 | 54,942 | 48,808 | | | | | | | | | | | | |
| 42101090 | TRANSVERSE TERMINAL JOINT COMPLETE 24' | EACH | 2 | 2 | | | | | | | | | | | | | |
| 42101436 | LUG SYSTEM COMPLETE 36' | EACH | 5 | 5 | | | | | | | | | | | | | |
| 42101447 | LUG SYSTEM COMPLETE 47' | EACH | 1 | 1 | | | | | | | | | | | | | |
| 44000100 | PAVEMENT REMOVAL | SO YD | 157,445 | 89,662 | 67,783 | | | | | | | | | | | | |
| 44000154 | HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/4" | SO YD | 1,263 | | | | | | | | | | | | | | 1,263 |
| 44000200 | DRIVEWAY PAVEMENT REMOVAL | SO YD | 470 | 470 | | | | | | | | | | | | | |
| 44000500 | COMBINATION CURB AND GUTTER REMOVAL | FOOT | 7,451 | 7,451 | | | | | | | | | | | | | |
| 44003100 | MEDIAN REMOVAL | SO FT | 34,533 | 33,852 | | | | | | | | | | | | | 681 |



* SPECIALTY ITEM

| | | |
|--------------------------------------|----------------------|---------------------------|
| FILE NAME * | DESIGNED - EJA | REVISED <u>10/23/2012</u> |
| ...\\Generat\10460628-shr-500_04.dgn | DRAWN - TMB | REVISED - |
| USER NAME : jacobillo | CHECKED - JNR | REVISED - |
| PLOT DATE : 7/30/2012 | DATE - JULY 20, 2012 | REVISED - |



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | |
|-----------------------|--------------------------|------|---------|
| SUMMARY OF QUANTITIES | | | |
| SCALE: NTS | SHEET NO. 4 OF 34 SHEETS | STA. | TO STA. |

| | | | | |
|------------------------------|----------|--------|--------------|-----------|
| P.A.J. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90-(14R)-(14HB-4,14,14HYB)BR | TAZEWELL | 2433 | 11 | |
| CONTRACT NO. 68620 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

| SUMMARY OF QUANTITIES | | | | LOIE | LICE | | | | | LOIE | 90% FEDERAL LICE | 10% STATE | LOIE | | | | LICE | 100% VILLAGE OF MORTON |
|-----------------------|--|-------|-------------------|-----------------------------|-------------------------------------|--|---------------------------|-------------------------------------|--------------|--------------------------|------------------|-----------|---------|-------------|---|-----------------------|-------------------------------------|------------------------|
| | | | | ROADWAY FAI 74 / FAI 155 | I-155 OVER I-74 (RAMPS G & H) | I-74 OVER ABANDONED RAILROAD DEMOLITION | I-74 OVER JEFFERSON ST | I-74 OVER US 150 (JACKSON ST) | I-74 / I-155 | MORTON AVE. OVER I-74 | TRAFFIC SIGNALS | LIGHTING | SIGNING | LANDSCAPING | INTELLIGENT TRANSPORTATION SYSTEM | PINECREST DR PLANS | EMERGENCY VEHICLE PRE-EMPTION | |
| CODE | ITEM | UNIT | TOTAL QUANTITY | 0003 | 0008 | 0044 | 0010 | 0010 | 0040 | 0014 | 0021 | 0021 | 0021 | 0031 | 0021 | 0014 | 0021 | |
| 44004000 | PAVED DITCH REMOVAL | FOOT | 1,447 | 1,447 | | | | | | | | | | | | | | |
| 44004250 | PAVED SHOULDER REMOVAL | SO YD | 88,002 | 56,407 | 31,595 | | | | | | | | | | | | | |
| 44022025 | PARTIAL DEPTH REMOVAL 2" | SO YD | 1,132 | 1,132 | | | | | | | | | | | | | | |
| 44201721 | CLASS D PATCHES, TYPE III, 6 INCH | SO YD | 22 | 22 | | | | | | | | | | | | | | |
| 44201845 | CLASS D PATCHES, TYPE IV, 16 INCH | SO YD | 80 | 80 | | | | | | | | | | | | | | |
| 48101500 | AGGREGATE SHOULDERS, TYPE B 6" | SO YD | 18,515 | 9,011 | 9,504 | | | | | | | | | | | | | |
| 48300500 | PORTLAND CEMENT CONCRETE SHOULDERS 10" | SO YD | 8,613 | 8,613 | | | | | | | | | | | | | | |
| 48300505 | PORTLAND CEMENT CONCRETE SHOULDERS 10 1/4" | SO YD | 29,289 | 6,198 | 23,091 | | | | | | | | | | | | | |
| 48300600 | PORTLAND CEMENT CONCRETE SHOULDERS 11" | SO YD | 68,449 | 43,505 | 24,944 | | | | | | | | | | | | | |
| 50100300 | REMOVAL OF EXISTING STRUCTURES NO. 1 | EACH | 1 | | 1 | | | | | | | | | | | | | |
| 50100400 | REMOVAL OF EXISTING STRUCTURES NO. 2 | EACH | 1 | | 1 | | | | | | | | | | | | | |
| 50100500 | REMOVAL OF EXISTING STRUCTURES NO. 3 | EACH | 1 | | | | 1 | | | | | | | | | | | |
| 50100600 | REMOVAL OF EXISTING STRUCTURES NO. 4 | EACH | 1 | | | | | 1 | | | | | | | | | | |
| 50100700 | REMOVAL OF EXISTING STRUCTURES NO. 5 | EACH | 1 | | | | | 1 | | | | | | | | | | |

* SPECIALTY ITEMS

| | | |
|--------------------------------------|----------------------|-----------------------------|
| FILE NAME : ... | DESIGNED - EJA | REVISED A 10/23/2012 |
| ... \General\10468628-stc-S08_85.dgn | DRAWN - TMB | REVISED - |
| USER NAME : graebillo | CHECKED - JNR | REVISED - |
| PLOT DATE : 7/30/2012 | DATE - JULY 20, 2012 | REVISED - |



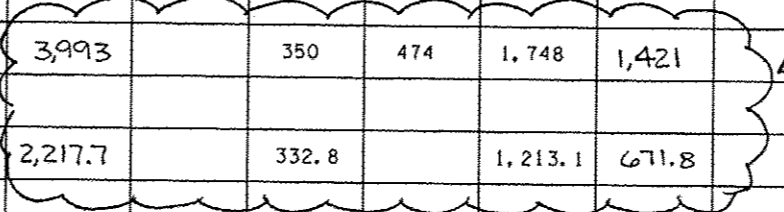
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS SHEET NO. 5 OF 34 SHEETS STA. TO STA.

| | | | | |
|----------------------------|----------|--------|---------------------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90-114R(14)B-4.14.14HYBIBR | TAZEWELL | 2433 | 12 | |
| CONTRACT NO. 68620 | | | ILLINOIS FED. AID PROJECT | |

| SUMMARY OF QUANTITIES | | | | LO1E | L1CE | | | | LO1E | 99% FEDERAL L1CE | 10% STATE | LO1E | | | | L1CE | 100% VILLAGE OF MORTON | | | |
|-----------------------|--|-------|----------------|-----------------------------|--------------------------------------|--|---------------------------|-------------------------------------|-----------------------------|--------------------------|-----------------|----------|---------|-------------|---|-----------------------|-------------------------------------|------|------|------|
| CODE | ITEM | UNIT | TOTAL QUANTITY | ROADWAY FAI 74 / FAI 155 | I-155 OVER I-74 (RAMPS G & H) | I-74 OVER ABANDONED RAILROAD DEMOLITION | I-74 OVER JEFFERSON ST | I-74 OVER US 150 (JACKSON ST) | I-74 / I-155 | MORTON AVE. OVER I-74 | TRAFFIC SIGNALS | LIGHTING | SIGNING | LANDSCAPING | INTELLIGENT TRANSPORTATION SYSTEM | PINECREST DR PLANS | EMERGENCY VEHICLE PRE-EMPTION | | | |
| | | | | I-74 / I-155 | SN 090-0165 (SB) SN 090-0166 (NB) | SN 090-0014 (WB) SN 090-0015 (EB) | SN 090-0167 | SN 090-0169 | OVERHEAD SIGN STRUCTURES | SN 090-0141 | 0003 | 0008 | 0044 | 0010 | 0010 | 0040 | 0014 | 0021 | 0021 | 0021 |
| 50100800 | REMOVAL OF EXISTING STRUCTURES NO. 6 | EACH | 1 | | | 1 | | | | | | | | | | | | | | |
| 50100900 | REMOVAL OF EXISTING STRUCTURES NO. 7 | EACH | 1 | | | 1 | | | | | | | | | | | | | | |
| 50102400 | CONCRETE REMOVAL | CU YD | 149.7 | | | | | | | 149.7 | | | | | | | | | | |
| 50104400 | CONCRETE HEADWALL REMOVAL | EACH | 29 | 29 | | | | | | | | | | | | | | | | |
| 50105220 | PIPE CULVERT REMOVAL | FOOT | 3,142 | 3,142 | | | | | | | | | | | | | | | | |
| 50157300 | PROTECTIVE SHIELD | SO YD | 870 | | | | | 512 | | 358 | | | | | | | | | | |
| 50200100 | STRUCTURE EXCAVATION | CU YD | 3,993 | | 350 | 474 | 1,748 | 1,421 | | | | | | | | | | | | |
| 50300225 | CONCRETE STRUCTURES | CU YD | 2,217.7 | | 332.8 | | 1,213.1 | 671.8 | | | | | | | | | | | | |
| 50300255 | CONCRETE SUPERSTRUCTURE | CU YD | 3,460.3 | 6 | 810.9 | | 856.0 | 1700.3 | | 87.1 | | | | | | | | | | |
| 50300260 | BRIDGE DECK GROOVING | SO YD | 9,451 | | 1,865 | | 2,356 | 4,722 | | 508 | | | | | | | | | | |
| 50300285 | FORM LINER TEXTURED SURFACE | SO FT | 8,943 | | | | 8,943 | | | | | | | | | | | | | |
| 50300300 | PROTECTIVE COAT | SO YD | 11,806 | | 2,515 | | 2,761 | 5,552 | | 978 | | | | | | | | | | |
| 50500105 | FURNISHING AND ERECTING STRUCTURAL STEEL | L SUM | 1 | | 0.2 | | 0.2 | 0.6 | | | | | | | | | | | | |
| 50500405 | FURNISHING AND ERECTING STRUCTURAL STEEL | POUND | 4,010 | | | | | | | 4,010 | | | | | | | | | | |



* SPECIALTY ITEMS

| | | |
|-----------------------------------|----------------------|----------------------|
| FILE NAME - | DESIGNED - EJA | REVISED - 10/23/2012 |
| ...General\1468620-shr-500.06.dgn | DRAWN - TWB | REVISED - |
| USER NAME - jresbillo | CHECKED - JNR | REVISED - |
| PLOT DATE - 7/30/2012 | DATE - JULY 20, 2012 | REVISED - |




STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
SCALE: NTS SHEET NO. 6 OF 34 SHEETS STA. TO STA.

| | | | | |
|--------------------|-----------------------------|----------|--------------|-----------|
| F.A.I. R.T.E. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 80-[14R]14HB-4,14,14HYB[BR] | TAZEWELL | 2433 | 13 |
| CONTRACT NO. 68620 | | | | |

| SUMMARY OF QUANTITIES | | | | LO1E | L1CE | | | | LO1E | 90% FEDERAL L1CE | 10% STATE | LO1E | | | | L1CE | 100% VILLAGE OF MORTON |
|-----------------------|---|-------|----------------|--------------------------|-------------------------------|---|------------------------|-------------------------------|--------------|-----------------------|-----------------|----------|---------|-------------|-----------------------------------|--------------------|-------------------------------|
| CODE | ITEM | UNIT | TOTAL QUANTITY | ROADWAY FAI 74 / FAI 155 | I-155 OVER I-74 (RAMPS G & H) | I-74 OVER ABANDONED RAILROAD DEMOLITION | I-74 OVER JEFFERSON ST | I-74 OVER US 150 (JACKSON ST) | I-74 / I-155 | MORTON AVE. OVER I-74 | TRAFFIC SIGNALS | LIGHTING | SIGNING | LANDSCAPING | INTELLIGENT TRANSPORTATION SYSTEM | PINECREST DR PLANS | EMERGENCY VEHICLE PRE-EMPTION |
| | | | | 0003 | 0008 | 0044 | 0010 | 0010 | 0040 | 0014 | 0021 | 0021 | 0021 | 0031 | 0021 | 0014 | 0021 |
| 50500505 | STUD SHEAR CONNECTORS | EACH | 29,134 | | 8,550 | | 8,236 | 12,348 | | | | | | | | | |
| 50800205 | REINFORCEMENT BARS, EPOXY COATED | POUND | 1,043,810 | 1,180 | 264,060 | | 297,740 | 464,390 | 2 | 16,440 | | | | | | | |
| 50800515 | BAR SPLICERS | EACH | 4,856 | | | | 1,798 | 3,018 | | 40 | | | | | | | |
| 50800530 | MECHANICAL SPLICERS | EACH | 348 | | 212 | | | 136 | | | | | | | | | |
| 51100100 | SLOPE WALL 4 INCH | 50 YD | 2,191 | | 872 | | | 1,319 | | | | | | | | | |
| 51200957 | FURNISHING METAL SHELL PILES 12" X 0.250" | FOOT | 5,134 | | | | 5,134 | | | | | | | | | | |
| 51201600 | FURNISHING STEEL PILES HP12X53 | FOOT | 2,159 | | 2,159 | | | 4,118 | 2 | | | | | | | | |
| 51201700 | FURNISHING STEEL PILES HP12X74 | FOOT | 4,118 | | | | | 4,118 | 2 | | | | | | | | |
| 51201900 | FURNISHING STEEL PILES HP14X89 | FOOT | 8,327 | | 4,015 | | | 4,312 | | | | | | | | | |
| 51202305 | DRIVING PILES | FOOT | 19,738 | | 6,174 | | 5,134 | 8,430 | | | | | | | | | |
| 51203200 | TEST PILE METAL SHELLS | EACH | 2 | | | | 2 | | | | | | | | | | |
| 51203600 | TEST PILE STEEL HP12X53 | EACH | 2 | | 2 | | | 2 | 2 | | | | | | | | |
| 51203700 | TEST PILE STEEL HP 12 X 74 | EACH | 2 | | | | | 2 | | | | | | | | | |
| 51203900 | TEST PILE STEEL HP14X89 | EACH | 2 | | 1 | | | 1 | | | | | | | | | |
| 51204650 | PILE SHOES | EACH | 138 | | | | | 138 | | | | | | | | | |
| 51500100 | NAME PLATES | EACH | 4 | | 2 | | 1 | 1 | | | | | | | | | |

* SPECIALTY ITEMS

| | | | | | | | | | | | |
|---|----------------|---------------------------|---|---|---|--|---------------------------|----------|--------|--------------|-----------|
| FILE NAME General\0460620-shc-500_07.dgn | DESIGNED - EJA | REVISED <u>10/23/2012</u> |  benesch engineers - scientists - planners | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | SUMMARY OF QUANTITIES SCALE: NTS SHEET NO. 7 OF 34 SHEETS STA. TO STA. | | F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| USER NAME : jreanillo | DRAWN - TMB | REVISED - | | | | | 90-114R(14HB-4,14,14HB)BR | TAZEWELL | 2433 | 14 | |
| PLOT DATE : 7/30/2012 | CHECKED - JNR | REVISED - | | | | | CONTRACT NO. 68620 | | | | |

| SUMMARY OF QUANTITIES | | | | LO1E | L1CE | | | LO1E | 90% FEDERAL L1CE | 10% STATE LO1E | L1CE | 100% VILLAGE OF MORTON | | | | | | |
|-----------------------|--|-------|----------------|-----------------------------|--------------------------------------|--|---------------------------|-------------------------------------|-----------------------------|--------------------------|-----------------|------------------------|---------|-------------|---|-----------------------|-------------------------------------|-----|
| CODE | ITEM | UNIT | TOTAL QUANTITY | ROADWAY FAI 74 / FAI 155 | I-155 OVER I-74 (RAMPS G & H) | I-74 OVER ABANDONED RAILROAD DEMOLITION | I-74 OVER JEFFERSON ST | I-74 OVER US 150 (JACKSON ST) | I-74 / I-155 | MORTON AVE. OVER I-74 | TRAFFIC SIGNALS | LIGHTING | SIGNING | LANDSCAPING | INTELLIGENT TRANSPORTATION SYSTEM | PINECREST DR PLANS | EMERGENCY VEHICLE PRE-EMPTION | |
| | | | | I-74 / I-155 | SN 090-0165 (SB) SN 090-0166 (NB) | SN 090-0014 (WB) SN 090-0015 (EB) | SN 090-0167 | SN 090-0169 | OVERHEAD SIGN STRUCTURES | SN 090-0141 | 0021 | 0021 | 0021 | 0031 | 0021 | 0014 | 0021 | |
| 63500105 | DELINEATORS | EACH | 449 | 449 | | | | | | | | | | | | | | |
| 63700175 | CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT | FOOT | 1,127 | | 1,127 | | | | | | | | | | | | | |
| 63700275 | CONCRETE BARRIER, DOUBLE FACE, 42 INCH HEIGHT | FOOT | 1,216 | | 1,216 | | | | | | | | | | | | | |
| 63700285 | CONCRETE BARRIER, DOUBLE FACE, 48 INCH HEIGHT | FOOT | 10,792 | 5,546 | 5,246 | | | | | | | | | | | | | |
| 63700805 | CONCRETE BARRIER TRANSITION | FOOT | 137 | 45 | 92 | | | | | | | | | | | | | |
| 63700900 | CONCRETE BARRIER BASE | FOOT | 13,135 | 7,889 | 5,246 | | | | | | | | | | | | | |
| 63801200 | MODULAR GLARE SCREEN SYSTEM | FOOT | 22,657 | 22,657 | | | | | | | | | | | | | | |
| 64200116 | SHOULDER RUMBLE STRIPS, 16 INCH | FOOT | 56,891 | 56,891 | | | | | | | | | | | | | | |
| * 64300260 | IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3 | EACH | 2 | 2 | | | | | | | | | | | | | | |
| * 64300370 | IMPACT ATTENUATORS (FULLY REDIRECTIVE, WIDE), TEST LEVEL 3 | EACH | 3 | 3 | | | | | | | | | | | | | | |
| 64300450 | IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3 | EACH | 2 | | | | | | | | | | | | | | | 2 |
| 64301090 | ATTENUATOR BASE | SO YD | 236 | 134 | | | | | | | | | | | | | | 102 |
| 66400105 | CHAIN LINK FENCE, 4' | FOOT | 17,903 | 17,903 | | | | | | | | | | | | | | |
| 66600105 | FURNISHING AND ERECTING RIGHT OF WAY MARKERS | EACH | 100 | 100 | | | | | | | | | | | | | | |

* SPECIALTY ITEM

| | | |
|--|----------------------|-----------------------------|
| FILE NAME ...General\0468628-ent-S00.16.dgn | DESIGNED - EJA | REVISED <u>2</u> 10/23/2012 |
| USER NAME r_gambillo | DRAWN - TMB | REVISED - |
| PLBT DATE 7/20/2012 | CHECKED - JNR | REVISED - |
| | DATE - JULY 20, 2012 | REVISED - |



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS SHEET NO. 16 OF 34 SHEETS STA. TO STA.

| | | | | |
|--------------------|---------------------------|----------|---------------------------|-----------|
| F.A.J. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 90-114R(14HB-4,14,14HB1B) | TAZEWELL | 2433 | 23 |
| CONTRACT NO. 68620 | | | ILLINOIS FED. AID PROJECT | |

| SUMMARY OF QUANTITIES | | | | LO1E | | L1CE | | | | LO1E | | 90% FEDERAL L1CE | | 10% STATE LO1E | | L1CE | | 100% VILLAGE OF MORTON |
|-----------------------|---|--------|----------------|------------------|---------------|-------------------------------|--------------|---------------------|--------------|-------------|-----------------|------------------|---------|----------------|-----------------------------------|--------------------|-------------------------------|--------------------------|
| CODE | ITEM | UNIT | TOTAL QUANTITY | ROADWAY | I-155 OVER | I-74 OVER | I-74 OVER | I-74 OVER | I-74 / I-155 | MORTON AVE. | TRAFFIC SIGNALS | LIGHTING | SIGNING | LANDSCAPING | INTELLIGENT TRANSPORTATION SYSTEM | PINECREST DR PLANS | EMERGENCY VEHICLE PRE-EMPTION | |
| | | | | FAI 74 / FAI 155 | (RAMPS G & H) | ABANDONED RAILROAD DEMOLITION | JEFFERSON ST | US 150 (JACKSON ST) | OVER | OVER I-74 | | | | | | | | OVERHEAD SIGN STRUCTURES |
| | | | | 0003 | 0008 | 0044 | 0010 | 0010 | 0040 | 0014 | | | | | | | | |
| 66700205 | PERMANENT SURVEY MARKERS, TYPE I | EACH | 22 | 22 | | | | | | | | | | | | | | |
| 66700305 | PERMANENT SURVEY MARKERS, TYPE II | EACH | 9 | 9 | | | | | | | | | | | | | | |
| 67100100 | MOBILIZATION | L SUM | 1 | 1 | | | | | | | | | | | | | | |
| 70106800 | CHANGEABLE MESSAGE SIGN | CAL MO | 385.5 | 385.5 | | | | | | | | | | | | | | |
| 70200100 | NIGHTTIME WORK ZONE LIGHTING | L SUM | 1 | 1 | | | | | | | | | | | | | | |
| 70300100 | SHORT TERM PAVEMENT MARKING | FOOT | 50,883 | 50,883 | | | | | | | | | | | | | | |
| * 70300510 | PAVEMENT MARKING TAPE, TYPE III - LETTERS AND SYMBOLS | 50 FT | 1,392 | 1,392 | | | | | | | | | | | | | | |
| * 70300520 | PAVEMENT MARKING TAPE, TYPE III 4" | FOOT | 604,485 | 604,485 | | | | | | | | | | | | | | |
| * 70300550 | PAVEMENT MARKING TAPE, TYPE III 8" | FOOT | 51,510 | 51,510 | | | | | | | | | | | | | | |
| * 70300560 | PAVEMENT MARKING TAPE, TYPE III 12" | FOOT | 26,822 | 26,822 | | | | | | | | | | | | | | |
| * 70300570 | PAVEMENT MARKING TAPE, TYPE III 24" | FOOT | 1,251 | 1,251 | | | | | | | | | | | | | | |
| 70301000 | WORK ZONE PAVEMENT MARKING REMOVAL | 50 FT | 341,170 | 341,170 | | | | | | | | | | | | | | |
| 70400100 | TEMPORARY CONCRETE BARRIER | FOOT | 60,837.5 | 35,208.5 | 25,629 | | | | | | | | | | | | | |
| 70400200 | RELOCATE TEMPORARY CONCRETE BARRIER | FOOT | 122,450 | 70,866 | 51,584 | | | | | | | | | | | | | |

* SPECIALTY ITEM

| | | |
|---|----------------------|-----------------------------|
| FILE NAME : ...General\0468620-sh1-500.17.dgn | DESIGNED - EJA | REVISED Δ 10/23/2012 |
| USER NAME : pambillo | DRAWN - TMB | REVISED - |
| PLOT DATE : 7/30/2012 | CHECKED - JNR | REVISED - |
| | DATE - JULY 20, 2012 | REVISED - |




STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| | | | |
|-----------------------|---------------------------|------|---------|
| SUMMARY OF QUANTITIES | | | |
| SCALE: NTS | SHEET NO. 17 OF 34 SHEETS | STA. | TO STA. |

| | | | | |
|------------------------------|----------|--------|--------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| • 90-(14R,14B-4,14,14HVBIBR) | TAZEWELL | 2433 | 24 | |
| CONTRACT NO. 68620 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

| SUMMARY OF QUANTITIES | | | | LOIE | | | | | LICE | | | LOIE | | | | | LICE | | 100% VILLAGE OF MORTON |
|-----------------------|--|-------|----------------|------------------|--------------------|-------------------------------|--------------|---------------------|--------------|-------------|--------------------------|-----------------|----------|---------|-------------|-----------------------------------|--------------------|-------------------------------|------------------------|
| CODE | ITEM | UNIT | TOTAL QUANTITY | ROADWAY | I-155 OVER | I-74 OVER | I-74 OVER | I-74 OVER | I-74 / I-155 | 90% FEDERAL | 10% STATE | TRAFFIC SIGNALS | LIGHTING | SIGNING | LANDSCAPING | INTELLIGENT TRANSPORTATION SYSTEM | PINECREST DR PLANS | EMERGENCY VEHICLE PRE-EMPTION | |
| | | | | FAI 74 / FAI 155 | I-74 (RAMPS G & H) | ABANDONED RAILROAD DEMOLITION | JEFFERSON ST | US 150 (JACKSON ST) | LICE | LICE | OVERHEAD SIGN STRUCTURES | | | | | | | | MORTON AVE. OVER I-74 |
| | | | | 0003 | 0008 | 0044 | 0010 | 0010 | 0040 | 0014 | | | | | | | | | |
| * 88700300 | LIGHT DETECTOR AMPLIFIER | EACH | 2 | | | | | | | | | | | | | | | 2 | |
| 89000100 | TEMPORARY TRAFFIC SIGNAL INSTALLATION | EACH | 2 | | | | | | | | | 2 | | | | | | | |
| 89501250 | RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT | EACH | 1 | | | | | | | | | 1 | | | | | | | |
| * A2007674 | TREE, TAXODIUM DISTICHUM (COMMON BALD CYPRESS), 10' HT, CLUMP FRM, B & B | EACH | 42 | | | | | | | | | | | | 42 | | | | |
| X0301242 | PIEZO AXLE SENSOR, CLASS 11 | FOOT | 66 | 66 | | | | | | | | | | | | | | | |
| X0321809 | PERMANENT GROUND ANCHOR | EACH | 86 | | | | 86 | | | | | | | | | | | | |
| * X0323160 | VIDEO INSPECTION OF STORM SEWER | FOOT | 1,105 | 1,105 | | | | | | | | | | | | | | | |
| X0323265 | REMOVE EXISTING RIPRAP | SO YD | 1,208 | 1,208 | | | | | | | | | | | | | | | |
| X0323388 | TRAFFIC COUNTER | EACH | 5 | | | | | | | | | | | | | | 5 | | |
| * X0323909 | DATA NETWORK PORT ADAPTER | EACH | 8 | | | | | | | | | | | | | | 8 | | |
| X0323917 | CABINET, MODEL 334 | EACH | 3 | | | | | | | | | | | | | | 3 | | |
| X0323920 | POLE MOUNTED EQUIPMENT CABINET, TYPE B | EACH | 2 | | | | | | | | | | | | | | 2 | | |
| X0323923 | SUPPORT EQUIPMENT AND MAINTENANCE | L SUM | 1 | | | | | | | | | | | | | | 1 | | |
| X0324159 | WHITEWASHING FOR CONCRETE PAVEMENT | SO YD | 267,195 | 142,087 | 125,108 | | | | | | | | | | | | | | |


* SPECIALTY ITEMS

| | | | | | | | | | | | | | |
|--|----------------------|--------------------|---|---|---------------------------|---------------------------|------|---------|----------------------------|----------|--------|--------------|-----------|
| FILE NAME : ...General\0468620\sh-509_26.dgn | DESIGNED - EJA | REVISED 10/23/2012 |  | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | SUMMARY OF QUANTITIES | | | | F.A.J. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| USER NAME : jreanillo | DRAWN - TMB | REVISIONS | | | SCALE: NTS | SHEET NO. 26 OF 34 SHEETS | STA. | TO STA. | 90-[14R](14HB-4,14,14HB)BR | TAZEWELL | 2433 | 33 | |
| PLOT DATE : 7/30/2012 | CHECKED - JNR | REVISIONS | | | ILLINOIS FED. AID PROJECT | | | | CONTRACT NO. 68620 | | | | |
| | DATE - JULY 20, 2012 | REVISIONS | | | | | | | | | | | |

| SUMMARY OF QUANTITIES | | | | LOIE | | LICE | | | | LOIE | | 90% FEDERAL LICE | | 10% STATE LICE | | LICE | | 100% VILLAGE OF MORTON |
|-----------------------|---|-------|----------------|------------------|--------------|-------------------------------|--------------|--------------|--------------------------|--------------|-------------|------------------|----------|----------------|-------------|-----------------------------------|--------------------|-------------------------------|
| CODE | ITEM | UNIT | TOTAL QUANTITY | ROADWAY | I-155 OVER | I-74 OVER | I-74 OVER | I-74 OVER | I-74 OVER | I-74 / I-155 | MORTON AVE. | TRAFFIC SIGNALS | LIGHTING | SIGNING | LANDSCAPING | INTELLIGENT TRANSPORTATION SYSTEM | PINECREST DR PLANS | EMERGENCY VEHICLE PRE-EMPTION |
| | | | | FAI 74 / FAI 155 | (RAMP G & H) | ABANDONED RAILROAD DEMOLITION | JEFFERSON ST | (JACKSON ST) | OVERHEAD SIGN STRUCTURES | OVER I-74 | | | | | | | | |
| | | | | 0003 | 0008 | 0044 | 0010 | 0010 | 0040 | 0014 | 0021 | 0021 | 0021 | 0031 | 0021 | 0014 | 0021 | |
| X0325318 | LIGHTWEIGHT CELLULAR CONCRETE FILL | CU YD | 474 | | | 474 | | | | | | | | | | | | |
| *X0325485 | TRUSS MOUNTED LED DYNAMIC MESSAGE SIGN | EACH | 1 | | | | | | | | | | | | | | 1 | |
| *X0325810 | WIRELESS ETHERNET RADIO | EACH | 1 | | | | | | | | | | | | | | 1 | |
| X0325833 | WICK DRAINS | FOOT | 470,230 | | | 470,230 | | | | | | | | | | | | |
| *X0325922 | CELLULAR MODEM | EACH | 2 | | | | | | | | | | | | | | 2 | |
| X0326337 | DRAINAGE CONTROL STRUCTURE | EACH | 1 | 1 | | | | | | | | | | | | | | |
| *X0326812 | CAT 5 ETHERNET CABLE | FOOT | 249 | | | | | | | | | | | | | | 249 | |
| *X0326905 | CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED | EACH | 4 | | | | | | | | | | | | | | 4 | |
| *X0326906 | CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED (MATERIAL ONLY) | EACH | 3 | | | | | | | | | | | | | | 3 | |
| *X0327116 | SOLAR POWER ASSEMBLY | EACH | 1 | 1 | | | | | | | | | | | | | | |
| X0327121 | CAMERA POLE, 55 FT | EACH | 3 | | | | | | | | | | | | | | 3 | |
| X0327423 | CONNECTION TO EXISTING CULVERT | EACH | 5 | 5 | | | | | | | | | | | | | | |
| X0327466 | TRAFFIC COUNTER POST, GALVANIZED STEEL | EACH | 4 | | | | | | | | | | | | | | 4 | |

470,230 ——— 470,230

* SPECIALTY ITEMS

| | | | | | | | | | | | | |
|--|----------------|------------------------|---|---|---|--|--|-------------------------------|----------|--------|--------------|-----------|
| FILE NAME : ...\\Genera\10468620\sh-500_27.dgn | DESIGNED - EJA | REVISED / 2 10/23/2012 |  | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | SUMMARY OF QUANTITIES | | | F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| USER NAME : graebillo | DRAWN - TMB | REVISIONS | | | | | | • 90-114R;114HB-4,14,14HVBIBR | TAZEWELL | 2433 | 34 | |
| DATE : JULY 20, 2012 | CHECKED - JNR | REVISIONS | | | SCALE: NTS SHEET NO. 27 OF 34 SHEETS STA. TO STA. | | | CONTRACT NO. 68620 | | | | |
| DATE : JULY 20, 2012 | REVISIONS | REVISIONS | | | ILLINOIS FED. AID PROJECT | | | | | | | |

| SUMMARY OF QUANTITIES | | | | LOIE | | | | | LICE | | LOIE | | | | | LICE | | 100% VILLAGE OF MORTON |
|-----------------------|---|-------|----------------|------------------|--------------|------------------------------|--------------|---------------------|--------------|-----------------------|-----------|-----------------|----------|---------|-------------|-----------------------------------|--------------------|-------------------------------|
| CODE | ITEM | UNIT | TOTAL QUANTITY | ROADWAY | I-155 OVER | I-74 OVER | I-74 OVER | I-74 OVER | I-74 / I-155 | 90% FEDERAL | 10% STATE | TRAFFIC SIGNALS | LIGHTING | SIGNING | LANDSCAPING | INTELLIGENT TRANSPORTATION SYSTEM | PINECREST DR PLANS | EMERGENCY VEHICLE PRE-EMPTION |
| | | | | FAI 74 / FAI 155 | (RAMP G & H) | ADABONED RAILROAD DEMOLITION | JEFFERSON ST | US 150 (JACKSON ST) | LICE | MORTON AVE. OVER I-74 | | | | | | | | |
| | | | | 0003 | 0008 | 0044 | 0010 | 0010 | 0040 | 0014 | | | | | | | | |
| X4400110 | TEMPORARY PAVEMENT REMOVAL | SO YD | 129,532 | 12,686 | 116,846 | | | | | | | | | | | | | |
| X4421000 | PARTIAL DEPTH PATCHING | TON | 127 | 127 | | | | | | | | | | | | | | |
| X4810200 | AGGREGATE SHOULDER REMOVAL | CU YD | 1,923 | 975 | 948 | | | | | | | | | | | | | |
| X5121800 | PERMANENT STEEL SHEET PILING | SO FT | 24,711 | | | | 24,711 | | | | | | | | | | | |
| X5210120 | HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 250K | EACH | 8 | | | | 8 | | | | | | | | | | | |
| X5210780 | HIGH LOAD MULTI-ROTATIONAL BEARINGS, NON-GUIDED EXPANSION, 250K | EACH | 12 | | | | 12 | | | | | | | | | | | |
| X5210850 | HIGH LOAD MULTI-ROTATIONAL BEARINGS, NON-GUIDED EXPANSION, 600K | EACH | 4 | | | | | 4 | | | | | | | | | | |
| X5426018 | PRECAST REINFORCED CONCRETE FLARED DROP BOX END SECTIONS 18" | EACH | 1 | 1 | | | | | | | | | | | | | | |
| X5426030 | PRECAST REINFORCED CONCRETE FLARED DROP BOX END SECTIONS 30" | EACH | 1 | 1 | | | | | | | | | | | | | | |
| X550A562 | TEMPORARY STORM SEWERS, CLASS A, TYPE 2 12" | FOOT | 489 | 489 | | | | | | | | | | | | | | |
| X550A566 | TEMPORARY STORM SEWERS, CLASS A, TYPE 2 15" | FOOT | 1,108 | 1,108 | | | | | | | | | | | | | | |
| X550A570 | TEMPORARY STORM SEWERS, CLASS A, TYPE 2 18" | FOOT | 1,488 | 1,488 | | | | | | | | | | | | | | |
| X550A576 | TEMPORARY STORM SEWERS, CLASS A, TYPE 2 24" | FOOT | 453 | 453 | | | | | | | | | | | | | | |
| X5860110 | GRANULAR BACKFILL FOR STRUCTURES | CU YD | 1,145 | | 317 | | | 828 | | | | | | | | | | |

* SPECIALTY ITEMS

| | | |
|------------------------------------|----------------------|-----------------------------|
| FILE NAME * | DESIGNED - EJA | REVISED <u>2/10/23/2012</u> |
| ...General\10468620-shc-500-28.dgn | DRAWN - TMB | REVISED - |
| USER NAME * jreambillo | CHECKED - JNR | REVISED - |
| PLOT DATE * 7/30/2012 | DATE - JULY 20, 2012 | REVISED - |



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS SHEET NO. 28 OF 34 SHEETS STA. TO STA.

| | | | | |
|------------------------------|---------|----------|--------------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90-114R(14)HB-4,14,14HV(B)BR | | TAZEWELL | 2433 | 35 |
| ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 68620 | |

| SUMMARY OF QUANTITIES | URBAN | UNIT | TOTAL QUANTITY | LOIE | LICE | | | | | LOIE | 90% FEDERAL LICE | 10% STATE | LOIE | LICE | | | 100% VILLAGE OF MORTON |
|-----------------------|--|--------|----------------|-----------------------------|--------------------------------------|---|------------------------|-------------------------------|--------------------------|-----------------------|------------------|-----------|---------|-------------|-----------------------------------|--------------------|-------------------------------|
| | | | | ROADWAY FAI 74 / FAI 155 | I-155 OVER I-74 (RAMPS G & H) | I-74 OVER ABANDONED RAILROAD DEMOLITION | I-74 OVER JEFFERSON ST | I-74 OVER US 150 (JACKSON ST) | I-74 / I-155 | MORTON AVE. OVER I-74 | TRAFFIC SIGNALS | LIGHTING | SIGNING | LANDSCAPING | INTELLIGENT TRANSPORTATION SYSTEM | PINECREST DR PLANS | EMERGENCY VEHICLE PRE-EMPTION |
| | | | | I-74 / I-155 | SN 090-0165 (SB) SN 090-0166 (NB) | SN 090-0014 (WB) SN 090-0015 (EB) | SN 090-0167 | SN 090-0169 | OVERHEAD SIGN STRUCTURES | SN 090-0141 | 0021 | 0021 | 0021 | 0031 | 0021 | 0014 | 0021 |
| X6700410 | ENGINEER'S FIELD OFFICE, TYPE A (SPECIAL) | CAL MO | 32 | 32 | | | | | | | | | | | | | |
| X6700600 | ENGINEER'S FIELD LABORATORY (SPECIAL) | CAL MO | 32 | 32 | | | | | | | | | | | | | |
| X7010216 | TRAFFIC CONTROL AND PROTECTION, (SPECIAL) | L SUM | 1 | 0.5 | 0.5 | △ | | | | | | | | | | | |
| X7010240 | TRAFFIC CONTROL SURVEILLANCE (SPECIAL) | CAL DA | 562 | 562 | | | | | | | | | | | | | |
| X7200056 | TEMPORARY SIGN PANEL ASSEMBLY | SO FT | 3,156 | 3156 | | | | | | | | | | | | | |
| X7200057 | TEMPORARY SIGN PANEL OVERLAY | SO FT | 528 | 528 | | | | | | | | | | | | | |
| X7350100 | RELOCATE OVERHEAD SIGN STRUCTURE - SPAN, SPECIAL | EACH | 1 | | | | | | | | | | | | 1 | | |
| * X7830068 | GROOVING FOR RECESSED PAVEMENT MRKNG, LETTERS, NUMBERS & SYMBOLS | SO FT | 982 | 982 | | | | | | | | | | | | | |
| * X7830070 | GROOVING FOR RECESSED PAVEMENT MARKING 5" | FOOT | 141,981 | 141,981 | | | | | | | | | | | | | |
| * X7830074 | GROOVING FOR RECESSED PAVEMENT MARKING 7" | FOOT | 21,093 | 21,093 | | | | | | | | | | | | | |
| * X7830076 | GROOVING FOR RECESSED PAVEMENT MARKING 9" | FOOT | 22,316 | 22,316 | | | | | | | | | | | | | |
| * X7830078 | GROOVING FOR RECESSED PAVEMENT MARKING 13" | FOOT | 3,034 | 3,034 | | | | | | | | | | | | | |
| * X7830090 | GROOVING FOR RECESSED PAVEMENT MARKING 25" | FOOT | 371 | 371 | | | | | | | | | | | | | |
| X8110521 | CONDUIT ATTACHED TO STRUCTURE, 1" DIA. STAINLESS STEEL | FOOT | 501 | | | | | | | | | | | | 501 | | |

* SPECIALTY ITEMS

| | | |
|-----------------------------------|----------------------|----------------------|
| FILE NAME * | DESIGNED - EJA | REVISED △ 10/23/2012 |
| ...General\0468620-shr-SD0_30.dgn | DRAWN - TMB | REVISED - |
| USER NAME * jreambillo | CHECKED - JNR | REVISED - |
| PLOT DATE * 7/30/2012 | DATE - JULY 20, 2012 | REVISED - |



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS SHEET NO. 30 OF 34 SHEETS STA. TO STA.

| | | | | |
|---------------------------|----------|--------|---------------------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90-114R(14HB-4,14,14HB)BR | TAZEWELL | 2433 | 37 | |
| CONTRACT NO. 68620 | | | ILLINOIS FED. AID PROJECT | |

| SUMMARY OF QUANTITIES | | | | LOIE | | LICE | | | | LOIE | | 90% FEDERAL LICE | | 10% STATE LOIE | | LICE | | 100% VILLAGE OF MORTON |
|-----------------------|--|-------|----------------|------------------|--------------|-------------------------------|--------------|---------------------|--------------|--------------------------|-----------------|------------------|---------|----------------|-----------------------------------|--------------------|-------------------------------|--------------------------------------|
| CODE | ITEM | UNIT | TOTAL QUANTITY | ROADWAY | I-155 OVER | I-74 OVER | I-74 OVER | I-74 OVER | I-74 / I-155 | MORTON AVE. | TRAFFIC SIGNALS | LIGHTING | SIGNING | LANDSCAPING | INTELLIGENT TRANSPORTATION SYSTEM | PINECREST DR PLANS | EMERGENCY VEHICLE PRE-EMPTION | |
| | | | | FAI 74 / FAI 155 | (RAMP G & H) | ABANDONED RAILROAD DEMOLITION | JEFFERSON ST | US 150 (JACKSON ST) | OVER I-74 | OVERHEAD SIGN STRUCTURES | | | | | | | | SN 090-0165 (SB) SN 090-0166 (NB) |
| X8110522 | CONDUIT ATTACHED TO STRUCTURE, 2" DIA. STAINLESS STEEL | FOOT | 515 | | | | | | | | | 515 | | | | | | |
| X8110551 | CONDUIT, FLEXIBLE NONMETALLIC, WEATHERPROOF, 1.0" DIAMETER | FOOT | 60 | | | | | | | | | 60 | | | | | | |
| X8360110 | LIGHT POLE FOUNDATION, SPECIAL | FOOT | 260 | | | | | | | | | 260 | | | | | | |
| X8360310 | LIGHT POLE FOUNDATION, 30" DIAMETER, SPECIAL | FOOT | 24 | | | | | | | | | 24 | | | | | | |
| X8410102 | TEMPORARY LIGHTING SYSTEM | L SUM | 1 | | | | | | | | | 1 | | | | | | |
| *X8570226 | FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL | EACH | 1 | | | | | | | | | | 1 | | | | | |
| *X8570231 | FULL-ACTUATED CONTROLLER AND TYPE V CABINET, SPECIAL | EACH | 1 | | | | | | | | | | 1 | | | | | |
| *X8710030 | FIBER OPTIC CABLE 48 FIBERS, SINGLE MODE | FOOT | 17,729 | | | | | | | | | | | | 17,729 | | | |
| *X8710050 | FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH | EACH | 13 | | | | | | | | | | | | 13 | | | |
| *X8730810 | ELECTRIC CABLE IN CONDUIT, CONOGA-30003 | FOOT | 2,000 | 2,000 | | | | | | | | | | | | | | |
| X8780107 | CONCRETE FOUNDATION (SPECIAL) | FOOT | 11 | | | | | | | | | | | | 11 | | | |
| Z0001002 | GUARDRAIL AGGREGATE EROSION CONTROL | TON | 1,519 | 1,202 | 317 | | | | | | | | | | | | | |
| Z0013798 | CONSTRUCTION LAYOUT | L SUM | 1 | 1 | | | | | | | | | | | | | | |
| Z0018600 | DRAINAGE STRUCTURES TO BE RECONSTRUCTED | EACH | 7 | 7 | | | | | | | | | | | | | | |
| Z0020800 | EROSION CONTROL CURB | FOOT | 11 | 11 | | | | | | | | | | | | | | |

* SPECIALTY ITEMS

| | | |
|---|----------------------|----------------------|
| FILE NAME : ...General\0466628-ent-S00_31.dgn | DESIGNED - EJA | REVISED 2/10/23/2012 |
| USER NAME : jraumbillo | DRAWN - TMS | REVISED - |
| PLOT DATE : 7/30/2012 | CHECKED - JNR | REVISED - |
| | DATE - JULY 20, 2012 | REVISED - |



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION


SUMMARY OF QUANTITIES

SCALE: NTS SHEET NO. 31 OF 34 SHEETS STA. TO STA.

| | | | | |
|---------------------------|----------|--------|--------------|--------------------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90-114R(14B-4,14,14HVB)BR | TAZEWELL | 2433 | 38 | CONTRACT NO. 68620 |

| SUMMARY OF QUANTITIES | | | | LOIE | | LICE | | | | LOIE | | 90% FEDERAL LICE | | 10% STATE | | LOIE | | LICE | | 100% VILLAGE OF MORTON |
|-----------------------|---|-------|----------------|------------------|--------------|-------------------------------|--------------|---------------------|------------------|------------------|------------------|------------------|----------|-----------|-------------|-----------------------------------|--------------------|-------------------------------|--|------------------------|
| CODE | ITEM | UNIT | TOTAL QUANTITY | ROADWAY | I-155 OVER | I-74 OVER | I-74 OVER | I-74 OVER | I-74 OVER | I-74 / I-155 | MORTON AVE. | TRAFFIC SIGNALS | LIGHTING | SIGNING | LANDSCAPING | INTELLIGENT TRANSPORTATION SYSTEM | PINECREST DR PLANS | EMERGENCY VEHICLE PRE-EMPTION | | |
| | | | | FAI 74 / FAI 155 | (RAMP) G & H | ABANDONED RAILROAD DEMOLITION | JEFFERSON ST | US 150 (JACKSON ST) | SN 099-0165 (SB) | SN 099-0166 (NB) | SN 090-0014 (WB) | | | | | | | | | SN 090-0015 (EB) |
| Z0022800 | FENCE REMOVAL | FOOT | 19,217 | 19,217 | | | | | | | | | | | | | | | | |
| Z0023600 | FILLING EXISTING CULVERTS | EACH | 1 | 1 | | | | | | | | | | | | | | | | |
| Z0026407 | TEMPORARY SHEET PILING | SO FT | 7,463 | | | 2,785 | 2,425 | 2,253 | | | | | | | | | | | | |
| Z0028462 | GEOTEXTILE RETAINING WALL | SO FT | 4,144 | 4,144 | | | | | | | | | | | | | | | | |
| Z0029999 | IMPACT ATTENUATOR REMOVAL | EACH | 6 | 6 | | | | | | | | | | | | | | | | |
| Z0030240 | IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 2 | EACH | 9 | 9 | | | | | | | | | | | | | | | | |
| Z0030250 | IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3 | EACH | 34 | 9 | 25 | | | | | | | | | | | | | | | |
| * Z0030255 | IMPACT ATTENUATORS, TEMP. (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2 | EACH | 7 | 7 | | | | | | | | | | | | | | | | |
| * Z0030260 | IMPACT ATTENUATORS, TEMP. (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3 | EACH | 8 | 4 | 4 | | | | | | | | | | | | | | | |
| * Z0030320 | IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE), TEST LEVEL 2 | EACH | 1 | 1 | | | | | | | | | | | | | | | | |
| * Z0030330 | IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE), TEST LEVEL 3 | EACH | 4 | 4 | | | | | | | | | | | | | | | | |
| Z0030340 | IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 2 | EACH | 3 | 3 | | | | | | | | | | | | | | | | |

* SPECIALTY ITEMS

| | | | | | | | | | | | |
|---|----------------|-----------------------------|---|---|---------------------------|----------|---------------------------|---------|--------|--------------|-----------|
| FILE NAME: ...General\10468620-shc-500_32.dgn | DESIGNED - EJA | REVISED <u>2</u> 10/23/2012 |  benesch engineers • scientists • planners | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | SUMMARY OF QUANTITIES | | F.A.J. RITE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| USER NAME: jreambillo | DRAWN - TMB | REVISED - | | | 90-14R(14NB-4,14,14HV)1BR | TAZEWELL | 2433 | 39 | | | |
| PLOT DATE: 7/30/2012 | CHECKED - JNR | REVISED - | | | CONTRACT NO. 68620 | | ILLINOIS FED. AID PROJECT | | | | |

| SUMMARY OF QUANTITIES | | | | LOIE | LICE | | | | | LOIE | 90% FEDERAL LICE | 10% STATE | LOIE | | | | LICE | 100% VILLAGE OF MORTON |
|-----------------------|---|-------|----------------|-----------------------------|--------------------------------------|--|---------------------------|-------------------------------------|-----------------------------|--------------------------|------------------|-----------|---------|-------------|---|-----------------------|-------------------------------------|------------------------|
| CODE | ITEM | UNIT | TOTAL QUANTITY | ROADWAY FAI 74 / FAI 155 | I-155 OVER I-74 (RAMPS G & H) | I-74 OVER ABANDONED RAILROAD DEMOLITION | I-74 OVER JEFFERSON ST | I-74 OVER US 150 (JACKSON ST) | OVERHEAD SIGN STRUCTURES | 90% FEDERAL LICE | TRAFFIC SIGNALS | LIGHTING | SIGNING | LANDSCAPING | INTELLIGENT TRANSPORTATION SYSTEM | PINECREST DR PLANS | EMERGENCY VEHICLE PRE-EMPTION | |
| | | | | I-74 / I-155 | SN 090-0165 (SB) SN 090-0166 (NB) | SN 090-0014 (WB) SN 090-0015 (EB) | SN 090-0167 | SN 090-0169 | | MORTON AVE. OVER I-74 | | | | | | | | SN 090-0141 |
| Z0030350 | IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3 | EACH | 27 | 27 | | | | | | | | | | | | | | |
| Z0032400 | JOINT REPAIR | EACH | 20 | 20 | | | | | | | | | | | | | | |
| Z0033052 | COMMUNICATIONS VAULT | EACH | 6 | | | | | | | | | | | | 6 | | | |
| Z0033068 | TRAFFIC SIGNAL BATTERY BACKUP SYSTEM | EACH | 2 | | | | | | | | 2 | | | | | | | |
| Z0046304 | PIPE UNDERDRAINS FOR STRUCTURES 4" | FOOT | 1,596 | | 246 | | 1,007 | 343 | | | | | | | | | | |
| Z0048665 | RAILROAD PROTECTIVE LIABILITY INSURANCE | L SUM | 1 | | | | | | | | | | | | 1 | | | |
| Z0051200 | REMOVING AND REPLACING EXPANSION JOINT | FOOT | 82 | 82 | | | | | | | | | | | | | | |
| Z0056100 | SAND DRAINAGE BLANKET | CU YD | 74,619 | 74,619 | | | | | | | | | | | | | | |
| Z0062456 | TEMPORARY PAVEMENT | SO YD | 129,532 | 129,532 | | | | | | | | | | | | | | |
| Z0065100 | SETTLEMENT PLATFORMS | EACH | 13 | 13 | | | | | | | | | | | | | | |
| Z0065745 | SLOTTED DRAIN 12" WITH 2 1/2" SLOT | FOOT | 325 | 325 | | | | | | | | | | | | | | |
| Z0073002 | TEMPORARY SOIL RETENTION SYSTEM | SO FT | 2,492 | | | | 2,492 | | | | | | | | | | | |

* SPECIALTY ITEMS

| | | |
|-----------------------------------|----------------------|-----------------------------|
| FILE NAME * | DESIGNED - | REVISED <u>2/10/23/2012</u> |
| ...General\0468620-sht-900_33.dgn | DRAWN - | REVISED - |
| USER NAME = grembillo | CHECKED - | REVISED - |
| PLOT DATE = 7/30/2012 | DATE - JULY 20, 2012 | REVISED - |

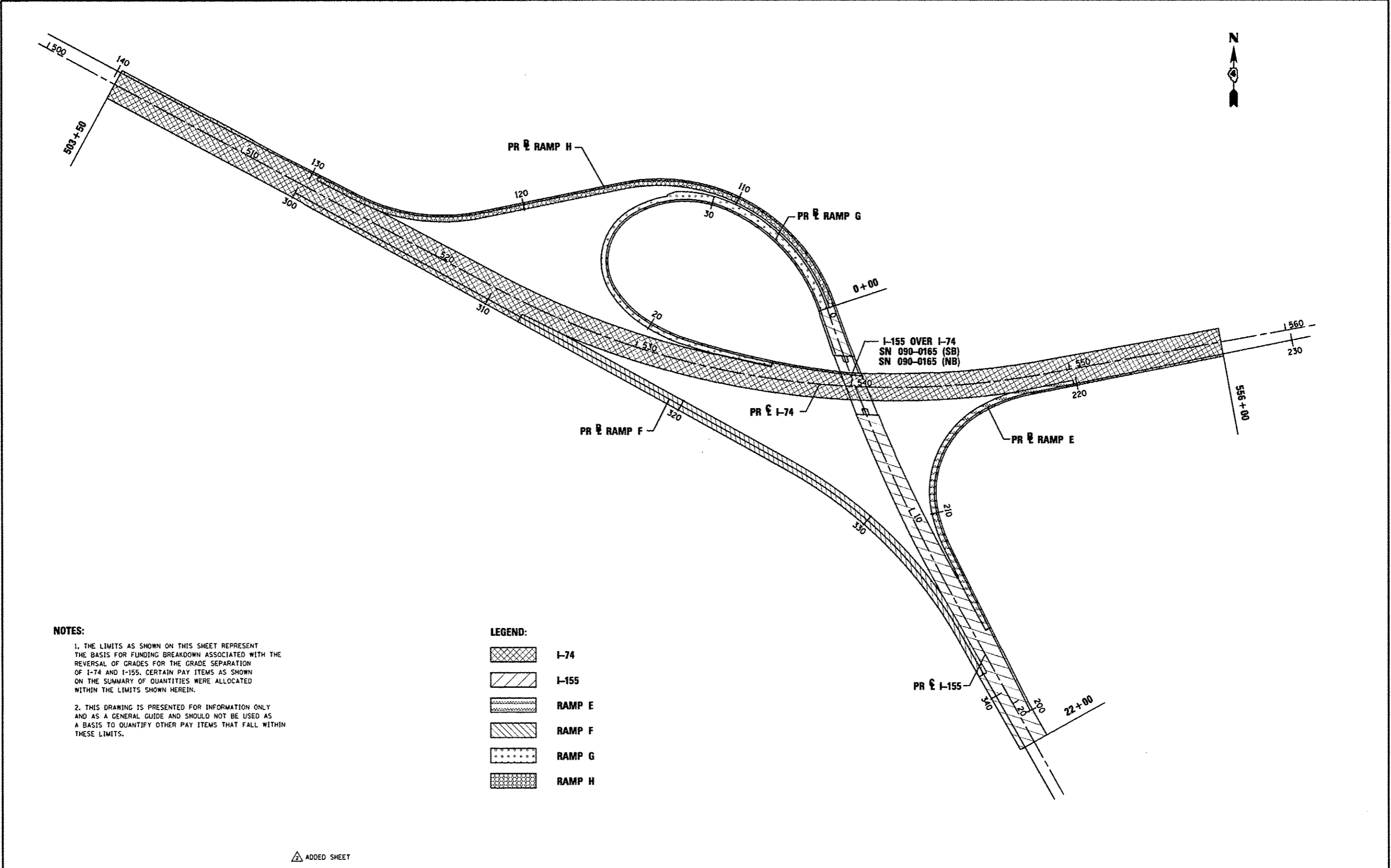


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NTS SHEET NO. 33 OF 34 SHEETS STA. TO STA.

| | | | | |
|-------------------------------|---------|----------|---------------------------|--------------|
| F.A.J. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| • 90-[14R;14HB-4,14,14HV]B[R] | | TAZEWELL | 2433 | 40 |
| CONTRACT NO. 68620 | | | ILLINOIS FED. AID PROJECT | |



NOTES:

1. THE LIMITS AS SHOWN ON THIS SHEET REPRESENT THE BASIS FOR FUNDING BREAKDOWN ASSOCIATED WITH THE REVERSAL OF GRADES FOR THE GRADE SEPARATION OF I-74 AND I-155. CERTAIN PAY ITEMS AS SHOWN ON THE SUMMARY OF QUANTITIES WERE ALLOCATED WITHIN THE LIMITS SHOWN HEREIN.

2. THIS DRAWING IS PRESENTED FOR INFORMATION ONLY AND AS A GENERAL GUIDE AND SHOULD NOT BE USED AS A BASIS TO QUANTIFY OTHER PAY ITEMS THAT FALL WITHIN THESE LIMITS.

LEGEND:

- I-74
- I-155
- RAMP E
- RAMP F
- RAMP G
- RAMP H

▲ ADDED SHEET

| | | | |
|---|------------|-----------|----------------|
| FILE NAME * | DESIGNED - | REVISED - | ▲ 10/23/12 JNR |
| ...D468628\Funding\Split\Location\Map.dgn | DRAWN - | REVISED - | |
| USER NAME * jreanillo | CHECKED - | REVISED - | |
| PLOT DATE * 10/22/2012 | DATE - | REVISED - | |



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| | | | |
|---|-----------|-----------|--------------|
| STRUCTURES FUNDING BREAKDOWN | | | |
| I-155 OVER I-74 | | | |
| SN 090-0165 (SB), SN 090-0165 (NB) | | | |
| SCALE: | SHEET NO. | OF SHEETS | STA. TO STA. |

| | | | | |
|-------------------------------|---------|----------|--------------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| • 90-I14R(14)B-4,14,14HVB(BR) | | TAZEWELL | 2433 | 410 |
| | | | CONTRACT NO. 68620 | |
| ILLINOIS FED. AID PROJECT | | | | |

EARTHWORK SCHEDULE

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
|--|----------------------------|-----------------------------|---|----------------------|---|------------------------------|-----------------------------|
| STAGE & LOCATION | EARTH EXCAVATION (CU. YD.) | UNSTABLE MATERIAL (CU. YD.) | EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE (26% FACTOR) (CU. YD.) | EMBANKMENT (CU. YD.) | EARTHWORK BALANCE WASTE (+) OR BORROW (-) (CU. YD.) | TOPSOIL EXCAVATION (CU. YD.) | TOPSOIL PLACEMENT (CU. YD.) |
| PRESTAGE | | | | | | | |
| TEMPORARY MORTON RAMP F | | | | | | | |
| STA. 2004+50 TO STA. 2012+50 | 184 | 0 | 138 | 353 | -215 | 0 | 0 |
| PRESTAGE-SUBSTAGE B | | | | | | | |
| MORTON AVE | | | | | | | |
| STA. 31+83.04 TO STA. 43+00 | 460 | 0 | 345 | 28 | 317 | 0 | 0 |
| PRESTAGE-SUBSTAGE C | | | | | | | |
| MORTON AVE | | | | | | | |
| STA. 23+05.00 TO STA. 31+35.93 | 244 | 0 | 183 | 1 | 182 | 261 | 0 |
| STA. 42+00.00 TO STA. 45+35.41 | 121 | 0 | 90 | 0 | 90 | 190 | 0 |
| STAGE SUB-TOTAL | 1008 | 0 | 766 | 382 | 374 | 460 | 0 |
| STAGE 1 | | | | | | | |
| I-74 | | | | | | | |
| 460+51.32 TO STA. 539+00.63 | 4,341 | 4,048 | 6,292 | 10,242 | -3,950 | 6,335 | 0 |
| STA. 541+10.22 TO STA. 549+38.99 | 37 | 0 | 28 | 1,135 | -1,107 | 996 | 0 |
| STA. 551+10.25 TO STA. 557+80.20 | 137 | 59 | 147 | 1,107 | -960 | 804 | 0 |
| STA. 559+70.36 TO STA. 567+09.94 | 188 | 896 | 821 | 921 | -100 | 867 | 0 |
| STA. 570+23.37 TO STA. 622+00.00 | 1,146 | 1,432 | 1,933 | 3,866 | -1,933 | 3,584 | 0 |
| MORTON AVE | | | | | | | |
| STA. 31+63.99 TO STA. 35+00.00 | 532 | 0 | 399 | 997 | -598 | 244 | 28 |
| STA. 38+00.00 TO STA. 42+32.80 | 679 | 0 | 509 | 381 | 128 | 291 | 48 |
| MORTON RAMP E | | | | | | | |
| STA. 18+00.00 TO STA. 23+00.00 | 6 | 0 | 5 | 310 | -305 | 310 | 330 |
| MORTON RAMP F | | | | | | | |
| STA. 1015+30.00 TO STA. 1020+20 | 10 | 0 | 8 | 21,085 | -21,077 | 962 | 0 |
| TEMPORARY RAMP F | | | | | | | |
| STA. 2008+50.00 TO STA. 2013+50.00 | 5 | 0 | 4 | 14,105 | -14,101 | 0 | 0 |
| MATERIAL AVAILABLE FROM PRESTAGE - SUBSTAGE B & C | | | | | | | |
| STAGE SUB-TOTAL | 7,091 | 6,436 | 10,736 | 54,148 | -43,413 | 14,393 | 406 |
| STAGE 1B | | | | | | | |
| MORTON AVE | | | | | | | |
| STA. 26+94.00 TO STA. 31+63.99 | 887 | 0 | 666 | 339 | 327 | 399 | 137 |
| STA. 42+32.80 TO STA. 49+30.67 | 1,324 | 0 | 993 | 0 | 993 | 0 | 0 |
| MORTON RAMP E | | | | | | | |
| STA. 16+00 TO STA. 18+27.92 | 108 | 0 | 81 | 1,142 | -1,061 | 481 | 134 |
| STAGE SUB-TOTAL | 2,919 | 0 | 1,740 | 1,481 | 259 | 880 | 271 |
| STAGE 2A | | | | | | | |
| I-74 | | | | | | | |
| 472+99.99 TO STA. 520+00 | 4,570 | 1,048 | 4,214 | 15,086 | -10,872 | 8,862 | 3,020 |
| STA. 556+50.00 TO STA. 558+09.46 | 376 | 0 | 282 | 3,501 | -3,219 | 604 | 190 |
| STA. 559+99.62 TO STA. 566+88.77 | 1,585 | 461 | 1,535 | 3,597 | -2,062 | 2,053 | 644 |
| STA. 570+50.00 TO STA. 581+50.00 | 2,148 | 560 | 2,031 | 15,365 | -13,334 | 3,905 | 1,181 |
| MORTON RAMP F | | | | | | | |
| STA. 1007+00.00 TO STA. 1015+30.00 | 333 | 778 | 633 | 10,569 | -9,736 | 2,038 | 430 |
| TEMPORARY RAMP F | | | | | | | |
| STA. 800+00 TO STA. 833+00 | 1,941 | 0 | 1,456 | 8,671 | -7,215 | 8,338 | 0 |
| MATERIAL AVAILABLE FROM STAGE 1B | | | | | | | |
| STAGE SUB-TOTAL | 10,963 | 2,848 | 10,610 | 56,789 | -46,179 | 25,801 | 5,464 |
| STAGE 2B | | | | | | | |
| TEMPORARY I-74 | | | | | | | |
| STA. 700+00.00 TO STA. 710+46.18 | 77 | 0 | 58 | 2,257 | -2,199 | 0 | 0 |
| STAGE SUB-TOTAL | 77 | 0 | 68 | 2,257 | -2,199 | 0 | 0 |
| STAGE 3A | | | | | | | |
| I-74 | | | | | | | |
| STA. 464+54.72 TO STA. 511+25.00 | 5,700 | 1,282 | 5,237 | 8,174 | -2,937 | 8,697 | 2,930 |
| STA. 556+50.00 TO STA. 557+49.82 | 116 | 44 | 120 | 1,576 | -1,456 | 232 | 89 |
| STA. 559+40.43 TO STA. 566+74.46 | 920 | 405 | 993 | 3,777 | -2,784 | 2,257 | 716 |
| STA. 570+43.21 TO STA. 586+50.00 | 1,289 | 367 | 1,257 | 12,012 | -10,755 | 4,408 | 1,502 |
| MORTON RAMP E | | | | | | | |
| STA. 18+27.92 TO STA. 22+93.87 | 643 | 0 | 462 | 5,268 | -4,786 | 1,346 | 385 |
| MORTON RAMP F | | | | | | | |
| STA. 1014+50.00 TO STA. 1017+89.09 | 769 | 0 | 577 | 30 | 547 | 0 | 0 |
| MORTON RAMP F INFIELD | | | | | | | |
| STA. 710+46.18 TO STA. 722+50.00 | 6,485 | 0 | 4,864 | 33,706 | -28,842 | 0 | 0 |
| STAGE SUB-TOTAL | 60,372 | 2,118 | 39,368 | 68,486 | -29,118 | 24,392 | 6,823 |

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) |
|---|----------------------------|-----------------------------|---|----------------------|---|------------------------------|-----------------------------|
| STAGE & LOCATION | EARTH EXCAVATION (CU. YD.) | UNSTABLE MATERIAL (CU. YD.) | EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE (26% FACTOR) (CU. YD.) | EMBANKMENT (CU. YD.) | EARTHWORK BALANCE WASTE (+) OR BORROW (-) (CU. YD.) | TOPSOIL EXCAVATION (CU. YD.) | TOPSOIL PLACEMENT (CU. YD.) |
| STAGE 3B | | | | | | | |
| I-74 | | | | | | | |
| STA. 581+00.00 TO STA. 589+08.77 | 434 | 146 | 435 | 240 | 195 | 117 | 12 |
| MORTON RAMP E | | | | | | | |
| STA. 22+93.87 TO STA. 24+50 | 142 | 0 | 106 | 322 | -216 | 243 | 44 |
| STAGE SUB-TOTAL | 576 | 146 | 541 | 562 | -21 | 361 | 56 |
| STAGE 4 | | | | | | | |
| I-74 | | | | | | | |
| STA. 548+00.00 TO STA. 556+50.00 | 5,437 | 0 | 4,078 | 16,559 | -12,481 | 3,554 | 1,191 |
| MORTON AVE | | | | | | | |
| STA. 31+63.99 TO STA. 34+85.26 | 569 | 0 | 427 | 44 | 383 | 89 | 0 |
| STA. 38+00.00 TO STA. 38+56.87 | 130 | 0 | 98 | 34 | 64 | 43 | 12 |
| STA. 43+00 TO STA. 49+30.67 | 1,026 | 0 | 16 | 16 | 100 | 100 | 10 |
| MORTON RAMP B | | | | | | | |
| STA. 4+01.89 TO STA. 9+00.00 | 275 | 0 | 206 | 1,742 | -1,536 | 888 | 241 |
| MORTON RAMP B INFIELD | | | | | | | |
| STA. 18+50 TO STA. 27+06.40 | 5,101 | 0 | 3,826 | 248 | 3,578 | 1,229 | 615 |
| MORTON RAMP E | | | | | | | |
| STA. 904+20.10 TO STA. 908+50 | 3,631 | 0 | 2,723 | 12,435 | -9,712 | 0 | 0 |
| STAGE SUB-TOTAL | 16,372 | 0 | 11,610 | 31,212 | -19,686 | 8,023 | 2,769 |
| STAGE 4B | | | | | | | |
| MORTON AVE | | | | | | | |
| STA. 42+17.80 TO STA. 42+99.50 | 97 | 0 | 73 | 1 | 72 | 0 | 37 |
| STAGE SUB-TOTAL | 97 | 0 | 73 | 1 | 72 | 0 | 37 |
| STAGE 5 | | | | | | | |
| I-74 | | | | | | | |
| STA. 552+00.00 TO STA. 556+50.00 | 972 | 0 | 729 | 63 | 666 | 0 | 0 |
| TEMPORARY I-74 | | | | | | | |
| STA. 722+50.00 TO STA. 735+34.65 | 8,943 | 0 | 6,707 | 42,330 | -35,623 | 0 | 0 |
| TEMPORARY RAMP E2 | | | | | | | |
| STA. 901+19.39 TO STA. 904+69.99 | 0 | 0 | 0 | 4,606 | -4,606 | 0 | 0 |
| MATERIAL AVAILABLE FROM STAGE 4B | | | | | | | |
| STAGE SUB-TOTAL | 9,916 | 0 | 7,508 | 47,000 | -39,491 | 0 | 0 |
| STAGE 6 | | | | | | | |
| I-74 | | | | | | | |
| STA. 508+25.00 TO STA. 517+80.78 | 212 | 0 | 169 | 2,381 | -2,222 | 0 | 0 |
| STA. 552+00.00 TO STA. 556+50.00 | 1,730 | 0 | 1,298 | 21 | 1,277 | 0 | 0 |
| TEMPORARY I-74 | | | | | | | |
| STA. 700+00.00 TO STA. 710+46.47 | 278 | 0 | 208 | 2,528 | -2,320 | 0 | 0 |
| STA. 725+00.00 TO STA. 735+34.65 | 8,618 | 0 | 6,463 | 3,114 | 3,349 | 0 | 0 |
| STAGE SUB-TOTAL | 10,838 | 0 | 8,128 | 8,045 | 83 | 0 | 0 |
| STAGE 7A | | | | | | | |
| I-74 | | | | | | | |
| STA. 508+25.00 TO STA. 517+80.78 | 355 | 313 | 501 | 7,255 | -6,754 | 2,061 | 655 |
| STA. 552+00.00 TO STA. 556+50.00 | 3,536 | 0 | 2,652 | 8,590 | -5,938 | 1,790 | 576 |
| TEMPORARY I-74 | | | | | | | |
| STA. 700+00.00 TO STA. 705+19.19 | 26 | 0 | 19 | 1,189 | -1,170 | 0 | 0 |
| STA. 729+34.19 TO STA. 735+34.65 | 5,106 | 0 | 3,829 | 1,411 | 2,418 | 0 | 0 |
| MATERIAL AVAILABLE FROM STAGE 6 | | | | | | | |
| STAGE SUB-TOTAL | 9,022 | 313 | 7,084 | 18,445 | -11,361 | 3,852 | 1,231 |
| STAGE 7B | | | | | | | |
| I-165 | | | | | | | |
| STA. 14+00 TO STA. 35+90.00 | 1,050 | 0 | 787 | 5,959 | -5,172 | 698 | 0 |
| RAMP E | | | | | | | |
| STA. 200+00.00 TO STA. 216+00.00 | 8,153 | 0 | 6,114 | 15,113 | -8,999 | 2,510 | 1,041 |
| STAGE SUB-TOTAL | 9,202 | 0 | 6,901 | 21,071 | -14,170 | 3,208 | 1,041 |
| STAGE 8 | | | | | | | |
| I-165 | | | | | | | |
| 13+33.08 TO STA. 35+90.00 | 1,180 | 563 | 1,299 | 9,573 | -8,274 | 976 | 0 |
| RAMP E INFIELD | | | | | | | |
| STA. 710+46.18 TO STA. 722+50.00 | 8,831 | 0 | 6,623 | 5,702 | 921 | 9,088 | 1,500 |
| STAGE SUB-TOTAL | 10,011 | 563 | 7,922 | 15,276 | -7,363 | 10,064 | 1,690 |

| | | |
|--|----------------------|------------------------|
| FILE NAME * ...10468028-sht-schedule_04.dgn | DESIGNED - EJA | REVISED - 10/23/12 JNR |
| USER NAME * jrambillo | DRAWN - TMB | REVISED - |
| PLOT DATE * 10/21/2012 | CHECKED - JNR | REVISED - |
| | DATE - JULY 20, 2012 | REVISED - |



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: NTS SHEET NO. 4 OF 6 SHEETS STA. TO STA.

| | | | | |
|---------------------------|---------|----------|--------------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90-114R(14B-4,14,14HVB)BR | | TAZEWELL | 2433 | 74 |
| ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 68620 | |

EARTHWORK SCHEDULE

| (1) STAGE & LOCATION | (2) EARTH EXCAVATION (CU. YD.) | (3) UNSTABLE* MATERIAL (CU. YD.) | (4) EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE (25% FACTOR) (CU. YD.) | (5) EMBANKMENT (CU. YD.) | (6) EARTHWORK BALANCE WASTE (+) OR BORROW (-) (CU. YD.) | (7) TOPSOIL EXCAVATION (CU. YD.) | (8) TOPSOIL PLACEMENT (CU. YD.) |
|---|---|---|--|--------------------------------|--|---|--|
| STAGE 9 | | | | | | | |
| I-74 | | | | | | | |
| STA. 517+80.78 TO STA. 552+01.28 | 68,876 | 278 | 51,716 | 9,353 | 42,363 | 6,052 | 1,545 |
| RAMP G INFIELD | 72,823 | 0 | 54,617 | 12,918 | 41,899 | 23,586 | 6,400 |
| RAMP H INFIELD | 5,536 | 0 | 4,152 | 14,277 | -10,125 | 14,112 | 4,300 |
| STAGE SUB-TOTAL | 147,035 | 278 | 110,486 | 36,548 | 73,937 | 43,760 | 12,245 |
| STAGE 10 | | | | | | | |
| I-74 | | | | | | | |
| STA. 517+80.78 TO STA. 552+00 | 43,812 | 0 | 32,859 | 3,014 | 29,845 | 488 | 0 |
| STAGE SUB-TOTAL | 43,812 | 0 | 32,859 | 3,014 | 29,845 | 488 | 0 |
| STAGE 11 | | | | | | | |
| I-74 | | | | | | | |
| STA. 518+00.00 TO STA. 526+76 | 2,949 | 0 | 2,212 | 631 | 1,581 | 13 | 223 |
| I-166 | | | | | | | |
| 13+14.02 TO STA. 35+65.74 | 2,303 | 1,634 | 2,953 | 8,639 | -5,686 | 3,156 | 1,081 |
| RAMP F | | | | | | | |
| STA. 314+00 TO STA. 334+00 | 5,037 | 0 | 3,777 | 64,281 | -60,504 | 3,107 | 3,481 |
| MATERIAL AVAILABLE FROM STAGES 9 & 10 | | | 103,782 | | 103,782 | | |
| STAGE SUB-TOTAL | 10,289 | 1,634 | 112,724 | 73,661 | 39,173 | 6,276 | 4,785 |
| STAGE 12 | | | | | | | |
| I-74 | | | | | | | |
| STA. 517+00.00 TO STA. 552+00.00 | 34,443 | 0 | 25,632 | 1,939 | 23,893 | 397 | 2,183 |
| I-166 | | | | | | | |
| 5+00.00 TO STA. 13+00.00 | 113 | 0 | 85 | 53,847 | -53,762 | 2,929 | 266 |
| 16+00.00 TO STA. 35+90.00 | 1,897 | 487 | 1,795 | 4,806 | -3,011 | 2,346 | 811 |
| RAMP G | | | | | | | |
| STA. 19+00.00 TO STA. 38+00.00 | 565 | 0 | 424 | 27,211 | -26,787 | 3,836 | 634 |
| RAMP H | | | | | | | |
| STA. 102+00.00 TO STA. 128+00.00 | 2,389 | 0 | 1,792 | 43,136 | -41,344 | 10,035 | 2,547 |
| RAMP F INFIELD | 21,942 | 0 | 16,457 | 33,943 | -17,486 | 16,116 | 3,800 |
| MATERIAL AVAILABLE FROM STAGE 11 | | | 39,173 | | 39,173 | | |
| STAGE SUB-TOTAL | 61,360 | 487 | 85,568 | 164,883 | -79,325 | 35,660 | 10,240 |
| STAGE 13 | | | | | | | |
| I-74 | | | | | | | |
| STA. 577+75.00 TO STA. 612+32.38 | 6,816 | 195 | 5,258 | 19,635 | -14,377 | 3,024 | 1,124 |
| MORTON AVE | | | | | | | |
| 32+00.00 TO STA. 35+00.00 | 170 | 0 | 128 | 745 | -617 | 206 | 19 |
| MORTON RAMP D | | | | | | | |
| STA. 1101+00.00 TO STA. 1110+00.00 | 32 | 5,833 | 4,399 | 15,477 | -11,078 | 1,492 | 0 |
| MORTON RAMP D INFIELD | 33,509 | 0 | 25,132 | 8,886 | 16,246 | 13,076 | 1,100 |
| STAGE SUB-TOTAL | 40,627 | 6,028 | 34,917 | 44,743 | -9,826 | 17,799 | 2,243 |
| STAGE 13B | | | | | | | |
| I-74 | | | | | | | |
| STA. 606+51.77 TO STA. 619+067.41 | 693 | 0 | 520 | 457 | 63 | 430 | 106 |
| MORTON AVE | | | | | | | |
| STA. 26+94 TO STA. 31+63.98 | 1,138 | 0 | 853 | 320 | 533 | 426 | 114 |
| STA. 38+57.72 TO STA. 42+17.80 | 416 | 0 | 312 | 2 | 310 | 0 | 0 |
| STAGE SUB-TOTAL | 2,247 | 0 | 1,685 | 779 | 906 | 856 | 220 |
| STAGE 14 | | | | | | | |
| I-74 | | | | | | | |
| STA. 577+78.93 TO STA. 609.62.83 | 3,619 | 72 | 2,768 | 1,333 | 1,435 | 658 | 169 |
| MORTON AVE | | | | | | | |
| 37+99.10 TO STA. 42+48.30 | 242 | 0 | 182 | 286 | -104 | 0 | 0 |
| STAGE SUB-TOTAL | 3,861 | 72 | 2,950 | 1,620 | 1,330 | 658 | 169 |
| STAGE 14B | | | | | | | |
| MORTON AVE | | | | | | | |
| STA. 27+00 TO STA. 34+50 | 266 | 0 | 200 | 652 | -452 | 0 | 0 |
| STA. 42+50 TO STA. 49+30.67 | 208 | 0 | 155 | 421 | -286 | 0 | 0 |
| MATERIAL AVAILABLE FROM STAGES 13B & 14 | | | 2,236 | | 2,236 | | |
| STAGE SUB-TOTAL | 472 | 0 | 2,691 | 1,073 | 1,618 | 0 | 0 |
| TOTAL | 447,448 | 20,923 | | | -302,142 | 196,909 | 49,500 |

*SEE NOTE 1 FOR TOTAL EARTH EXCAVATION

SEE NOTE 2

NOTES:

1. EXCAVATION FOR UNSTABLE MATERIAL WILL BE PAID FOR AS EARTH EXCAVATION.

TOTAL QUANTITY FOR EARTH EXCAVATION = 468,371 CU YD

2. TOPSOIL EXCAVATION AND PLACEMENT:

TOPSOIL EXCAVATION YIELDED 196,909 CU YD OF TOPSOIL THAT IS TO BE EXCAVATED BASED ON THE RECOMMENDED THICKNESS IN THE ROADWAY GEOTECHNICAL REPORT.

THE REQUIRED VOLUME OF TOPSOIL PLACEMENT IS 49,500 CU YD AS SHOWN ON THE CROSS SECTIONS AND FOR THE INFIELDS. THE EXCESS TOPSOIL IN THE AMOUNT OF 147,409 CU YD SHALL BE PLACED AT THE BORROW SITE.

| | | | |
|--------------------------------|------------|-----------|---------------|
| FILE NAME * | DESIGNED - | REVISED - | 10/23/12 JNR |
| ...1446628-sht-schedule_05.dgn | DRAWN - | REVISED - | |
| USER NAME * jreanillo | CHECKED - | REVISED - | |
| PLDT DATE * 10/21/2012 | DATE - | REVISED - | JULY 20, 2012 |



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: SHEET NO. 5 OF 6 SHEETS STA. TO STA.


| | | | | |
|---------------------------|-----------------------------|----------|--------------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 90-114R(14)B-4,14,14HVB(BR) | TAZEWELL | 2433 | 75 |
| | | | CONTRACT NO. 68620 | |
| ILLINOIS FED. AID PROJECT | | | | |

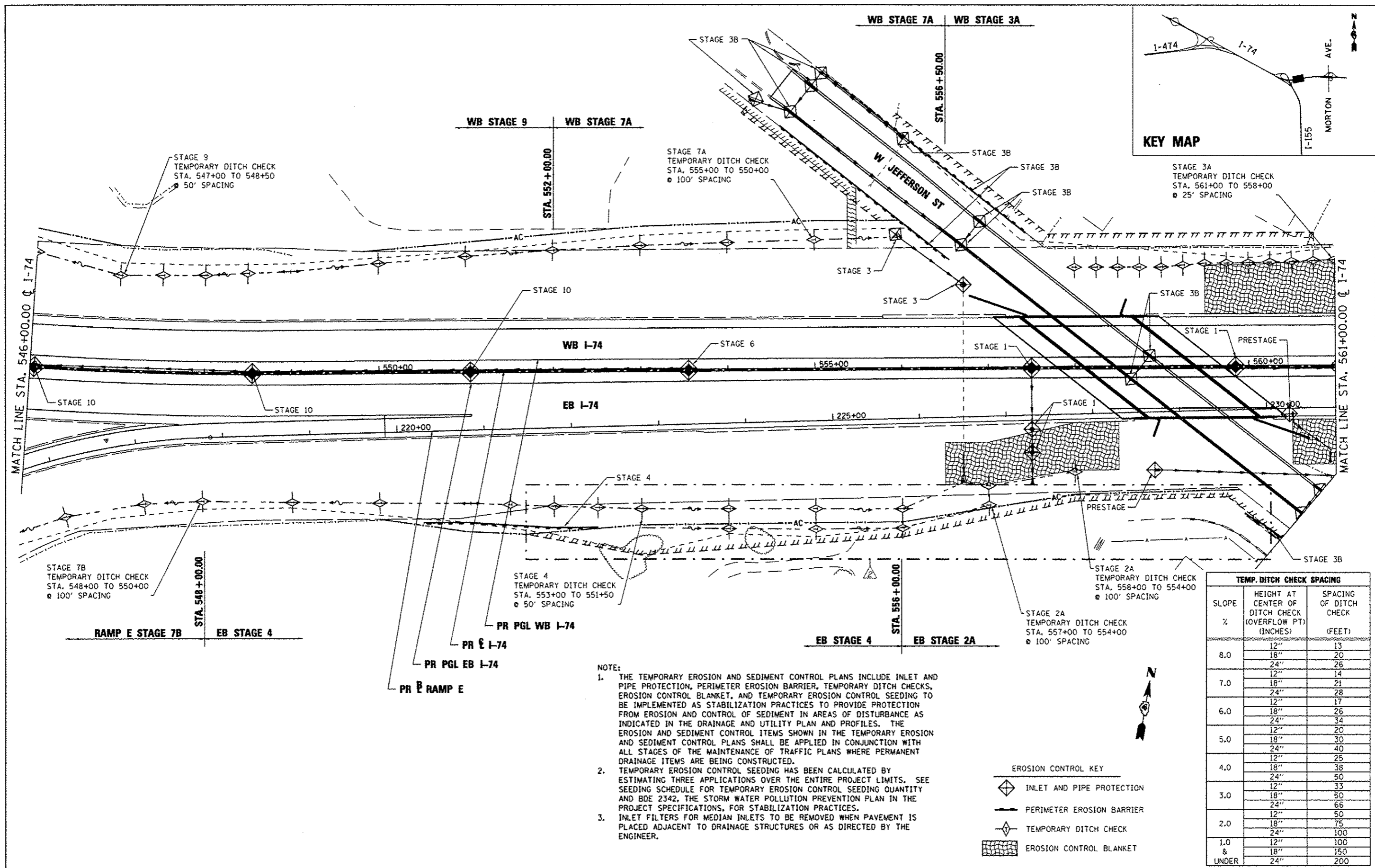
| LOCATION | | | PAVEMENT REMOVAL | DRIVEWAY PAVEMENT REMOVAL | COMBINATION CURB AND GUTTER REMOVAL | MEDIAN REMOVAL | PAVED DITCH REMOVAL | PAVED SHOULDER REMOVAL | CONCRETE HEADWALL REMOVAL | PIPE CULVERT REMOVAL | STORM SEWER REMOVAL 12" | STORM SEWER REMOVAL 15" | STORM SEWER REMOVAL 18" | STORM SEWER REMOVAL 24" |
|-------------|--------------|------------|------------------|---------------------------|-------------------------------------|----------------|---------------------|------------------------|---------------------------|----------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| ROAD | STATION FROM | STATION TO | SO YD | SO YD | FOOT | SO FT | FOOT | SO YD | EACH | FOOT | FOOT | FOOT | FOOT | FOOT |
| I-474 | - | 456+00.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| I-74 | 456+00.00 | 471+00.00 | 2573 | 0 | 0 | 0 | 54 | 3606 | 0 | 0 | 0 | 0 | 0 | 95 |
| I-74 | 471+00.00 | 486+00.00 | 11103 | 0 | 0 | 0 | 0 | 7289 | 0 | 0 | 0 | 0 | 0 | 95 |
| I-74 | 486+00.00 | 501+00.00 | 11986 | 0 | 0 | 0 | 0 | 6905 | 0 | 0 | 0 | 0 | 0 | 171 |
| I-74 | 501+00.00 | 516+00.00 | 12761 | 0 | 0 | 0 | 0 | 6590 | 2 | 175 | 0 | 0 | 0 | 0 |
| I-74 | 516+00.00 | 531+00.00 | 15544 | 0 | 0 | 0 | 0 | 9563 | 3 | 612 | 0 | 0 | 0 | 173 |
| RAMP G/H | 118+50.00 | 101+47.00 | 4968 | 0 | 0 | 0 | 0 | 3101 | 5 | 328 | 0 | 0 | 0 | 229 |
| I-74 | 531+00.00 | 546+00.00 | 12310 | 0 | 0 | 0 | 100 | 7713 | 5 | 0 | 172 | 156 | 0 | 168 |
| I-74 | 546+00.00 | 561+00.00 | 12700 | 0 | 226 | 3862 | 0 | 5353 | 0 | 0 | 0 | 174 | 60 | 0 |
| I-74 | 561+00.00 | 576+00.00 | 8824 | 108 | 0 | 826 | 0 | 4888 | 6 | 225 | 0 | 402 | 0 | 0 |
| I-74 | 576+00.00 | 591+00.00 | 12056 | 362 | 221 | 0 | 955 | 6987 | 4 | 384 | 0 | 179 | 0 | 20 |
| I-74 | 591+00.00 | 606+00.00 | 7668 | 0 | 731 | 5993 | 314 | 4319 | 0 | 0 | 0 | 0 | 0 | 72 |
| I-74 | 606+00.00 | 621+00.00 | 2692 | 0 | 0 | 0 | 0 | 2174 | 0 | 0 | 0 | 0 | 0 | 0 |
| I-74 | 621+00.00 | 636+00.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| I-74 | 636+00.00 | 640+00.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| I-155 | 1+50.00 | 9+00.00 | 2663 | 0 | 0 | 0 | 0 | 1824 | 4 | 838 | 0 | 28 | 0 | 94 |
| I-155 | 9+00.00 | 23+00.00 | 10446 | 0 | 0 | 0 | 0 | 6146 | 0 | 241 | 0 | 0 | 0 | 0 |
| I-155 | 23+00.00 | 37+50.00 | 7403 | 0 | 0 | 0 | 0 | 4633 | 0 | 0 | 0 | 0 | 0 | 0 |
| I-155 | 37+50.00 | 51+00.00 | 0 | 0 | 0 | 0 | 0 | 1070 | 0 | 0 | 0 | 0 | 0 | 0 |
| I-155 | 51+00.00 | 66+00.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Morton Ave. | 16+00.00 | 28+25.00 | 1178 | 0 | 1183 | 2060 | 0 | 58 | 0 | 0 | 47 | 0 | 0 | 0 |
| Morton Ave. | 28+25.00 | 36+50.00 | 11326 | 0 | 2170 | 10428 | 0 | 3872 | 0 | 195 | 292 | 0 | 0 | 0 |
| Morton Ave. | 36+50.00 | 44+75.00 | 5847 | 0 | 1874 | 9730 | 24 | 1658 | 0 | 0 | 0 | 0 | 0 | 0 |
| Morton Ave. | 44+75.00 | 58+00.00 | 3397 | 0 | 1046 | 953 | 0 | 253 | 0 | 144 | 0 | 188 | 0 | 0 |
| TOTAL | | | 157,445 | 470 | 7,451 | 33,852 | 1,447 | 88,002 | 29 | 3,142 | 511 | 1,127 | 60 | 1,117 |

| | | | STORM SEWER REMOVAL 30" | STORM SEWER REMOVAL 36" | STORM SEWER REMOVAL 48" | REMOVING MANHOLES | REMOVING CATCH BASINS | REMOVING INLETS | GUARDRAIL REMOVAL | CABLE ROAD GUARD REMOVAL | REMOVE EXISTING RIPRAP | REMOVING AND REPLACING EXPANSION JOINT |
|-------------|--------------|------------|-------------------------|-------------------------|-------------------------|-------------------|-----------------------|-----------------|-------------------|--------------------------|------------------------|--|
| ROAD | STATION FROM | STATION TO | FOOT | FOOT | FOOT | EACH | EACH | EACH | FOOT | FOOT | SO YD | FOOT |
| I-474 | - | 456+00.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| I-74 | 456+00.00 | 471+00.00 | 0 | 0 | 0 | 0 | 0 | 0 | 516 | 1098 | 0 | 0 |
| I-74 | 471+00.00 | 486+00.00 | 0 | 0 | 0 | 0 | 0 | 1 | 885 | 1417 | 0 | 0 |
| I-74 | 486+00.00 | 501+00.00 | 0 | 0 | 0 | 0 | 0 | 1 | 1598 | 1097 | 0 | 0 |
| I-74 | 501+00.00 | 516+00.00 | 0 | 0 | 0 | 0 | 1 | 0 | 1368 | 1153 | 0 | 0 |
| I-74 | 516+00.00 | 531+00.00 | 0 | 0 | 0 | 0 | 0 | 2 | 819 | 1498 | 0 | 0 |
| RAMP G/H | 118+50.00 | 101+47.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 218 | 0 |
| I-74 | 531+00.00 | 546+00.00 | 101 | 0 | 50 | 0 | 1 | 6 | 5481 | 797 | 0 | 0 |
| I-74 | 546+00.00 | 561+00.00 | 0 | 0 | 0 | 0 | 0 | 3 | 4852 | 584 | 8 | 0 |
| I-74 | 561+00.00 | 576+00.00 | 0 | 0 | 0 | 0 | 0 | 5 | 3700 | 802 | 0 | 0 |
| I-74 | 576+00.00 | 591+00.00 | 0 | 168 | 150 | 2 | 1 | 3 | 223 | 1393 | 40 | 0 |
| I-74 | 591+00.00 | 606+00.00 | 0 | 22 | 0 | 0 | 1 | 0 | 63 | 0 | 0 | 0 |
| I-74 | 606+00.00 | 621+00.00 | 0 | 8 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| I-74 | 621+00.00 | 636+00.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| I-74 | 636+00.00 | 640+00.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| I-155 | 1+50.00 | 9+00.00 | 0 | 0 | 0 | 0 | 0 | 3 | 854 | 0 | 0 | 0 |
| I-155 | 9+00.00 | 23+00.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 182 | 0 |
| I-155 | 23+00.00 | 37+50.00 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 717 | 82 |
| I-155 | 37+50.00 | 51+00.00 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| I-155 | 51+00.00 | 66+00.00 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Morton Ave. | 16+00.00 | 28+25.00 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Morton Ave. | 28+25.00 | 36+50.00 | 0 | 91 | 0 | 2 | 2 | 1 | 354 | 0 | 43 | 0 |
| Morton Ave. | 36+50.00 | 44+75.00 | 0 | 8 | 0 | 0 | 0 | 0 | 63 | 0 | 0 | 0 |
| Morton Ave. | 44+75.00 | 58+00.00 | 0 | 0 | 0 | 1 | 0 | 4 | 0 | 0 | 0 | 0 |
| TOTAL | | | 101 | 297 | 200 | 5 | 9 | 30 | 20,776 | 9,839 | 1,208 | 82 |

NOTE

- SEE SIGN SCHEDULE SHEETS FOR EACH STAGE FOR REMOVAL SCHEDULES ASSOCIATED WITH SIGNS AND SIGN STRUCTURES.
- SEE SCHEDULE OF QUANTITIES FOR EACH STAGE FOR PAVEMENT MARKING REMOVAL SCHEDULE

| | | | | | | | | | | | | | |
|--|------------------|--------------------------|---|---|--|---|--------------------------|-------------------|--|----------------|--|--|--|
| FILE NAME : 0458628-int-schedule-r.mxd | DESIGNED - HTL | REVISED - 10/23/2012 HTL |  | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | MAINTENANCE OF TRAFFIC TEMPORARY PAVEMENT DETAILS | F.A.I. RTE. : 90-114R-114HB-4,14,14HVBIBR | SECTION : TAZEWELL | COUNTY : TAZEWELL | TOTAL SHEETS : 2433 | SHEET NO. : 77 | | | |
| USER NAME : TERRA | CHECKED - DA/LVA | REVISED - | | | | SCALE : | SHEET NO. 1 OF 85 SHEETS | STA. TO STA. | ILLINOIS FED. AID PROJECT CONTRACT NO. 68620 | | | | |
| PLOT DATE : 7/23/2012 | DATE : 7/20/2012 | REVISED - | | | | * 74 & 155 | | | | | | | |



KEY MAP

STAGE 3A
TEMPORARY DITCH CHECK
STA. 561+00 TO 558+00
• 25' SPACING

STAGE 9
TEMPORARY DITCH CHECK
STA. 547+00 TO 548+50
• 50' SPACING

STAGE 7A
TEMPORARY DITCH CHECK
STA. 555+00 TO 550+00
• 100' SPACING

STAGE 7B
TEMPORARY DITCH CHECK
STA. 548+00 TO 550+00
• 100' SPACING

STAGE 4
TEMPORARY DITCH CHECK
STA. 553+00 TO 551+50
• 50' SPACING

STAGE 2A
TEMPORARY DITCH CHECK
STA. 558+00 TO 554+00
• 100' SPACING

NOTE:

1. THE TEMPORARY EROSION AND SEDIMENT CONTROL PLANS INCLUDE INLET AND PIPE PROTECTION, PERIMETER EROSION BARRIER, TEMPORARY DITCH CHECKS, EROSION CONTROL BLANKET, AND TEMPORARY EROSION CONTROL SEEDING TO BE IMPLEMENTED AS STABILIZATION PRACTICES TO PROVIDE PROTECTION FROM EROSION AND CONTROL OF SEDIMENT IN AREAS OF DISTURBANCE AS INDICATED IN THE DRAINAGE AND UTILITY PLAN AND PROFILES. THE EROSION AND SEDIMENT CONTROL ITEMS SHOWN IN THE TEMPORARY EROSION AND SEDIMENT CONTROL PLANS SHALL BE APPLIED IN CONJUNCTION WITH ALL STAGES OF THE MAINTENANCE OF TRAFFIC PLANS WHERE PERMANENT DRAINAGE ITEMS ARE BEING CONSTRUCTED.
2. TEMPORARY EROSION CONTROL SEEDING HAS BEEN CALCULATED BY ESTIMATING THREE APPLICATIONS OVER THE ENTIRE PROJECT LIMITS. SEE SEEDING SCHEDULE FOR TEMPORARY EROSION CONTROL SEEDING QUANTITY AND BDE 2342, THE STORM WATER POLLUTION PREVENTION PLAN IN THE PROJECT SPECIFICATIONS, FOR STABILIZATION PRACTICES.
3. INLET FILTERS FOR MEDIAN INLETS TO BE REMOVED WHEN PAVEMENT IS PLACED ADJACENT TO DRAINAGE STRUCTURES OR AS DIRECTED BY THE ENGINEER.

EROSION CONTROL KEY

- INLET AND PIPE PROTECTION
- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECK
- EROSION CONTROL BLANKET

| TEMP. DITCH CHECK SPACING | | |
|---------------------------|--|-------------------------------|
| SLOPE % | HEIGHT AT CENTER OF DITCH CHECK (OVERFLOW PT) (INCHES) | SPACING OF DITCH CHECK (FEET) |
| 8.0 | 12" | 13 |
| | 18" | 20 |
| | 24" | 26 |
| 7.0 | 12" | 14 |
| | 18" | 21 |
| | 24" | 28 |
| 6.0 | 12" | 17 |
| | 18" | 26 |
| | 24" | 34 |
| 5.0 | 12" | 20 |
| | 18" | 30 |
| | 24" | 40 |
| 4.0 | 12" | 25 |
| | 18" | 38 |
| | 24" | 50 |
| 3.0 | 12" | 33 |
| | 18" | 50 |
| | 24" | 66 |
| 2.0 | 12" | 50 |
| | 18" | 75 |
| | 24" | 100 |
| 1.0 & UNDER | 12" | 100 |
| | 18" | 150 |
| | 24" | 200 |

| | | |
|--------------------|----------------------|-----------------------------|
| FILE NAME * | DESIGNED - LDC | REVISED - 10/23/2012 L.D.C. |
| #FILE# | DRAWN - JLT | REVISED - |
| USER NAME * #USER# | CHECKED - GEB | REVISED - |
| PLOT DATE * #DATE# | DATE - JULY 20, 2012 | REVISED - |

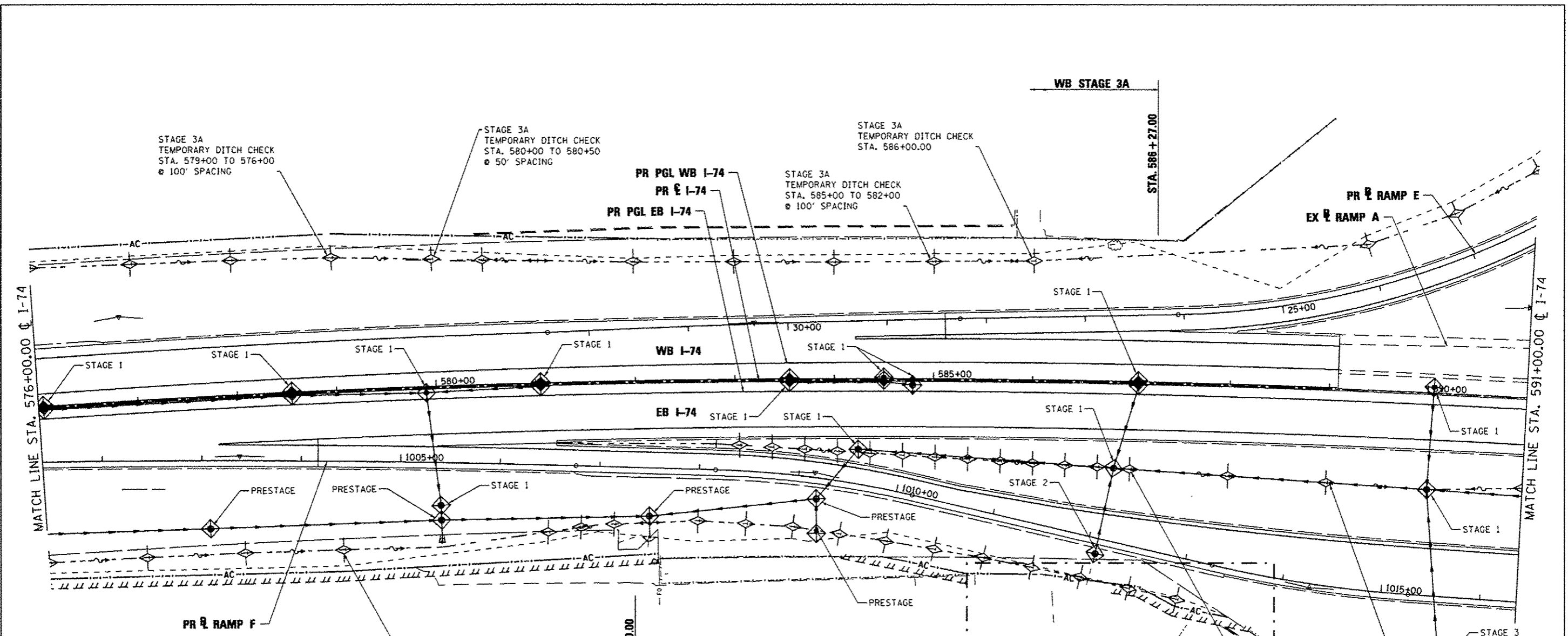


**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

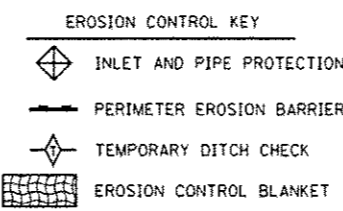
**TEMPORARY EROSION AND SEDIMENT CONTROL PLAN
I-74**

SCALE: 1"=50' SHEET NO. 7 OF 35 SHEETS STA. 546+00.00 TO STA. 561+00.00

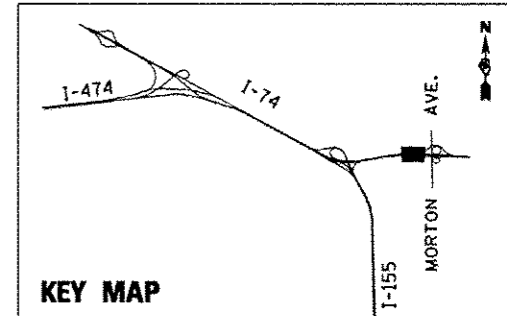
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|----------------------------|----------|--------|---------------------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90-114R(14HB-4,14,14HB1BR) | TAZEWELL | 2433 | 1350 | |
| CONTRACT NO. 68620 | | | ILLINOIS FED. AID PROJECT | |



- NOTE:**
1. THE TEMPORARY EROSION AND SEDIMENT CONTROL PLANS INCLUDE INLET AND PIPE PROTECTION, PERIMETER EROSION BARRIER, TEMPORARY DITCH CHECKS, EROSION CONTROL BLANKET, AND TEMPORARY EROSION CONTROL SEEDING TO BE IMPLEMENTED AS STABILIZATION PRACTICES TO PROVIDE PROTECTION FROM EROSION AND CONTROL OF SEDIMENT IN AREAS OF DISTURBANCE AS INDICATED IN THE DRAINAGE AND UTILITY PLAN AND PROFILES. THE EROSION AND SEDIMENT CONTROL ITEMS SHOWN IN THE TEMPORARY EROSION AND SEDIMENT CONTROL PLANS SHALL BE APPLIED IN CONJUNCTION WITH ALL STAGES OF THE MAINTENANCE OF TRAFFIC PLANS WHERE PERMANENT DRAINAGE ITEMS ARE BEING CONSTRUCTED.
 2. TEMPORARY EROSION CONTROL SEEDING HAS BEEN CALCULATED BY ESTIMATING THREE APPLICATIONS OVER THE ENTIRE PROJECT LIMITS. SEE SEEDING SCHEDULE FOR TEMPORARY EROSION CONTROL SEEDING QUANTITY AND BDE 2342, THE STORM WATER POLLUTION PREVENTION PLAN IN THE PROJECT SPECIFICATIONS, FOR STABILIZATION PRACTICES.
 3. INLET FILTERS FOR MEDIAN INLETS TO BE REMOVED WHEN PAVEMENT IS PLACED ADJACENT TO DRAINAGE STRUCTURES OR AS DIRECTED BY THE ENGINEER.



| TEMP. DITCH CHECK SPACING | | |
|---------------------------|--|-------------------------------|
| SLOPE % | HEIGHT AT CENTER OF DITCH CHECK (OVERFLOW PT) (INCHES) | SPACING OF DITCH CHECK (FEET) |
| 8.0 | 12" | 13 |
| | 18" | 20 |
| | 24" | 26 |
| 7.0 | 12" | 14 |
| | 18" | 21 |
| | 24" | 28 |
| 6.0 | 12" | 17 |
| | 18" | 26 |
| | 24" | 34 |
| 5.0 | 12" | 20 |
| | 18" | 30 |
| | 24" | 40 |
| 4.0 | 12" | 25 |
| | 18" | 38 |
| | 24" | 50 |
| 3.0 | 12" | 33 |
| | 18" | 50 |
| | 24" | 66 |
| 2.0 | 12" | 50 |
| | 18" | 75 |
| | 24" | 100 |
| 1.0 & UNDER | 12" | 100 |
| | 18" | 150 |
| | 24" | 200 |



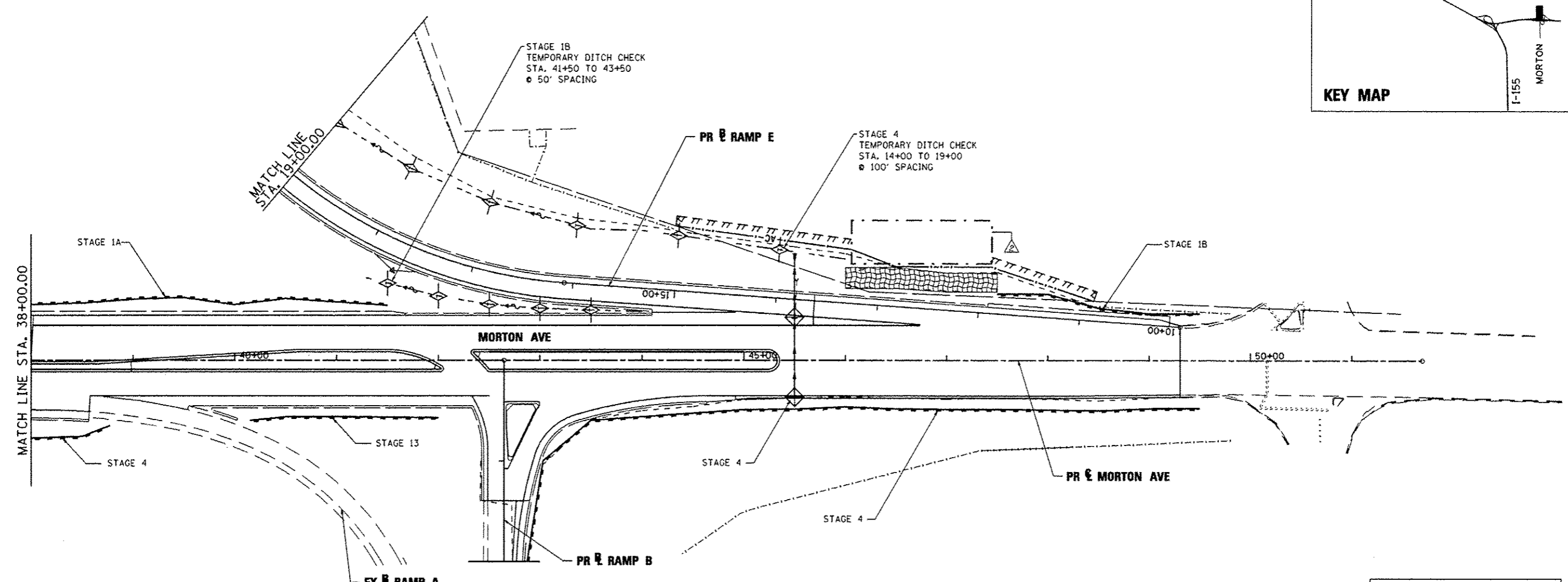
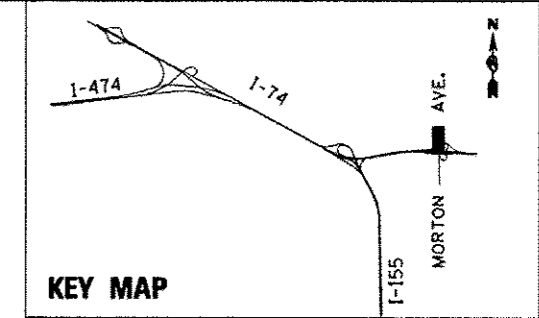
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| FILE NAME * | DESIGNED - LOC | REVISED - 10/23/2012 L.D.C. |
| #FILE# | DRAWN - JLT | REVISED - |
| USER NAME * #USER# | CHECKED - GEB | REVISED - |
| PLOT DATE * #DATE# | DATE - JULY 20, 2012 | REVISED - |



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

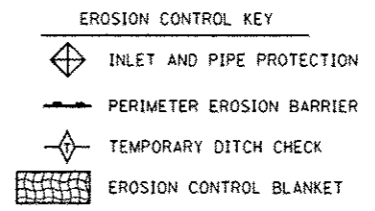
TEMPORARY EROSION AND SEDIMENT CONTROL PLAN
I-74
SCALE: 1"=50' SHEET NO. 9 OF 35 SHEETS STA. 576+00.00 TO STA. 591+00.00

| | | | | |
|--------------------------|----------|--------|---------------------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90-14R(14HB-4,14,14MV)BR | TAZEWELL | 2433 | 1352 | |
| CONTRACT NO. 68620 | | | ILLINOIS FED. AID PROJECT | |



NOTE:

1. THE TEMPORARY EROSION AND SEDIMENT CONTROL PLANS INCLUDE INLET AND PIPE PROTECTION, PERIMETER EROSION BARRIER, TEMPORARY DITCH CHECKS, EROSION CONTROL BLANKET, AND TEMPORARY EROSION CONTROL SEEDING TO BE IMPLEMENTED AS STABILIZATION PRACTICES TO PROVIDE PROTECTION FROM EROSION AND CONTROL OF SEDIMENT IN AREAS OF DISTURBANCE AS INDICATED IN THE DRAINAGE AND UTILITY PLAN AND PROFILES. THE EROSION AND SEDIMENT CONTROL ITEMS SHOWN IN THE TEMPORARY EROSION AND SEDIMENT CONTROL PLANS SHALL BE APPLIED IN CONJUNCTION WITH ALL STAGES OF THE MAINTENANCE OF TRAFFIC PLANS WHERE PERMANENT DRAINAGE ITEMS ARE BEING CONSTRUCTED.
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3. INLET FILTERS FOR MEDIAN INLETS TO BE REMOVED WHEN PAVEMENT IS PLACED ADJACENT TO DRAINAGE STRUCTURES OR AS DIRECTED BY THE ENGINEER.



| TEMP. DITCH CHECK SPACING | | |
|---------------------------|--|-------------------------------|
| SLOPE % | HEIGHT AT CENTER OF DITCH CHECK (OVERFLOW PT) (INCHES) | SPACING OF DITCH CHECK (FEET) |
| 8.0 | 12" | 13 |
| | 18" | 20 |
| | 24" | 26 |
| 7.0 | 12" | 14 |
| | 18" | 21 |
| | 24" | 28 |
| 6.0 | 12" | 17 |
| | 18" | 26 |
| | 24" | 34 |
| 5.0 | 12" | 20 |
| | 18" | 30 |
| | 24" | 40 |
| 4.0 | 12" | 25 |
| | 18" | 38 |
| | 24" | 50 |
| 3.0 | 12" | 33 |
| | 18" | 50 |
| | 24" | 66 |
| 2.0 | 12" | 50 |
| | 18" | 75 |
| | 24" | 100 |
| 1.0 & UNDER | 12" | 100 |
| | 18" | 150 |
| | 24" | 200 |

| | | |
|---------------------|----------------------|-----------------------------|
| FILE NAME * | DESIGNED - LDC | REVISED - 10/23/2012 L.D.C. |
| #FILES* | DRAWN - JLT | REVISED - |
| USER NAME * #USERS* | CHECKED - GEB | REVISED - |
| PLOT DATE * #DATE* | DATE - JULY 20, 2012 | REVISED - |



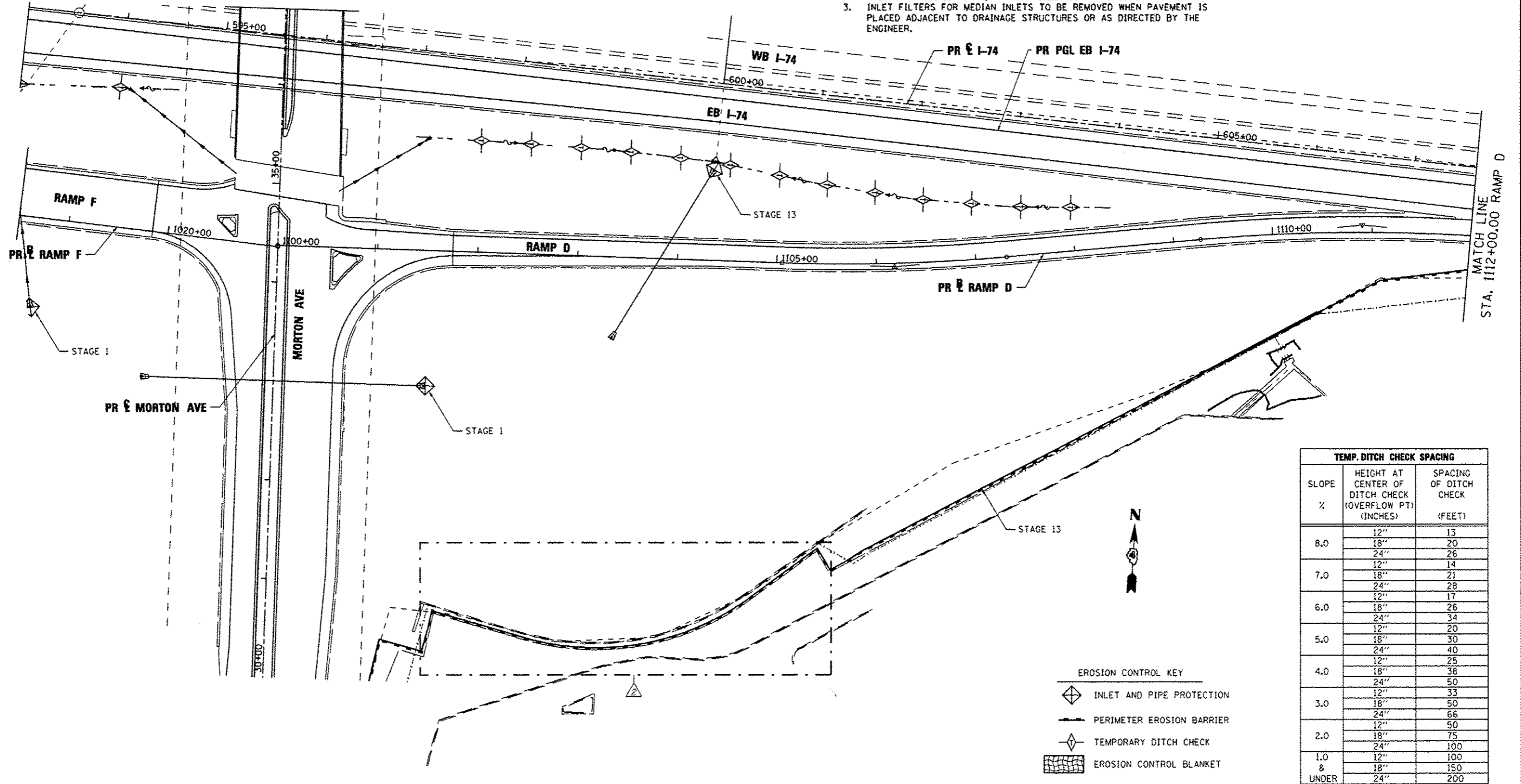
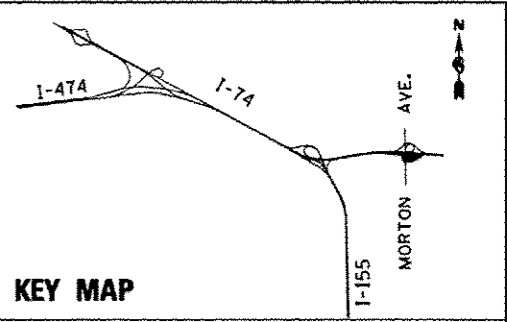
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY EROSION AND SEDIMENT CONTROL PLAN
MORTON AVE.**

SCALE: 1"=50' SHEET NO. 29 OF 35 SHEETS STA. 38+00.00 TO STA. 51+69.62

| | | | | |
|---------------------------|---------|----------|---------------------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90-114R(14HB-4,14,14HV)BR | | TAZEWELL | 2433 | 1372 |
| CONTRACT NO. 68620 | | | ILLINOIS FED. AID PROJECT | |

- NOTE:
1. THE TEMPORARY EROSION AND SEDIMENT CONTROL PLANS INCLUDE INLET AND PIPE PROTECTION, PERIMETER EROSION BARRIER, TEMPORARY DITCH CHECKS, EROSION CONTROL BLANKET, AND TEMPORARY EROSION CONTROL SEEDING TO BE IMPLEMENTED AS STABILIZATION PRACTICES TO PROVIDE PROTECTION FROM EROSION AND CONTROL OF SEDIMENT IN AREAS OF DISTURBANCE AS INDICATED IN THE DRAINAGE AND UTILITY PLAN AND PROFILES. THE EROSION AND SEDIMENT CONTROL ITEMS SHOWN IN THE TEMPORARY EROSION AND SEDIMENT CONTROL PLANS SHALL BE APPLIED IN CONJUNCTION WITH ALL STAGES OF THE MAINTENANCE OF TRAFFIC PLANS WHERE PERMANENT DRAINAGE ITEMS ARE BEING CONSTRUCTED.
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 3. INLET FILTERS FOR MEDIAN INLETS TO BE REMOVED WHEN PAVEMENT IS PLACED ADJACENT TO DRAINAGE STRUCTURES OR AS DIRECTED BY THE ENGINEER.



| TEMP. DITCH CHECK SPACING | | |
|---------------------------|--|-------------------------------|
| SLOPE % | HEIGHT AT CENTER OF DITCH CHECK (OVERFLOW PT) (INCHES) | SPACING OF DITCH CHECK (FEET) |
| 8.0 | 12" | 13 |
| | 18" | 20 |
| | 24" | 26 |
| 7.0 | 12" | 14 |
| | 18" | 21 |
| | 24" | 28 |
| 6.0 | 12" | 17 |
| | 18" | 26 |
| | 24" | 34 |
| 5.0 | 12" | 20 |
| | 18" | 30 |
| | 24" | 40 |
| 4.0 | 12" | 25 |
| | 18" | 38 |
| | 24" | 50 |
| 3.0 | 12" | 33 |
| | 18" | 50 |
| | 24" | 66 |
| 2.0 | 12" | 50 |
| | 18" | 75 |
| | 24" | 100 |
| 1.0 & | 12" | 100 |
| | 18" | 150 |
| UNDER | 24" | 200 |

- EROSION CONTROL KEY
- INLET AND PIPE PROTECTION
 - PERIMETER EROSION BARRIER
 - TEMPORARY DITCH CHECK
 - EROSION CONTROL BLANKET

| | | |
|--------------------|----------------------|-----------------------------|
| FILE NAME * | DESIGNED - LOC | REVISED - 10/23/2012 L.D.C. |
| *FILE# | DRAWN - JLT | REVISED - |
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| PLOT DATE * #DATE# | DATE - JULY 20, 2012 | REVISED - |

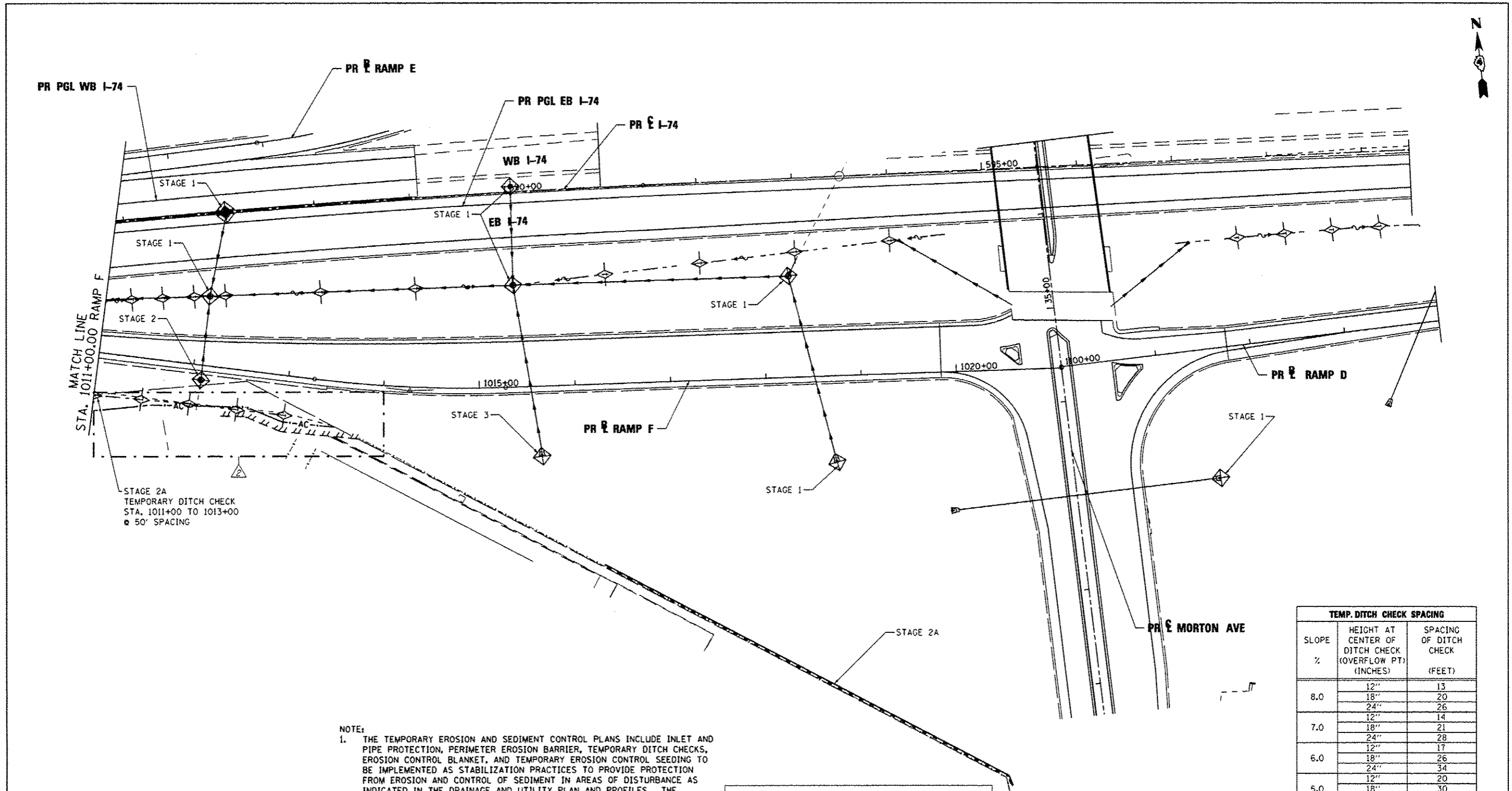


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

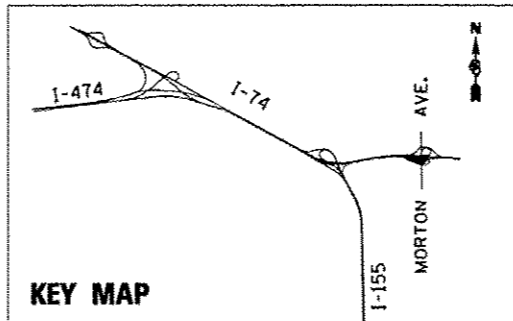
TEMPORARY EROSION AND SEDIMENT CONTROL PLAN
RAMP D MORTON AVE.

SCALE: 1"=50' SHEET NO. 31 OF 35 SHEETS STA. 1100+00.00 TO STA. 1112+00.00

| | | | | |
|-----------------------------|---------|----------|---------------------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| * 90-14R(14MB-4,14,14HVB)BR | | TAZEWELL | 2433 | 1374 |
| CONTRACT NO. 68620 | | | ILLINOIS FED. AID PROJECT | |



- NOTE:**
1. THE TEMPORARY EROSION AND SEDIMENT CONTROL PLANS INCLUDE INLET AND PIPE PROTECTION, PERIMETER EROSION BARRIER, TEMPORARY DITCH CHECKS, EROSION CONTROL BLANKET, AND TEMPORARY EROSION CONTROL SEEDING TO BE IMPLEMENTED AS STABILIZATION PRACTICES TO PROVIDE PROTECTION FROM EROSION AND CONTROL OF SEDIMENT IN AREAS OF DISTURBANCE AS INDICATED IN THE DRAINAGE AND UTILITY PLAN AND PROFILES. THE EROSION AND SEDIMENT CONTROL ITEMS SHOWN IN THE TEMPORARY EROSION AND SEDIMENT CONTROL PLANS SHALL BE APPLIED IN CONJUNCTION WITH ALL STAGES OF THE MAINTENANCE OF TRAFFIC PLANS WHERE PERMANENT DRAINAGE ITEMS ARE BEING CONSTRUCTED.
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 3. INLET FILTERS FOR MEDIAN INLETS TO BE REMOVED WHEN PAVEMENT IS PLACED ADJACENT TO DRAINAGE STRUCTURES OR AS DIRECTED BY THE ENGINEER.



- EROSION CONTROL KEY**
- INLET AND PIPE PROTECTION
 - PERIMETER EROSION BARRIER
 - TEMPORARY DITCH CHECK
 - EROSION CONTROL BLANKET

| TEMP. DITCH CHECK SPACING | | |
|---------------------------|--|-------------------------------|
| SLOPE % | HEIGHT AT CENTER OF DITCH CHECK (OVERFLOW PT) (INCHES) | SPACING OF DITCH CHECK (FEET) |
| 8.0 | 12" | 13 |
| | 18" | 20 |
| | 24" | 26 |
| 7.0 | 12" | 14 |
| | 18" | 21 |
| | 24" | 28 |
| 6.0 | 12" | 17 |
| | 18" | 26 |
| | 24" | 34 |
| 5.0 | 12" | 20 |
| | 18" | 30 |
| | 24" | 40 |
| 4.0 | 12" | 25 |
| | 18" | 38 |
| | 24" | 50 |
| 3.0 | 12" | 33 |
| | 18" | 50 |
| | 24" | 66 |
| 2.0 | 12" | 50 |
| | 18" | 75 |
| | 24" | 100 |
| 1.0 & | 12" | 100 |
| | 18" | 150 |
| UNDER | 24" | 200 |

| | | |
|--------------------|----------------------|-----------------------------|
| FILE NAME * | DESIGNED - LDC | REVISED - 10/23/2012 L.D.C. |
| #FILE# | DRAWN - JLT | REVISED - |
| USER NAME * #USER# | CHECKED - GEB | REVISED - |
| PLOT DATE * #DATE# | DATE - JULY 20, 2012 | REVISED - |

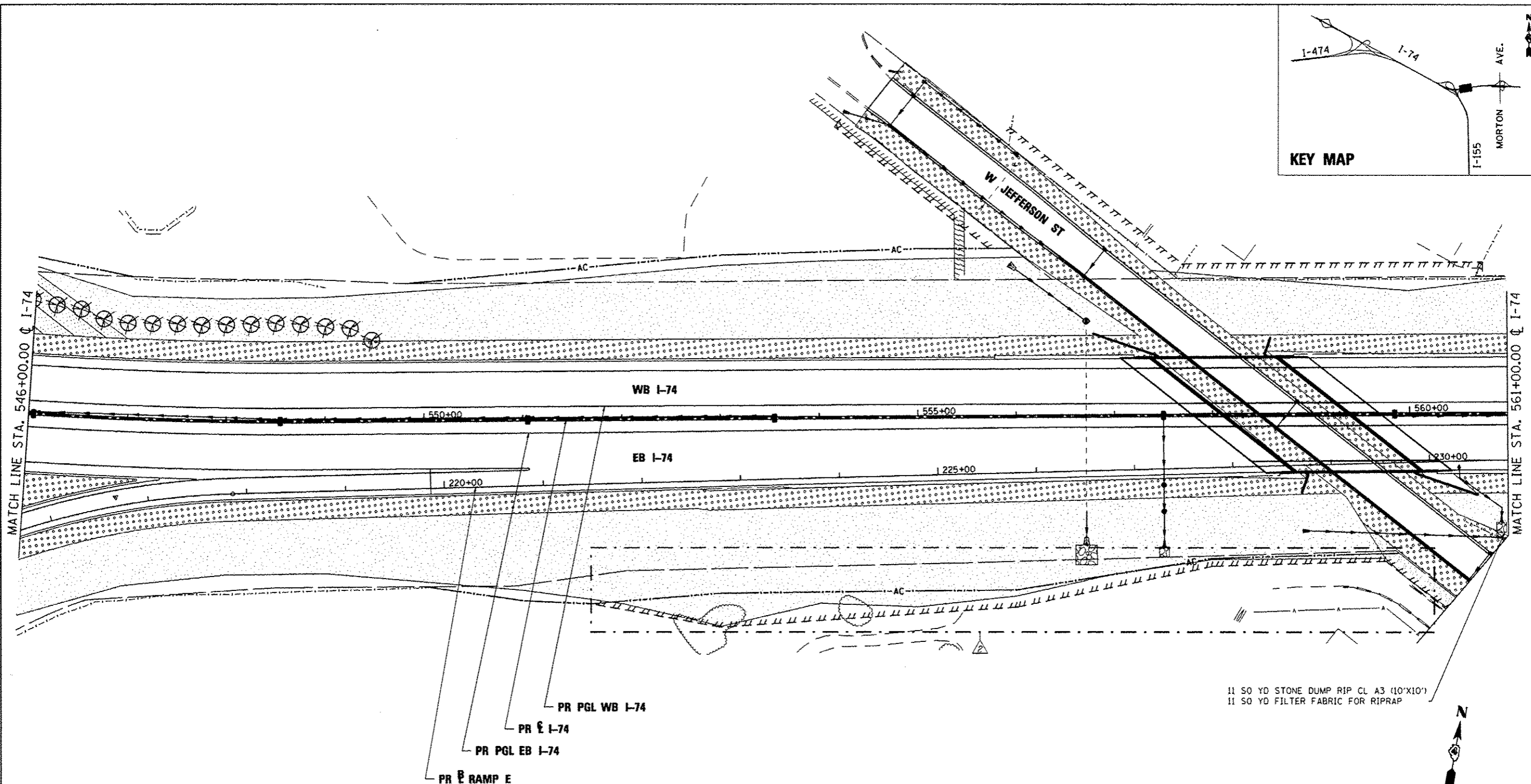
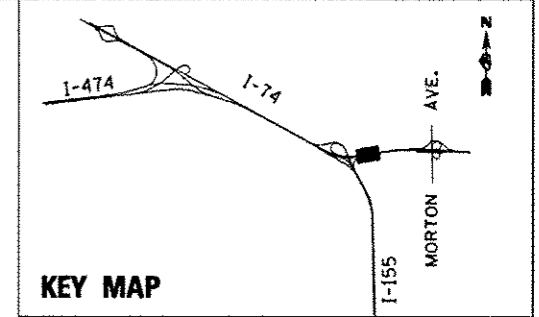


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION AND SEDIMENT CONTROL PLAN
RAMP F MORTON AVE.

SCALE: 1"=50' SHEET NO. 35 OF 35 SHEETS STA. 1011+00.00 TO STA. 1021+10.65

| | | | | |
|--------------------|---------------------------|----------|---------------------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | BO-I4R2(14MB-4.14,14HV)BR | TAZEWELL | 2433 | 1378 |
| CONTRACT NO. 68620 | | | ILLINOIS FED. AID PROJECT | |



11 50 YD STONE DUMP RIP CL A3 (10'X10')
 11 50 YD FILTER FABRIC FOR RIPRAP



EROSION CONTROL KEY

- TREE, TAXODIUM DISTICHUM (COMMON BALD CYPRESS), 10' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED
- SEEDING CLASS 2A
- SEEDING CLASS 3 AND 5A
- SEEDING CLASS 4A AND 5A
- RIPRAP

CLASS 2A SEEDING SHALL BE PLACED WITHIN 20 FEET OF THE EDGE OF SHOULDER

| | | |
|---------------------|----------------------|------------------------------|
| FILE NAME * | DESIGNED - LOC | REVISED - 10/23/2012 L.D.C. |
| #FILES* | DRAWN - JLT | REVISED - |
| USER NAME * #USERS* | CHECKED - GEB | REVISED - |
| PLOT DATE * #DATE* | DATE - JULY 20, 2012 | REVISED - |



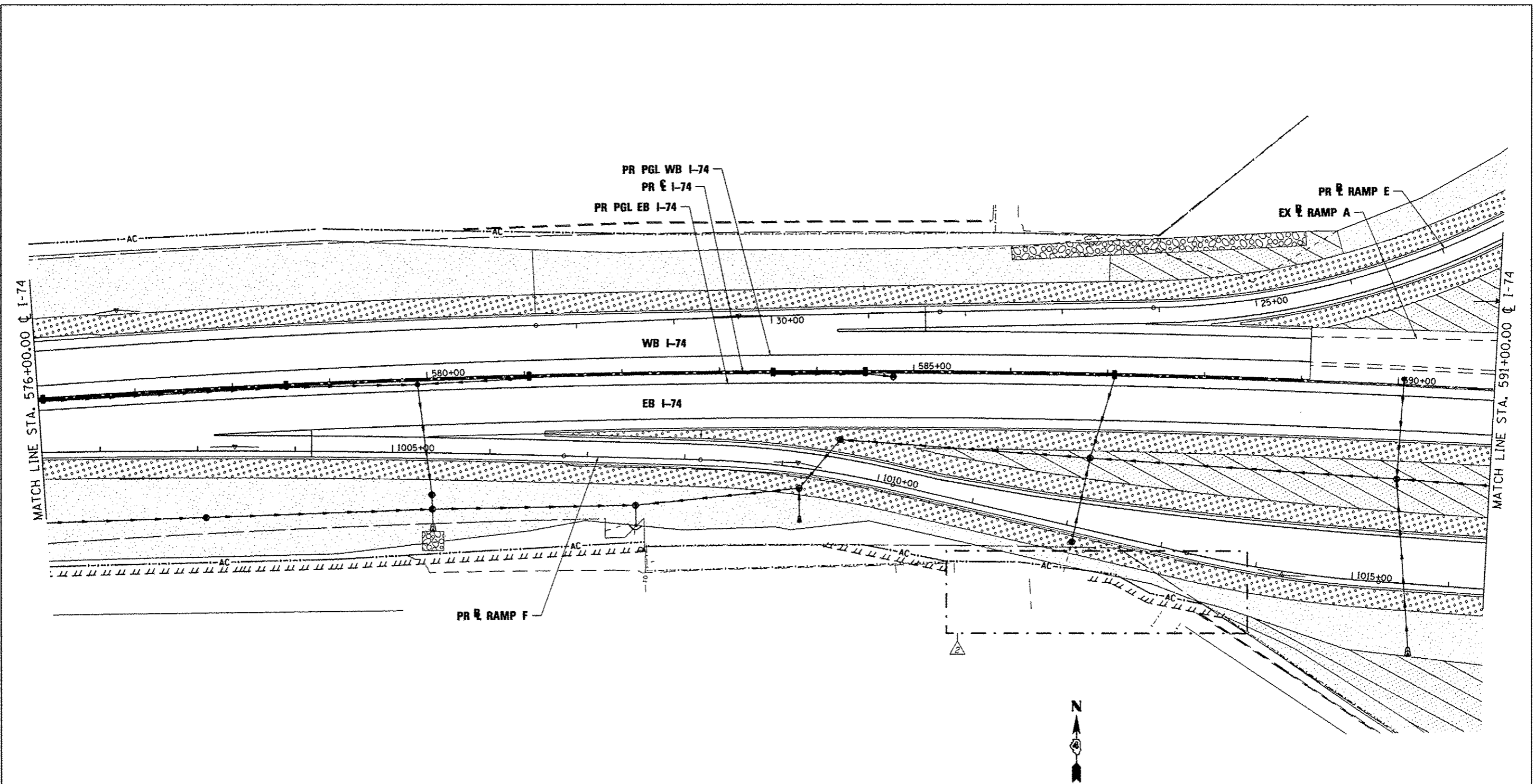
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PERMANENT EROSION AND SEDIMENT CONTROL PLAN
 I-74**






SCALE: 1"=50' SHEET NO. 7 OF 35 SHEETS STA. 546+00.00 TO STA. 561+00.00

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------------|----------|--------|--------------|-----------|
| 90-14R(14HB-4,14,14HV)BR | TAZEWELL | 2433 | 1385 | |
| CONTRACT NO. 68620 | | | | |

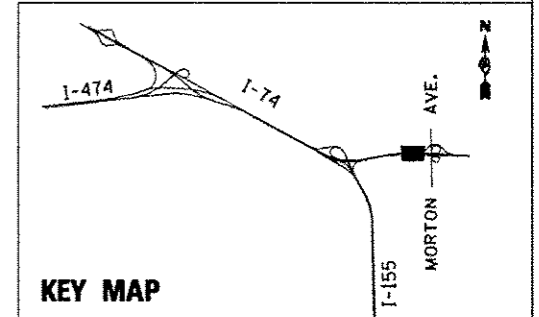
ILLINOIS FED. AID PROJECT
 * 74 & 155



EROSION CONTROL KEY

-  TREE, TAXODIUM DISTICHUM (COMMON BALD CYPRESS), 10' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED
-  SEEDING CLASS 2A
-  SEEDING CLASS 3 AND 5A
-  SEEDING CLASS 4A AND 5A
-  RIPRAP

CLASS 2A SEEDING SHALL BE PLACED WITHIN 20 FEET OF THE EDGE OF SHOULDER



| | | |
|--------------------|----------------------|-----------------------------|
| FILE NAME * | DESIGNED - LDC | REVISED - 10/23/2012 L.D.C. |
| #FILE# | DRAWN - JLT | REVISED - |
| USER NAME * #USER# | CHECKED - GEB | REVISED - |
| PLOT DATE * #DATE# | DATE - JULY 20, 2012 | REVISED - |

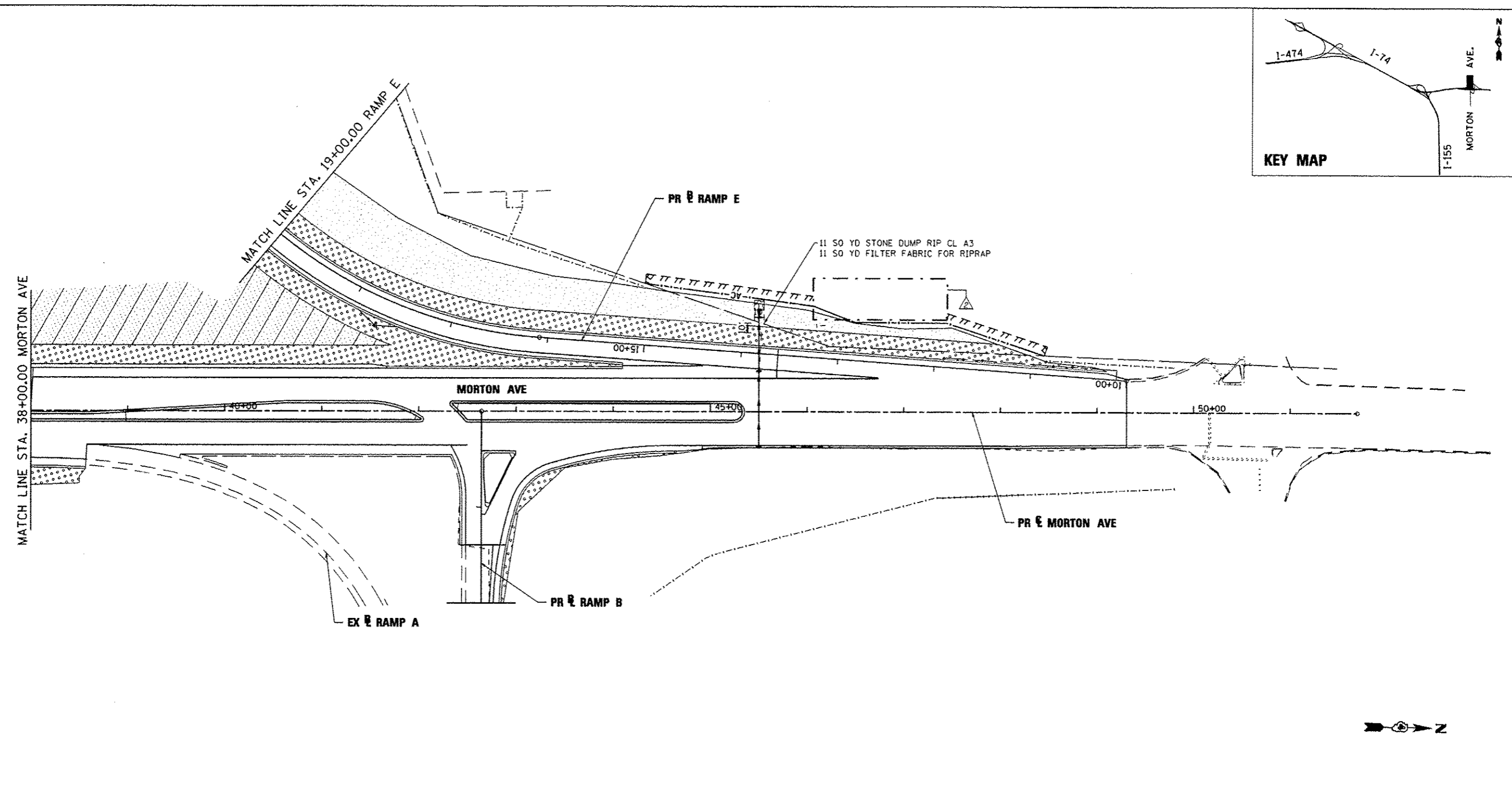
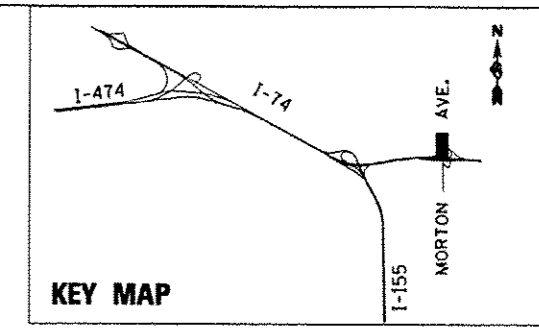


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PERMANENT EROSION AND SEDIMENT CONTROL PLAN
I-74

SCALE: 1"=50' SHEET NO. 9 OF 35 SHEETS STA. 576+00.00 TO STA. 591+00.00

| | | | | |
|---------------------------|----------|--------|---------------------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90-I4R;I4HB-4,I4,I4HVB;BR | TAZEWELL | 2433 | 1387 | |
| CONTRACT NO. 68620 | | | ILLINOIS FED. AID PROJECT | |



EROSION CONTROL KEY

- TREE, TAXODIUM DISTICHUM (COMMON BALD CYPRESS), 10' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED
- SEEDING CLASS 2A
- SEEDING CLASS 3 AND 5A
- SEEDING CLASS 4A AND 5A
- RIPRAP

CLASS 2A SEEDING SHALL BE PLACED WITHIN 20 FEET OF THE EDGE OF SHOULDER

| | | |
|---------------------|----------------------|-----------------------------|
| FILE NAME * | DESIGNED - LDC | REVISED - 10/23/2012 L.D.C. |
| #FILES* | DRAWN - JLT | REVISED - |
| USER NAME * #USERS* | CHECKED - GEB | REVISED - |
| PLOT DATE * #DATE* | DATE - JULY 20, 2012 | REVISED - |

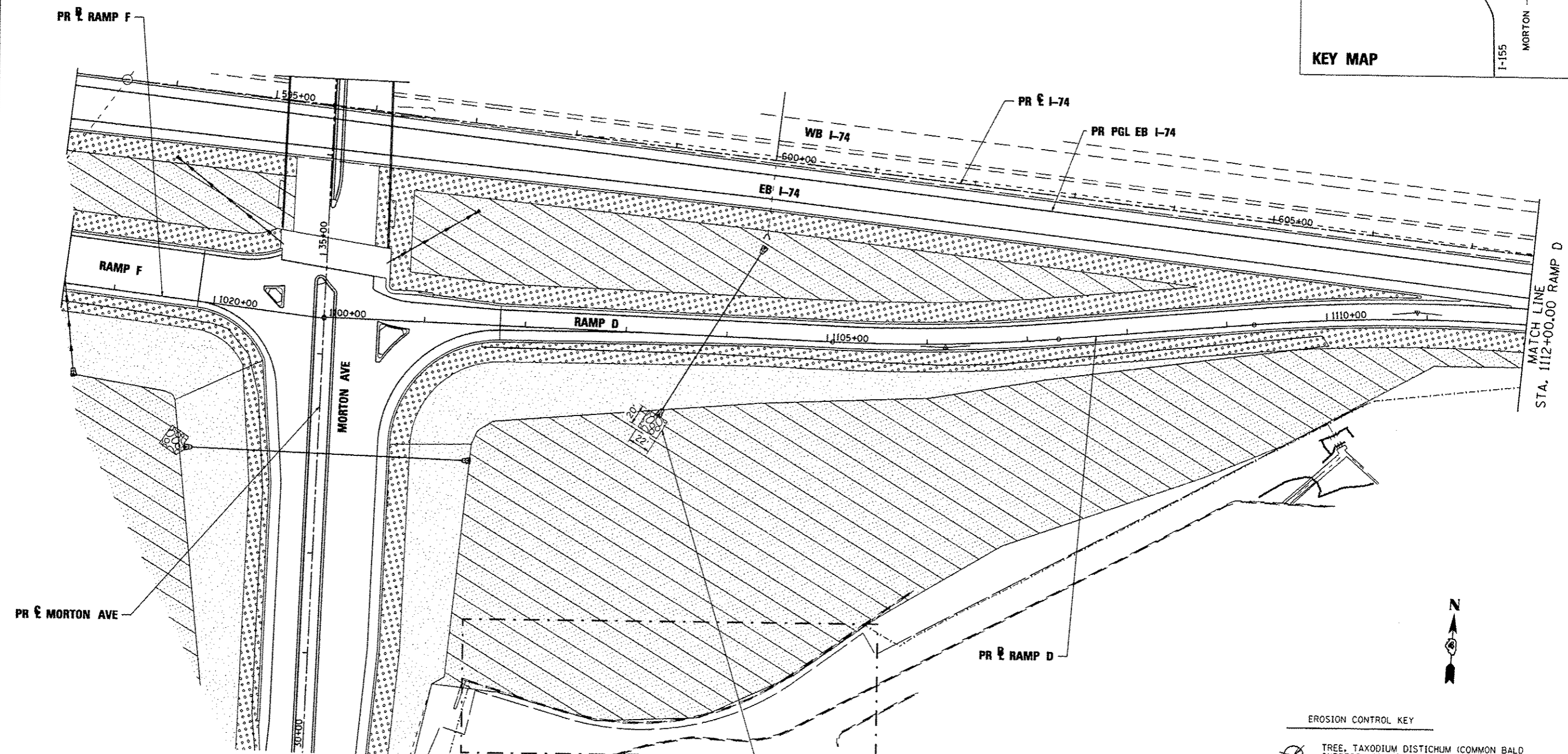
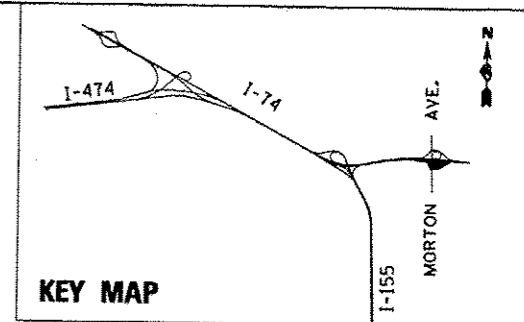


**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PERMANENT EROSION AND SEDIMENT CONTROL PLAN
MORTON AVE.**

SCALE: 1"=50' SHEET NO. 29 OF 35 SHEETS STA. 38+00.00 TO STA. 51+69.62

| | | | | |
|---------------------------|-----------------------------|----------|--------------------|-----------|
| F.A.T. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 90-114R(14)B-4,14,14HVB(B)R | TAZEWELL | 2433 | 1407 |
| | | | CONTRACT NO. 68620 | |
| ILLINOIS PED. AID PROJECT | | | | |



49 SQ YD STONE DUMP RIP CL A3
49 SQ YD FILTER FABRIC FOR RIPRAP

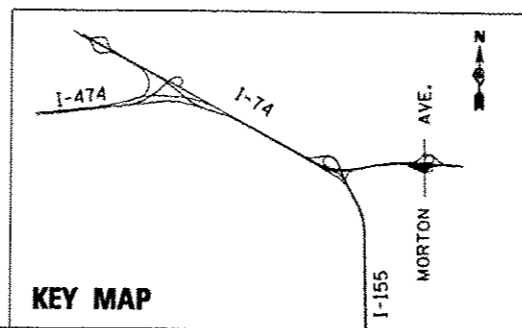
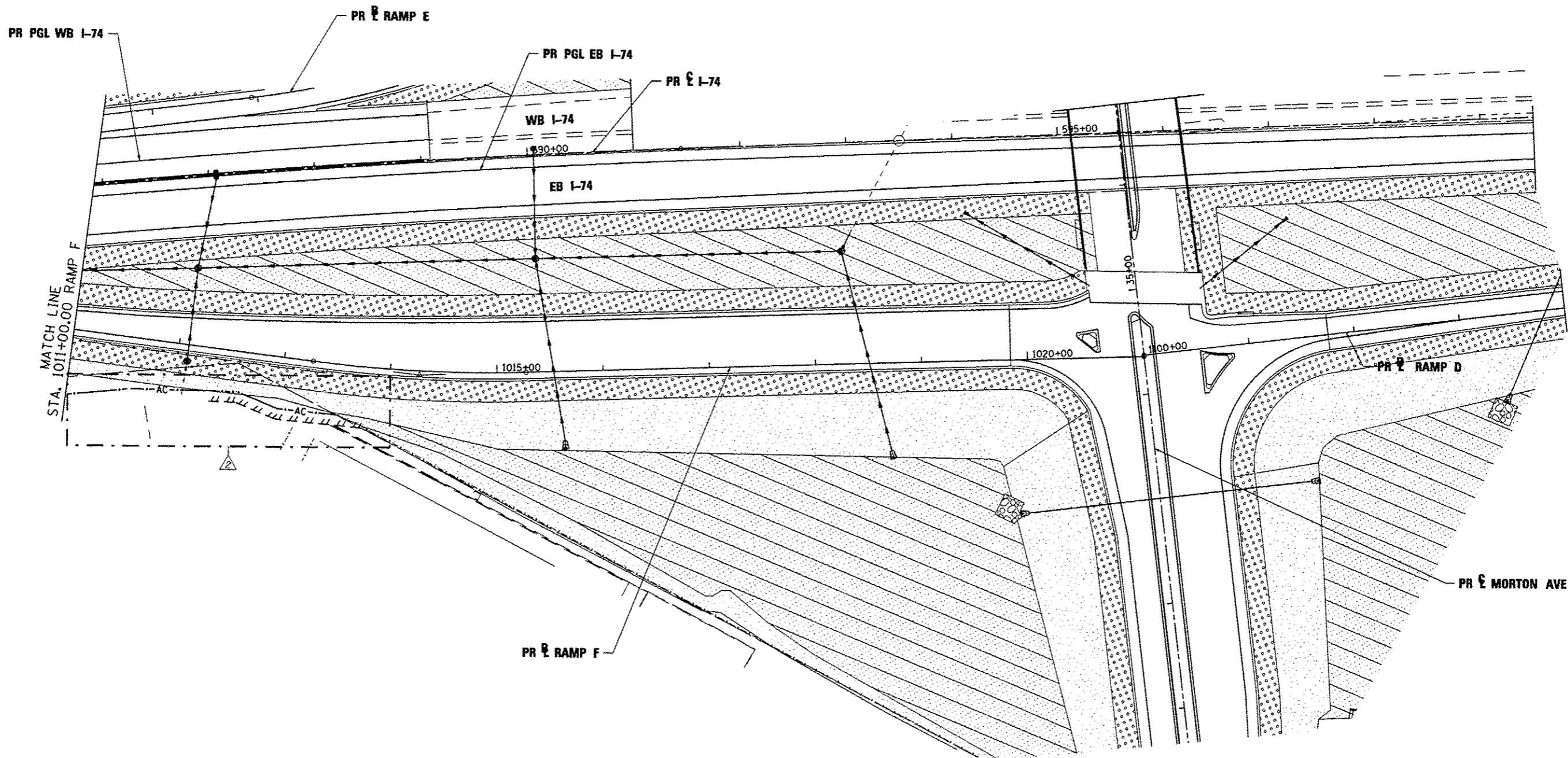
- EROSION CONTROL KEY**
- TREE, TAXODIUM DISTICHUM (COMMON BALD CYPRESS), 10' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED
 - SEEDING CLASS 2A
 - SEEDING CLASS 3 AND 5A
 - SEEDING CLASS 4A AND 5A
 - RIPRAP
- CLASS 2A SEEDING SHALL BE PLACED WITHIN 20 FEET OF THE EDGE OF SHOULDER

| | | |
|--------------------|----------------------|-----------------------------|
| FILE NAME * | DESIGNED - LDC | REVISED - 10/23/2012 L.D.C. |
| #FILE# | DRAWN - JLT | REVISED - |
| USER NAME * #USER# | CHECKED - GEB | REVISED - |
| PLOT DATE * #DATE# | DATE - JULY 20, 2012 | REVISED - |



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| | | | | | | |
|--|--|----------------------------|----------|------------------------------------|--------------|--------------------|
| PERMANENT EROSION AND SEDIMENT CONTROL PLAN | | F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| RAMP D MORTON AVE. | | 90-114R;14HB-4,14,14HVB BR | TAZEWELL | 2433 | 1409 | |
| SCALE: 1"=50' | | SHEET NO. 31 OF 35 SHEETS | | STA. 1100+00.00 TO STA. 1112+00.00 | | CONTRACT NO. 68620 |
| ILLINOIS FED. AID PROJECT | | | | | | |



EROSION CONTROL KEY

- TREE, TAXODIUM DISTICHUM (COMMON BALD CYPRESS), 10' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED
- SEEDING CLASS 2A
- SEEDING CLASS 3 AND 5A
- SEEDING CLASS 4A AND 5A
- RIPRAP

CLASS 2A SEEDING SHALL BE PLACED WITHIN 20 FEET OF THE EDGE OF SHOULDER

| | | |
|-------------------|----------------------|-----------------------------|
| FILE NAME * | DESIGNED - LDC | REVISED - 10/23/2012 L.D.C. |
| FILE# | DRAWN - JLT | REVISED - |
| USER NAME * USER# | CHECKED - GEB | REVISED - |
| PLOT DATE * DATE | DATE - JULY 20, 2012 | REVISED - |

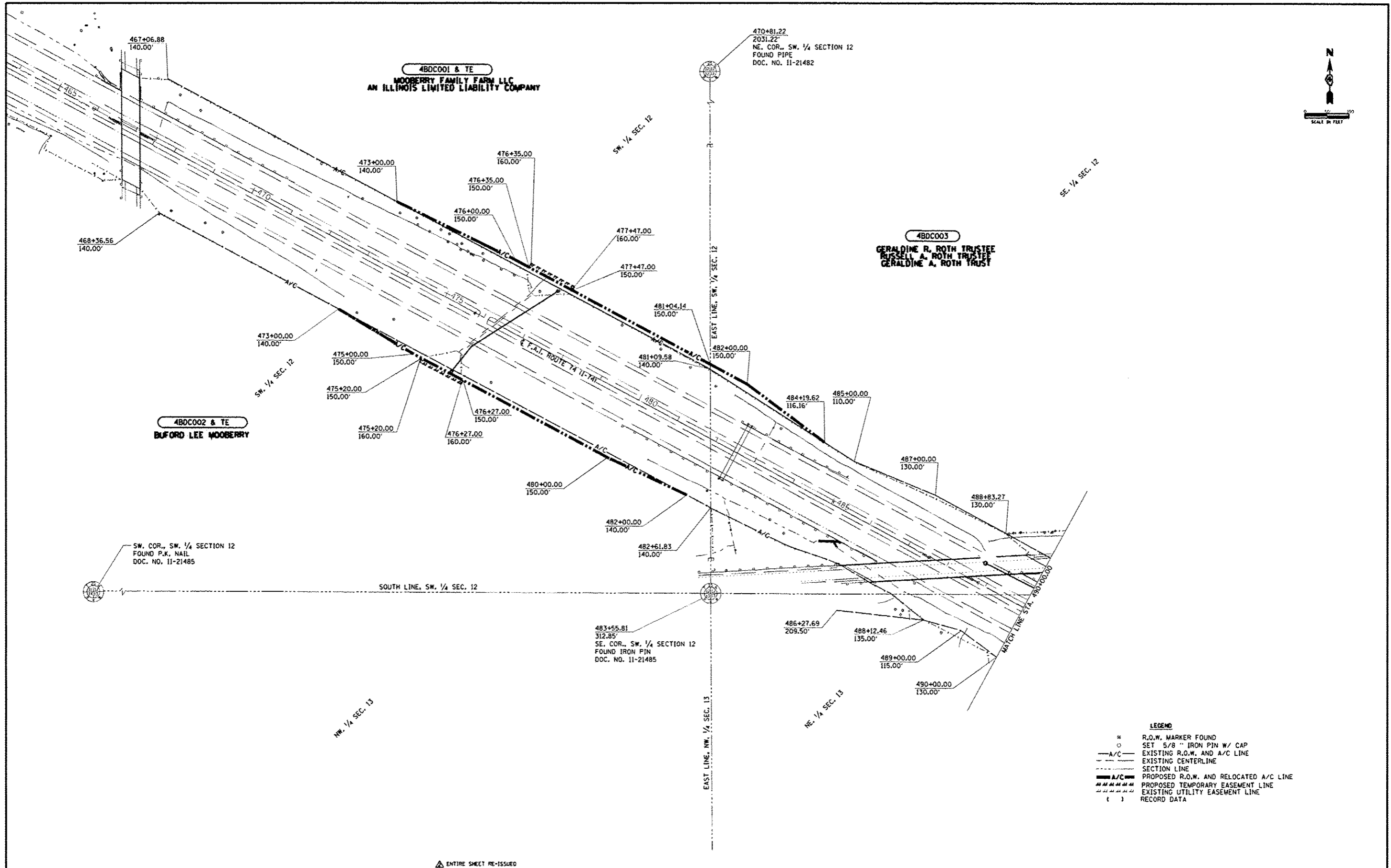


**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PERMANENT EROSION AND SEDIMENT CONTROL PLAN
RAMP F MORTON AVE.**

SCALE: 1"=50' SHEET NO. 35 OF 35 SHEETS STA. 1011+00.00 TO STA. 1021+10.65

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|----------------------------|---------|----------|---------------------------|-----------|
| 90-114R(14HB-4,14,14HVB)BR | | TAZEWELL | 2433 | 1413 |
| CONTRACT NO. 68620 | | | ILLINOIS FED. AID PROJECT | |



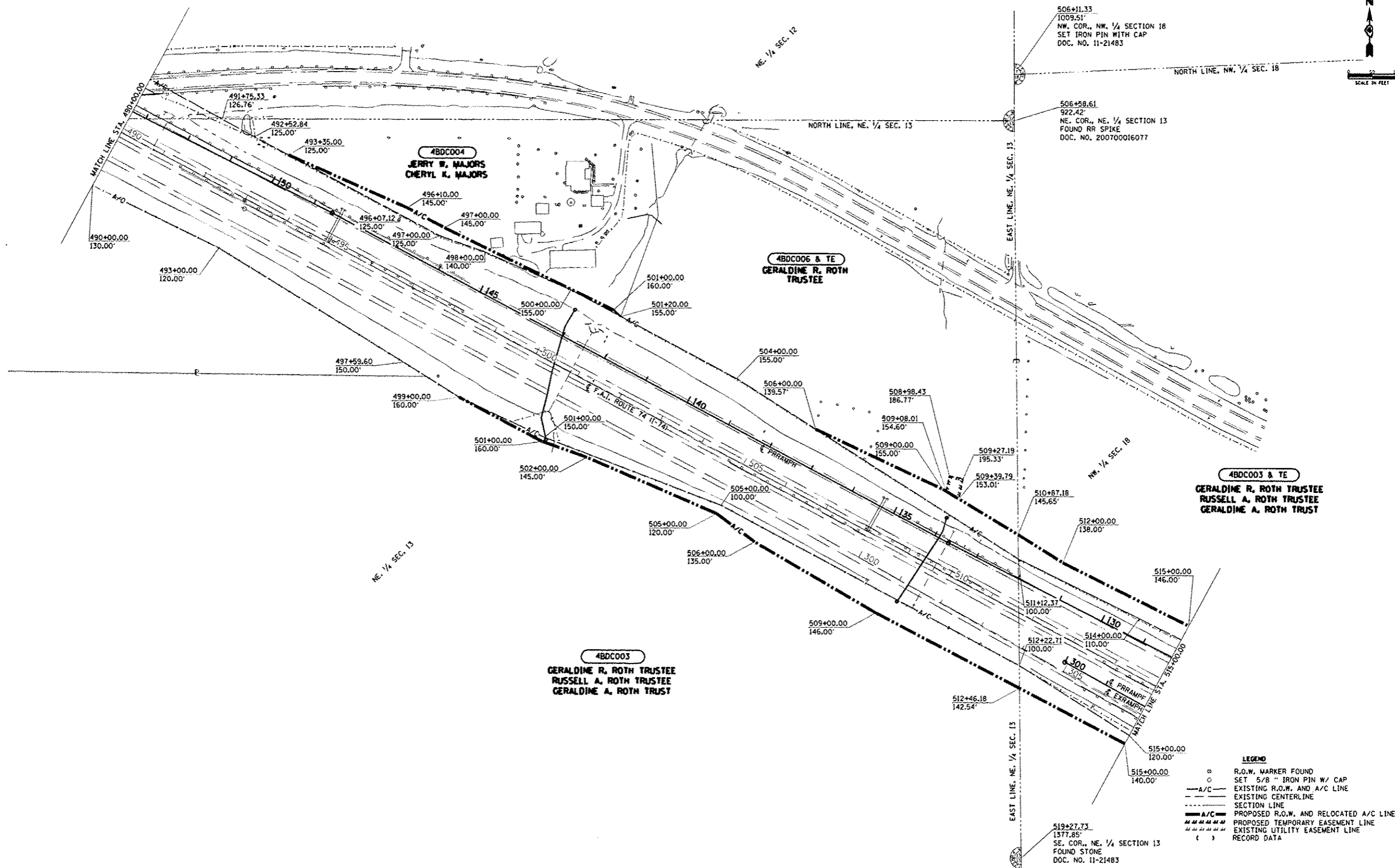
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| FILE NAME ...RDWP_Anl.dgn | USER NAME jacobillo | DESIGNED - | REVISED - Δ 10/23/12 JNR/MOA |
| | | DRAWN - | REVISED - |
| | | CHECKED - | REVISED - |
| | | DATE - | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

| RIGHT OF WAY PLANS | |
|----------------------------------|-------------------------|
| PROJECT | JOB NO. R-94-013-11 |
| SCALE: 1" = 100' | SHEET NO. 1 OF 8 SHEETS |
| STA. 465+00.00 TO STA. 490+00.00 | |

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---------------------------|----------|--------------|--------------------|
| 74 | 90-(14R)(14B,14,14HVB1BR) | TAZEWELL | 2433 | 1464 |
| FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT | | | | CONTRACT NO. 68620 |

ENTIRE SHEET RE-ISSUED



- LEGEND**
- R.O.W. MARKER FOUND
 - SET 5/8" IRON PIN W/ CAP
 - A/C --- EXISTING R.O.W. AND A/C LINE
 - EXISTING CENTERLINE
 - SECTION LINE
 - A/C --- PROPOSED R.O.W. AND RELOCATED A/C LINE
 - PROPOSED TEMPORARY EASEMENT LINE
 - EXISTING UTILITY EASEMENT LINE
 - () RECORD DATA

ENTIRE SHEET RE-ISSUED

| | | | | | | | | | | | | |
|-------------------------------|--------------------------|------------|-------------------------------------|---|---------------------------|-------------------------|----------------------------------|---|--------------------|--------------|-----------|--|
| FILE NAME ...VRDWP_AW2.dgn | USER NAME * jroebillo | DESIGNED - | REVISED - Δ 10/23/12 JNR/MOA | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | RIGHT OF WAY PLANS | | F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| | PLOT SCALE * 1/4" = 100' | DRAWN - | REVISED - | | PROJECT | JOB NO. R-94-013-11 | 74 | 90-(14R)(14B,14,14HB)BR | TAZEWELL | 2433 | 1465 | |
| | PLOT DATE * 10/22/2012 | CHECKED - | REVISED - | | SCALE: 1" = 100' | SHEET NO. 2 OF 8 SHEETS | STA. 490+00.00 TO STA. 515+00.00 | FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT | | | | |
| | | DATE - | REVISED - | | | | | | CONTRACT NO. 68620 | | | |



506+58.61
922.42'
N.E. COR., NE. 1/4 SEC. 13
FOUND RR SPIKE
DOC. NO. 200700016077

519+04.71
1781.26'
NE. COR., NW. 1/4 SEC. 18
FOUND PIPE
DOC. NO. 11-21483

☉ CURVE DATA
CURVE 74E1
P.I. STA. 536+46.10
Δ = 38°41'45" (LT)
D = 01°30'00"
T = 1,341.24'
R = 3,819.72'
L = 2,579.73'
P.C. STA. 523+04.86
P.T. STA. 548+84.59

48DC003 & TE
GERALDINE R. ROTH TRUSTEE
RUSSELL A. ROTH TRUSTEE
GERALDINE A. ROTH TRUSTEE

LEGEND
 ○ R.O.W. MARKER FOUND
 ● SET 5/8" IRON PIN W/ CAP
 --- A/C --- EXISTING R.O.W. AND A/C LINE
 - - - - - EXISTING CENTERLINE
 - - - - - SECTION LINE
 - - - - - PROPOSED R.O.W. AND RELOCATED A/C LINE
 - - - - - PROPOSED TEMPORARY EASEMENT LINE
 - - - - - EXISTING UTILITY EASEMENT LINE
 () RECORD DATA

519+27.73
1377.85'
SE. COR., NE. 1/4 SEC. 13
FOUND STONE
DOC. NO. 11-21483

519+44.24
1407.78'
SW. COR., NW. 1/4 SEC. 18
FOUND STONE
DOC. NO. 11-21483

530+97.86
747.38'
SE. COR., NW. 1/4 SEC. 18
FOUND IRON PIN
DOC. NO. 11-21483

48DC008
KENNETH D. GETZ TRUSTEE
RONALD D. EIGSTI TRUSTEE
ELSIE T. EIGSTI TRUSTEE
RONALD D. EIGSTI TRUSTEE

ENTIRE SHEET RE-ISSUED

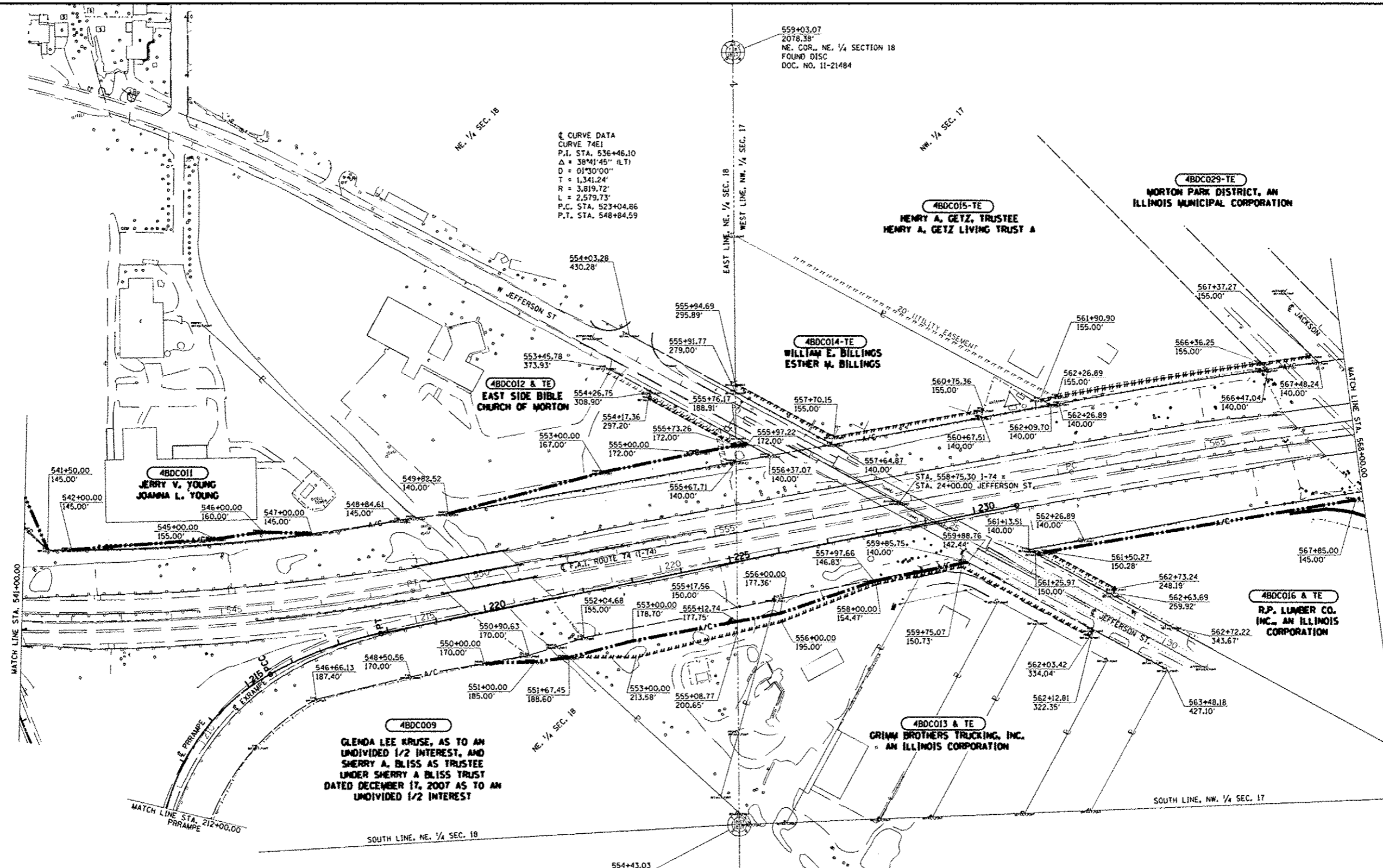
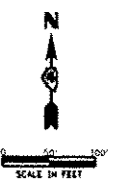
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| FILE NAME ...ARDWP\LAN3.dgn | USER NAME j_freohillo | DESIGNED - | REVISED - 10/25/12 JWR/WDA |
| PLOT SCALE = NCS1.SCALE1 | CHECKED - | REVISED - | REVISED - |
| PLOT DATE = 10/22/2012 | DATE - | REVISED - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RIGHT OF WAY PLANS

| | |
|---|---------------------|
| PROJECT STA. 515+00.00 TO STA. 541+00.00 | JOB NO. R-94-013-11 |
| SHEET NO. 3 OF 8 SHEETS | CONTRACT NO. 68620 |

| | | | | |
|---|---|--------------------|----------------------|-------------------|
| F.A.I. RTE. 74 | SECTION 90-(14R)(14B-4,14,14HV)(18R) | COUNTY TAZEWELL | TOTAL SHEETS 2433 | SHEET NO. 1466 |
| FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT | | | | |



CURVE DATA
 CURVE 74EJ
 P.I. STA. 536+46.10
 Δ = 38°41'45" (L.T.)
 D = 01°30'00"
 T = 1,341.24'
 R = 3,819.72'
 L = 2,579.73'
 P.C. STA. 523+04.86
 P.T. STA. 548+84.59

LEGEND

- ⊕ R.O.W. MARKER FOUND
- SET 5/8" IRON PIN W/ CAP
- EXISTING R.O.W. AND A/C LINE
- EXISTING CENTERLINE
- SECTION LINE
- PROPOSED R.O.W. AND RELOCATED A/C LINE
- PROPOSED TEMPORARY EASEMENT LINE
- EXISTING UTILITY EASEMENT LINE
- () RECORD DATA

| | | | | | | | | | | | |
|------------------------------|------------------------|----------------|-------------------------------|---|---|-------------------------|---|-------------------------------------|--------------------|----------------------|-------------------|
| FILE NAME ...VRODPLAN.dgn | USER NAME jacobillo | DESIGNED - | REVISED - 10/23/12 JWR/MOA | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | RIGHT OF WAY PLANS | | F.A.I. RTE. 74 | SECTION 90-[14R(14B-4,14,14HB)B] | COUNTY TAZEWELL | TOTAL SHEETS 2433 | SHEET NO. 1467 |
| PLOT SCALE = 1/8" = 100' | CHECKED - | DATE - | REVISIONS - | | PROJECT STA. 541+00.00 TO STA. 568+00.00 | JOB NO. R-94-013-11 | CONTRACT NO. 68620 | | | | |
| PLOT DATE = 10/22/2012 | DATE - | REVISIONS - | REVISIONS - | | SCALE: 1" = 100' | SHEET NO. 4 OF 8 SHEETS | FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT | | | | |
| ENTIRE SHEET RE-ISSUED | | | | | | | | | | | |



LEGEND

- R.O.W. MARKER FOUND
- SET 5/8" IRON PIN W/ CAP
- - - - - EXISTING R.O.W. AND A/C LINE
- - - - - EXISTING CENTERLINE
- - - - - SECTION LINE
- - - - - PROPOSED R.O.W. AND RELOCATED A/C LINE
- - - - - PROPOSED TEMPORARY EASEMENT LINE
- - - - - EXISTING UTILITY EASEMENT LINE
- () RECORD DATA

☉ CURVE DATA
 CURVE 74E2
 P.I. STA. 576+92.67
 $\Delta = 13^{\circ}36'59"$ (RT)
 $D = 00^{\circ}28'00"$
 $T = 1,465.80'$
 $R = 12,277.67'$
 $L = 2,917.79'$
 P.C. STA. 562+26.87
 P.T. STA. 591+44.66

4BDC017
 E. LOUISE STEINER TRUSTEE
 CHERYL HAUTER TRUSTEE
 NATIONAL CITY BANK TRUSTEE
 IVAN L. STEINER TRUSTEE
 MELANIE S. CEYER TRUSTEE
 JEFFERY L. STEINER TRUSTEE
 NANCY S. STEINER TRUSTEE

4BDC018
 GLEN A. BERRY, JR.
 TAMARA SUE FULTON

4BDC021
 BERRY PROPERTIES, INC.

4BDC019 & TE
 HEARTLAND BANK AND TRUST AS TRUSTEE

4BDC020 & TE
 SOUTH SIDE TRUST & SAVINGS BANK OF PEORIA, AS TRUSTEE

4BDC022 & TE
 TRUSTEE OF THE TRUSTS
 CREATED UNDER THE LAST WILL
 AND TESTAMENT OF ANTHONY T. LAHOOD

4BDC027 & TE
 CHICAGO TRUST COMPANY, AS
 SUCCESSOR TO THE WAYNE HAMMER
 TRUST COMPANY

4BDC023
 KROGER LIMITED PARTNERSHIP I

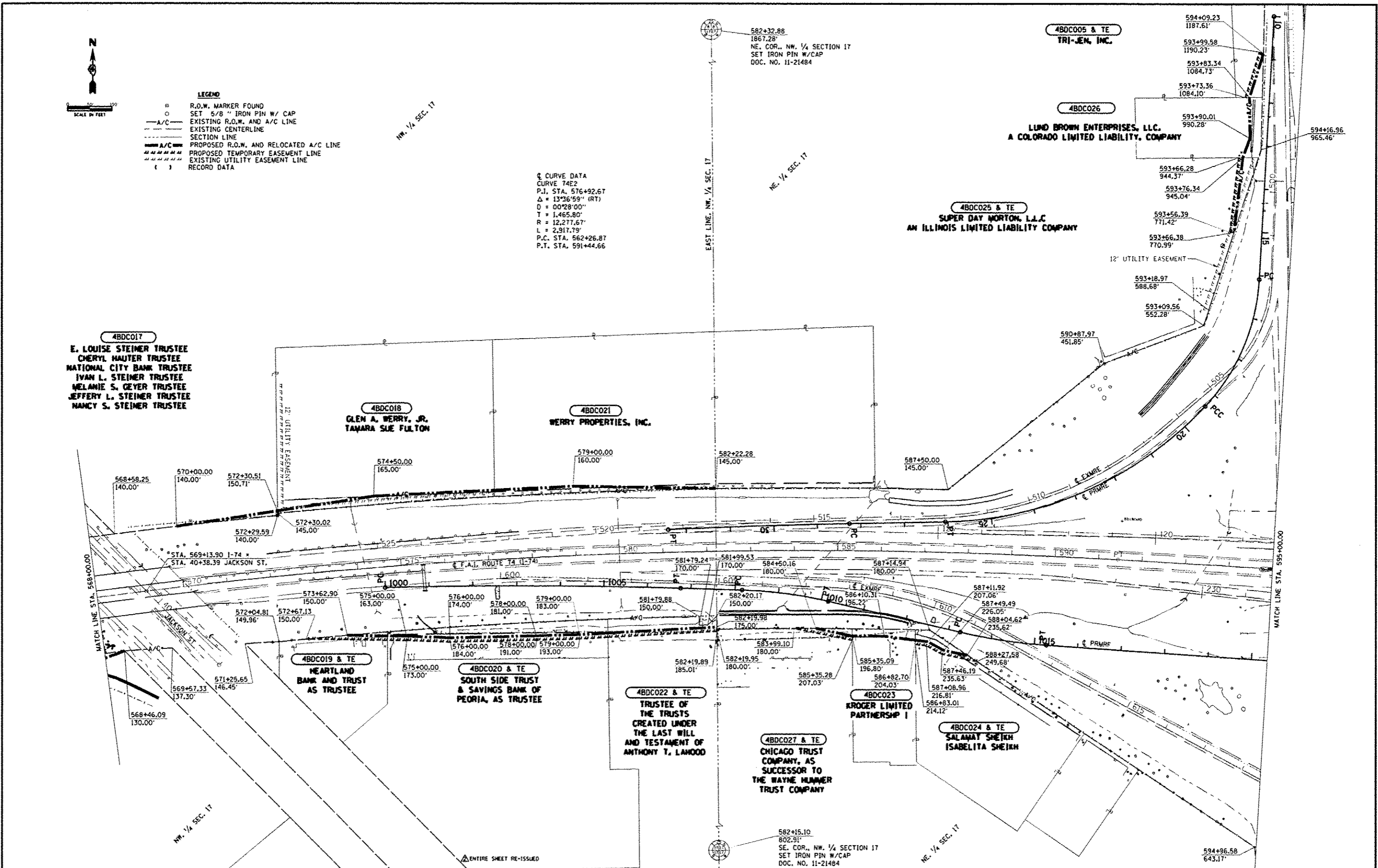
4BDC024 & TE
 SALAMAT SHEIKH
 ISABELITA SHEIKH

4BDC005 & TE
 TRI-JEM, INC.

4BDC026

LIND BROWN ENTERPRISES, LLC.
 A COLORADO LIMITED LIABILITY COMPANY

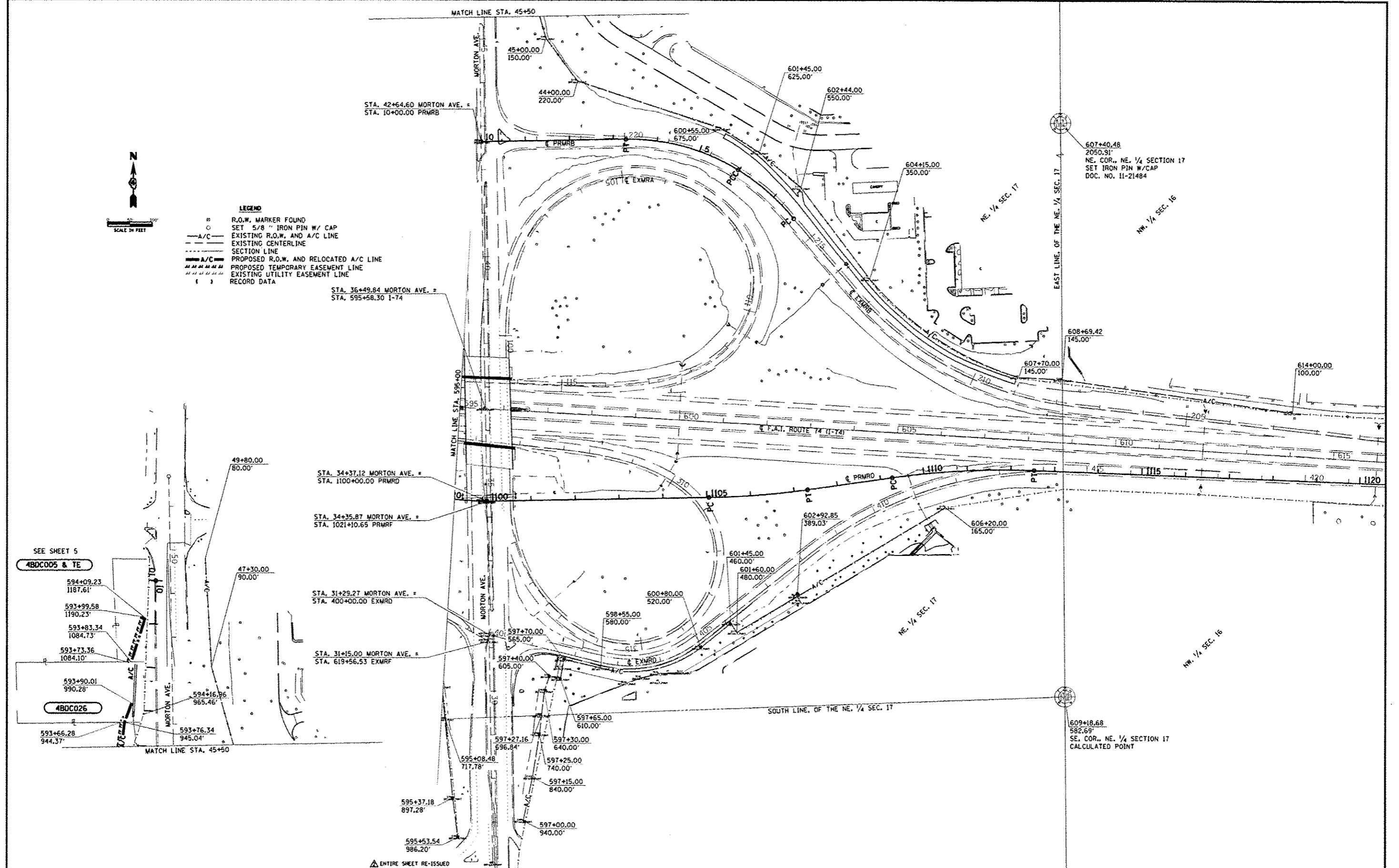
4BDC025 & TE
 SUPER DAY MORTON, L.L.C.
 AN ILLINOIS LIMITED LIABILITY COMPANY



| | | | | | | | | | | | | |
|------------------------------|-----------|----------|---------|---|---------------------------|--|----------------------------------|------------------------------|----------|--------------|-----------|--|
| FILE NAME ...RDWPLANS.dgn | USER NAME | DESIGNED | REVISED | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | RIGHT OF WAY PLANS | | F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| | PLT SCALE | DRAWN | REVISED | | | | 74 | 90-(14R)-(14B-4,14,14HVBI8R) | TAZEWELL | 2433 | 1468 | |
| | PLT DATE | CHECKED | REVISED | | PROJECT | | JOB NO. | CONTRACT NO. 68620 | | | | |
| | | DATE | REVISED | | SHEET NO. 5 OF 8 SHEETS | | STA. 568+00.00 TO STA. 595+00.00 | ILLINOIS FED. AID PROJECT | | | | |



- LEGEND**
- R.O.W. MARKER FOUND
 - SET 5/8" IRON PIN W/ CAP
 - A/C EXISTING R.O.W. AND A/C LINE
 - EXISTING CENTERLINE
 - SECTION LINE
 - A/C PROPOSED R.O.W. AND RELOCATED A/C LINE
 - PROPOSED TEMPORARY EASEMENT LINE
 - EXISTING UTILITY EASEMENT LINE
 - () RECORD DATA



SEE SHEET 5
4BDC005 & TE

4BDC026

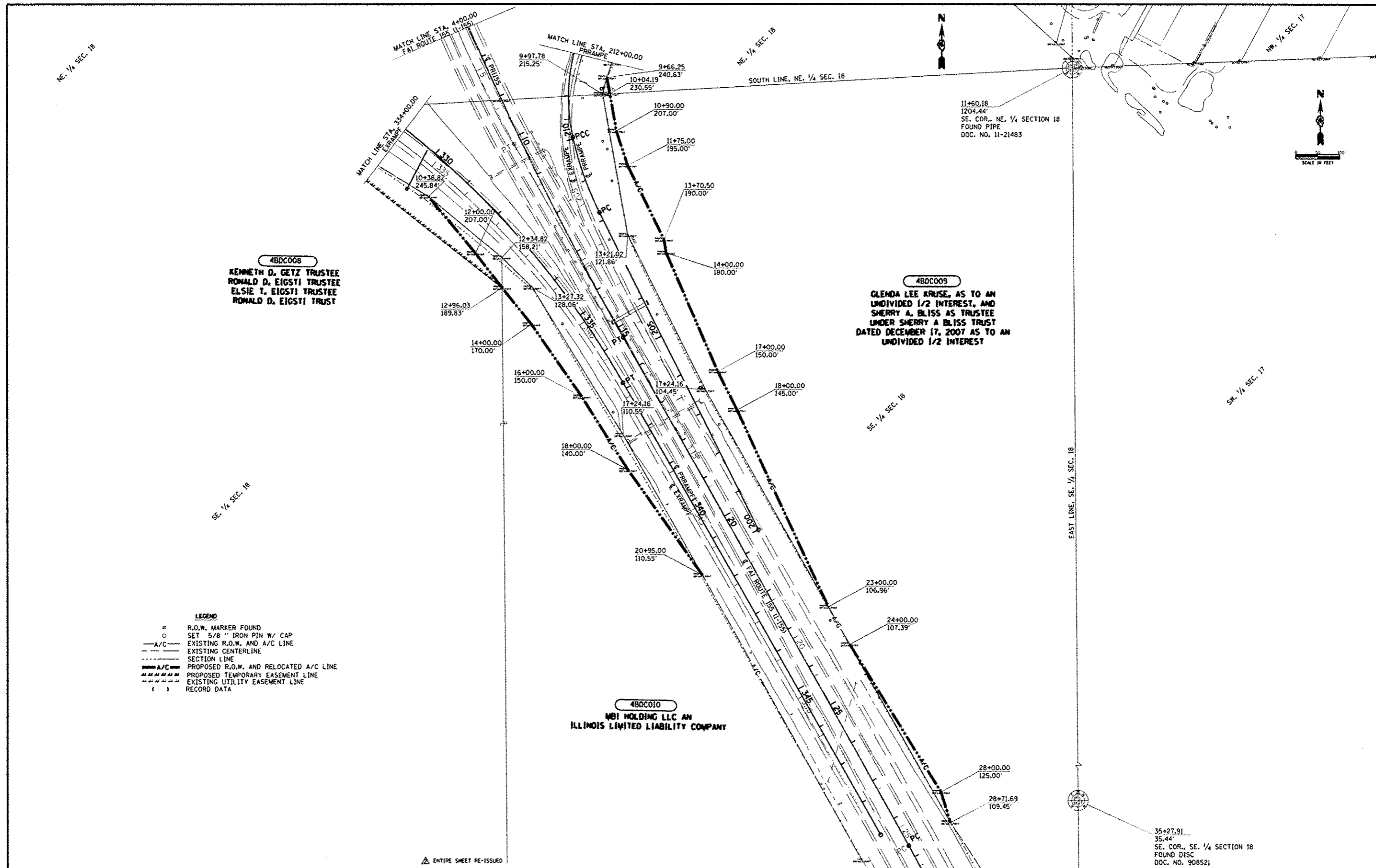
ENTIRE SHEET RE-ISSUED

| | | | |
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| FILE NAME ...revRDWPLAN5.dgn | USER NAME vreamillo | DESIGNED - | REVISED - 10/23/12 JMR/WGA |
| | | DRAWN - | REVISED - |
| | | CHECKED - | REVISED - |
| | | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| RIGHT OF WAY PLANS | |
|-------------------------|----------------------------------|
| PROJECT | JOB NO. R-94-013-11 |
| SHEET NO. 6 OF 8 SHEETS | STA. 595+00.00 TO STA. 610+00.00 |

| | | | | |
|---|--------------------------|----------|--------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 74 | 90-[14R+14B-4,14,14VB]BR | TAZEWELL | 2433 | 1469 |
| CONTRACT NO. 68620 | | | | |
| FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT | | | | |



4BDC008
 KENNETH D. GETZ TRUSTEE
 RONALD D. EIGSTI TRUSTEE
 ELSIE T. EIGSTI TRUSTEE
 RONALD D. EIGSTI TRUST

4BDC009
 GLENDA LEE KRUSE, AS TO AN
 UNDIVIDED 1/2 INTEREST, AND
 SHERRY A. BLISS AS TRUSTEE
 UNDER SHERRY A. BLISS TRUST
 DATED DECEMBER 17, 2007 AS TO AN
 UNDIVIDED 1/2 INTEREST

4BDC010
 MBI HOLDING LLC AN
 ILLINOIS LIMITED LIABILITY COMPANY

- LEGEND**
- ⊙ R.O.W. MARKER FOUND
 - SET 5/8" IRON PIN W/ CAP
 - A/C --- EXISTING R.O.W. AND A/C LINE
 - --- EXISTING CENTERLINE
 - --- SECTION LINE
 - A/C --- PROPOSED R.O.W. AND RELOCATED A/C LINE
 - --- PROPOSED TEMPORARY EASEMENT LINE
 - --- EXISTING UTILITY EASEMENT LINE
 - () RECORD DATA

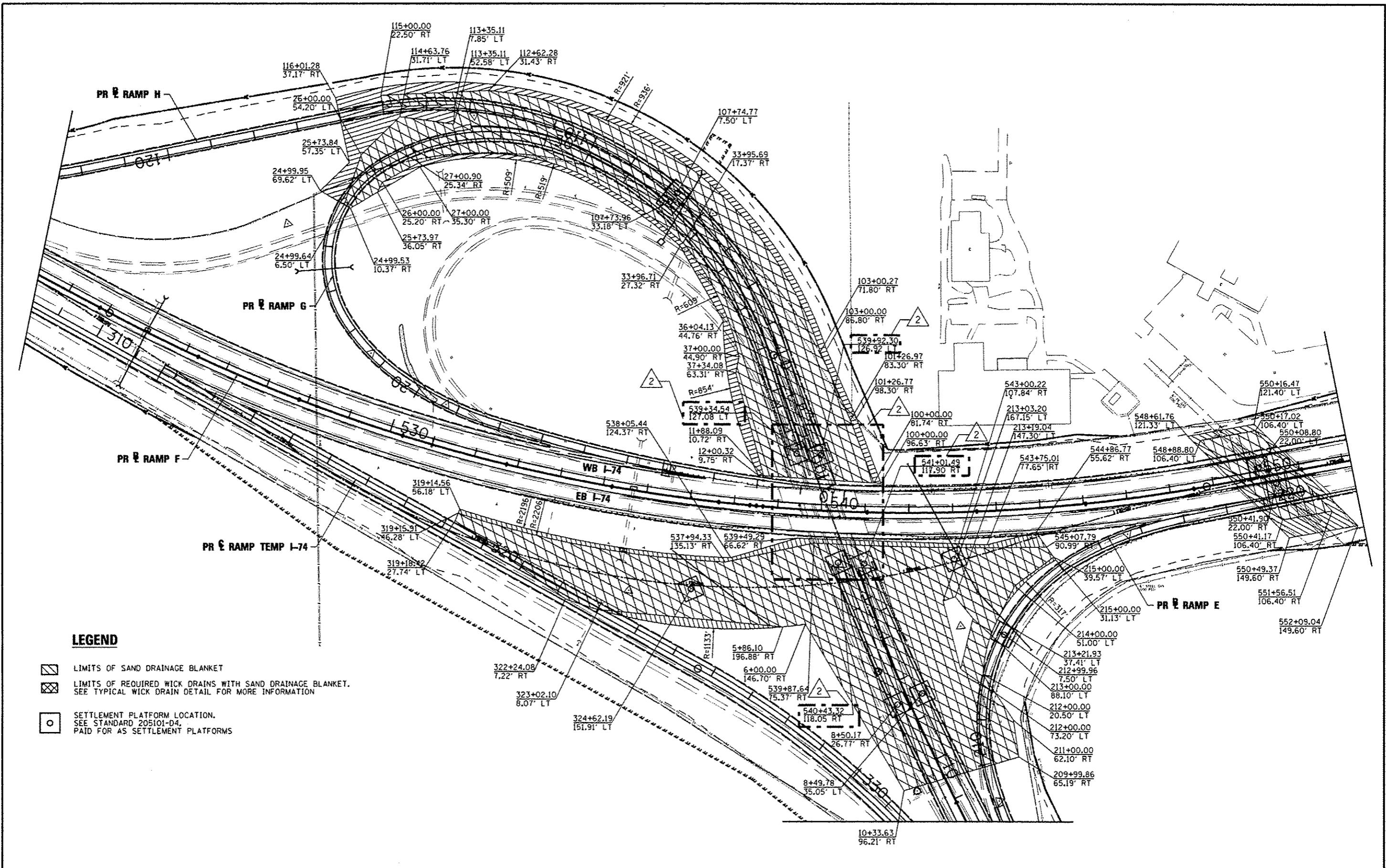
ENTIRE SHEET RE-ISSUED

| | | | |
|-------------------------------|------------------------|-------------------|----------------------------|
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| | | DRAWN - | REVISED - |
| | | CHECKED - | REVISED - |
| | | DATE - 10/22/2012 | REVISED - |




**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

| RIGHT OF WAY PLANS | |
|--------------------|-------------------------------|
| PROJECT | JOB NO. R-94-013-11 |
| SCALE: 1" = 100' | SHEET NO. 7 OF 8 SHEETS |
| | STA. 4+00.00 TO STA. 26+00.00 |

| | | | | |
|---|---------------------------|----------|--------------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 74 | 90-[14R]14B-4,14,14HV[B]B | TAZEWELL | 2433 | 1470 |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 68620 | |



LEGEND

-  LIMITS OF SAND DRAINAGE BLANKET
-  LIMITS OF REQUIRED WICK DRAINS WITH SAND DRAINAGE BLANKET. SEE TYPICAL WICK DRAIN DETAIL FOR MORE INFORMATION
-  SETTLEMENT PLATFORM LOCATION. SEE STANDARD 205101-04. PAID FOR AS SETTLEMENT PLATFORMS

| | | |
|--|----------------------|--------------------------|
| FILE NAME * | DESIGNED - AJP | REVISED - 2/10/23/12 JNR |
| ...D4EBE28-shr-wick-sand-blk-drain.dgn | DRAWN - TWB | REVISED - |
| USER NAME * pambilo | CHECKED - JNR | REVISED - |
| PLOT DATE * 10/21/2012 | DATE - JULY 20, 2012 | REVISED - |

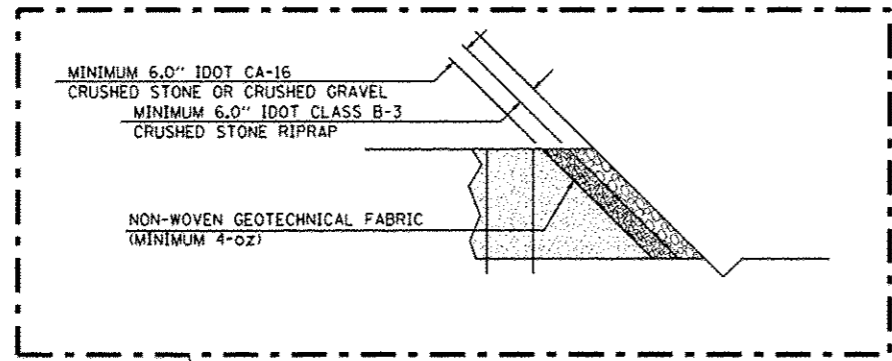


**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

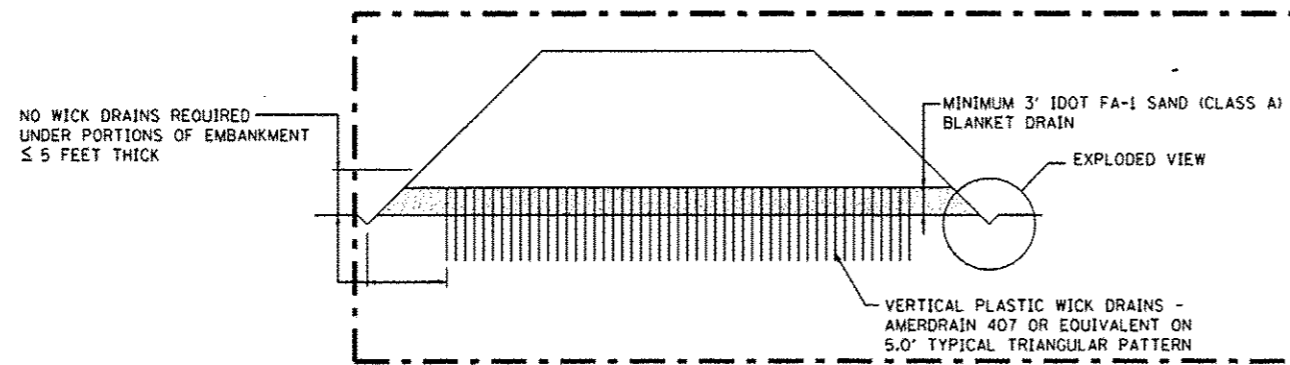
**LIMITS OF WICK DRAINS
AND SAND BLANKET DRAINS**

SCALE: SHEET NO. 1 OF 2 SHEETS STA. TO STA.

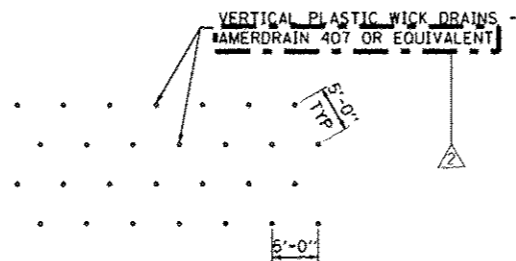
| | | | | |
|---------------------------|----------|--------|--------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90-14R(14)B-4,14,14HVB(B) | TAZEWELL | 2433 | 1472 | |
| CONTRACT NO. 68620 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |



EXPLODED VIEW



ELEVATION VIEW



PLAN VIEW

NOTES

1. PLACE WICK DRAINS AT 5' TRIANGLE SPACING THROUGHOUT THE LIMITS SHOWN IN "LIMITS OF WICK DRAINS AND SAND BLANKET DRAIN" SHEET.
2. WICK DRAINS ARE REQUIRED TO EXTEND 15' BELOW THE EXISTING GROUND
3. WICK DRAINS PAID FOR AS WICK DRAINS
4. SAND BLANKET PAID FOR AS SAND BLANKET

| | | |
|---|----------------------|------------------------|
| FILE NAME * | DESIGNED - AJP | REVISED - 10/23/12 EJA |
| ...ND46628-shr-tp-wick-drain-detail.dgn | DRAWN - TWB | REVISED - |
| USER NAME * jeebillo | CHECKED - JNR | REVISED - |
| PLOT DATE * 10/21/2012 | DATE - JULY 20, 2012 | REVISED - |

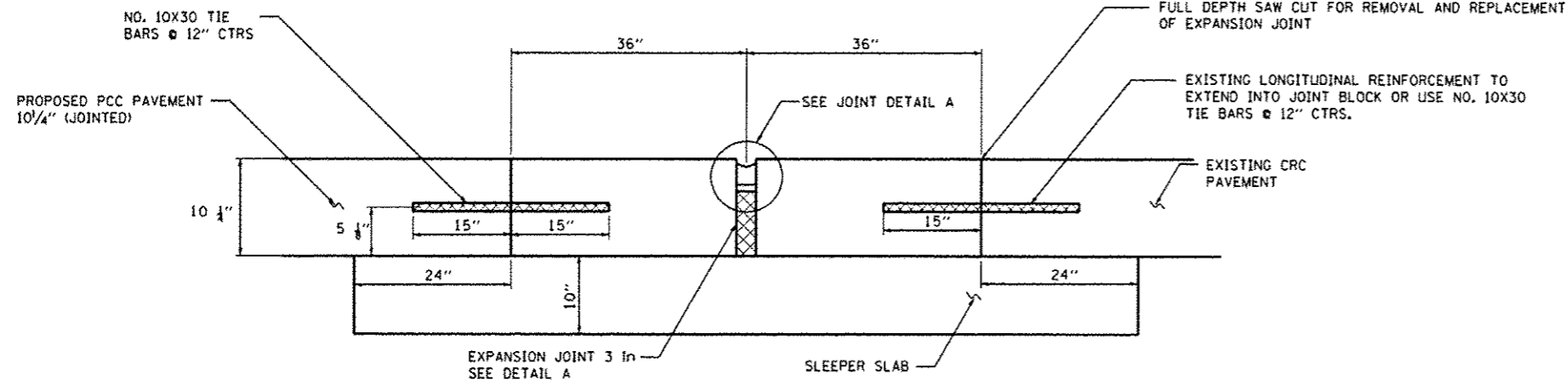


**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

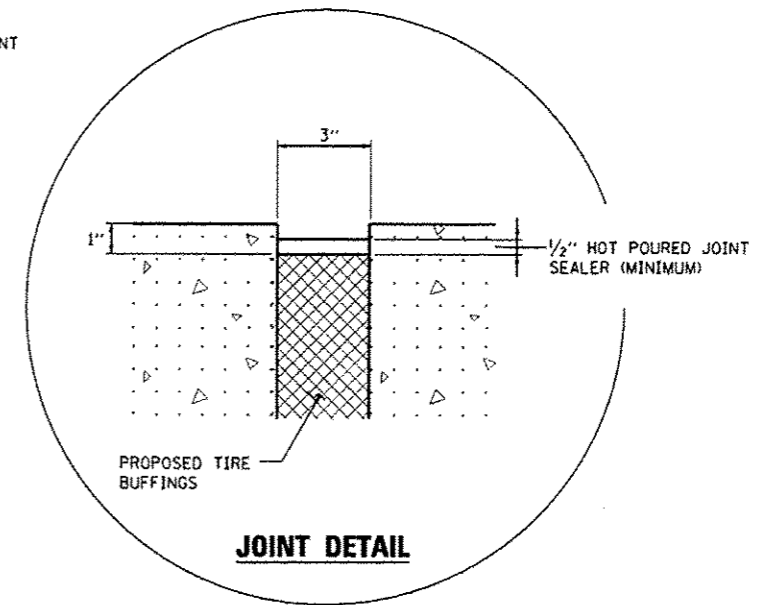
**TYPICAL WICK DRAIN & DRAINAGE
SAND BLANKET DETAIL**

SCALE: SHEET NO. 2 OF 2 SHEETS STA. TO STA.

| | | | | |
|---------------------------|----------|--------|--------------------|-----------|
| F.A.J. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90-14R(14MB-4,14,14MB)BR | TAZEWELL | 2433 | 1473 | |
| ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 68620 | |



EXPANSION JOINT DETAIL



JOINT DETAIL

DETAIL A

GENERAL NOTES:

1. ALL WORK SHALL BE DONE AS DIRECTED BY THE ENGINEER.
2. USE BUFFINGS FROM THE TIRE RETREADING INDUSTRY.
3. ENSURE TIRE BUFFINGS ARE CLEAN, DRY, AND WITHOUT ANY CONTAMINATION.
4. PLACE LOOSE BUFFINGS AND STRIKE OFF LEVEL.
5. COMPACT BUFFINGS BY SPADING WITH A SQUARE-NOSE SHOVEL.
6. USE HOT-POURED JOINT SEALER THAT MEETS THE REQUIREMENT OF ARTICLE 1050.02 AND ACCORDING TO THE APPLICABLE SECTION OF ARTICLE 420.12 OF THE STANDARD SPECIFICATIONS.
7. ALL WORK AND MATERIAL SHALL BE INCLUDED IN THE PAY ITEM REMOVING AND REPLACING EXPANSION JOINT.

ADDED SHEET

| | | |
|--------------------------------------|-----------------|----------------------------|
| FILE NAME * | DESIGNED - JNR | REVISED - 10/23/12 MOA/JNR |
| ...D4EB628-shr-ExpansionJoint-21.dgn | DRAWN - MOA | REVISED - |
| USER NAME * jraambillo | CHECKED - JNR | REVISED - |
| PLOT DATE = 10/22/2012 | DATE - 10/23/12 | REVISED - |

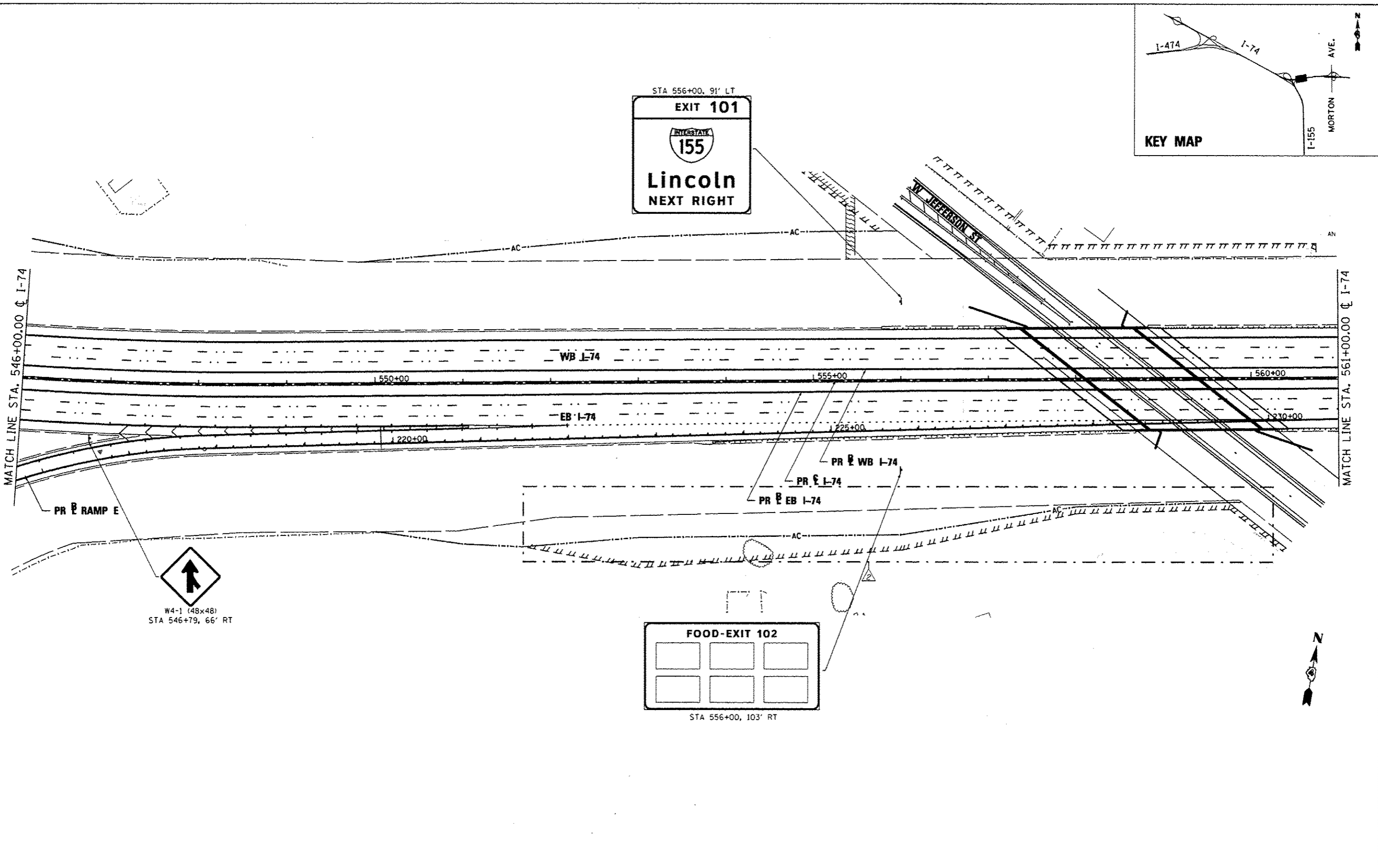
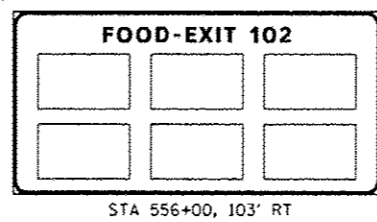
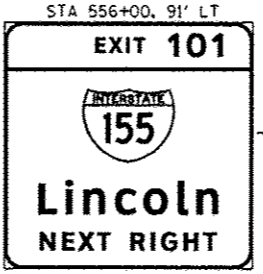
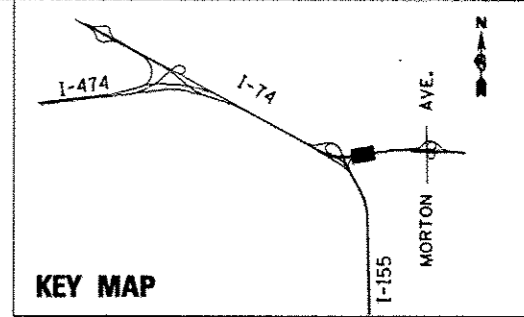


**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

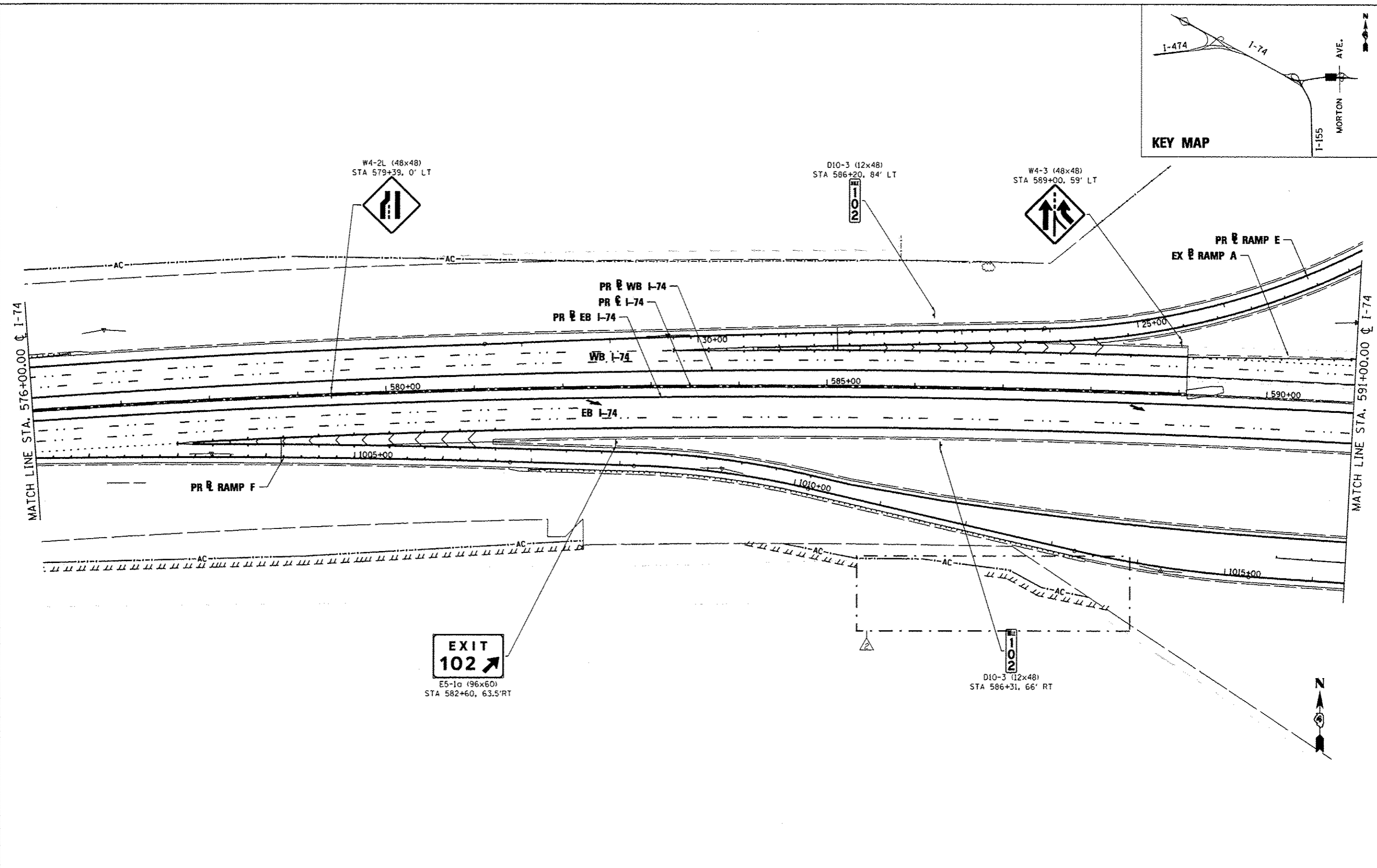
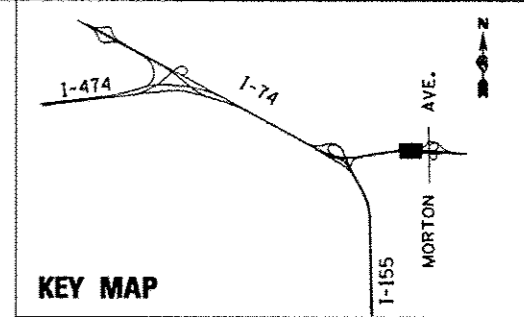
EXPANSION JOINT DETAIL

SCALE: NTS SHEET NO. OF SHEETS STA. TO STA.

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|----------------------------|----------|--------|--------------------|-----------|
| 90-114R(14HB-4,14,14HVB)BR | TAZEWELL | | 2433 | 1504 |
| ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 68620 | |



| | | | | | | | | | | | | |
|--------------------|----------------------|-----------------------------|--|---|------------------------------------|--|-------------------------------|----------------------------------|--------------------|--------------|---------------------------|--|
| FILE NAME * | DESIGNED - LDC | REVISED - 10/23/2012 L.D.C. | | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | SIGNING PLAN I-74 | | F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| #FILE# | DRAWN - SMS | REVISED - | | | | | • 90-[14R;14HB-4,14,14HV]BIBR | TAZEWELL | 2433 | 1554 | | |
| USER NAME * #USER# | CHECKED - GEB | REVISED - | | | SCALE: 1"=50' | | SHEET NO. 7 OF 36 SHEETS | STA. 546+00.00 TO STA. 561+00.00 | CONTRACT NO. 68620 | | ILLINOIS FED. AID PROJECT | |
| PLOT DATE * #DATE# | DATE - JULY 20, 2012 | REVISED - | | | * 74 & 155 | | | | | | | |



| | | |
|--------------------|----------------------|-----------------------------|
| FILE NAME * | DESIGNED - LOC | REVISED - 10/23/2012 L.D.C. |
| #FILE# | DRAWN - SMS | REVISED - |
| USER NAME * #USER# | CHECKED - GEB | REVISED - |
| PLOT DATE * #DATE# | DATE - JULY 20, 2012 | REVISED - |



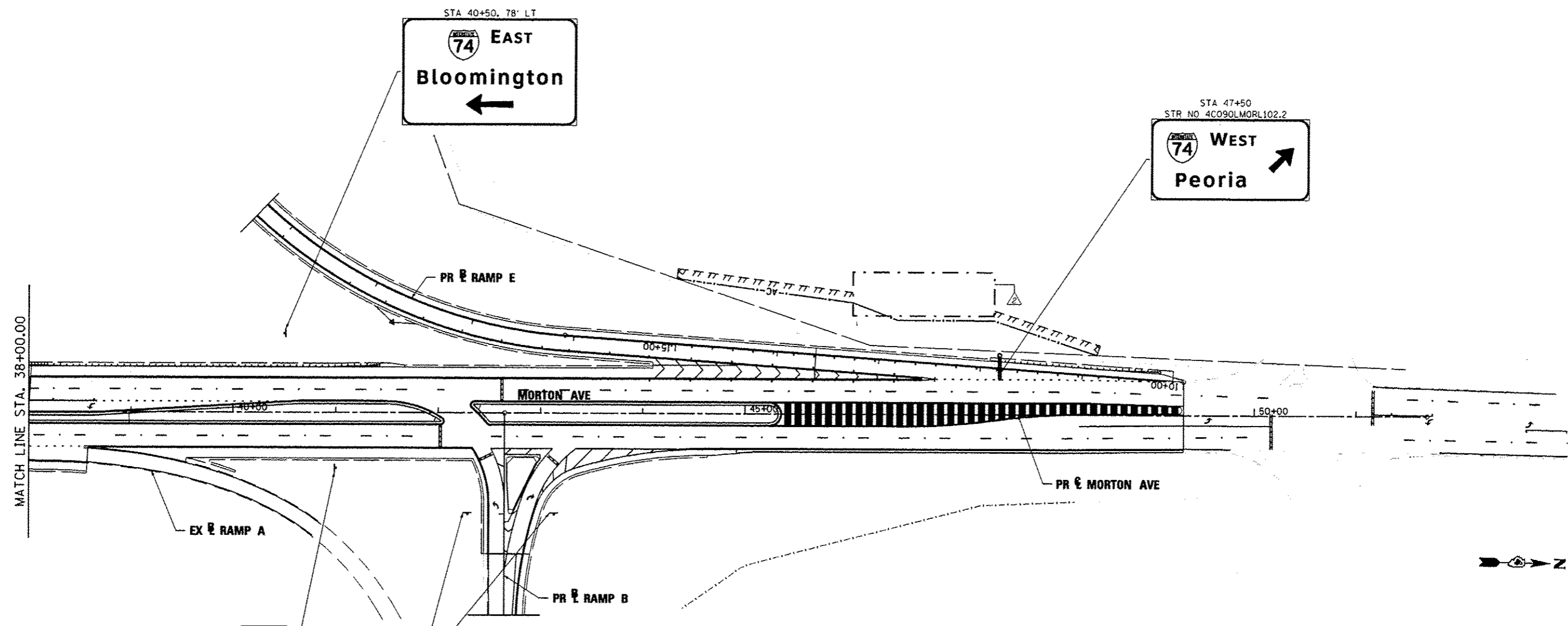
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN
I-74**

SCALE: 1"=50' SHEET NO. 9 OF 36 SHEETS STA. 576+00.00 TO STA. 591+00.00

| F.A.J. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|------------------------------|----------|--------|--------------|--------------------|
| 90-[14R][14HB-4,14,14HV][BR] | TAZEWELL | 2433 | 1556 | |
| | | | | CONTRACT NO. 68620 |

ILLINOIS FED. AID PROJECT

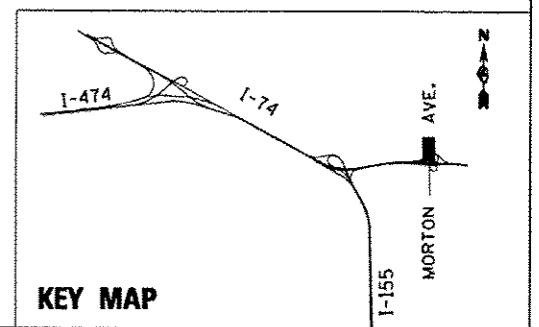


SPEED LIMIT
40

R2-1 (30x36)
STA 41+00, 55' RT

DO NOT ENTER

R5-1 (48x48)
STA 42+29 100' RT
STA 43+13, 100' RT



| | | |
|--------------------|----------------------|-----------------------------|
| FILE NAME * | DESIGNED - LOC | REVISED - 10/23/2012 L.D.C. |
| #FILE# | DRAWN - SMS | REVISED - |
| USER NAME * #USER# | CHECKED - GEB | REVISED - |
| PLOT DATE * #DATE# | DATE - JULY 20, 2012 | REVISED - |

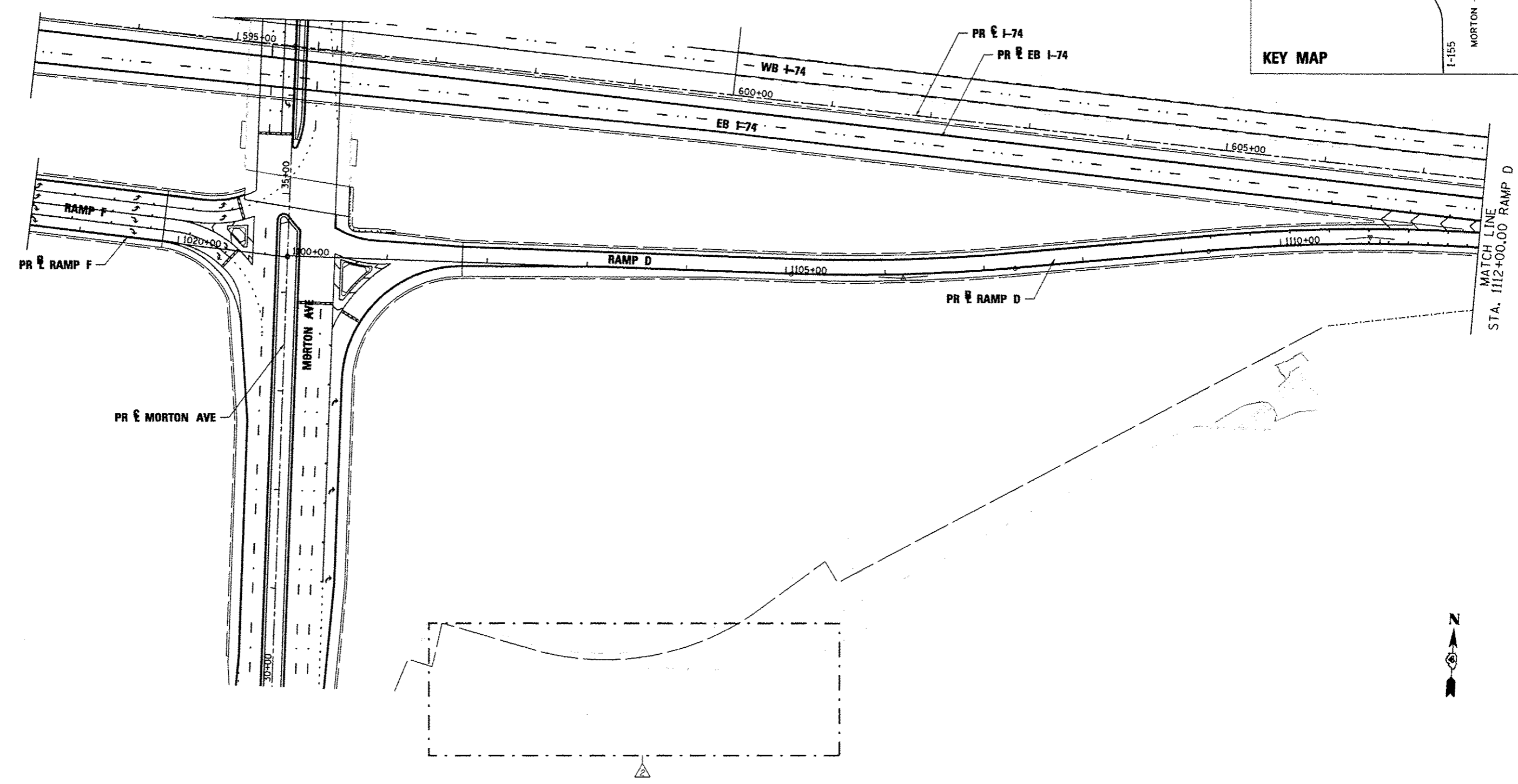
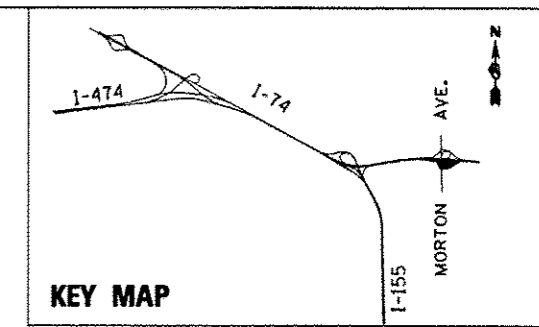


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLAN
MORTON AVE.

SCALE: 1"=50' SHEET NO. 30 OF 36 SHEETS STA. 38+00.00 TO STA. 51+59.62

| F.A.T. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------------------------|---------|----------|--------------------|-----------|
| • 80-E14R114MB-4,14,14HVBIBR3 | | TAZEWELL | 2433 | 1577 |
| | | | CONTRACT NO. 68620 | |
| ILLINOIS FED. AID PROJECT | | | | |



| | | |
|--------------------|----------------------|-----------------------------|
| FILE NAME * | DESIGNED - LDC | REVISED - 10/23/2012 L.D.C. |
| #FILE# | DRAWN - SMS | REVISED - |
| USER NAME * #USER# | CHECKED - GEB | REVISED - |
| PLOT DATE * #DATE# | DATE - JULY 20, 2012 | REVISED - |

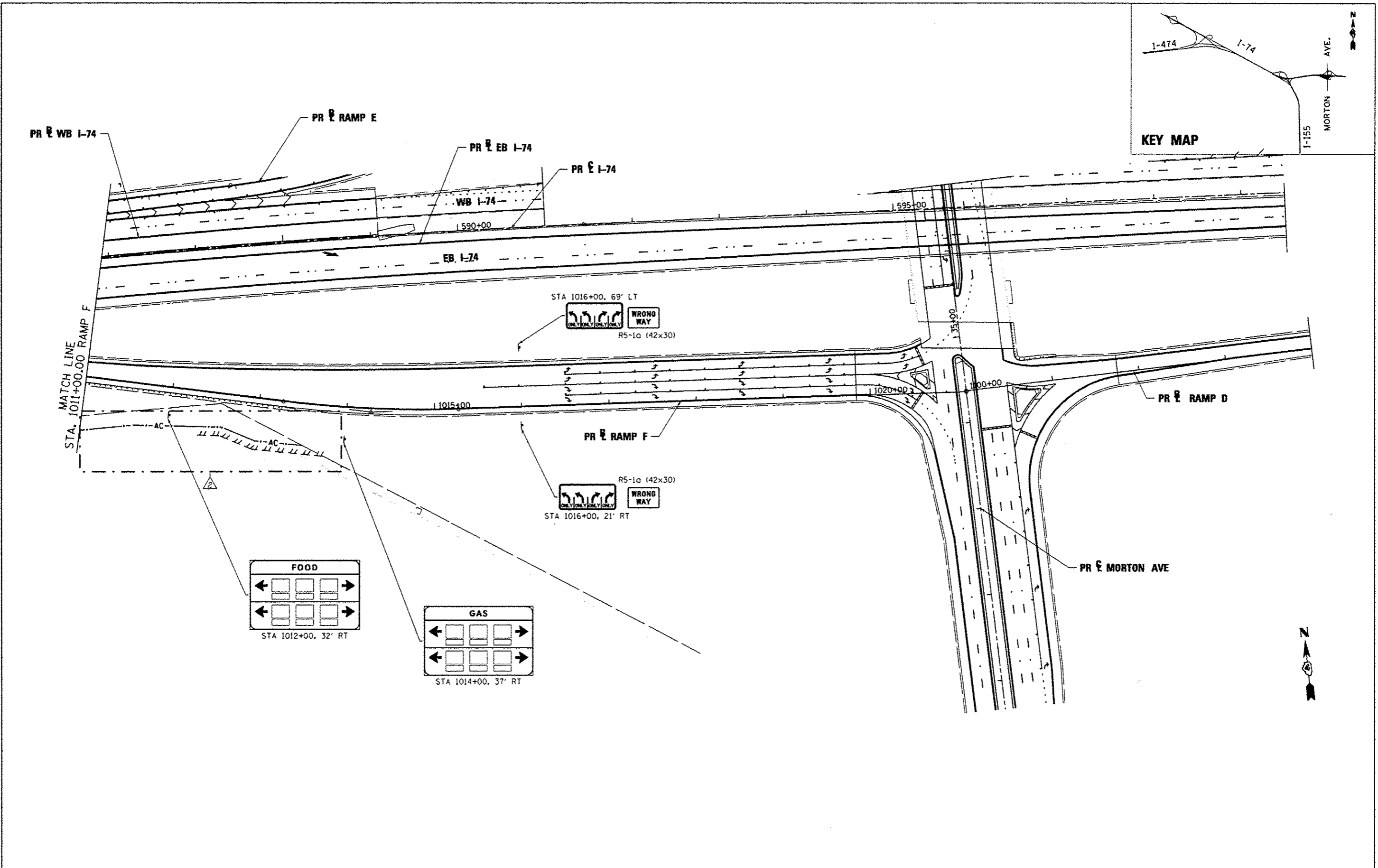
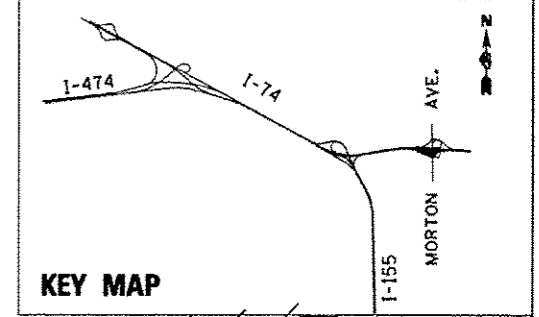


**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN
RAMP D MORTON AVE.**

SCALE: 1"=50' SHEET NO. 32 OF 36 SHEETS STA. 1100+00.00 TO STA. 1112+00.00

| | | | | |
|--------------------------------|---------|----------|--------------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| • BO-114R(14HB-4,14,14HV)BIBRI | | TAZEWELL | 2433 | 1579 |
| ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 68620 | |



| | | |
|--------------------|----------------------|-----------------------------|
| FILE NAME * | DESIGNED - LDC | REVISED - 10/23/2012 L.D.C. |
| #FILE# | DRAWN - SMS | REVISED - |
| USER NAME * #USER# | CHECKED - GEB | REVISED - |
| PLOT DATE * #DATE# | DATE - JULY 20, 2012 | REVISED - |



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIGNING PLAN
RAMP F MORTON AVE.**

SCALE: 1"=50' SHEET NO. 36 OF 36 SHEETS STA. 1011+00.00 TO STA. 1021+10.65

| | | | | |
|-----------------------------|---------|----------|---------------------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90-I(4R)(14HB-4,14,14HV)IBR | | TAZEWELL | 2433 | 1583 |
| CONTRACT NO. 68620 | | | ILLINOIS FED. AID PROJECT | |

| ROADWAY | LOCATION | SIGN CODE | MESSAGE OR DESCRIPTION | SIGN PANEL TYPE 1 (SQ FT) | SIGN PANEL TYPE 2 (SQ FT) | SIGN PANEL TYPE 3 (SQ FT) | TELES STL SIN SUPPORT (FOOT) | BASE TEL STL SIN SUPP (EACH) | WOOD SIN SUPPORT (FOOT) | STEEL SIGN POST SUPPORT - BREAK AWAY | | | | | CONC FOUNDATIO N (CU YD) | COMMENT | | |
|---------------|----------------------|-----------|--|------------------------------|------------------------------|------------------------------|---------------------------------|---------------------------------|----------------------------|--------------------------------------|----------------------------|--|------|------|--------------------------------|---------|-------------------------------|------------------------------|
| | | | | | | | | | | STEEL POST SIZE | STUB POST LENGTH (FOOT) | MAN POST LENGTH L1 (FOOT) L2 (FOOT) L3 (FOOT) | | | | | WEIGHT (POUND) PER FOOT | STR STL SN SUP BA (POUND) |
| I-74 | STA 475+35, 0' LT | R3-4 | NO U-TURN (SYMBOL) | 9 | | | 9 | 1 | | | | | | | | | MOUNTED ON WALL | |
| I-74 | STA 475+35, 0' LT | R5-11 | AUTHORIZED VEHICLES ONLY | 5 | | | | | | | | | | | | | MOUNTED WITH R3-4 | |
| I-74 | STA 476+65, 0' LT | R3-4 | NO U-TURN (SYMBOL) | 9 | | | 9 | 1 | | | | | | | | | MOUNTED ON WALL | |
| I-74 | STA 476+65, 0' LT | R5-11 | AUTHORIZED VEHICLES ONLY | 5 | | | | | | | | | | | | | MOUNTED WITH R3-4 | |
| I-74 | STA 482+66.5, LT | N/A | CUSTOM DIRECTIONAL SIGN | | | 595.25 | | | | | | | | | | | OVERHEAD MOUNTED | |
| I-74 | STA 498+50, RT | N/A | CUSTOM DIRECTIONAL SIGN | | | 672.8 | | | | | | | | | | | OVERHEAD MOUNTED | |
| I-74 | STA 501+21, 106' LT | N/A | CUSTOM DIRECTIONAL SIGN | | | 236.25 | | | | W14x38 | 3.5 | 20.4 | 21.7 | 23.0 | 38 | 2872.8 | 6.27 | OVERHEAD MOUNTED |
| I-74 | STA 508+15, LT | N/A | CUSTOM DIRECTIONAL SIGN | | | 676.5 | | | | | | | | | | | OVERHEAD MOUNTED | |
| I-74 | STA 508+15, LT | N/A | CUSTOM DIRECTIONAL SIGN | | | 78.8 | | | | | | | | | | | OVERHEAD MOUNTED | |
| I-74 | STA 510+00, 76' LT | R2-4a | COMBINED SPEED LIMIT 65, MINIMUM 45 | 32 | | | | | 21 | | | | | | | | OVERHEAD MOUNTED | |
| I-74 | STA 515+50, RT | N/A | CUSTOM DIRECTIONAL SIGN | | | 672.8 | | | | | | | | | | | OVERHEAD MOUNTED | |
| I-74 | STA 518+00, 69' LT | W4-3 | ADDED LANE | | 16 | | | | 20 | | | | | | | | | OVERHEAD MOUNTED |
| I-74 | STA 528+00, 69' RT | E5-1a | EXIT WITH INTERCHANGE NUMBER | | | 40 | | | 38 | | | | | | | | | 2 - 18' POSTS |
| I-74 | STA 530+50, 94.5' RT | N/A | BUSINESS LOGO SIGN | | | 200 | | | | W10x26 | 3 | 20.7 | 19.8 | 18.9 | 26 | 1778.4 | 3.81 | |
| I-74 | STA 532+50, 65.5' LT | E5-1a | EXIT WITH INTERCHANGE NUMBER | | | 40 | | | 36 | | | | | | | | | 2 - 18' POSTS |
| I-74 | STA 535+91, 91' RT | N/A | CUSTOM DIRECTIONAL SIGN | | | 130 | | | | W14x30 | 3 | 21.0 | 23.6 | | 30 | 1518.0 | 3.8 | |
| I-74 | STA 541+22, LT | N/A | CUSTOM DIRECTIONAL SIGN | | | 178.5 | | | | | | | | | | | | OVERHEAD MOUNTED |
| I-74 | STA 543+21, 95' RT | N/A | BUSINESS LOGO SIGN | | | 200 | | | | W14x38 | 3.5 | 21.1 | 23.4 | 25.8 | 38 | 3070.4 | 6.27 | |
| I-74 | STA 546+79, 66' RT | W4-1 | MERGE | | 16 | | | | 19 | | | | | | | | | |
| I-74 | STA 556+00, 91' LT | N/A | CUSTOM DIRECTIONAL SIGN | | | 182.25 | | | | W14x38 | 3.5 | 24.6 | 27.3 | | 38 | 2238.2 | 4.18 | |
| I-74 | STA 556+00, 103' RT | N/A | BUSINESS LOGO SIGN | | | 200 | | | | W14x38 | 3.5 | 21.5 | 23.8 | 26.2 | 38 | 3116.0 | 6.27 | |
| I-74 | STA 562+32, 72' RT | N/A | CUSTOM DIRECTIONAL SIGN | | | 130 | | | | W14x38 | 3.5 | 21.0 | 24.9 | | 38 | 2010.2 | 4.18 | |
| I-74 | STA 566+50, 76' RT | N/A | BUSINESS LOGO SIGN | | | 200 | | | | W14x38 | 3.5 | 21.0 | 24.5 | 28.0 | 38 | 3192.0 | 6.27 | |
| I-74 | STA 571+00, 64' LT | R2-4a | COMBINED SPEED LIMIT 65, MINIMUM 45 | 32 | | | | | 22 | | | | | | | | | |
| I-74 | STA 574+60, 89' RT | N/A | CUSTOM DIRECTIONAL SIGN | | | 149.5 | | | | | | | | | | | | |
| I-74 | STA 575+00, 0' LT | W9-1 | LEFT LANE ENDS | | 16 | | 10 | 1 | | W14x38 | 3.5 | 23.1 | 26.2 | | 38 | 2139.4 | 4.18 | |
| I-74 | STA 575+00, 66' LT | M3-4 | CARDINAL DIRECTION MARKER - WEST | 4.5 | | | | | 18 | | | | | | | | | MOUNTED ON WALL |
| I-74 | STA 575+00, 66' LT | M1-1 | INTERSTATE ROUTE - 74 | 9 | | | | | | | | | | | | | | MOUNTED WITH M3-4 |
| I-74 | STA 579+39, 0' LT | W4-2L | LANE ENDS | | 16 | | 10 | 1 | | | | | | | | | | MOUNTED ON WALL |
| I-74 | STA 582+60, 63.5' RT | E5-1a | EXIT WITH INTERCHANGE NUMBER | | | 40 | | | 36 | | | | | | | | | 2 - 18' POSTS |
| I-74 | STA 589+00, 59' LT | W4-3 | ADDED LANE | | 16 | | | | 19 | | | | | | | | | |
| I-74 | STA 606+00, 57' RT | W4-1 | MERGE | | 16 | | | | 19 | | | | | | | | | |
| I-155 | STA 6+00, 51' LT | W13-3 | ADVISORY RAMP SPEED - 50 | | | | | | 12 | | | | | | | | | |
| I-155 | STA 13+50, 44' RT | W4-1 | MERGE | | 16 | | | | 19 | | | | | | | | | |
| I-155 | STA 17+68, LT | N/A | CUSTOM DIRECTIONAL SIGN | | | 71.5 | | | | | | | | | | | | OVERHEAD MOUNTED |
| I-155 | STA 17+68, LT | N/A | CUSTOM DIRECTIONAL SIGN | | | 120.8 | | | | | | | | | | | | OVERHEAD MOUNTED |
| I-155 | STA 17+68, LT | N/A | CUSTOM DIRECTIONAL SIGN | | | 168 | | | | | | | | | | | | OVERHEAD MOUNTED |
| I-155 | STA 19+13, 77' RT | R2-4a | COMBINED SPEED LIMIT 65, MINIMUM 45 | 32 | | | | | 22 | | | | | | | | | |
| I-155 | STA 25+00, 92' RT | N/A | CUSTOM DIRECTIONAL SIGN | | | 434 | | | | W16x45 | 3.5 | 23.3 | 24.4 | 24.0 | 45 | 3899.0 | 6.69 | |
| I-155 | STA 27+00, 11' LT | W4-2L | LANE ENDS | | 16 | | | | 22 | | | | | | | | | |
| I-155 | STA 27+00, 71' RT | M3-3 | CARDINAL DIRECTION MARKER - SOUTH | 4.5 | | | | | 18 | | | | | | | | | |
| I-155 | STA 27+00, 71' RT | M1-1 | INTERSTATE ROUTE - 155 | | 11.3 | | | | | | | | | | | | | |
| I-155 | STA 27+00, 77' RT | M1-10 | EISENHOWER INTERSTATE SYSTEM | 9 | | | | | 20 | | | | | | | | | MOUNTED WITH M3-3 |
| I-155 | STA 27+00, 77' RT | N/A | A SYMBOL OF FREEDOM 1956-2006 | 9 | | | | | | | | | | | | | | MOUNTED WITH M1-10 |
| I-155 | STA 29+00, 95' RT | N/A | CUSTOM DIRECTIONAL SIGN | | | 157.5 | | | | | | | | | | | | |
| I-155 | STA 31+00, 11' LT | W9-1 | LEFT LANE ENDS | | 16 | | | | 21 | | | | | | | | | |
| I-155 | STA 35+00, 102' LT | N/A | CUSTOM DIRECTIONAL SIGN | | | 262.5 | | | | W14x38 | 3.5 | 22.7 | 23.9 | 23.4 | 38 | 3059.0 | 6.27 | |
| I-155 (EX) | STA 54+00 | N/A | CUSTOM DIRECTIONAL SIGN | | | 170 | | | | | | | | | | | | OVERHEAD MOUNTED |
| I-155 (EX) | STA 54+00 | N/A | CUSTOM DIRECTIONAL SIGN | | | 92.0 | | | | | | | | | | | | OVERHEAD MOUNTED |
| I-155 Ramp E | STA 207+00, 20' RT | W13-3 | ADVISORY RAMP SPEED - 35 | | 12 | | | | 19 | | | | | | | | | |
| I-155 Ramp G | STA 17+00, 20' RT | W13-3 | ADVISORY RAMP SPEED - 30 | | 12 | | | | 19 | | | | | | | | | |
| Morton Ave | STA 29+00, 93' RT | N/A | CUSTOM DIRECTIONAL SIGN | | | 333.3 | | | | W16x45 | 3.5 | 27.4 | 29.2 | 28.1 | 45 | 4284.0 | 6.69 | |
| Morton Ave | STA 32+00, 55' LT | R2-1 | SPEED LIMIT 40 | 7.5 | | | | | 18 | | | | | | | | | |
| Morton Ave | STA 34+31, 114' LT | R5-1 | DO NOT ENTER | | 16 | | | | 18 | | | | | | | | | |
| Morton Ave | STA 34+90, 63' RT | M3-4 | CARDINAL DIRECTION MARKER - WEST | 4.5 | | | | | | | | | | | | | | |
| Morton Ave | STA 34+90, 63' RT | M1-1 | INTERSTATE ROUTE - 74 | 9 | | | | | | | | | | | | | | MOUNTED ON MASTARM |
| Morton Ave | STA 34+90, 63' RT | M5-1 | DESTINATION ARROW AUXILIARY | 4.4 | | | | | | | | | | | | | | MOUNTED ON MASTARM |
| Morton Ave | STA 35+06, 85' LT | R5-1 | DO NOT ENTER | | 16 | | | | 19 | | | | | | | | | MOUNTED ON MASTARM |
| Morton Ave | STA 40+50, 78' LT | N/A | CUSTOM DIRECTIONAL SIGN | | | 178.5 | | | | W14x38 | 3.5 | 22.3 | 23.7 | 25.1 | 38 | 3100.8 | 6.27 | |
| Morton Ave | STA 41+00, 85' RT | R2-1 | SPEED LIMIT 40 | 7.5 | | | | | 16 | | | | | | | | | |
| Morton Ave | STA 42+29, 100' RT | R5-1 | DO NOT ENTER | | 16 | | | | 17 | | | | | | | | | |
| Morton Ave | STA 43+13, 100' RT | R5-1 | DO NOT ENTER | | 16 | | | | 18 | | | | | | | | | |
| Morton Ave | STA 47+50, LT | N/A | CUSTOM DIRECTIONAL SIGN | | | 124 | | | | | | | | | | | | OVERHEAD MOUNTED |
| Morton Ramp B | STA 4+02, 21' RT | W3-3 | SIGNAL AHEAD (SYMBOL) | | 16 | | | | 20 | | | | | | | | | |
| Morton Ramp B | STA 7+00, 36' LT | N/A | MANDATORY MOVEMENT LANE CONTROL | | 10.5 | | | | 18 | | | | | | | | | |
| Morton Ramp B | STA 7+00, 32' RT | N/A | MANDATORY MOVEMENT LANE CONTROL | | 10.5 | | | | 18 | | | | | | | | | |
| Morton Ramp E | STA 18+00, 36' LT | W13-3 | ADVISORY RAMP SPEED - 35 | | 12 | | | | 19 | | | | | | | | | |
| Morton Ramp F | STA 1008+00, 32' RT | N/A | BUSINESS LOGO SIGN | | | 100 | | | | W14x30 | 3 | 21.9 | 24.4 | | 30 | 1569.0 | 3.8 | |
| Morton Ramp F | STA 1010+00, 37' RT | N/A | BUSINESS LOGO SIGN | | | 100 | | | | W12x26 | 3 | 19.9 | 22.4 | | 26 | 1255.8 | 2.82 | |
| Morton Ramp F | STA 1012+00, 32' RT | N/A | BUSINESS LOGO SIGN | | | 100 | | | | W12x26 | 3 | 20.2 | 22.7 | | 26 | 1271.4 | 2.82 | |
| Morton Ramp F | STA 1014+00, 37' RT | N/A | BUSINESS LOGO SIGN | | | 100 | | | | W12x26 | 3 | 20.1 | 22.6 | | 26 | 1266.2 | 2.82 | |
| Morton Ramp F | STA 1016+00, 21' RT | N/A | MANDATORY MOVEMENT LANE CONTROL (MMLC) | | 19.5 | | | | 36 | | | | | | | | | 2 - 18' POSTS |
| Morton Ramp F | STA 1016+00, 21' RT | R5-1a | WRONG WAY | 8.75 | | | | | | | | | | | | | | MOUNTED BEHIND MMLC SIGN |
| Morton Ramp F | STA 1016+00, 69' LT | N/A | MANDATORY MOVEMENT LANE CONTROL (MMLC) | | 19.5 | | | | 40 | | | | | | | | | 2 - 20' POSTS |
| Morton Ramp F | STA 1016+00, 69' LT | R5-1a | WRONG WAY | 8.75 | | | | | | | | | | | | | | MOUNTED BEHIND MMLC SIGN |
| Totals | | | | 115 | 344 | 7,231 | 38 | 4 | 682 | | | | | | | 42492 | 85.5 | |

2 SEE CADD STDS 720006-D4 & 720011-D4

| | | | | | | | | | | | | |
|----------|---|------|---------|----------|-----|---|------------------|---------------------------|----------|---|--------------|-----------|
| 01-01-97 | RENUM. E-3.04, METRICS, NEW REVISION BOX, REVISED | T.P. | REVISED | 10/23/12 | MOA | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | SIGNING SCHEDULE | F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 10-16-06 | REVISED TO 2007 SPEC. | M.A. | | | | | | 30-14R/14HB-4.14,14HVB/BR | TAZEWELL | 2433 | 171 | |
| | | | | | | | | CONTRACT NO. 68620 | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | |

NOT TO SCALE

DESIGNER NOTES:
 1. Include District Special Provision.
 2. Check w/Bureau of Operations for current polices.
 3. Designer fill in table.

| Roadway | Station | A | B | C | D |
|---------------|---------|------|------|------|----|
| I-74 | 501+21 | 22.5 | 10.5 | 5 | 35 |
| I-74 | 530+50 | 20.0 | 10.0 | 6.25 | 35 |
| I-74 | 535+91 | 13.0 | 10.0 | 5 | 35 |
| I-74 | 543+21 | 20.0 | 10.0 | 5 | 35 |
| I-74 | 556+00 | 13.5 | 13.5 | 5 | 35 |
| I-74 | 556+00 | 20.0 | 10.0 | 5 | 35 |
| I-74 | 562+32 | 13.0 | 10.0 | 7 | 18 |
| I-74 | 566+50 | 20.0 | 10.0 | 7 | 18 |
| I-74 | 574+60 | 13.0 | 11.5 | 5 | 35 |
| I-155 | 25+00 | 31.0 | 14.0 | 7 | 18 |
| I-155 | 29+00 | 17.5 | 9.0 | 5 | 30 |
| I-155 | 35+00 | 21.0 | 12.5 | 5 | 35 |
| Morton Ave | 29+00 | 21.5 | 15.5 | 5 | 35 |
| Morton Ave | 40+50 | 17.0 | 10.5 | 5 | 35 |
| Morton Ramp F | 1008+00 | 12.5 | 8.0 | 7 | 25 |
| Morton Ramp F | 1010+00 | 12.5 | 8.0 | 5 | 30 |
| Morton Ramp F | 1012+00 | 12.5 | 8.0 | 7 | 25 |
| Morton Ramp F | 1014+00 | 12.5 | 8.0 | 5 | 30 |
| | | | | | |
| | | | | | |

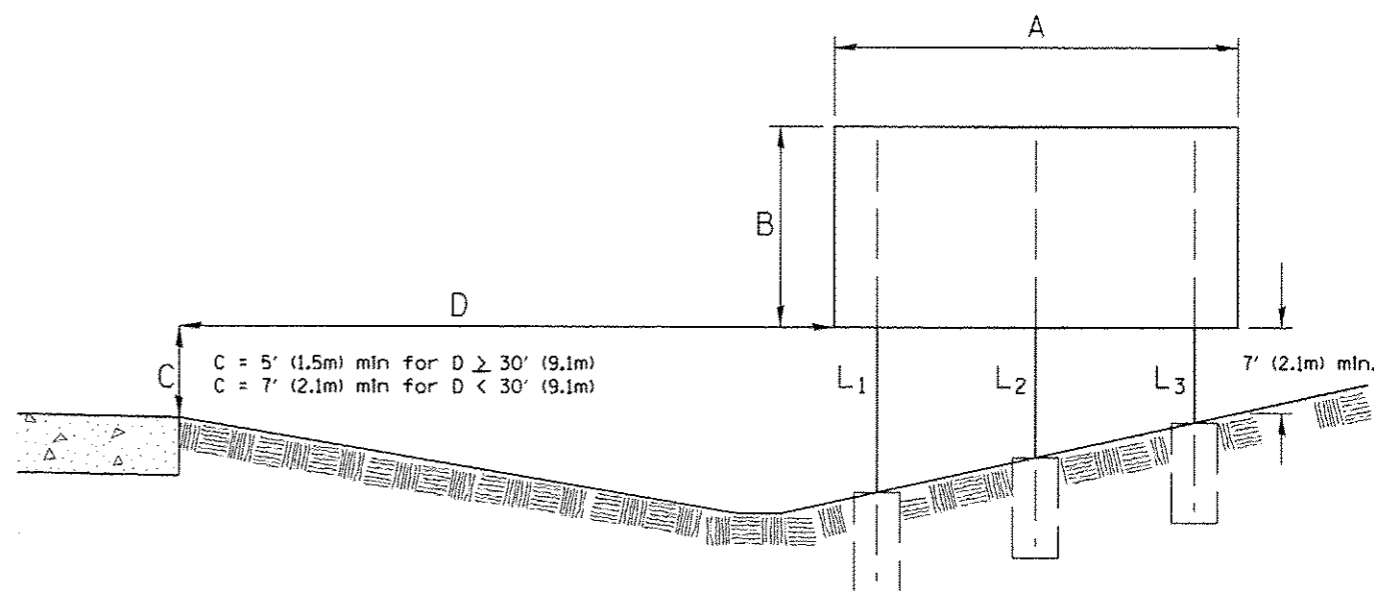
SEE CADD STD. 720001-D4



MILE POST MARKER ASSEMBLY SCHEDULE

| LOCATION | MILEPOST MKR (EACH) |
|---------------------|---------------------|
| I-74 | |
| STA 481+20, 67' LT | 1 |
| STA 481+22, 71' RT | 1 |
| STA 534+08, 102' LT | 1 |
| STA 534+11, 68' RT | 1 |
| STA 586+20, 84' LT | 1 |
| STA 586+31, 66' RT | 1 |
| I-155 | |
| STA 11+00, 64' LT | 1 |
| I-155 RAMP F | |
| STA 331+60, 31' RT | 1 |
| TOTAL | 8 |

- C * (A) For signs less than 30'(9.1m) from edge of pavement, the bottom edge of Sign shall be set level at an elevation of at least 7'(2.1m) above grade Elevation at edge of pavement.
 (B) For signs 30'(9.1m) and greater from edge of pavement, the bottom edge of sign shall be set level at an elevation of at least 5'(1.5m) above grade elevation at edge of pavement.
 (C) For signs on rising embankmentslopes, the bottom edge of the sign shall be set so as to obtain at least 7'(2.1 m) between the top of the stub post and the slot at the fuse plate on the far post. This may be reduced to 5'(1.5m) when the distance from the edge of pavement is 30'(9.1m) or greater and the slope is 1:2 or steeper or where it would be unlikely for an out of control vehicle to reach the post.
- D ** All signs will be placed 35'(10.7m) or more off of main line wherever possible, except when placed behind guardrail. Signs on ramps will be placed 18'(5.5m) or more off the edge of pavement.
 In general, the location of shoulder mounted signs may vary in order to take advantage of flatter cross sections which can result in considerable cost savings.



L₁ is always the post nearest to the edge of pavement. (See Sign Structures Manual)

7' (2.1m) min. between top of stud post & fuse plate. May be reduced to 5' (1.5m) when D = 30' (9.1m) & the slope is 1:2 or steeper or where it would be unlikely for an out of control vehicle to reach the post.

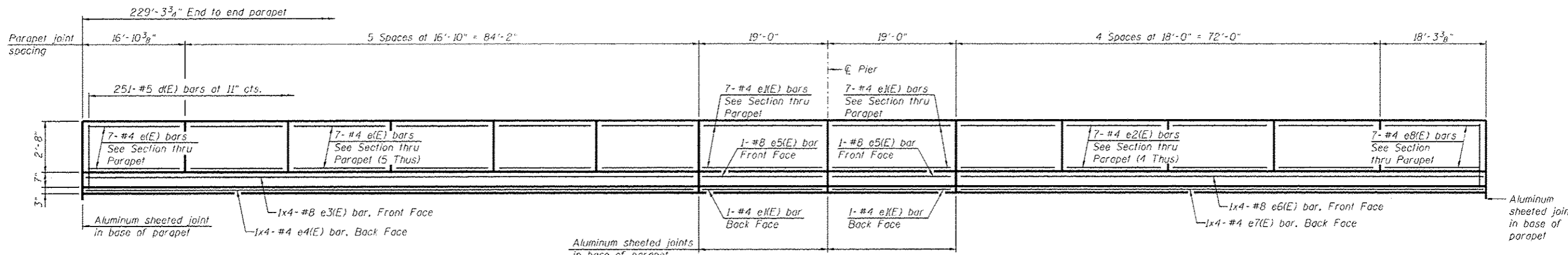
All post sizes and support lengths shown on plans shall be verified in field prior to construction.

All post sizes will be verified by the I.D.O.T. Shoulder Mounted Sign Post Stress Analysis (See Special Provisions).

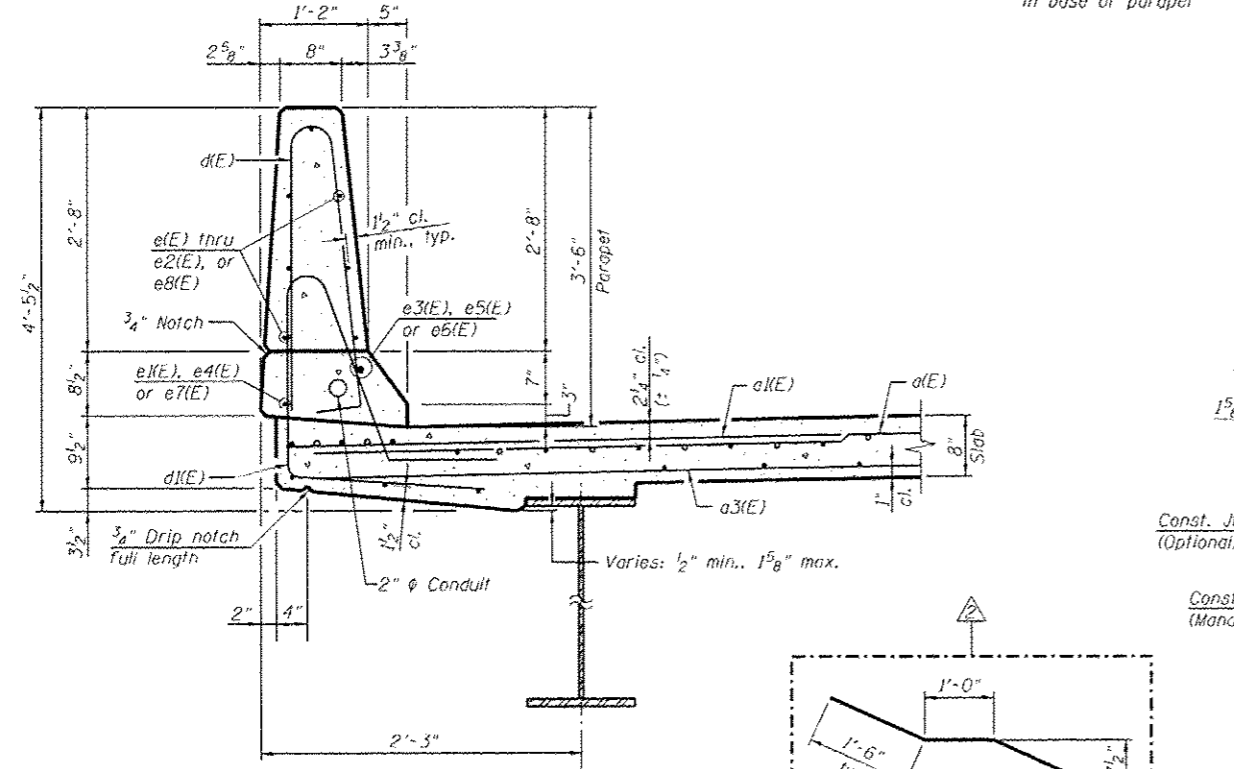
All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

All dimensions are in inches (millimeters) unless otherwise noted.

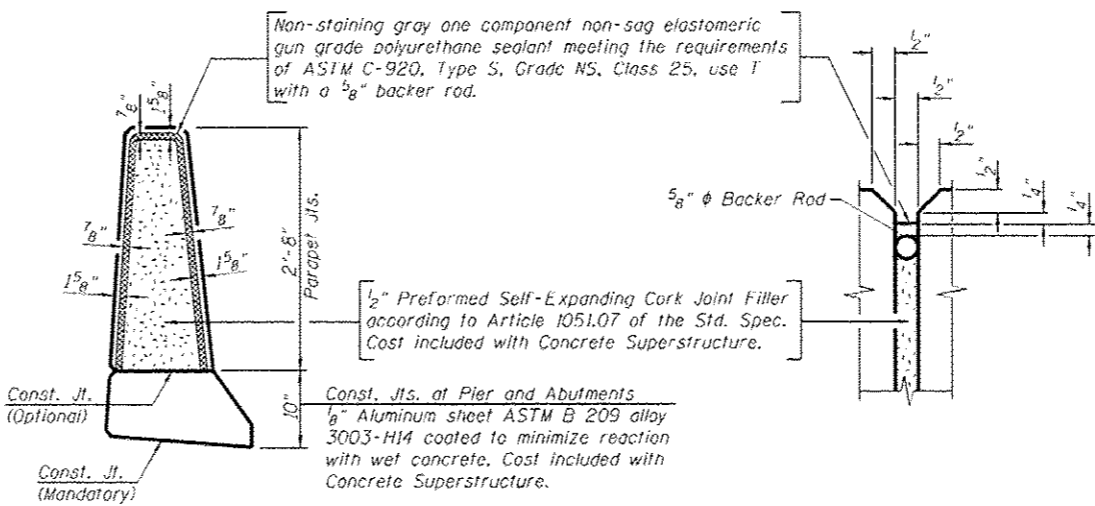
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|----------|---|------|---------|----------|-----|---|------------------|-----------------------------|---------------------|--------------------|--------------|---|
| 01-01-97 | RENUM. E-3.01, METRICS, NEW REVISION BOX, REVISED | T.P. | REVISED | 10/23/12 | MOA | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | SIGNING SCHEDULE | F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 10-16-06 | REVISED TO 2007 SPEC. | M.A. | | | | | | 90-C14R(14)HB-4,14,14HVBIER | TAZEWELL | 2433 | 172 | |
| | | | | | | | | NOT TO SCALE | CADD STD. 720001-D4 | CONTRACT NO. 68620 | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |



INSIDE ELEVATION OF PARAPET
(4 Thus)

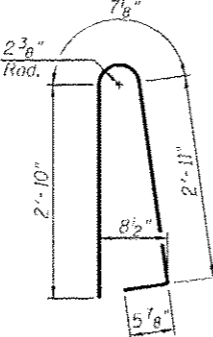
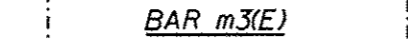


SECTION THRU PARAPET

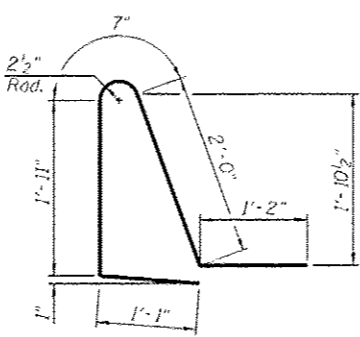


PARAPET JOINT DETAILS

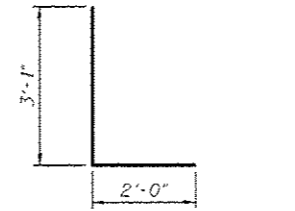
MINIMUM BAR LAP
(Parapet)
#4 bar = 2'-0"
#8 bar = 5'-2"



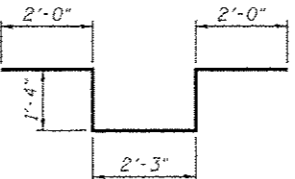
BAR d(E)



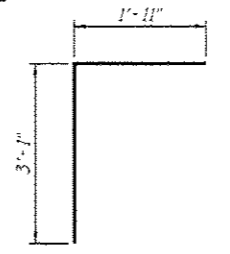
BAR d1(E)



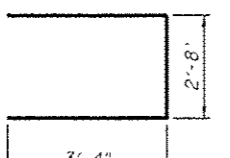
BAR d2(E)



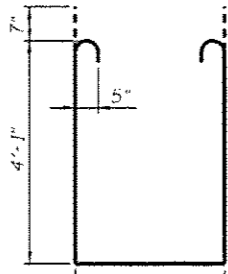
BAR d3(E)



BAR v(E)



BAR s(E)



BAR s1(E)

SUPERSTRUCTURE BILL OF MATERIAL (TWO DECKS)

| Bar | No. | Size | Length | Shape |
|----------------------------------|---------|------|----------|-------|
| a(E) | 1002 | #5 | 33'-6" | — |
| a1(E) | 2004 | #6 | 6'-6" | — |
| a2(E) | 8 | #6 | 36'-6" | — |
| a3(E) | 614 | #5 | 33'-0" | — |
| b(E) | 592 | #5 | 31'-6" | — |
| b1(E) | 210 | #6 | 25'-9" | — |
| b2(E) | 540 | #5 | 28'-6" | — |
| c(E) | 1004 | #5 | 6'-10" | ⌋ |
| c1(E) | 1004 | #5 | 6'-9" | ⌋ |
| c2(E) | 6 | #6 | 5'-1" | ⌋ |
| c3(E) | 12 | #6 | 8'-11" | ⌋ |
| e(E) | 168 | #4 | 16'-6" | — |
| e1(E) | 64 | #4 | 18'-8" | — |
| e2(E) | 112 | #4 | 17'-8" | — |
| e3(E) | 16 | #8 | 29'-3" | — |
| e4(E) | 16 | #4 | 27'-0" | — |
| e5(E) | 8 | #8 | 18'-8" | — |
| e6(E) | 16 | #8 | 26'-6" | — |
| e7(E) | 16 | #4 | 24'-0" | — |
| e8(E) | 28 | #4 | 17'-11" | — |
| m(E) | 16 | #6 | 36'-11" | — |
| m1(E) | 48 | #6 | 7'-9" | — |
| m2(E) | 24 | #6 | 2'-2" | — |
| m3(E) | 160 | #5 | 4'-0" | — |
| s(E) | 152 | #5 | 9'-4" | ⌋ |
| s1(E) | 120 | #5 | 12'-8" | ⌋ |
| v(E) | 140 | #5 | 5'-0" | ⌋ |
| Concrete Superstructure | Cu. Yd. | | 595.7 | |
| Reinforcement Bars, Epoxy Coated | Pound | | 1146,840 | |

Bars indicated thus 1x4-#4 etc. indicate 1 lines of bars with 4 lengths per line.

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| | | | |
|--------------------------------------|-----------------------|---------------|-------------------------|
| FILE NAME: 0900165_68620_14_dk12.dgn | USER NAME: msbecker | DESIGNED: MFB | REVISED: 10/23/2012 MFB |
| | | CHECKED: MRB | REVISED: |
| | PLT: SCALE: | DRAWN: PRT | REVISED: |
| | PLT: DATE: 10/22/2012 | CHECKED: MRB | REVISED: |

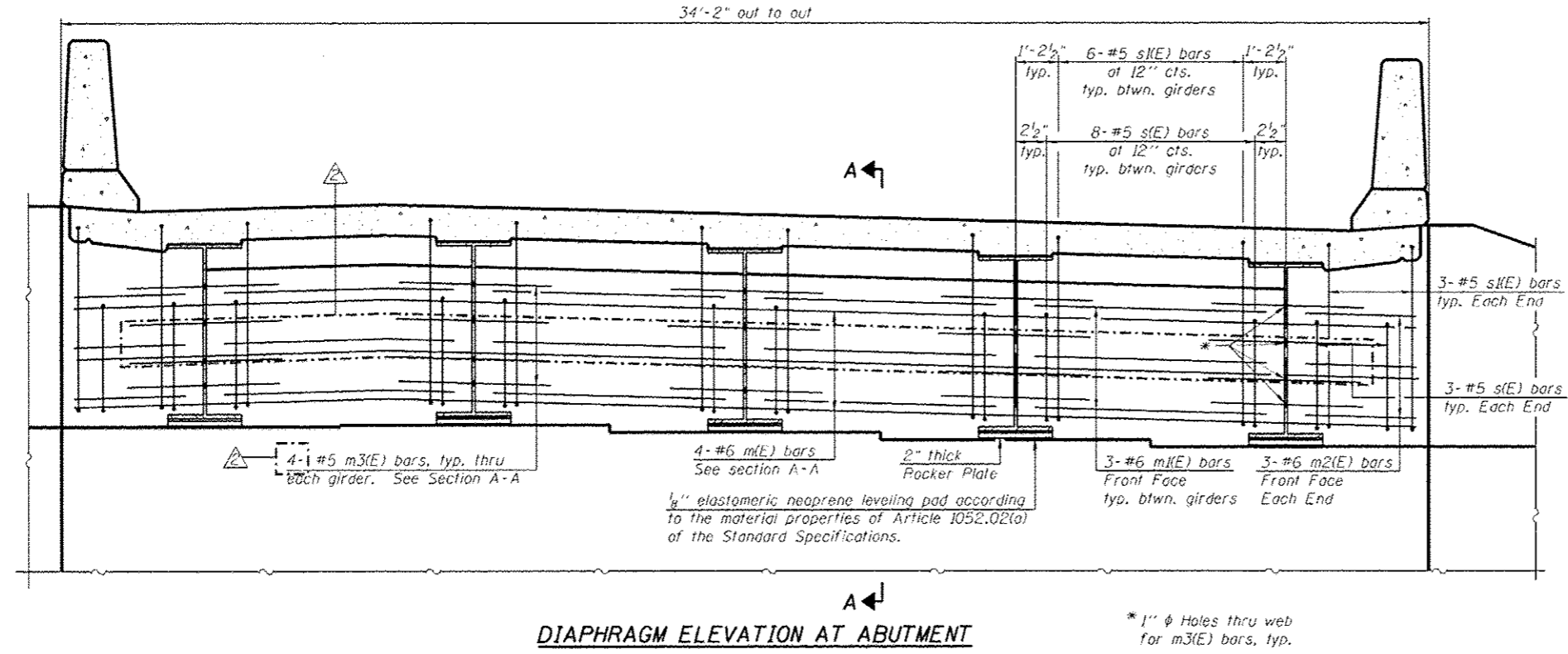
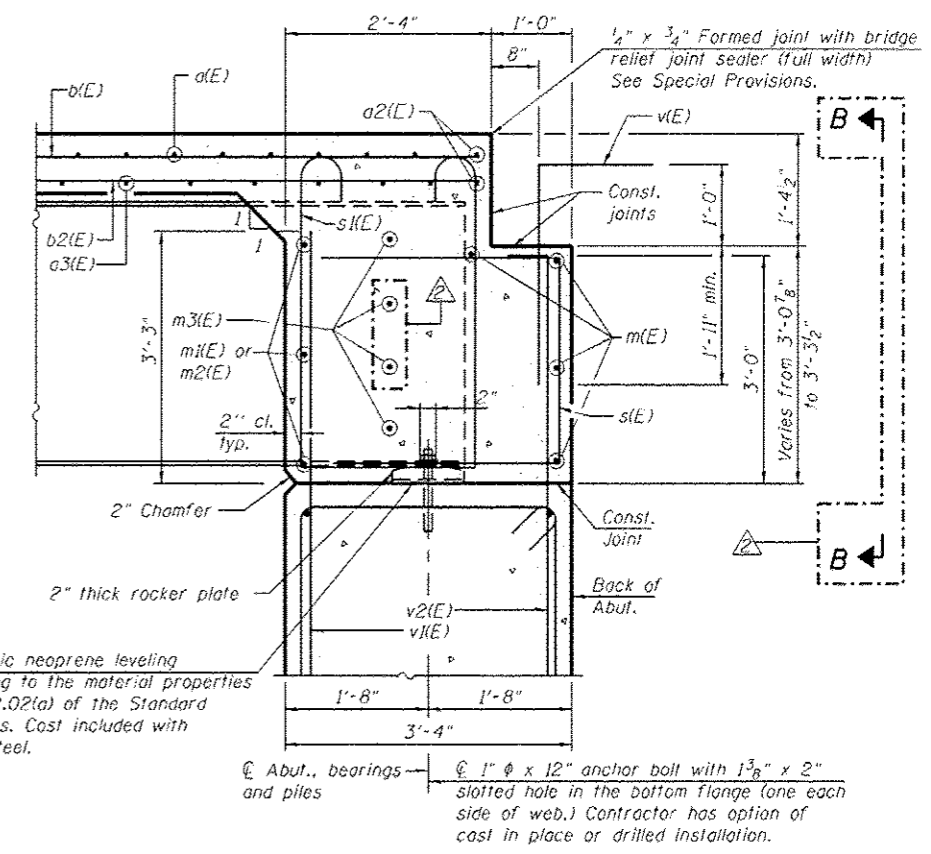
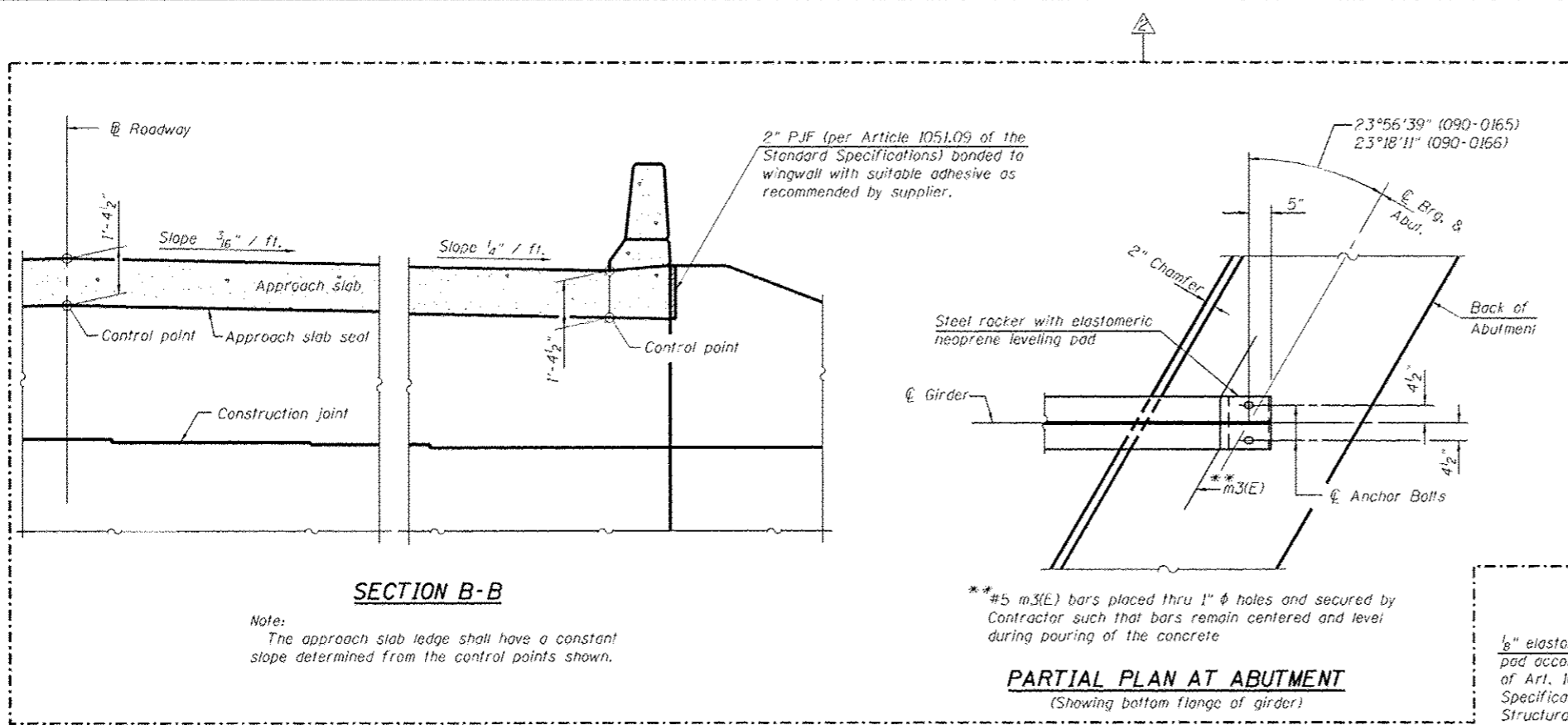
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS 2 OF 2
STRUCTURE NO. 090-0165 / 0166

SHEET NO. SA14 OF SA47 SHEETS

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|-----------------------------|----------|--------------------|-----------|
| 74 | 90-(14R)(14MB-4,14,14HVB)BR | TAZEWELL | 2435 | 1878 |
| | | | CONTRACT NO. 68620 | |
| ILLINOIS FED. AID PROJECT | | | | |

x:\120005\10056\engineer\ing_documents_phase_11\1155cover_174\inl\0900165_68620_14_dk12.dgn 3:30:01 PM 10/22/2012



MINIMUM BAR LAP
#6 bar = 3'-4"

- NOTES:**
1. Reinforcement bars in diaphragm are billed with superstructure on sheet SA14.
 2. Concrete in diaphragm is included with Concrete Superstructure on sheet SA14.
 3. For details of bars s(E) & s(E) see sheet SA14.
 4. The s(E) and s(E) bars shall be placed parallel to the girders. Spacing for these bars shall be at right angles to the girders.

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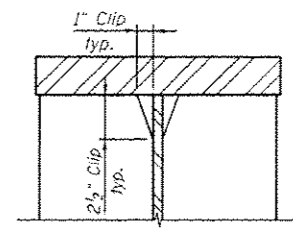
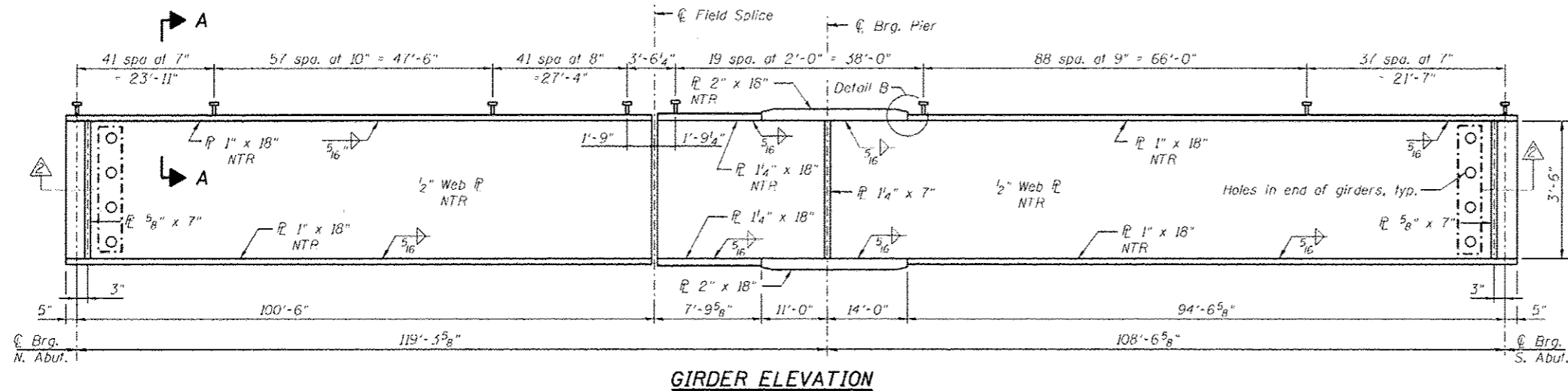
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| FILE NAME 0900165.68620.15.dkd3.dgn | USER NAME nbecker | DESIGNED - DTS | REVISED - 10/23/2012 MFB |
| | | CHECKED - MRB | REVISED - |
| | | DRAWN - PRT | REVISED - |
| | | CHECKED - MRB | REVISED - |
| | | | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

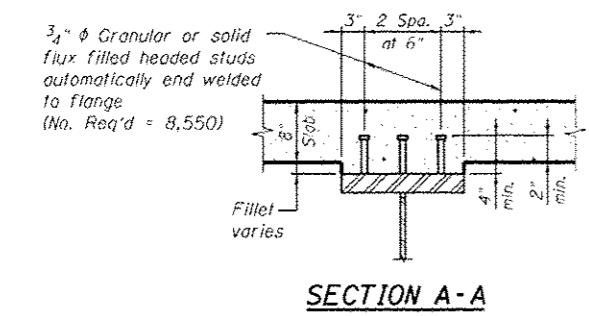
DIAPHRAGM DETAILS
STRUCTURE NO. 090-0165 / 0166
SHEET NO. SA15 OF SA47 SHEETS

| F.A.I. R.T.E. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------------------|----------|--------------|-----------|
| 74 | 90-[14R]14HB-4,14,14HB[B]R | TAZEWELL | 2433 | 1879 |
| CONTRACT NO. 68620 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

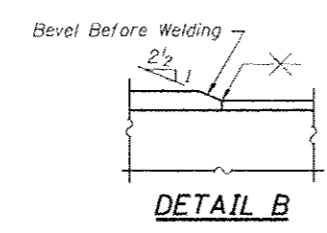
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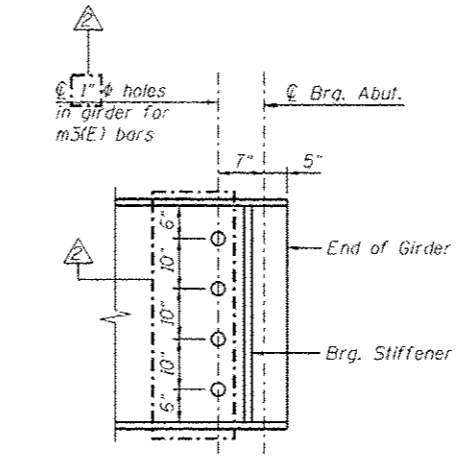
DETAIL C
(Typical top & bottom flanges)



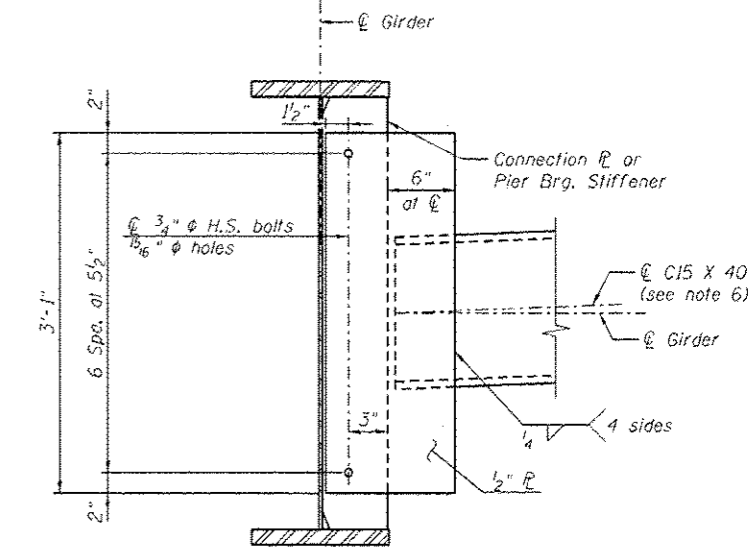
SECTION A-A



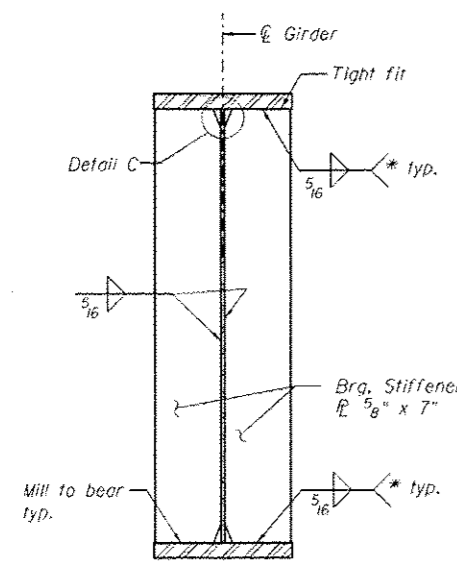
DETAIL B



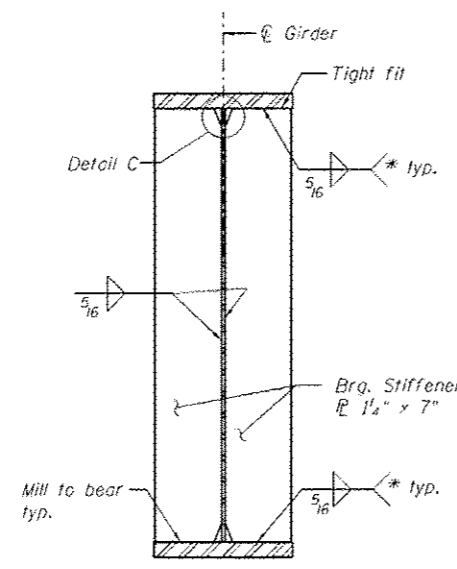
END OF GIRDER ELEVATION



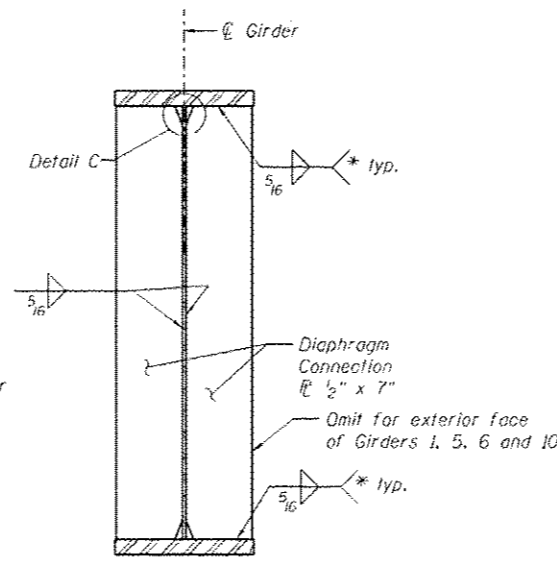
INTERIOR DIAPHRAGM
(No. diaphragms required = 88)



BEARING STIFFENER AT ABUT.
(No. plates required = 40)

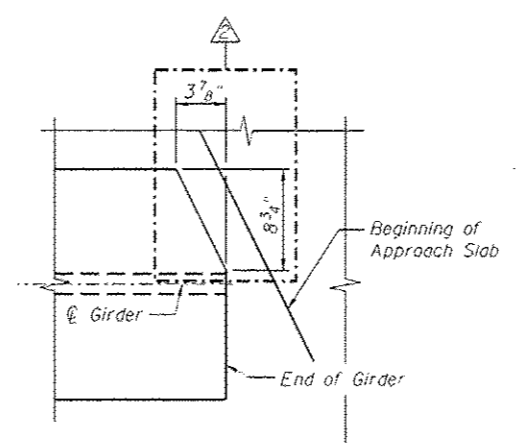


BEARING STIFFENER AT PIER
(No. plates required = 20)



CONNECTION PLATE
(No. plates required = 168)

* Terminate weld 1/2" from outside edges of R's



END OF GIRDER COPING DETAIL
(Top Flange Only)

NOTES:

- All Girder webs and flanges shall be AASHTO M270 Grade 50 steel.
- All diaphragms shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted. Individual diaphragms at supports may be temporarily disconnected to install bearing anchor rods.
- "NTR" denotes plates to which notch toughness requirements are applicable.
- Load carrying components designated "NTR" shall conform to the Impact Testing Requirements, Zone 2.
- Two hardened washers required for each set of oversized holes.
- Alternate channels C15x50 are permitted to facilitate material acquisition. Calculated weight of structural steel is based on C15x40 sections. The alternate, if utilized, shall be provided at no extra cost to the department.

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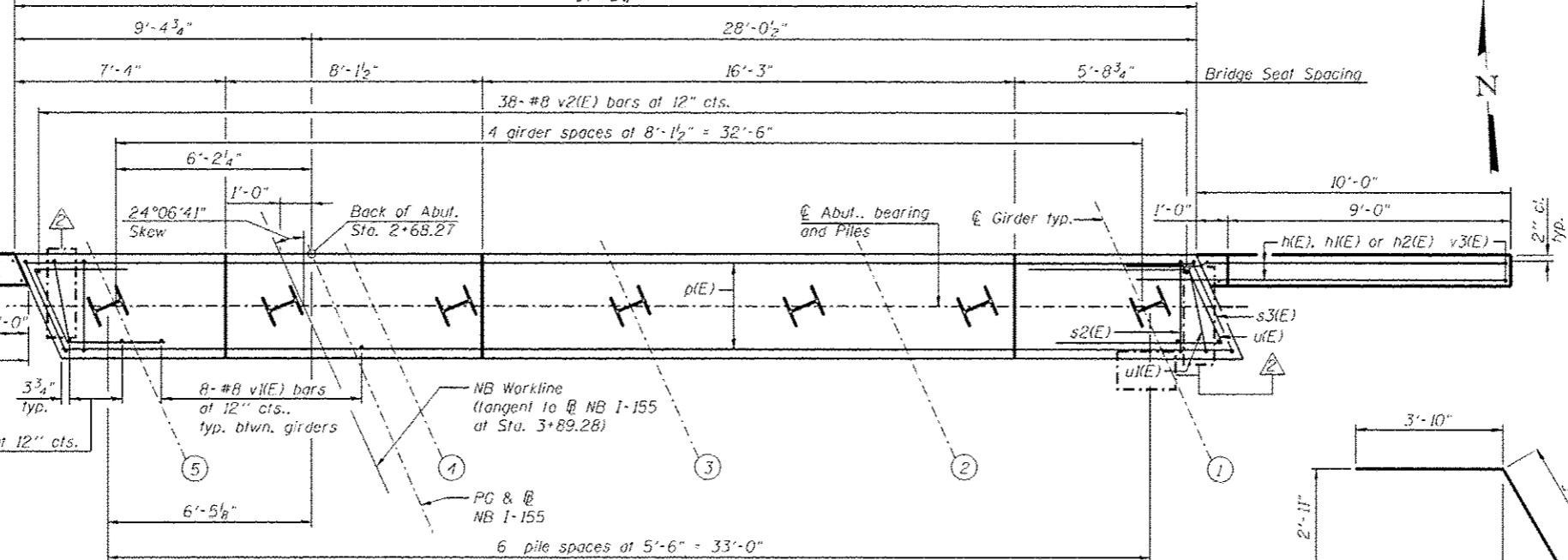
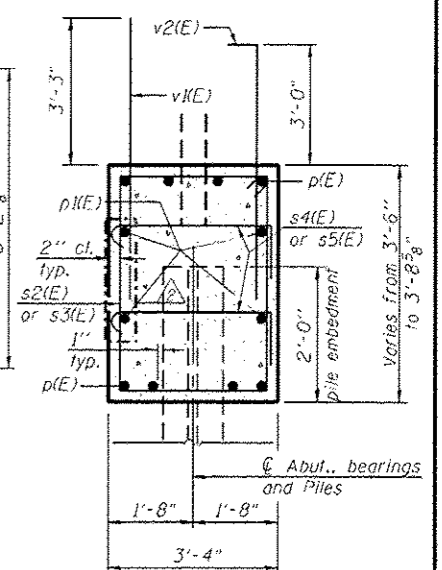
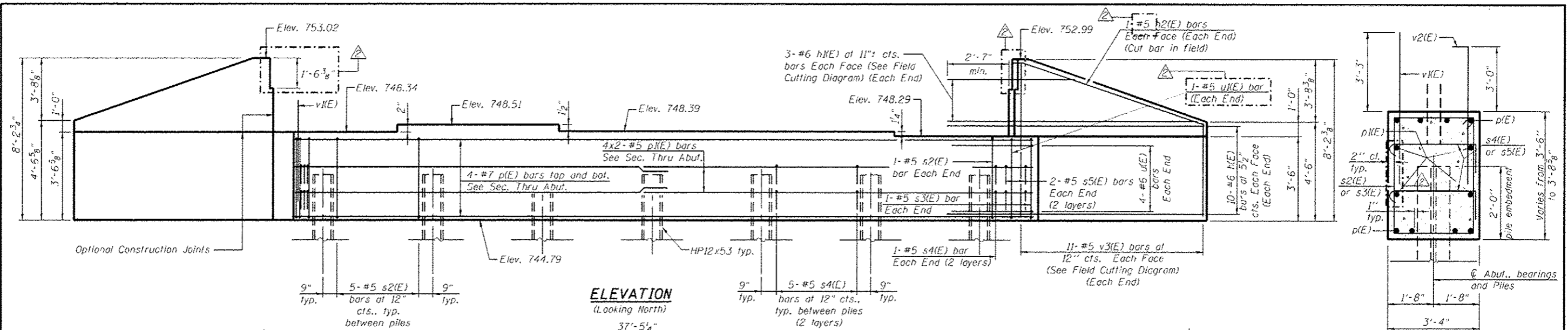
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| FILE NAME - | USER NAME - mbecker | DESIGNED - JLS/DTS | REVISED - 2/ 10/23/2012 MFB |
| 0908165_68620_21_sdat1.dgn | PLT SOURCE - | CHECKED - MRB | REVISED - |
| | PLT DATE - 10/22/2012 | DRAWN - PRT | REVISED - |
| | | CHECKED - MRB | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GIRDER DETAILS 1 OF 3
STRUCTURE NO. 090-0165 / 0166
SHEET NO. SA21 OF SA47 SHEETS

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------------------|----------|--------------------|-----------|
| 74 | 90-(14R)14HB-4,14,14HVB1BR | TAZEWELL | 2433 | 1885 |
| ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 68620 | |

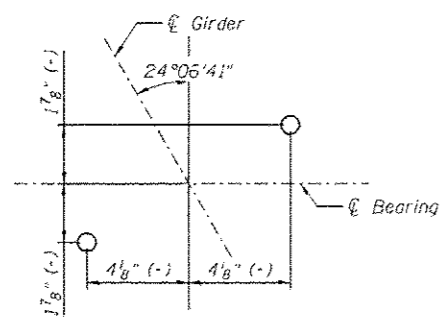
x:\10000\10056\engineering-documents-phase.1\155cover.174\final\0900165-68620-21_sdat1.dgn 3:30:03 PM 10/22/2012



SEC. THRU ABUT.

BILL OF MATERIAL

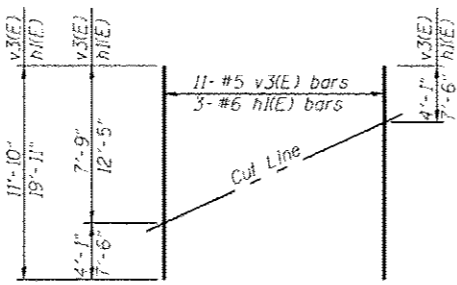
| Bar No. | Size | Length | Shape |
|----------------------------------|---------|---------|-------|
| n1(E) | #6 | 12'-5" | |
| n1(E) | #6 | 19'-11" | |
| n2(E) | #5 | 10'-2" | |
| p1(E) | #7 | 36'-11" | |
| p1(E) | #5 | 20'-1" | |
| s2(E) | #5 | 13'-3" | |
| s3(E) | #5 | 13'-11" | |
| s4(E) | #5 | 4'-4" | |
| s5(E) | #5 | 4'-8" | |
| u1(E) | #6 | 10'-10" | |
| u1(E) | #5 | 9'-2" | |
| v1(E) | #8 | 6'-6" | |
| v2(E) | #8 | 7'-7" | |
| v3(E) | #5 | 11'-10" | |
| Concrete Structures | Cu. Yd. | 21.4 | |
| Reinforcement Bars, Epoxy Coated | Pound | 4,390 | |
| Furnishing Steel Piles HP12X53 | Foot | 623 | |
| Driving Piles | Foot | 623 | |



ANCHOR BOLT DETAIL

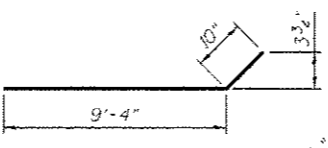
PILE DATA
 Type: HP12x53
 Nominal Required Bearing: 350 kips
 Factored Resistance Available: 192 kips
 Est. Length: 89 ft.
 No. Production Piles: 7
 No. Test Piles: 0

MIN BAR LAP
 #5 bar = 3'-3"

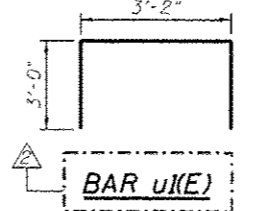


FIELD CUTTING DIAGRAM

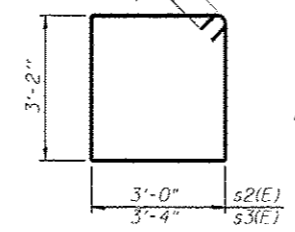
Order v3(E) & h1(E) full length. Cut as shown and use remainder of bars in opposite face.



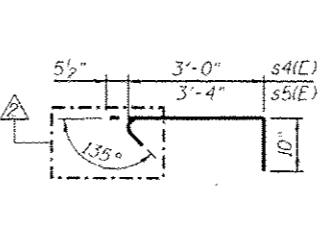
BAR h2(E)



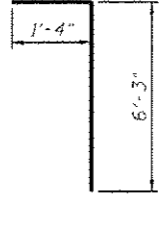
BAR u1(E)



BARS s2(E) & s3(E)



BARS s4(E) & s5(E)



BAR v2(E)

NOTES:

- For details of piles, see sheet SA30.
- Pour steps monolithically with cap.
- Flare u1(E) bars between the s2(E) bar and the s3(E) bar.
- h1(E) or h2(E) bars shall not be embedded in the approach slab.
- Adjust bar spacing to avoid anchor bolt locations.

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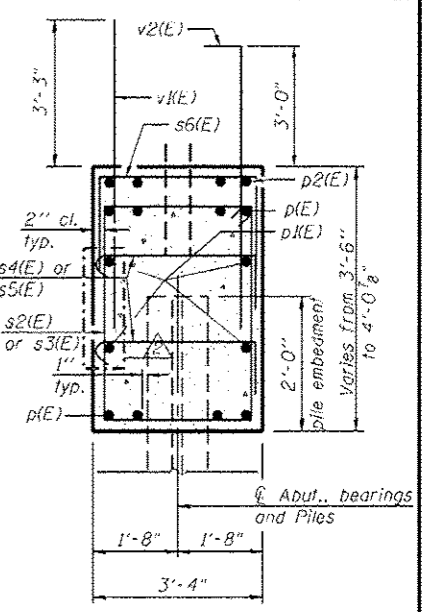
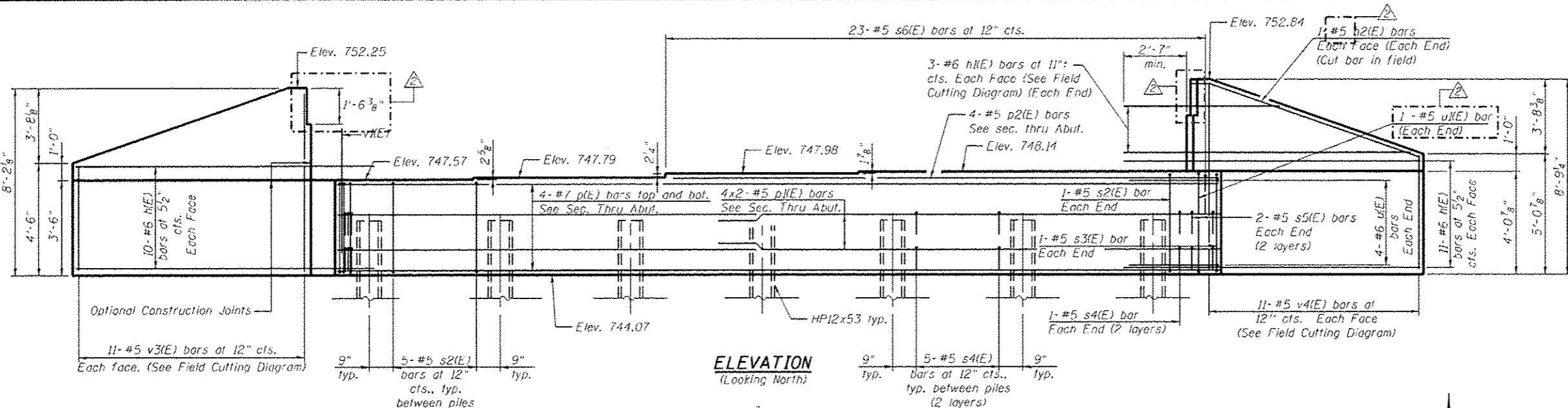
| | | | |
|---------------------------------------|-------------------|---------------|---------------------------|
| FILE NAME: 0900165_68620_24_abut1.dgn | USER NAME: nbecke | DESIGNED: DTS | REVISED: 2/10/23/2012 MFB |
| | | CHECKED: SLD | REVISED: |
| | | DRAWN: PRT | REVISED: |
| | | CHECKED: SLD | REVISED: |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

NB NORTH ABUTMENT DETAILS
 STRUCTURE NO. 090-0165 / 0166
 SHEET NO. SA24 OF SA47 SHEETS

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|---------------------------|----------|--------------|--------------------|
| 74 | 90-114R(14HB-4.14,14HB)BR | TAZEWELL | 2433 | 1888 |
| | | | | CONTRACT NO. 68620 |

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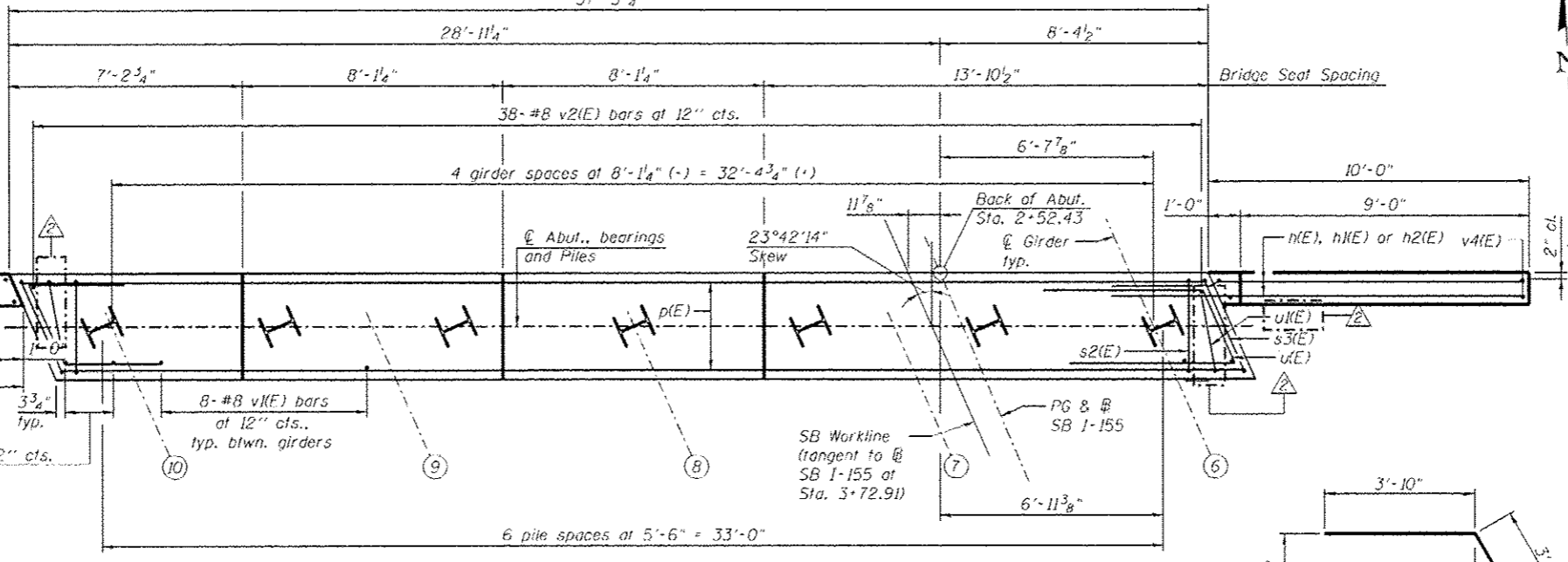


SEC. THRU ABUT.
BILL OF MATERIAL

| Bar | No. | Size | Length | Shape |
|------------------------|---------|------|---------|-------|
| h(E) | 42 | #6 | 12'-5" | |
| h1(E) | 6 | #6 | 19'-11" | |
| h2(E) | 4 | #5 | 10'-2" | |
| p(E) | 8 | #7 | 36'-11" | |
| p1(E) | 8 | #5 | 20'-1" | |
| p2(E) | 4 | #5 | 21'-8" | |
| s2(E) | 32 | #5 | 13'-3" | |
| s3(E) | 2 | #5 | 13'-11" | |
| s4(E) | 64 | #5 | 4'-4" | |
| s5(E) | 8 | #5 | 4'-8" | |
| s6(E) | 23 | #5 | 6'-10" | |
| u(E) | 8 | #6 | 10'-10" | |
| u1(E) | 2 | #5 | 9'-2" | |
| v1(E) | 38 | #8 | 6'-6" | |
| v2(E) | 38 | #8 | 7'-7" | |
| v3(E) | 11 | #5 | 11'-10" | |
| v4(E) | 11 | #5 | 13'-0" | |
| Concrete Structures | Cu. Yd. | | 22.7 | |
| Reinforcement Bars | Pound | | 4,700 | |
| Epoxy Coated | | | | |
| Furnishing Steel Piles | Foot | | 534 | |
| Driving Piles | Foot | | 534 | |
| Test Pile Steel | Each | | 1 | |
| HP12x53 | | | | |

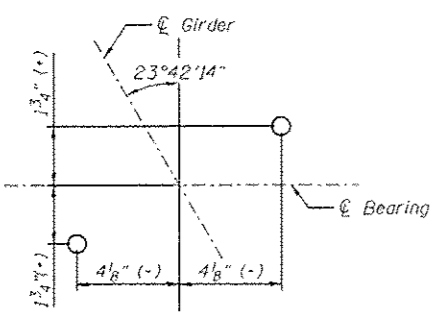
Bars indicated thus 4x2-#5 etc. indicates 4 lines of bars with 2 lengths per line.

- NOTES:**
- For details of piles, see sheet SA30.
 - Pour steps monolithically with cap.
 - Flare v1(E) bars between the s2(E) bar and the s3(E) bar.
 - h1(E) or h2(E) bars shall not be embedded in the approach slab.
 - Adjust bar spacing to avoid anchor bolt locations.



PLAN

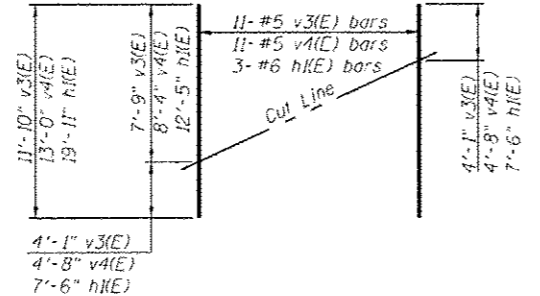
MIN. BAR LAP
#5 bar = 3'-3"



ANCHOR BOLT DETAIL

PILE DATA

Type: HP12x53
Nominal Required Bearing: 350 kips
Factored Resistance Available: 192 kips
Est. Length: 89 ft.
No. Production Piles: 6
No. Test Piles: 1



FIELD CUTTING DIAGRAM

Order v3(E), v4(E) and h1(E) full length. Cut as shown and use remainder of bars in opposite face.

- BARS s2(E) & s3(E)** **BARS s4(E) & s5(E)** **BARS s6(E) & u(E)** **BAR v2(E)**



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Chicago, Illinois 60601
312-565-0450 Job No. 10056

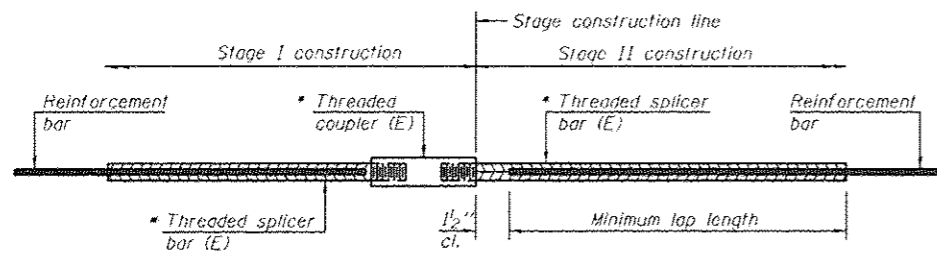
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| | | DRAWN - PRT | REVISED - |
| | | CHECKED - SLD | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SB NORTH ABUTMENT DETAILS
STRUCTURE NO. 090-0165 / 0166
SHEET NO. SA25 OF SA47 SHEETS

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------------------|----------|--------------------|-----------|
| 74 | 90-114R(14)B-4,14,14HVB(R) | TAZEWELL | 2433 | 1989 |
| | | | CONTRACT NO. 68620 | |
| ILLINOIS FED. AID PROJECT | | | | |

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STANDARD BAR SPLICER ASSEMBLY

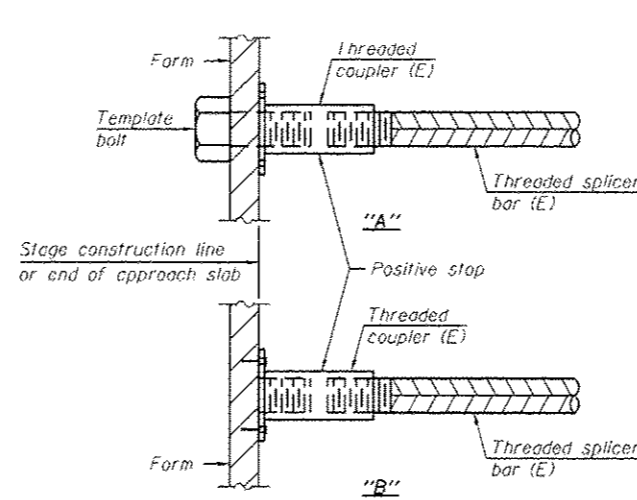
| Bar size to be spliced | Minimum Lap Lengths | | | | | |
|------------------------|---------------------|---------|---------|---------|---------|---------|
| | Table 1 | Table 2 | Table 3 | Table 4 | Table 5 | Table 6 |
| 3, 4 | 1'-5" | 1'-11" | 2'-1" | 2'-4" | 2'-7" | 2'-11" |
| 5 | 1'-9" | 2'-5" | 2'-7" | 2'-11" | 3'-3" | 3'-8" |
| 6 | 2'-1" | 2'-11" | 3'-1" | 3'-6" | 3'-10" | 4'-5" |
| 7 | 2'-9" | 3'-10" | 4'-2" | 4'-8" | 5'-2" | 5'-10" |
| 8 | 3'-8" | 5'-1" | 5'-5" | 6'-2" | 6'-9" | 7'-8" |
| 9 | 4'-7" | 6'-5" | 6'-10" | 7'-9" | 8'-7" | 9'-8" |

- Table 1: Black bar, 0.8 Class C
- Table 2: Black bar, Top bar lap, 0.8 Class C
- Table 3: Epoxy bar, 0.8 Class C
- Table 4: Epoxy bar, Top bar lap, 0.8 Class C
- Table 5: Epoxy bar, Class C
- Table 6: Epoxy bar, Top bar lap, Class C

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

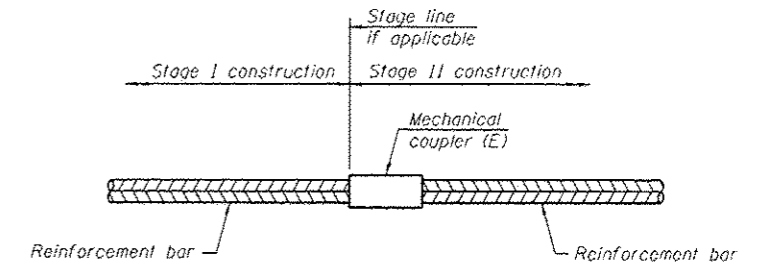
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

| Location | Bar size | No. assemblies required | Table for minimum lap length |
|----------|----------|-------------------------|------------------------------|
| | | | |
| | | | |
| | | | |



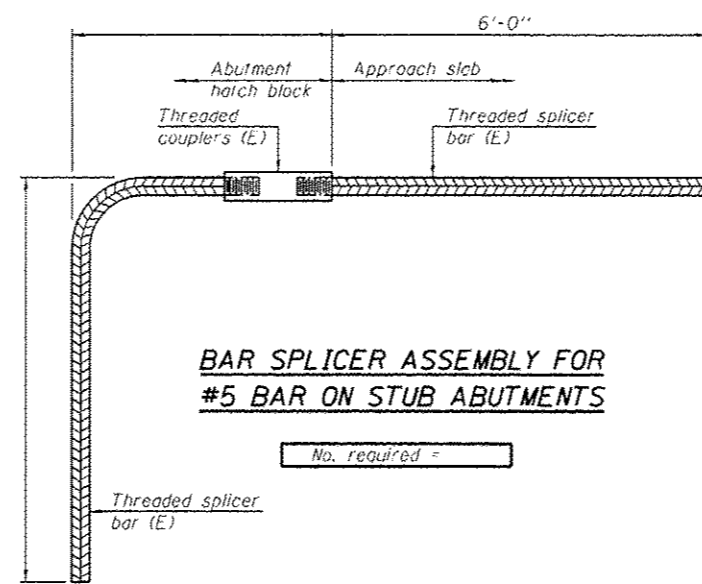
INSTALLATION AND SETTING METHODS

"A": Set bar splicer assembly by means of a template bolt.
 "B": Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
 (E): Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

| Location | Bar size | No. assemblies required |
|----------|----------|-------------------------|
| SB Pier | #11 | 38 |
| NB Pier | #11 | 38 |
| SB Pier | #5 | 68 |
| NB Pier | #5 | 68 |



BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

No. required =

NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
 All reinforcement shall be lapped and tied to the splicer bars.
 Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
 See approved list of bar splicer assemblies and mechanical splicers for alternatives.

BSD-1

8-31-12



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 205 North Michigan Avenue, Suite 2400
 Chicago, Illinois 60601
 312-565-0450 Job No. 10056

Entire sheet revised

| FILE NAME | USER NAME | DESIGNED | REVISION |
|-------------------------------|-----------|----------|----------------|
| 0900165_68628_31_bar_splc.dgn | mbecker | MFB | 10/23/2012 MFB |
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| | | PRT/LLR | |
| | | MRB | |

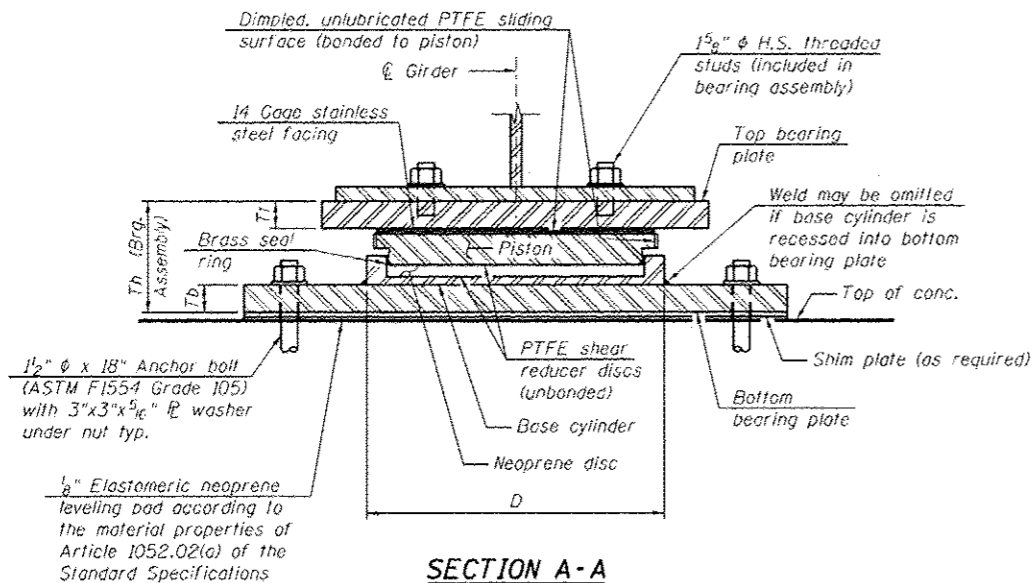
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
 STRUCTURE NO. 090-0165 / 0166

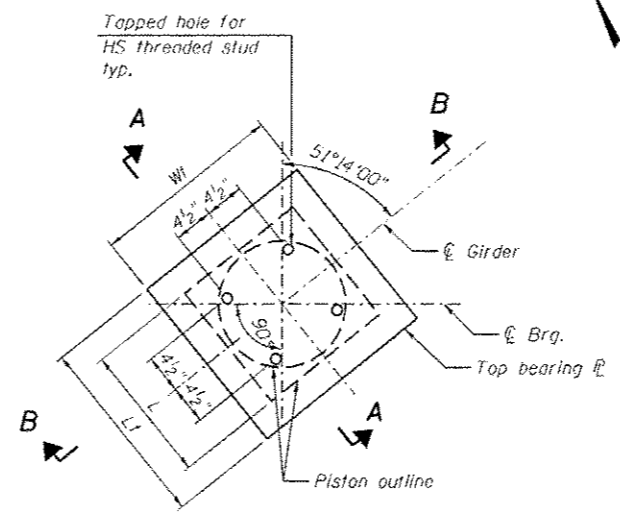
SHEET NO. SA31 OF SA47 SHEETS

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|----------------------------|----------|---------------------------|-----------|
| 74 | 90-114R(14HB-4,14,14HB10R) | TAZEWELL | 2433 | 1895 |
| CONTRACT NO. 68620 | | | ILLINOIS FED. AID PROJECT | |

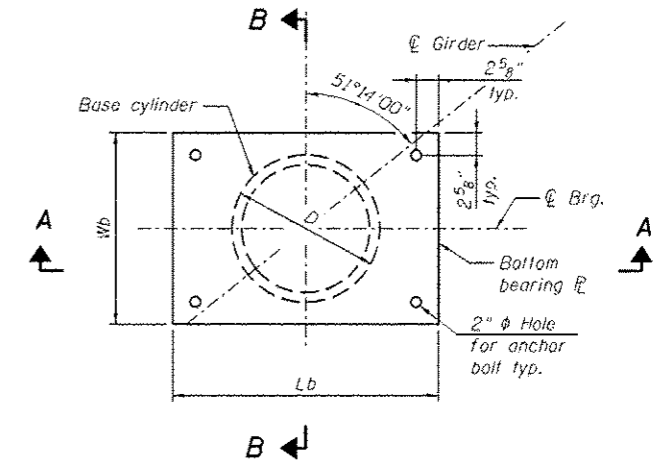
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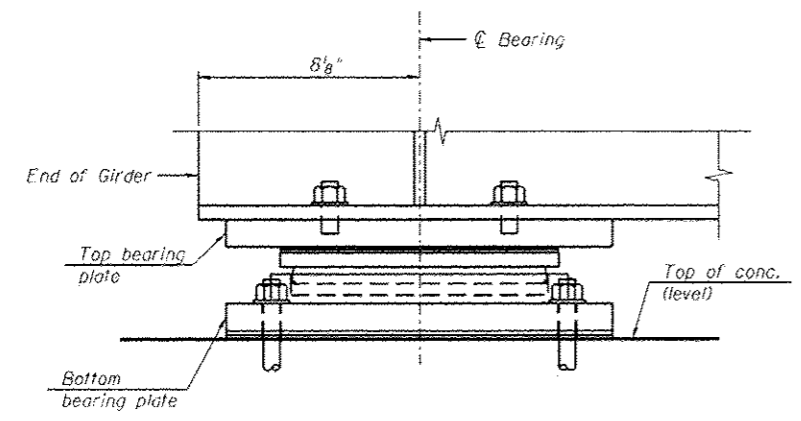
SECTION A-A



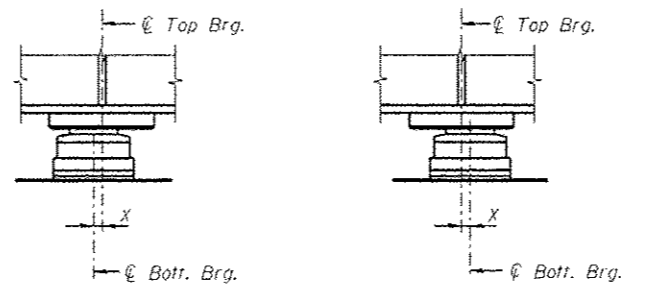
TOP BEARING PLATE AND PISTON PLAN



BOTTOM BEARING PLATE AND BASE CYLINDER PLAN



SECTION B-B



SETTING ANCHOR BOLTS AT EXP. BRG.
 X = 1/8" per each 100' of expansion for every 15° temp. change from the normal temp. of 50°F.

BILL OF MATERIAL

| Item | Unit | Total |
|---|------|-------|
| High Load Multi-Rotational Bearings, Non-Guided Expansion, 250K | Ea. | 12 |
| Anchor Bolts, 1 1/2" | Ea. | 48 |

NOTES:

- All steel for bearings shall conform to the requirements of AASHTO M270 Grade 50, unless otherwise noted.
- Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grades and diameter(s) specified. The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554. Anchor bolts may be either cast in place or installed in holes drilled after the supported member is in place. Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.
- PTFE and stainless steel materials shall conform to AASHTO requirements and the Special Provision for High Load Multi-Rotational Bearings.
- All (embedded and separate) bearing components shall be galvanized according to AASHTO M111 or M232 as applicable.
- Bearings shall be assembled at the plant and delivered to the site as a complete unit. All bearings shall be marked prior to shipping. The marks shall include the bearing location on the bridge, an arrow indicating orientation, and the normal position of the bearing. All marks shall be permanent and be visible after the bearing is installed. All components of the bearing, including anchor bolts and sockets, shall be provided by a single manufacturer.
- Disc bearings will be permitted as a substitute at no additional cost. Inverted pot bearings are not allowed.
- Total bearing height (Th) is estimated based on manufacturer data. Actual bearing height may differ from contract plans. The Contractor shall be responsible for verifying bearing heights and adjusting seat elevations, if required, prior to placing pier concrete.
- Bearing assemblies shall be designed and assembled to allow for replacement by jacking the superstructure.
- Two 1/8 in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.

BEARING DIMENSIONS

| Location | Pay Item Designation (kips) | ** Vert. Design Load (kips) | ** Horizontal Design Load (kips) | *** Required Rotation Range (radians) | **** Total Required Movement | Top Plate | | | Bearing Assembly | | Bottom Plate | | | Total Ht. |
|--------------------------------------|-----------------------------|-----------------------------|----------------------------------|---------------------------------------|------------------------------|-----------|-------|--------|------------------|---------|--------------|--------|--------|-----------|
| | | | | | | Wt | Lt | Tt | L | D | * Wb | * Lb | Tb | |
| E. Abut. Girders 1, 2, 3, 12, 13, 14 | 250 | 222 | | 0.02 | 1/2" | 1'-2 1/4" | 1'-8" | 1 3/4" | 10 1/4" | 11 3/4" | 1'-4" | 1'-11" | 1 3/8" | 5 7/8" |
| W. Abut. Girders 12, 13, 14 | 250 | 222 | | 0.02 | 3/4" | 1'-2 1/4" | 1'-8" | 1 3/4" | 10 1/4" | 11 3/4" | 1'-4" | 1'-11" | 1 3/8" | 5 7/8" |
| W. Abut. Girder 3 | 250 | 222 | | 0.02 | 1" | 1'-2 1/4" | 1'-8" | 1 3/4" | 10 1/4" | 11 3/4" | 1'-4" | 1'-11" | 1 3/8" | 5 7/8" |
| W. Abut. Girders 1, 2 | 250 | 222 | | 0.02 | 1 1/2" | 1'-2 1/4" | 1'-8" | 1 3/4" | 10 1/4" | 11 3/4" | 1'-4" | 1'-11" | 1 3/8" | 5 7/8" |

* To be verified by the contractor for proper access of the drilling tool.
 ** Design Loads are the governing service loads.
 *** Rotation allowances for fabrication tolerances (0.005 radians) and installation uncertainties (0.005 radians) excluded.
 **** Total required movement is based on one way expansion (or contraction) of the superstructure perpendicular to the centerline of girder when bearings are set at 50°F. Bearing movement tolerances are excluded.



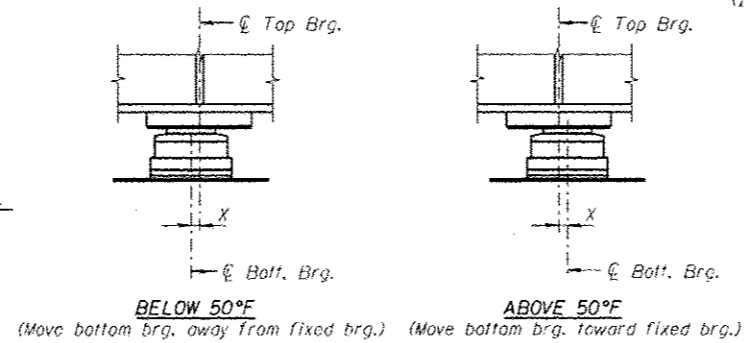
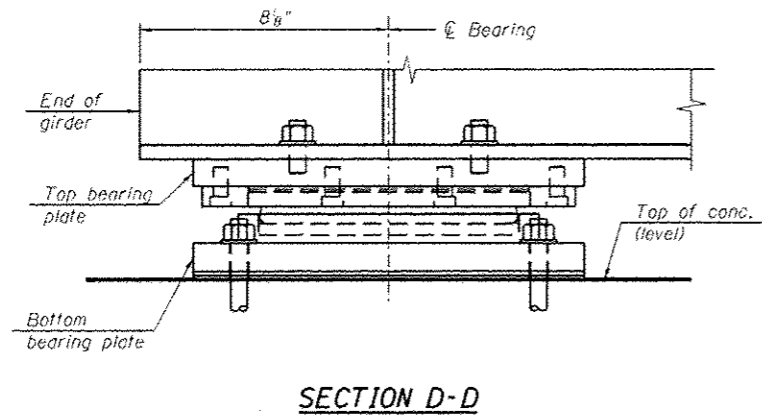
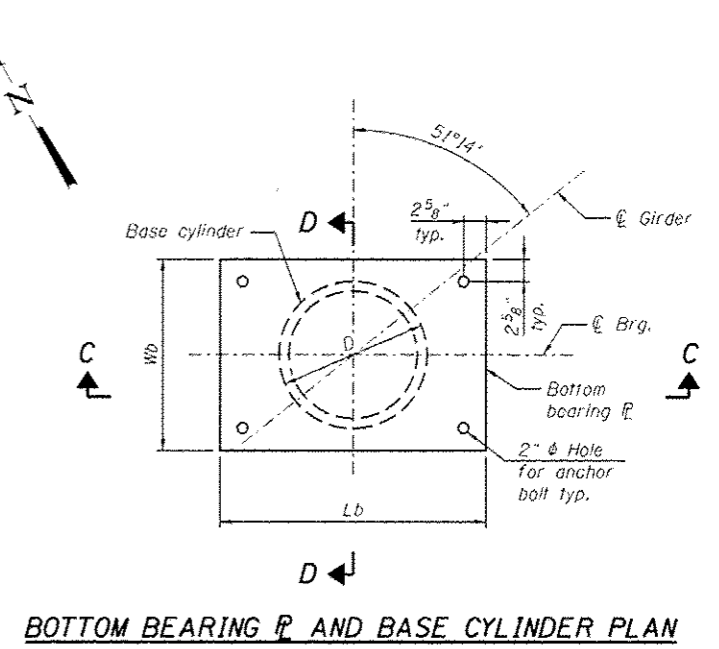
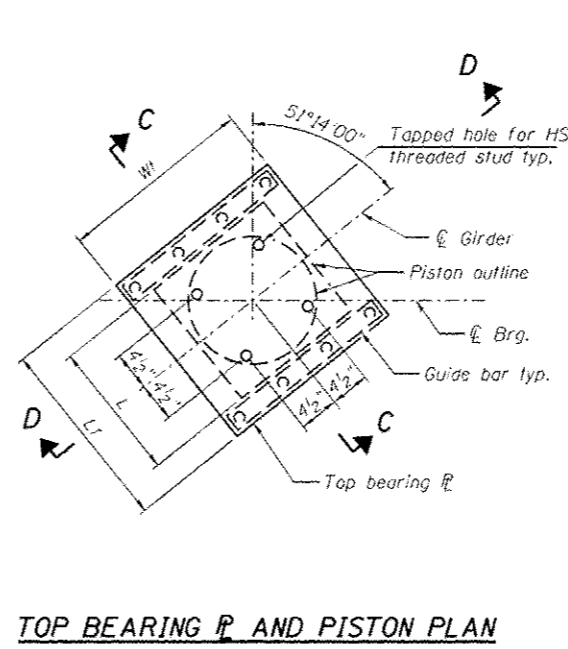
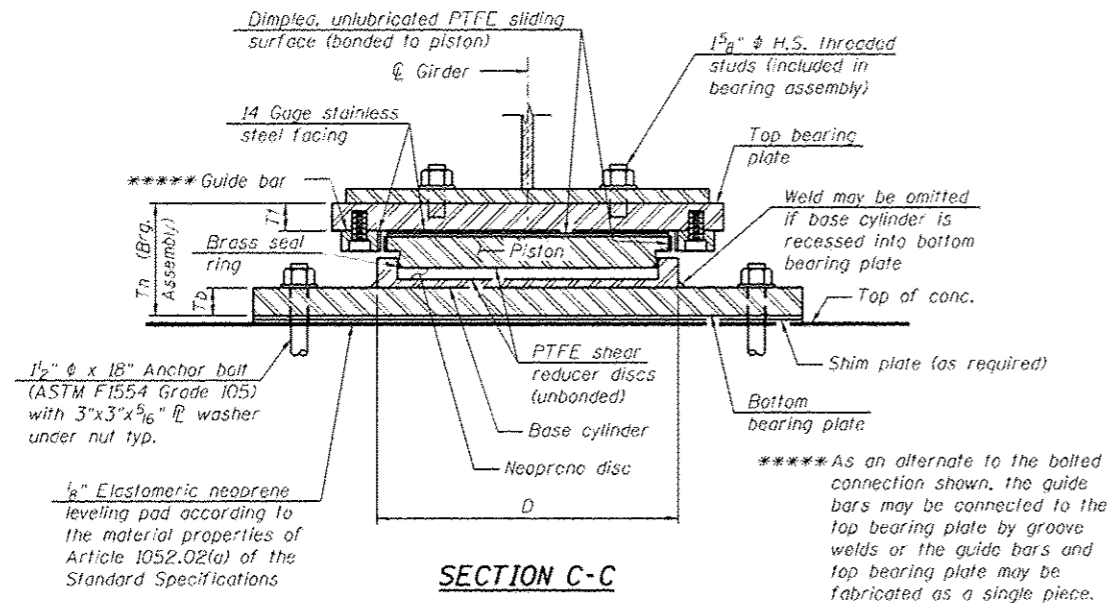
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| | | DRAWN: RMG | REVISED: |
| | | CHECKED: MFB | REVISED: |
| | | | |

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

HLMR NON-GUIDED EXPANSION BEARING DETAILS
 STRUCTURE NO. 090-0167
 SHEET NO. SB29 OF SB65 SHEETS

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|----------------------------|----------|---------------------------|-----------|
| 74 | 90-[14R]14HB-4,14,14HV81BR | TAZEWELL | 2433 | 1940 |
| CONTRACT NO. 68620 | | | ILLINOIS FED. AID PROJECT | |

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BEARING DIMENSIONS

| Location | Pay Item Designation (kips) | ** Vert. Design Load (kips) | ** Horizontal Design Load (kips) | *** Required Rotation Range (radians) | **** Total Required Movement | Top Plate | | | Bearing Assembly | | Bottom Plate | | | Total Ht. |
|----------------------------------|-----------------------------|-----------------------------|----------------------------------|---------------------------------------|------------------------------|-----------|-------|--------|------------------|---------|--------------|--------|--------|-----------|
| | | | | | | Wt | Lt | Tt | L | D | *Wb | *Lb | Tb | |
| W. Abut. Girders 7, 8, 9, 10, 11 | 250 | 222 | 76 | 0.02 | 3/4" | 1'-2 1/4" | 1'-8" | 1 3/4" | 10 1/4" | 11 3/4" | 1'-4" | 1'-11" | 1 3/8" | 6 1/2" |
| W. Abut. Girders 4, 5, 6 | 250 | 222 | 76 | 0.02 | 1" | 1'-2 1/4" | 1'-8" | 1 3/4" | 10 1/4" | 11 3/4" | 1'-4" | 1'-11" | 1 3/8" | 6 1/2" |

* To be verified by the contractor for proper access of the drilling tool.
 ** Design Loads are the governing service loads.
 *** Rotation allowances for fabrication tolerances (0.005 radians) and installation uncertainties (0.005 radians) excluded.
 **** Total required movement is based on one way expansion (or contraction) of the superstructure perpendicular to the centerline of girder when bearings are set at 50°F. Bearing movement tolerances are excluded.

FILL PLATE SCHEDULE
 (In addition to adjustment shims, see General Notes)
 Cost included with Structural Steel

| Abutment | Girder | Plate Thickness |
|----------|--------|-----------------|
| West | 4 | 3/4" |
| West | 7 | 1/2" |

BILL OF MATERIAL

| Item | Unit | Total |
|---|------|-------|
| High Load Multi-Rotational Bearings, Guided Expansion, 250K | Ea. | 8 |
| Anchor Bolts, 1 1/2" | Ea. | 32 |

NOTES:

- All steel for bearings shall conform to the requirements of AASHTO M210 Grade 50, unless otherwise noted.
- Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554. Anchor bolts may be either cast in place or installed in holes drilled after the supported member is in place. Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.
- PTFE and stainless steel materials shall conform to AASHTO requirements and the Special Provision for High Load Multi-Rotational Bearings.
- All (embedded and separate) bearing components shall be galvanized according to AASHTO M111 or M232 as applicable.
- Bearings shall be assembled at the plant and delivered to the site as a complete unit. All bearings shall be marked prior to shipping. The marks shall include the bearing location on the bridge, an arrow indicating orientation, and the normal position of the bearing. All marks shall be permanent and be visible after the bearing is installed. All components of the bearing, including anchor bolts and sockets, shall be provided by a single manufacturer.
- Disc bearings will be permitted as a substitute at no additional cost. Inverted pot bearings are not allowed.
- Total bearing height (Th) is estimated based on manufacturer data. Actual bearing height may differ from contract plans. The Contractor shall be responsible for verifying bearing heights and adjusting seat elevations, if required, prior to placing pier concrete.
- Bearing assemblies shall be designed and assembled to allow for replacement by jacking the superstructure.
- Two 1/8 in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.

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 312-565-0450 Job No. 10056

| | | | |
|---------------------------------------|----------------------|---------------|-------------------------|
| FILE NAME: B900167_68620_30_b-g+2.dgn | USER NAME: mbecker | DESIGNED: AWH | REVISED: 10/23/2012 MFB |
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| | PLT SCALE: 1 | DRAWN: RMC | REVISED: |
| | PLT DATE: 10/22/2012 | CHECKED: MFB | REVISED: |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLMR GUIDED EXPANSION BEARING DETAILS
STRUCTURE NO. 090-0167
 SHEET NO. 5830 OF 5865 SHEETS

| | | | | |
|--------------------|---------------------------|----------|---------------------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 74 | 90-114R(14HB-4,14,14HB)BR | TAZEWELL | 2433 | 1941 |
| CONTRACT NO. 68620 | | | ILLINOIS FED. AID PROJECT | |

GENERAL NOTES:

- Fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts. Bolts 3/4 in. dia., open holes 1/16 in. dia., unless otherwise noted.
- Calculated weight of Structural Steel:
M 270 Grade 36 = 107,820 pounds
M 270 Grade 50 = 1,469,310 pounds
- No field welding is permitted except as specified in the contract documents.
- Reinforcement bars designated (E) shall be epoxy coated.
- If the Contractor elects to use cantilever forming brackets on the exterior girders, the brackets shall be placed at the same locations as required for the hardwood blocks in Article 503.06(b) of the Standard Specifications. If additional cantilever forming brackets are required, hardwood blocking shall be wedged between the exterior and first interior girder at each of these additional bracket locations.
- Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 in. (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
- The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on the project.
- The Inorganic Zinc Rich Primer / Acrylic / Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the final finish coat for all interior steel surfaces shall be gray, Munsell No. 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Blue, Munsell No. 10B 3/6.
- The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.
- Slipforming of parapets is not allowed.
- Remove existing abutments and wingwalls to 5' below proposed ground. Remove existing piers to 2' below proposed ground. No temporary retention system is included in the plans for removal below grade of the existing creosoted timber piles under the approach slabs. These piles may be extracted or cut off by use of localized excavations. The piles adjacent to the stage construction line will require extraction. Cost included with the cost of Removal of Existing Structures No. 4 and No. 5. If pile deterioration is such that extraction becomes infeasible by determination of the Engineer, then localized earth retention with excavation and pile cutoff will be paid for according to Article 109.04 of the Standard Specifications.
- Areas of the existing bridge have permanent protective shield in place. If any part of the existing permanent protective shield system is to be re-used as temporary protective shield, the Contractor shall submit design calculations to the Engineer proving the system meets the requirements of Article 501.03 of the Standard Specifications. The calculations shall be prepared and sealed by an Illinois Licensed Structural Engineer.

13. Approach Slabs shall be poured at lower temperatures to mitigate the formation of transverse cracks in the slab. The expansion length of this structure is large, allowing significant expansion and contraction of the deck during temperature changes.

INDEX OF SHEETS

- SC1 General Plan and Elevation
- SC2 General Data 1 of 2
- SC3 General Data 2 of 2
- SC4 Footing Layout
- SC5 Stage Construction Details 1 of 2
- SC6 Stage Construction Details 2 of 2
- SC7 Temporary Sheet Piling Details
- SC8 Temporary Barrier Details
- SC9 Top of Deck Elevation Layout
- SC10 Top of Deck Elevations 1 of 6
- SC11 Top of Deck Elevations 2 of 6
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- SC24 Diaphragm Details 2 of 2
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- SC38 East Abutment Details 1 of 3
- SC39 East Abutment Details 2 of 3
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- SC41 Pier Details 1 of 2
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- SC43 HP Pile Details
- SC44 Bar Splicer Assembly Details
- SC45 Soil Boring Logs 1 of 5
- SC46 Soil Boring Logs 2 of 5
- SC47 Soil Boring Logs 3 of 5
- SC48 Soil Boring Logs 4 of 5
- SC49 Soil Boring Logs 5 of 5
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- SC60 Existing Plans
- SC61 Existing Plans
- SC62 Existing Plans
- SC63 Existing Plans

TOTAL BILL OF MATERIAL

| ITEM | UNIT | SUPER | SUB | TOTAL |
|---|---------|---------|---------|---------|
| Removal of Existing Structures No. 4 | Each | | | 1 |
| Removal of Existing Structures No. 5 | Each | | | 1 |
| Protective Shield | Sq. Yd. | 512 | | 512 |
| Structure Excavation | Cu. Yd. | | 1,421 | 1,421 |
| Concrete Structures | Cu. Yd. | | 6,718 | 6,718 |
| Concrete Superstructure | Cu. Yd. | 1,700.3 | | 1,700.3 |
| Bridge Deck Grooving | Sq. Yd. | 4,722 | | 4,722 |
| Protective Coat | Sq. Yd. | 5,552 | | 5,552 |
| Furnishing and Erecting Structural Steel | L. Sum | 0.60 | | 0.60 |
| Stud Shear Connectors | Each | 12,348 | | 12,348 |
| Reinforcement Bars, Epoxy Coated | Pound | 357,040 | 107,350 | 464,390 |
| Bar Splicers | Each | 2,698 | 320 | 3,018 |
| Mechanical Splicers | Each | 16 | 120 | 136 |
| Slope Wall 4 Inch | Sq. Yd. | | 1,319 | 1,319 |
| Furnishing Steel Piles HP12X74 | Foot | | 4,118 | 4,118 |
| Furnishing Steel Piles HP14X89 | Foot | | 4,312 | 4,312 |
| Driving Piles | Foot | | 8,430 | 8,430 |
| Test Pile Steel HP12X74 | Each | | 2 | 2 |
| Test Pile Steel HP14X89 | Each | | 1 | 1 |
| Pile Shocs | Each | | 138 | 138 |
| Name Plates | Each | 1 | | 1 |
| Anchor Bolts, 1" | Each | 56 | | 56 |
| Anchor Bolts, 1 1/2" | Each | 36 | | 36 |
| Geocomposite Wall Drain | Sq. Yd. | | 348 | 348 |
| Temporary Sheet Piling | Sq. Ft. | | 2,253 | 2,253 |
| Pipe Underdrains for Structures 4" | Foot | | 343 | 343 |
| High Load Multi-Rotational Bearings, Non-Guided Expansion, 600K | Each | 4 | | 4 |
| Granular Backfill for Structures | Cu. Yd. | | 828 | 828 |



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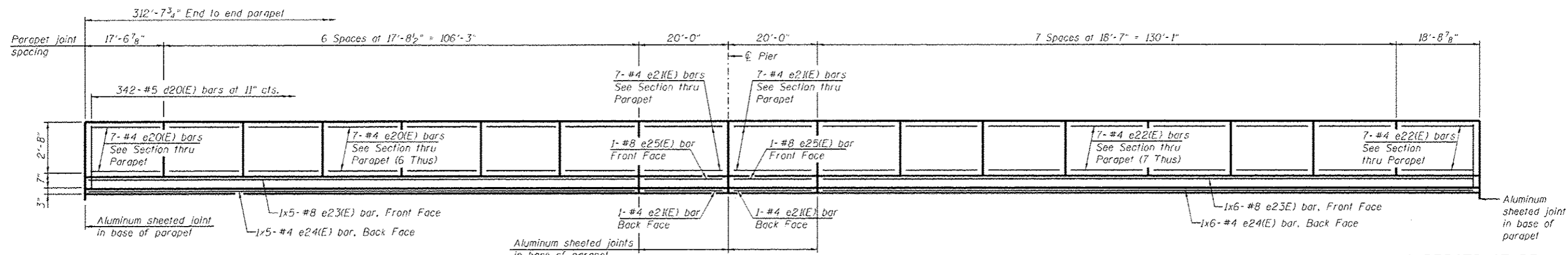
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| FILE NAME 8402164.68620_02_gndt1.dgn | USER NAME - ebecker | DESIGNED - MFB | REVISED - 10/23/2012 MFB |
| | | CHECKED - MRB/SCW | REVISED - |
| | | DRAWN - PRT | REVISED - |
| | | CHECKED - MRB | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA 1 OF 2
STRUCTURE NO. 090-0169
SHEET NO. SC2 OF SC63 SHEETS

| | | | | |
|--------------------|--|--------------------|---------------------------|-------------------|
| F.A.I. RTE. 74 | SECTION 90-114R(14)B-4,14,14HVB(BR) | COUNTY TAZEWELL | TOTAL SHEETS 2433 | SHEET NO. 1978 |
| CONTRACT NO. 68620 | | | ILLINOIS FED. AID PROJECT | |

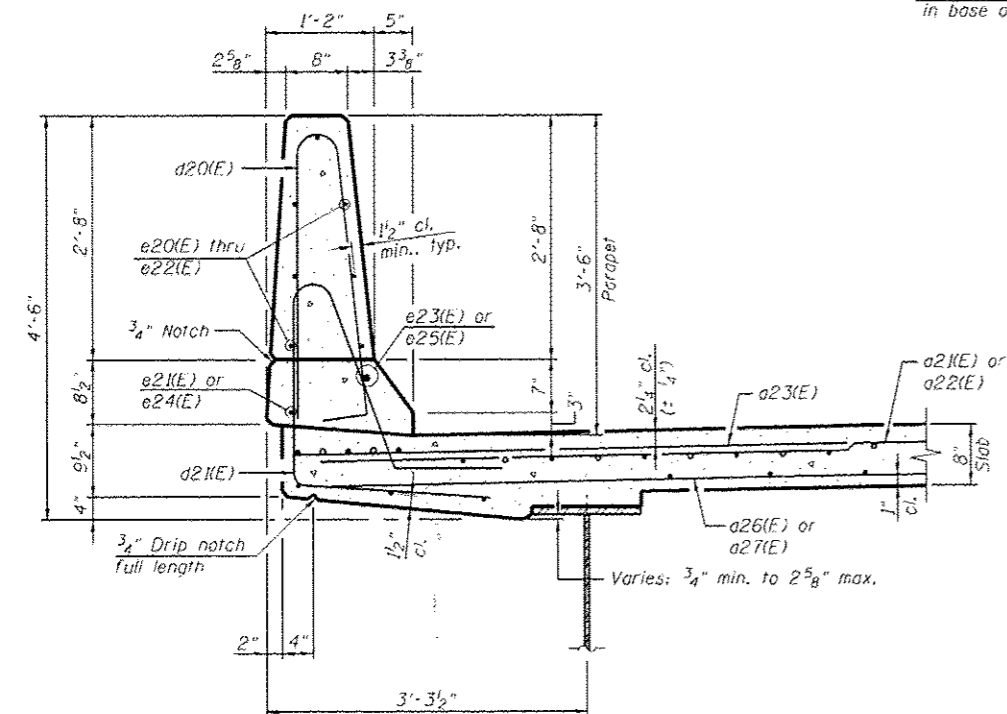
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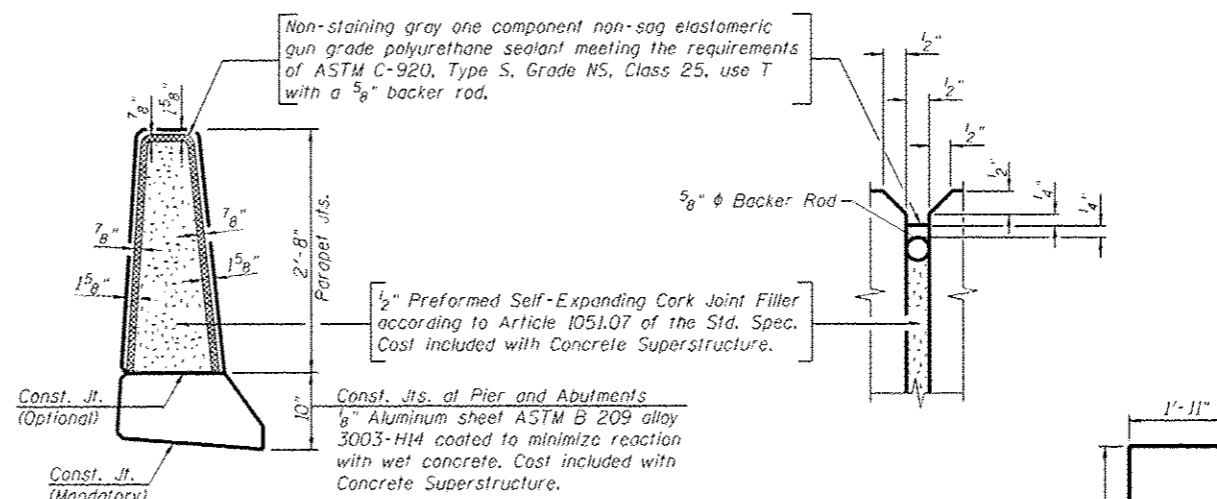
INSIDE ELEVATION OF PARAPET
(2 Thus)

**SUPERSTRUCTURE
BILL OF MATERIAL**

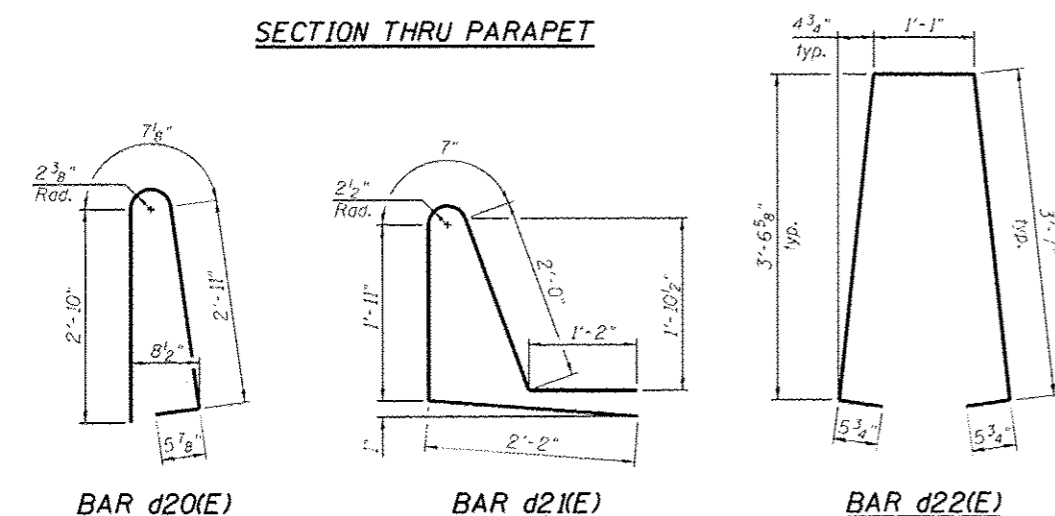
| Bar | No. | Size | Length | Shape |
|----------------------------------|------|---------|----------|-------|
| a20(E) | 1193 | #5 | 31'-0" | |
| a21(E) | 751 | #5 | 43'-4" | |
| a22(E) | 751 | #5 | 42'-11" | |
| a23(E) | 1486 | #6 | 6'-6" | |
| a24(E) | 8 | #6 | 20'-3" | |
| a25(E) | 16 | #6 | 27'-3" | |
| a26(E) | 442 | #5 | 43'-1" | |
| a27(E) | 442 | #5 | 42'-8" | |
| b20(E) | 1250 | #5 | 34'-9" | |
| b21(E) | 366 | #6 | 34'-9" | |
| b22(E) | 1067 | #5 | 31'-6" | |
| d20(E) | 684 | #5 | 6'-10" | |
| d21(E) | 684 | #5 | 7'-10" | |
| d22(E) | 342 | #5 | 9'-3" | |
| d23(E) | 684 | #5 | 3'-5" | |
| e20(E) | 98 | #4 | 17'-3" | |
| e21(E) | 32 | #4 | 19'-8" | |
| e22(E) | 112 | #4 | 18'-3" | |
| e23(E) | 26 | #8 | 28'-6" | |
| e24(E) | 26 | #4 | 26'-0" | |
| e25(E) | 4 | #6 | 19'-8" | |
| m20(E) | 10 | #6 | 35'-11" | |
| m21(E) | 40 | #6 | 27'-0" | |
| m22(E) | 8 | #6 | 6'-2" | |
| m23(E) | 88 | #6 | 9'-8" | |
| m24(E) | 16 | #6 | 3'-6" | |
| m25(E) | 16 | #5 | 4'-0" | |
| m26(E) | 8 | #6 | 3'-6" | |
| m27(E) | 8 | #6 | 3'-1" | |
| m28(E) | 8 | #6 | 6'-8" | |
| s20(E) | 246 | #5 | 11'-10" | |
| s21(E) | 222 | #5 | 17'-0" | |
| v20(E) | 246 | #5 | 5'-0" | |
| Concrete Superstructure | | Cu. Yd. | 1,339.8 | |
| Reinforcement Bars, Epoxy Coated | | Pound | 1294,490 | |



SECTION THRU PARAPET



PARAPET JOINT DETAILS



BAR d20(E)

BAR d21(E)

BAR d22(E)

BAR d23(E)

BAR s20(E)

BAR s21(E)

MINIMUM BAR LAP (Deck)

#5 bar = 3'-3"
#6 bar = 3'-10"

MINIMUM BAR LAP (Parapet)

#4 bar = 2'-0"
#8 bar = 5'-2"

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| | | | |
|----------------------------|-----------|----------|----------------|
| FILE NAME | USER NAME | DESIGNED | REVISED |
| 9900169_66620_21_dkdst.dgn | mbecker | MFB | 10/23/2012 MFB |
| | | CHECKED | REVISED |
| | | MRB | |
| | | DRAWN | REVISED |
| | | PRT | |
| | | CHECKED | REVISED |
| | | MRB | |

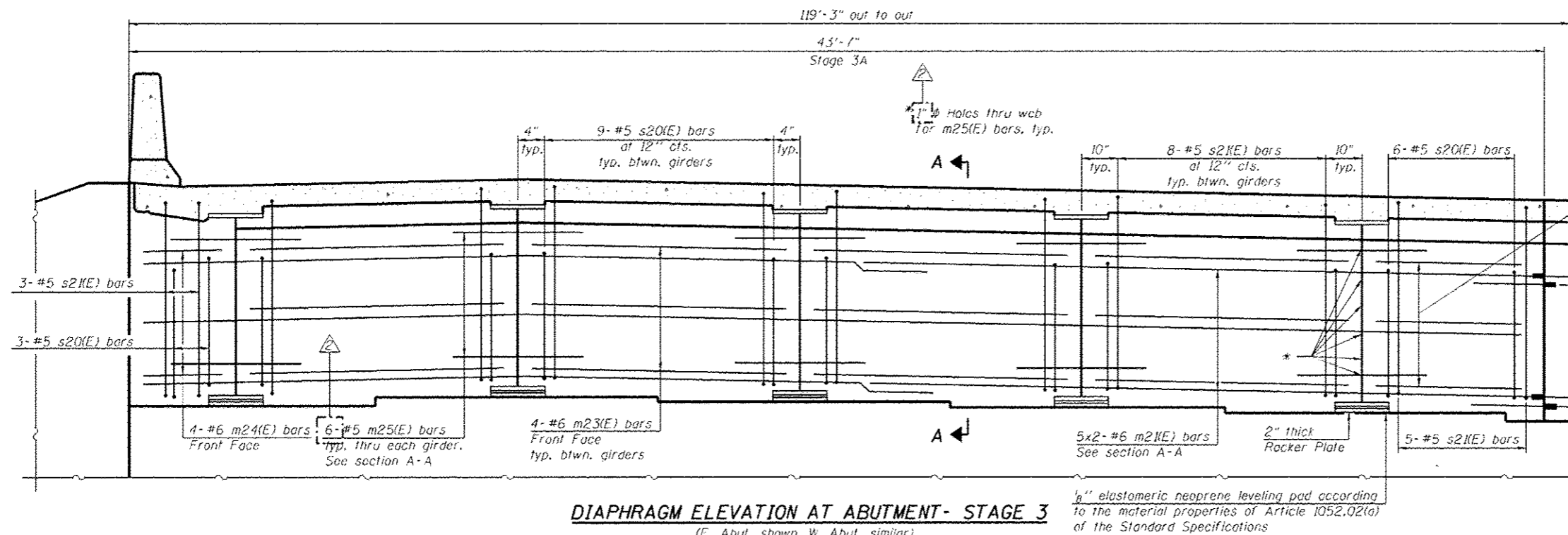
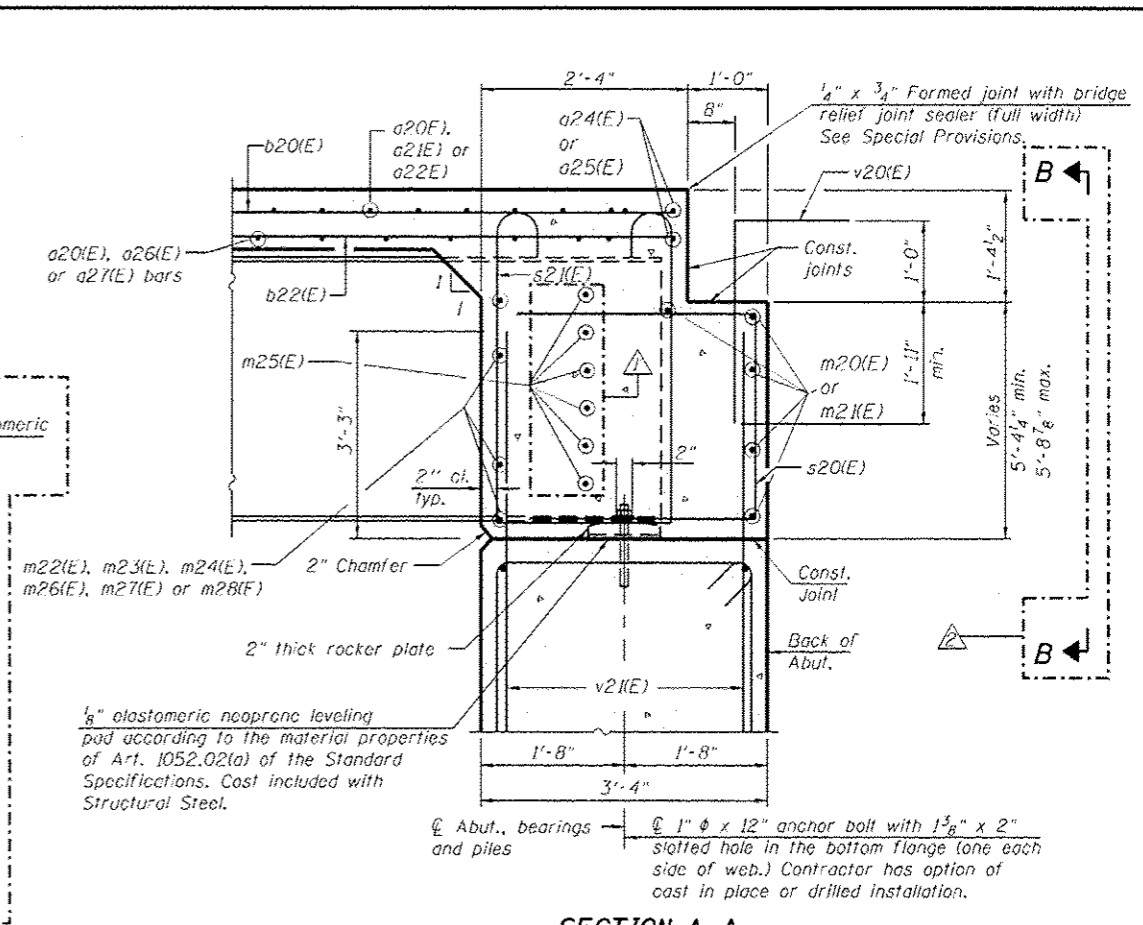
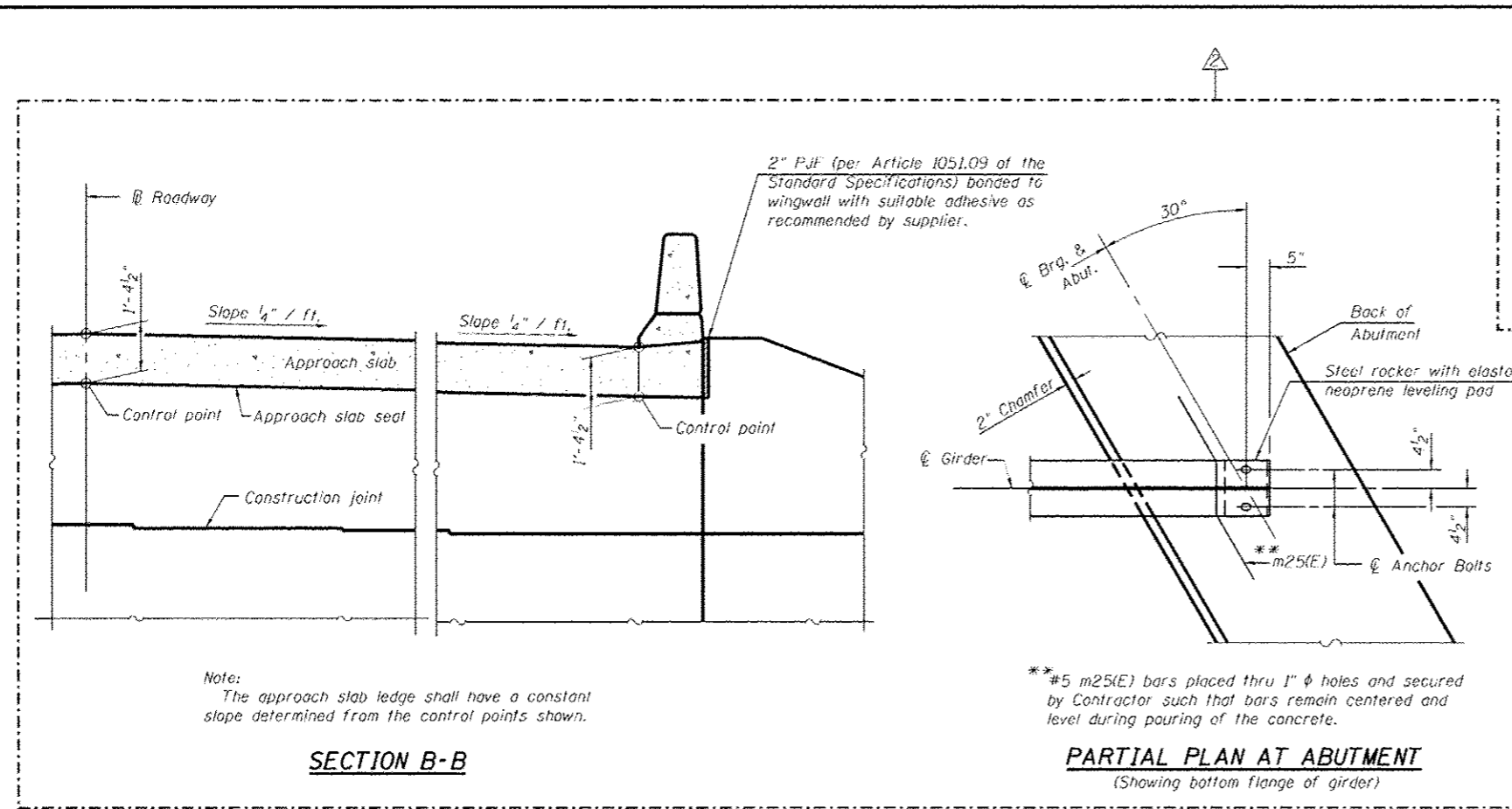
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUPERSTRUCTURE DETAILS 1 OF 2
STRUCTURE NO. 090-0169**

SHEET NO. SC21 OF SC63 SHEETS

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|-------------------------------|----------|---------------------------|-----------|
| 74 | 90-[14R]-[14H]-[4,14,14H]B[R] | TAZEWELL | 2433 | 1997 |
| CONTRACT NO. 68620 | | | ILLINOIS FED. AID PROJECT | |

x:\10000s\10056\engineering\documents\phase-1\174over-jackson\Final\0900169_68620_21_dkdst.dgn 3:30:14 PM 10/22/2012



MINIMUM BAR LAP
#6 bar = 3'-4"

- NOTES:**
1. Reinforcement bars in diaphragm are billed with superstructure on sheet SC21.
 2. Concrete in diaphragm is included with Concrete Superstructure on sheet SC21.
 3. For details of bars s20(E) & s20(E) see sheet SC21.
 4. The s20(E) and s20(E) bars shall be placed parallel to the girders. Spacing for these bars shall be at right angles to the girders.
 5. All horizontal dimensions in the Elevation are perpendicular to the girders.

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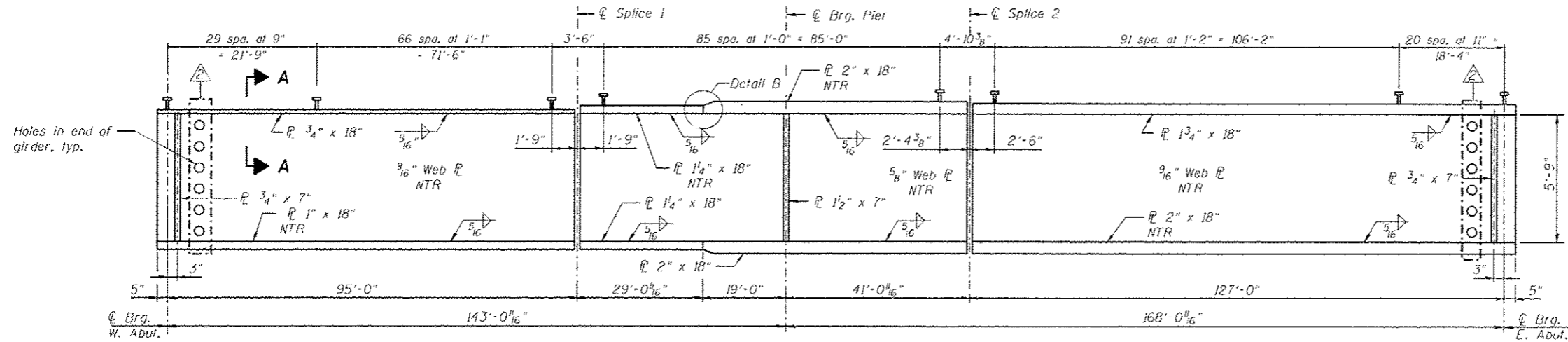
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| FILE NAME - | USER NAME - abecker | DESIGNED - DTS | REVISED - 10/23/2012 MFB |
| 0900169_68620_24_dkdt4.dgn | PLOT SCALE - | CHECKED - MRB | REVISED - |
| | PLOT DATE - 10/22/2012 | DRAWN - PRT | REVISED - |
| | | CHECKED - MRB | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

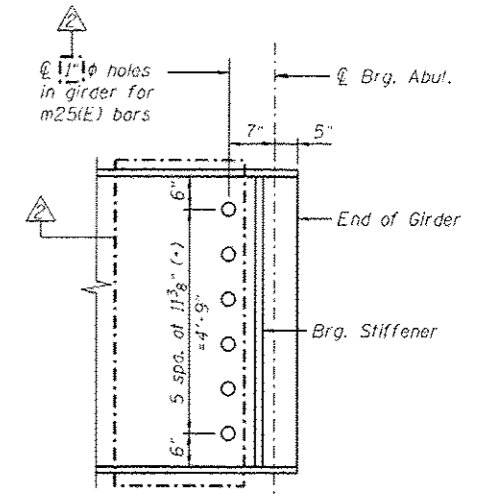
DIAPHRAGM DETAILS 2 OF 2
STRUCTURE NO. 090-0169
SHEET NO. SC24 OF SC63 SHEETS

| | | | | |
|--------------------|----------------------------|----------|---------------------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 74 | 90-(14R;14HB-4,14,14HVB)BR | TAZEWELL | 2433 | 2000 |
| CONTRACT NO. 68620 | | | ILLINOIS FED. AID PROJECT | |

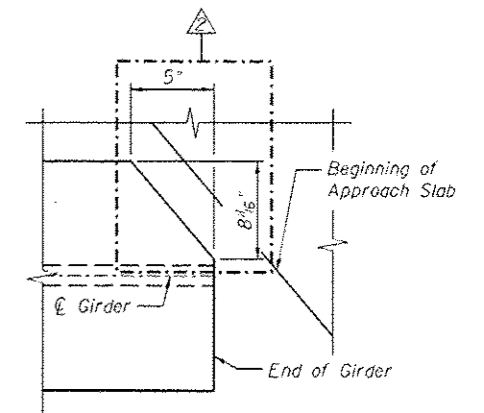
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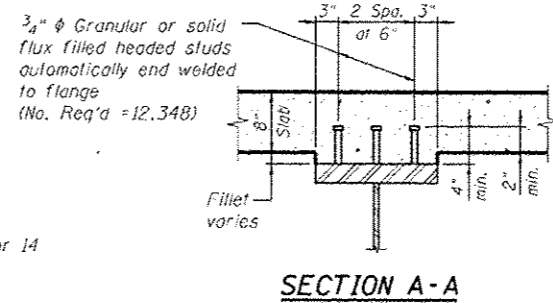
GIRDER ELEVATION



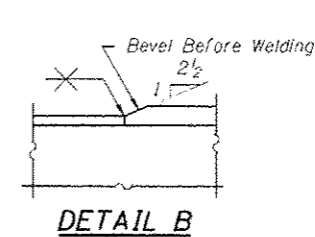
END OF GIRDER ELEVATION



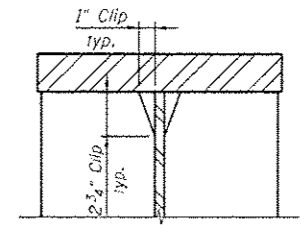
END OF GIRDER COPING DETAIL
(Top Flange only)



SECTION A-A

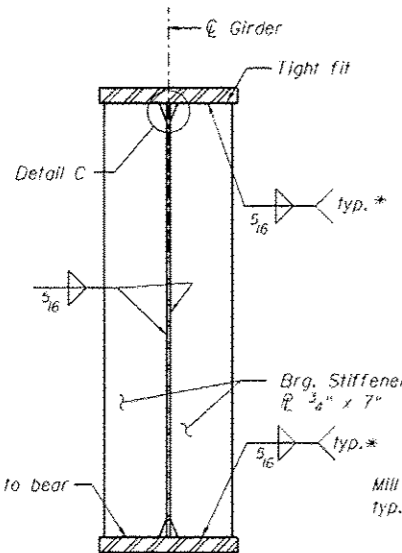


DETAIL B



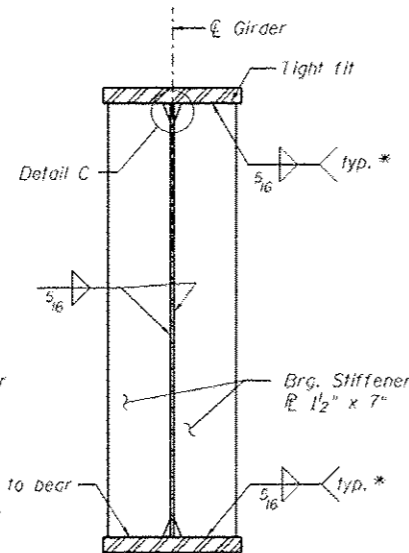
DETAIL C
(Typical top & bottom flanges)

* Terminate weld 1/4" from outside edges of R's



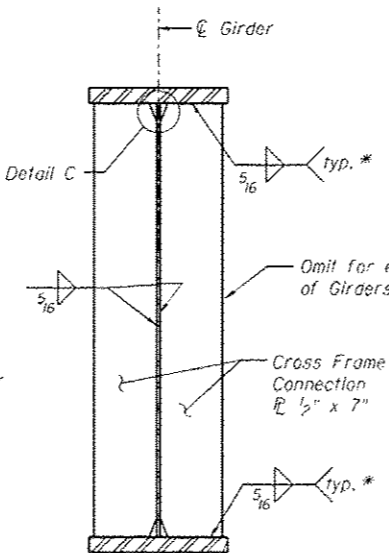
BEARING STIFFENER AT ABUTMENT

(No. plates required = 56)



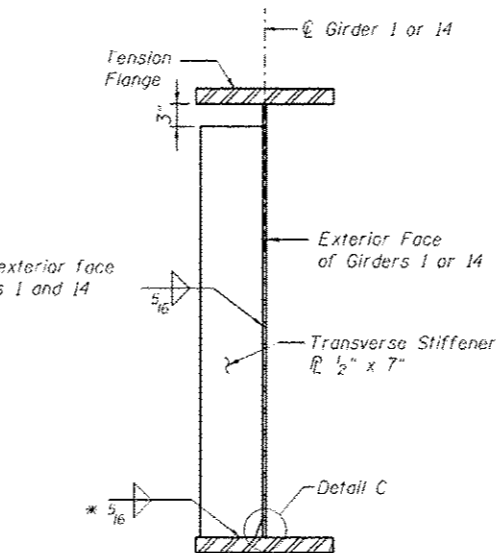
BEARING STIFFENER AT PIER

(No. plates required = 28)



CONNECTION PLATE

(No. plates required = 3/1)



TRANSVERSE STIFFENER

(No. plates required = 2)

NOTES:

- All Girder webs and flanges shall be AASHTO M270 Grade 50 steel.
- "NTR" denotes plates to which notch toughness requirements are applicable.
- Load carrying components designated "NTR" shall conform to the Impact Testing Requirements, Zone 2.

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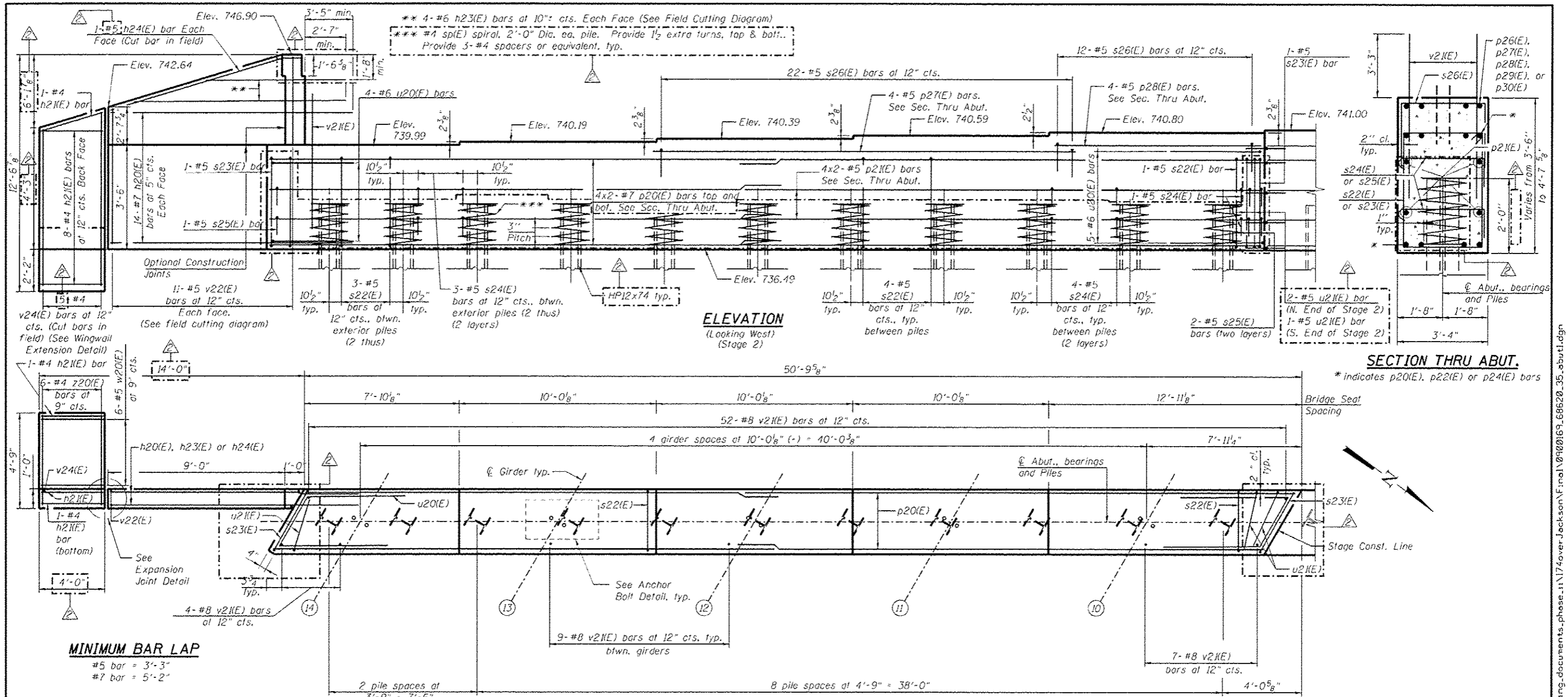
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|--|-------------------------|---------------------|---------------------------|
| FILE NAME 0900169_00620_30_std1.dgn | USER NAME mbecker | DESIGNED JLS/DTS | REVISED 10/23/2012 MFB |
| | SCALE 1"=10'-0" | CHECKED MRB | REVISED |
| | PLOT DATE 10/22/2012 | DRAWN PRT | REVISED |
| | | CHECKED MRB | REVISED |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GIRDER DETAILS 1 OF 4
STRUCTURE NO. 090-0169**

SHEET NO. SC30 OF SC63 SHEETS

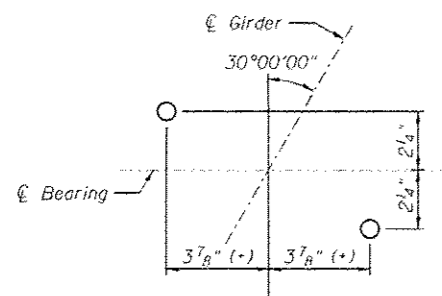
| | | | | |
|--------------------|---------------------------------------|--------------------|---------------------------|-------------------|
| F.A.I. RTE. 74 | SECTION 90-(14R)14HB-4,14,14HB(B)R | COUNTY TAZEWELL | TOTAL SHEETS 2433 | SHEET NO. 2006 |
| CONTRACT NO. 68620 | | | ILLINOIS FED. AID PROJECT | |



MINIMUM BAR LAP

#5 bar = 3'-3"
 #7 bar = 5'-2"

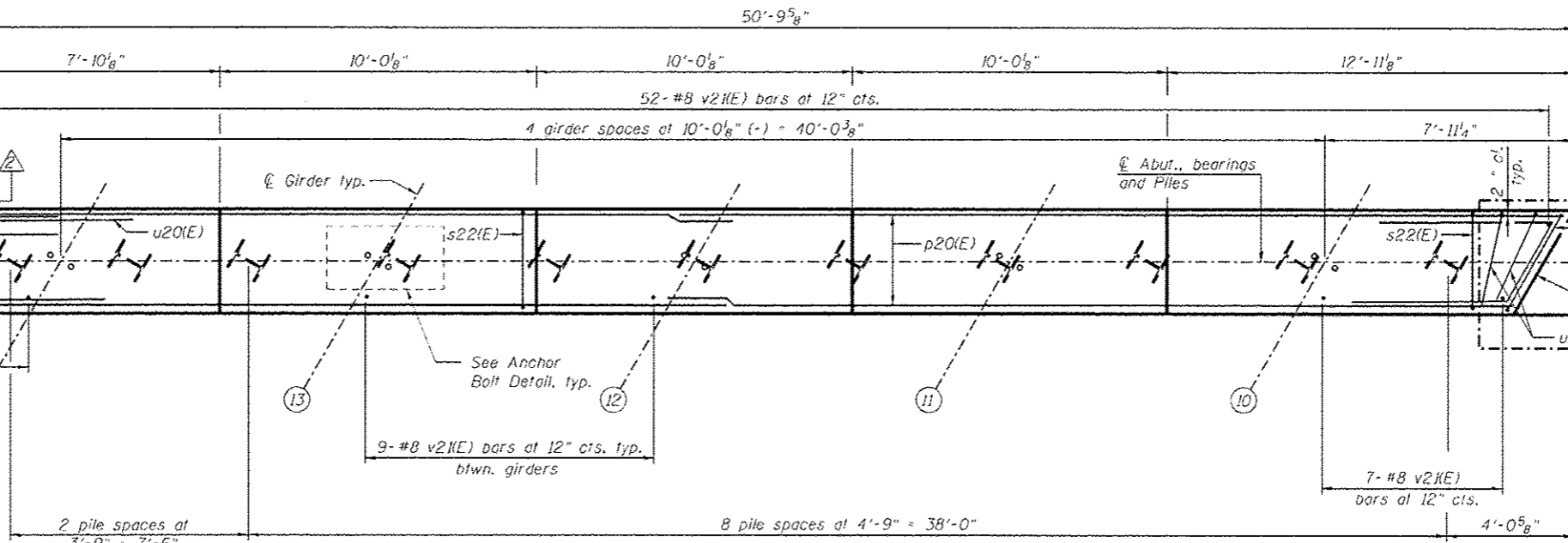
ANCHOR BOLT DETAIL



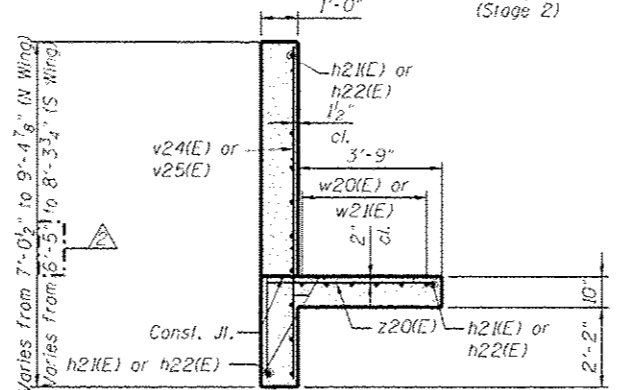
PILE DATA

Type: HPI2x74
 Nominal Required Bearings: 294 kips
 Factored Resistance, Available: 162 kips
 Est. Length: 75 ft.
 No. Production Piles: 29
 No. Test Piles: 1

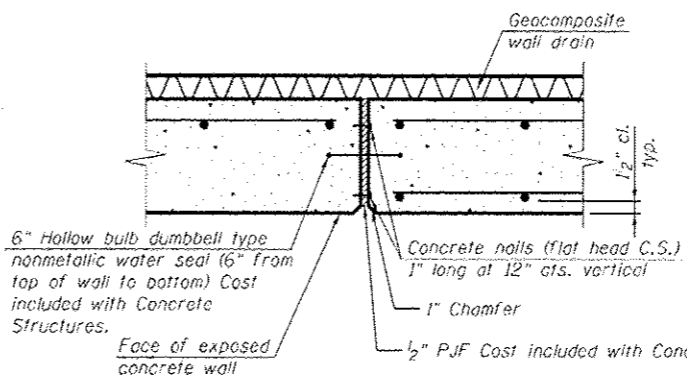
PLAN (Stage 2)



WINGWALL EXTENSION DETAIL



EXPANSION JOINT DETAIL



NOTES:

1. For details of Bar Splicers, see sheet SC44.
2. For details of piles, see sheet SC43.
3. Pour steps monolithically with cap.
4. For Bill of Material and Bar List, see sheet SC36.
5. Adjust bar spacing to avoid anchor bolt locations.
6. Flare all u21(E) bars between the s23(E) bar and the end pile.

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| | | | |
|---------------------------------------|-------------------|------------------|-------------------------|
| FILE NAME: 0900167.66620.35_abut1.dgn | USER NAME: mbeckr | DESIGNED: DTS | REVISED: 10/23/2012 MFB |
| | | CHECKED: SLD/JLS | REVISED: |
| | | DRAWN: PRT/DTS | REVISED: |
| | | CHECKED: SLD | REVISED: |

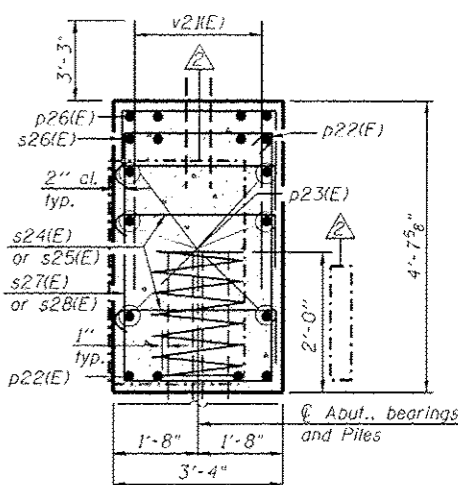
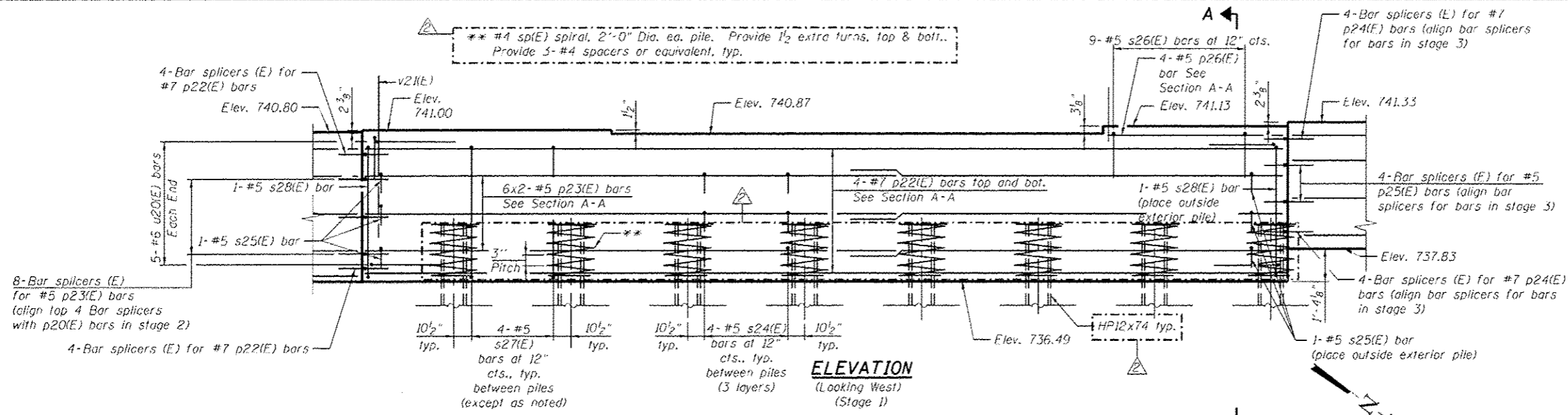
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**WEST ABUTMENT DETAILS 1 OF 3
 STRUCTURE NO. 090-0169
 SHEET NO. SC35 OF SC63 SHEETS**

| | | | | |
|--------------------|------------------------------------|-----------------|---------------------------|----------------|
| F.A.I. RTE. 74 | SECTION 90-(14R)(14HB-4,14,14HB)BR | COUNTY TAZEWELL | TOTAL SHEETS 2433 | SHEET NO. 2011 |
| CONTRACT NO. 68620 | | | ILLINOIS FED. AID PROJECT | |

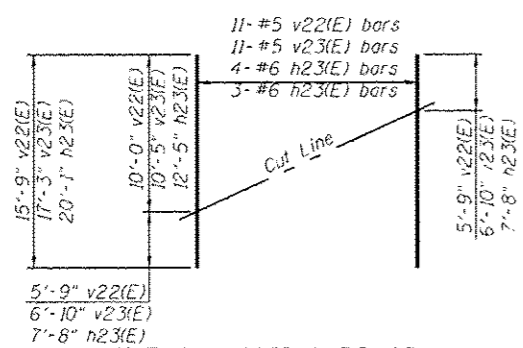
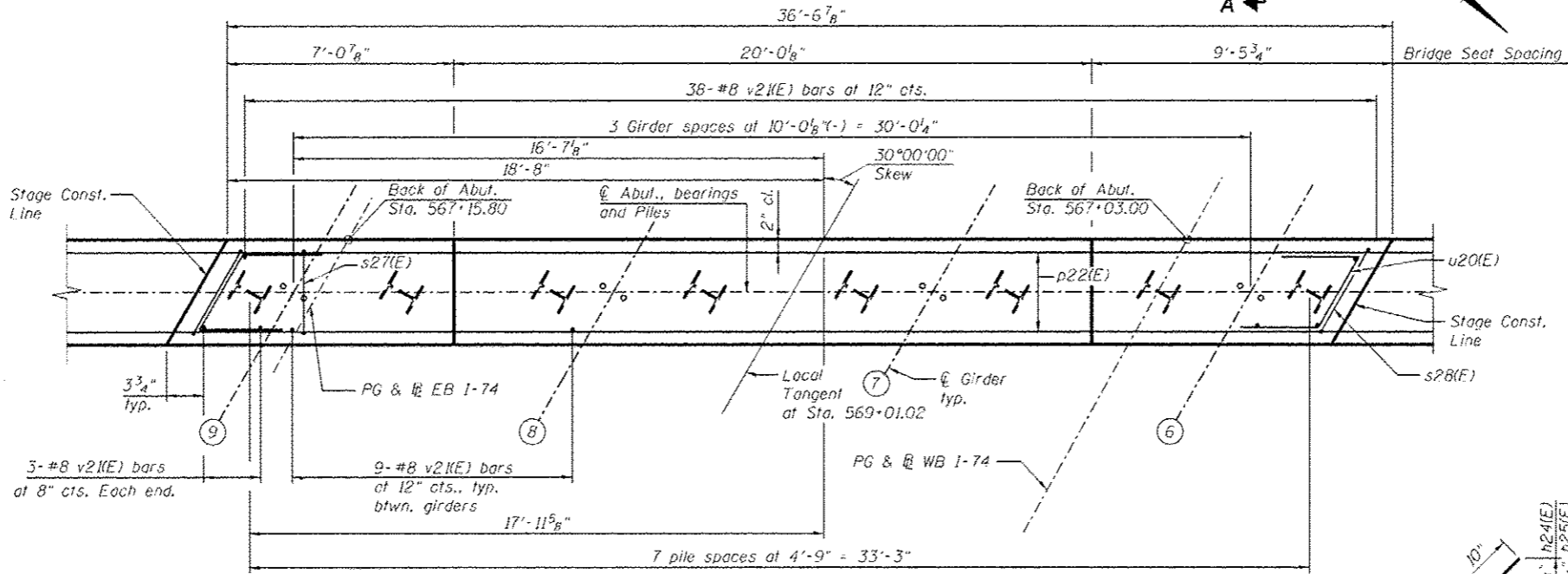
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** #4 sp(E) spiral, 2'-0" Dia. ea. pile. Provide 1/2 extra turns, top & bot. Provide 3- #4 spacers or equivalent, typ.

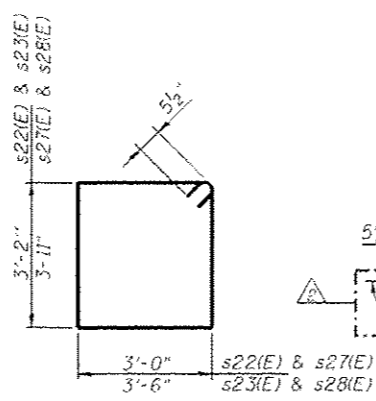


SECTION A-A
BILL OF MATERIAL

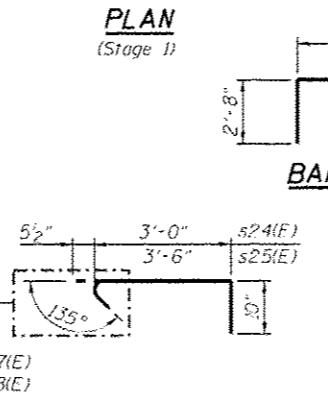
| Bar | No. | Size | Length | Shape |
|----------------------------------|-----|---------|--------|-------|
| h20(E) | 62 | #7 | 13'-6" | |
| h21(E) | 11 | #4 | 13'-8" | |
| h22(E) | 11 | #4 | 5'-8" | |
| h23(E) | 7 | #6 | 20'-1" | |
| h24(E) | 2 | #5 | 10'-6" | |
| h25(E) | 2 | #5 | 10'-2" | |
| p20(E) | 16 | #7 | 28'-0" | |
| p21(E) | 8 | #5 | 27'-0" | |
| p22(E) | 8 | #7 | 36'-2" | |
| p23(E) | 12 | #5 | 19'-9" | |
| p24(E) | 16 | #7 | 27'-9" | |
| p25(E) | 8 | #5 | 26'-9" | |
| p26(E) | 4 | #5 | 7'-3" | |
| p27(E) | 4 | #5 | 23'-3" | |
| p28(E) | 4 | #5 | 10'-9" | |
| p29(E) | 8 | #5 | 22'-0" | |
| p30(E) | 4 | #5 | 9'-8" | |
| s22(E) | 78 | #5 | 13'-3" | |
| s23(E) | 4 | #5 | 14'-3" | |
| s24(E) | 240 | #5 | 4'-4" | |
| s25(E) | 14 | #5 | 4'-10" | |
| s26(E) | 82 | #5 | 6'-10" | |
| s27(E) | 28 | #5 | 14'-9" | |
| s28(E) | 2 | #5 | 15'-9" | |
| sp(E) | 30 | #4 | 2'-0" | WWW |
| u20(E) | 27 | #6 | 11'-0" | |
| u21(E) | 6 | #5 | 9'-2" | |
| v21(E) | 268 | #8 | 6'-6" | |
| v22(E) | 11 | #5 | 15'-9" | |
| v23(E) | 11 | #5 | 17'-3" | |
| v24(E) | 7 | #4 | 7'-11" | |
| v25(E) | 7 | #4 | 9'-0" | |
| w20(E) | 6 | #5 | 13'-8" | |
| w21(E) | 6 | #5 | 5'-8" | |
| z20(E) | 15 | #4 | 7'-2" | |
| Structure Excavation | | Cu. Yd. | 407 | |
| Concrete Structures | | Cu. Yd. | 18.9 | |
| Reinforcement Bars, Epoxy Coated | | Pound | 15,940 | |
| Furnishing Steel Piles | | Foot | 2,175 | |
| HP12x74 Driving Piles | | Foot | 2,175 | |
| Test Pile Steel | | Each | 1 | |
| HP12x74 | | Each | 30 | |
| File Shoes | | Each | 30 | |



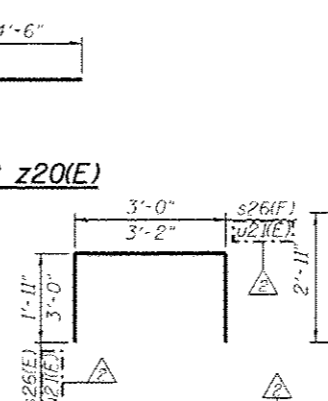
FIELD CUTTING DIAGRAM
Order v22(E), v23(E) and h23(E) full length. Cut as shown and use remainder of bars in opposite face.



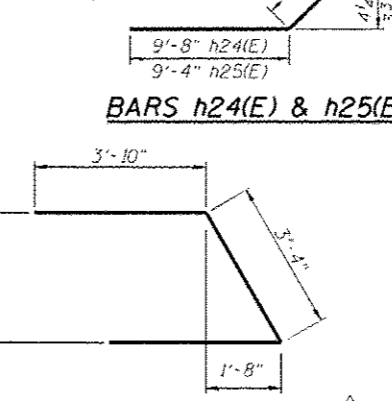
BARS s22(E), s23(E), s27(E) & s28(E)



BARS s24(E) & s25(E)



BARS s26(E) & u21(E)



BAR u20(E)
*Length is height of spiral.
Bars indicated 4x2-#5 etc. indicates 4 lines of bars with 2 lengths per line.

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| FILE NAME | USER NAME | DESIGNED | REVISION |
|----------------------------|-----------|----------|----------------|
| 0900169_68620_36_abut2.dgn | mschober | DTS | 10/23/2012 MFB |
| | | SLD | |
| | | PRT/DTS | |
| | | SLD | |

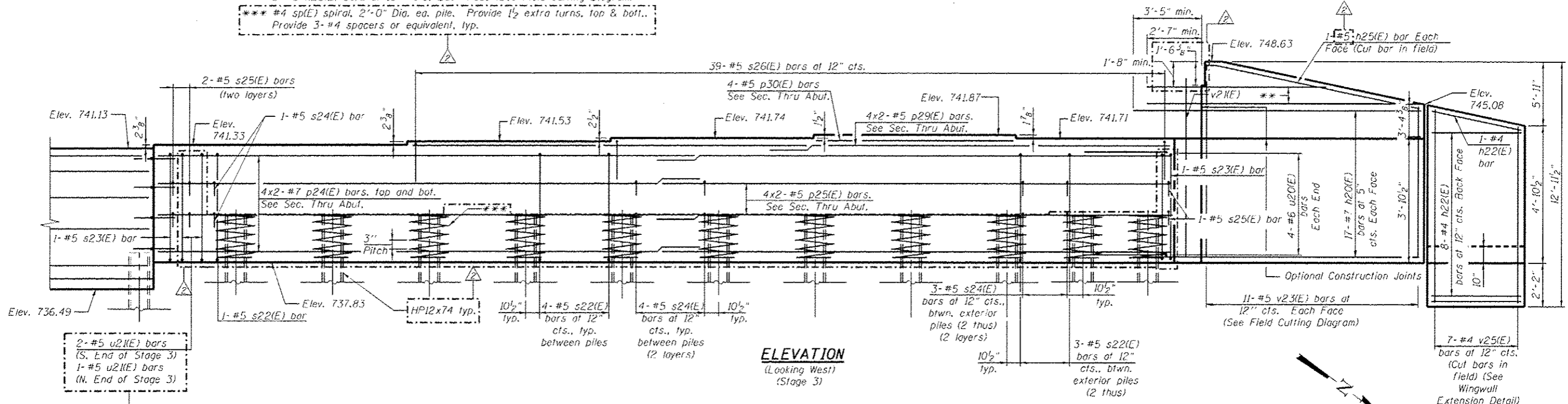
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST ABUTMENT DETAILS 2 OF 3
STRUCTURE NO. 090-0169
SHEET NO. 5C36 OF 5C63 SHEETS

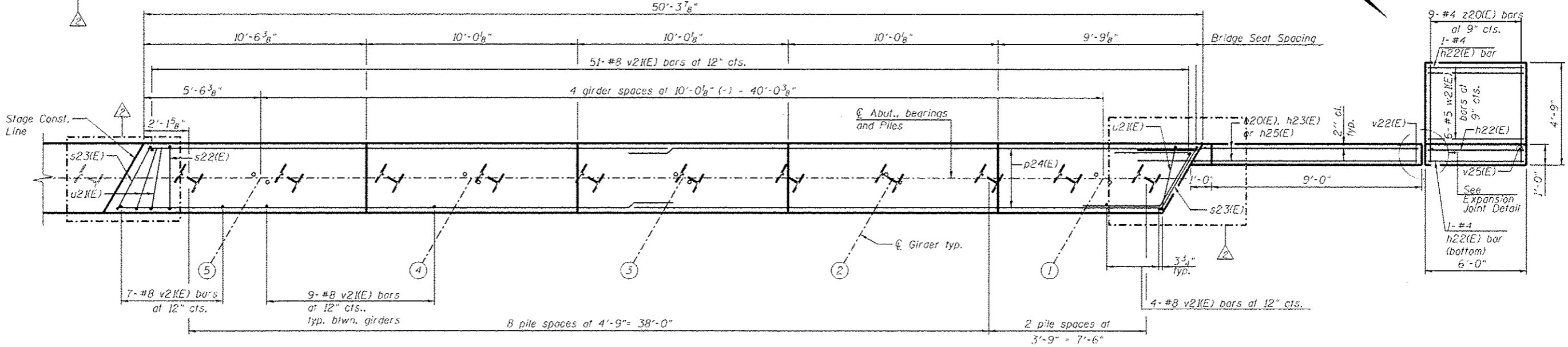
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|------------------------|--------------------------|----------|--------------------|-----------|
| 74 | 90-114R-14B-4,14,14HY8BR | TAZEWELL | 2433 | 2012 |
| | | | CONTRACT NO. 68620 | |
| ILLINOIS STATE PROJECT | | | | |

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** 3-#6 h23(E) bars at 10" cts. Each Face (See Field Cutting Diagram)
 *** #4 sp(E) spiral, 2'-0" Dia. ea. pile. Provide 1/2 extra turns, top & bott., Provide 3-#4 spacers or equivalent, typ.



ELEVATION
 (Looking West)
 (Stage 3)



PLAN
 (Stage 3)

NOTE:
 For Section Thru Abut., Expansion Joint Detail, and Wingwall Extension Detail, see sheet SC35.

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 312-565-0460 Job No. 10056

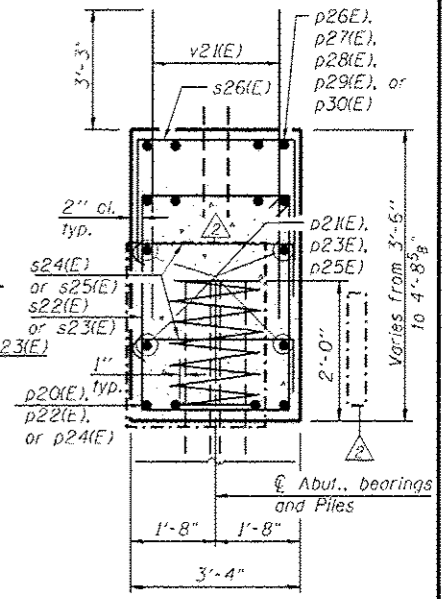
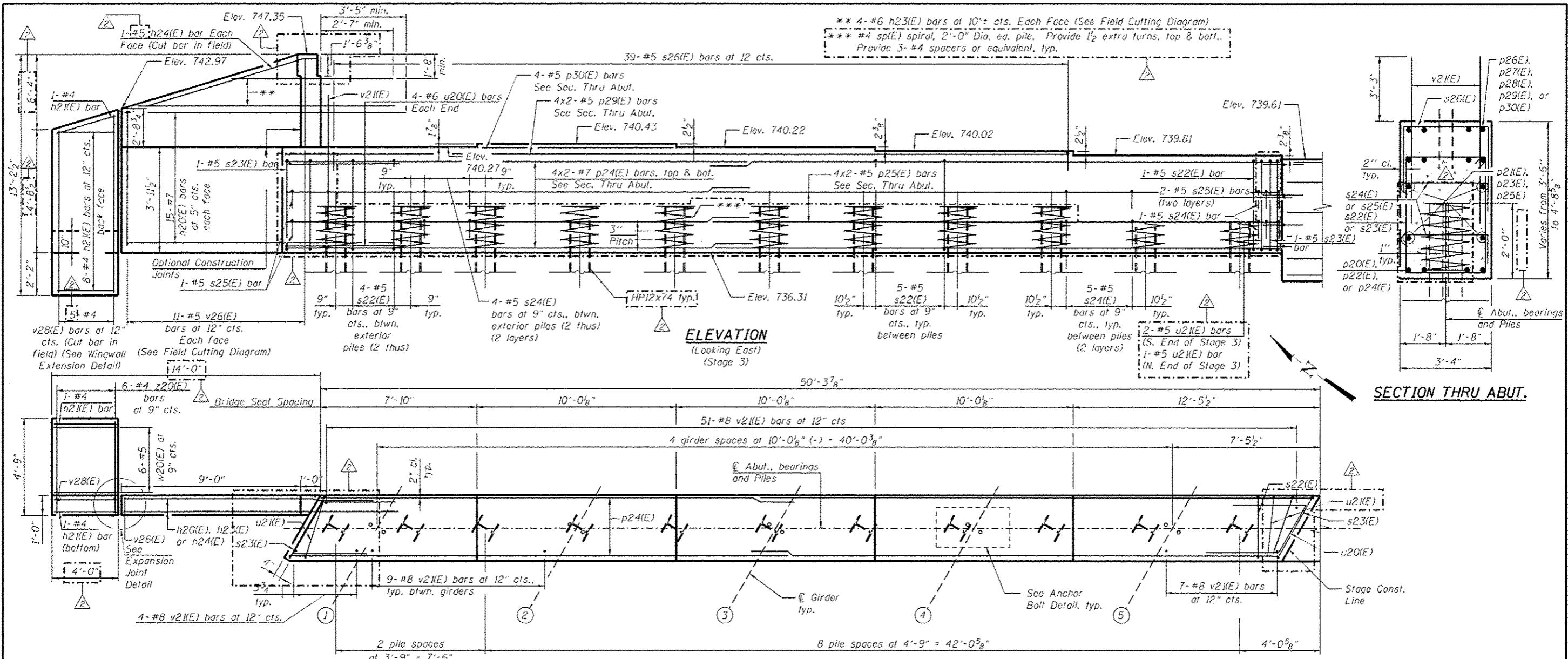
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| | | CHECKED - SLD | DATE - 10/23/2012 |
| | | DRAWN - PRT/DTS | |
| | | CHECKED - SLD | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST ABUTMENT DETAILS 3 OF 3
STRUCTURE NO. 090-0169
 SHEET NO. SC37 OF SC63 SHEETS

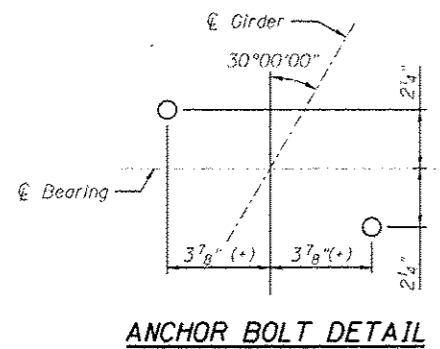
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| F.A.T. RTE. 74 | SECTION 90-(14R)(14H)-4,14,14HVBIB | COUNTY TAZEWELL | TOTAL SHEETS 2433 | SHEET NO. 2013 |
| CONTRACT NO. 68620 | | | ILLINOIS FED. AID PROJECT | |

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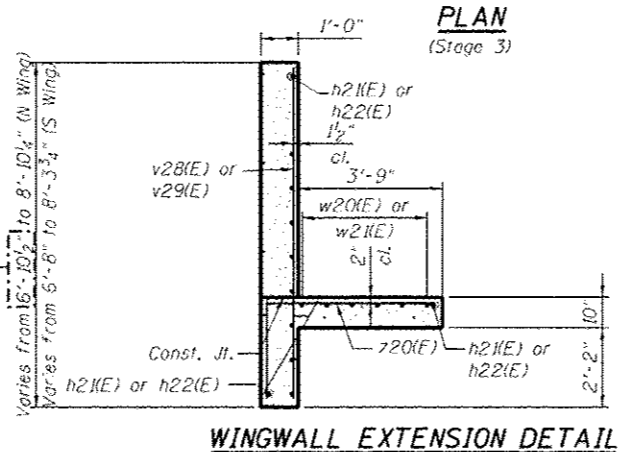
ELEVATION
(Looking East)
(Stage 3)

PLAN
(Stage 3)

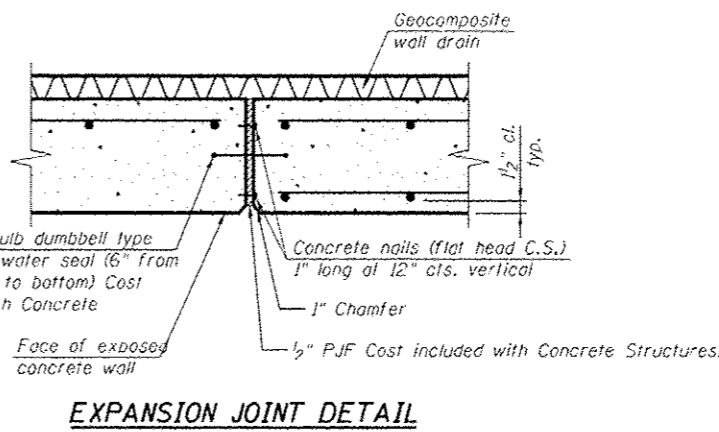


ANCHOR BOLT DETAIL

PILE DATA
Type: HP12x74
Nominal Required Bearing: 350 kips
Factored Resistance Available: 193 kips
Est. Length: 67 ft.
No. Production Piles: 29
No. Test Piles: 1



WINGWALL EXTENSION DETAIL



EXPANSION JOINT DETAIL

- NOTES:**
1. For details of Bar Splicers, see sheet SC44.
 2. For details of piles, see sheet SC43.
 3. Pour steps monolithically with cap.
 4. For Bill of Material and Bar List, see sheet SC39.
 5. Adjust bar spacing to avoid anchor bolt locations.
 6. Flare all u21(E) bars between the s23(E) bar and end pile.

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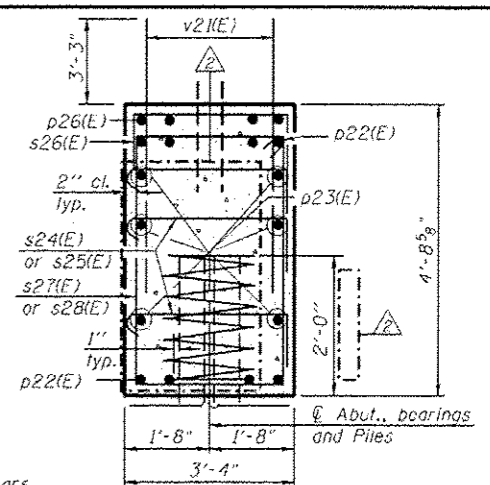
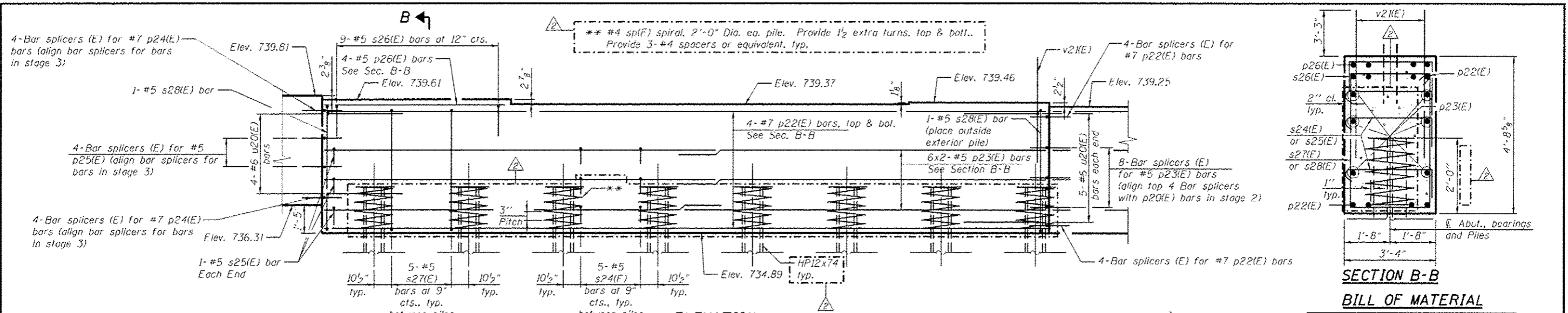
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| PROJECT = 0900169_66620_38_abut4.dgn | SCALE = | CHECKED - SLD/JLS | REVISED - |
| DATE = 10/22/2012 | | DRAWN - PRT/DTS | REVISED - |
| | | CHECKED - SLD | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST ABUTMENT DETAILS 1 OF 3
STRUCTURE NO. 090-0169
SHEET NO. SC38 OF SC63 SHEETS

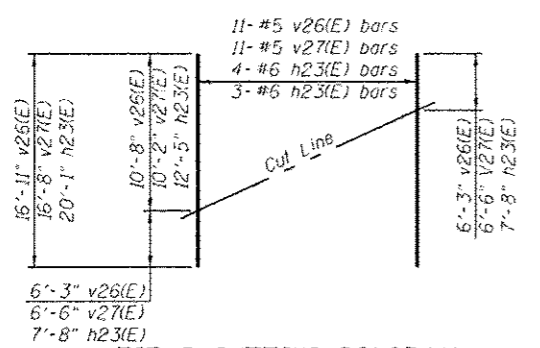
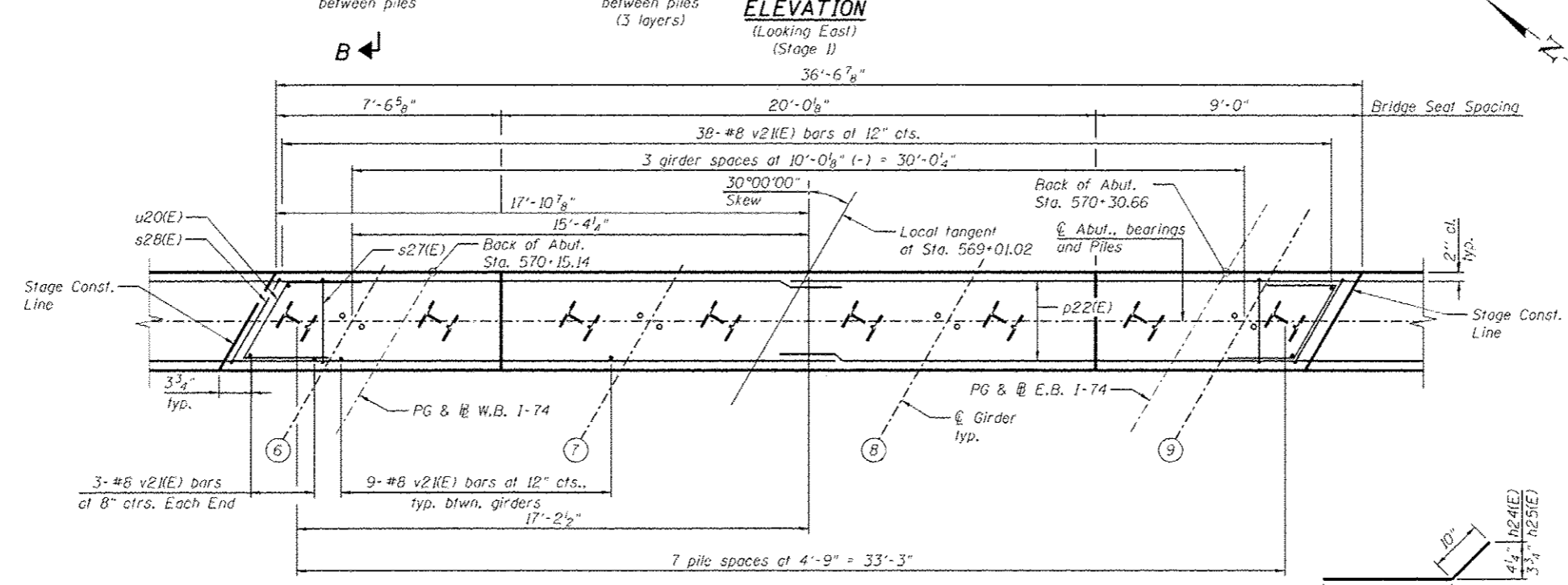
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| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 74 | 90-114R(14H)-4,14,14HVBIBR | TAZEWELL | 2433 | 2014 |
| CONTRACT NO. 68620 | | | ILLINOIS FED. AID PROJECT | |

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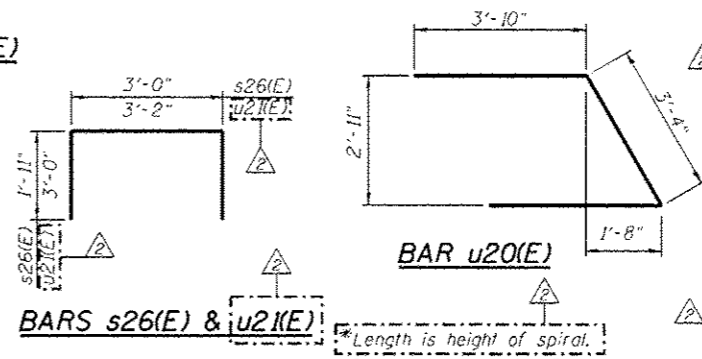
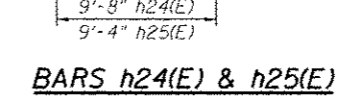
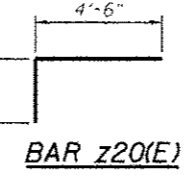
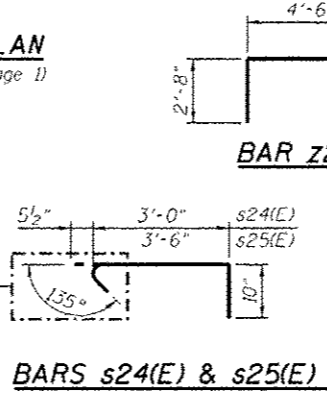
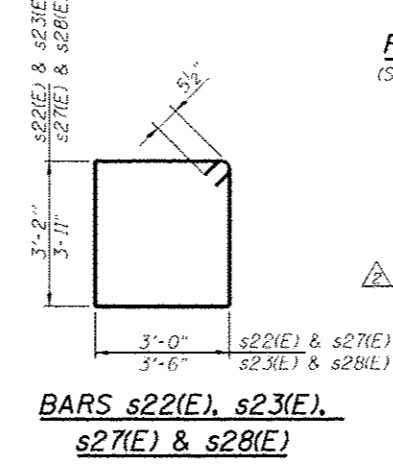


SECTION B-B
BILL OF MATERIAL

| Bar | No. | Size | Length | Shape |
|----------------------------------|---------|------|---------|-------|
| h20(E) | 64 | #7 | 13'-6" | |
| h21(E) | 11 | #4 | 3'-8" | |
| h22(E) | 11 | #4 | 5'-8" | |
| h23(E) | 7 | #6 | 20'-1" | |
| h24(E) | 2 | #5 | 10'-6" | |
| h25(E) | 2 | #5 | 10'-2" | |
| p20(E) | 16 | #7 | 28'-0" | |
| p21(E) | 8 | #5 | 27'-0" | |
| p22(E) | 8 | #7 | 36'-2" | |
| p23(E) | 12 | #5 | 19'-9" | |
| p24(E) | 16 | #7 | 27'-9" | |
| s25(E) | 8 | #5 | 26'-9" | |
| p26(E) | 4 | #5 | 7'-3" | |
| p27(E) | 4 | #5 | 23'-3" | |
| p28(E) | 4 | #5 | 10'-9" | |
| p29(E) | 8 | #5 | 22'-0" | |
| p30(E) | 4 | #5 | 9'-8" | |
| s22(E) | 98 | #5 | 13'-3" | |
| s23(E) | 6 | #5 | 14'-3" | |
| s24(E) | 301 | #5 | 4'-4" | |
| s25(E) | 18 | #5 | 4'-10" | |
| s26(E) | 82 | #5 | 6'-10" | |
| s27(E) | 35 | #5 | 14'-9" | |
| s28(E) | 2 | #5 | 15'-9" | |
| sp(E) | 30 | #4 | 2'-0" | WWW |
| u20(E) | 27 | #6 | 11'-0" | |
| u21(E) | 6 | #5 | 9'-2" | |
| v21(E) | 268 | #8 | 6'-6" | |
| v26(E) | 11 | #5 | 16'-11" | |
| v27(E) | 11 | #5 | 16'-8" | |
| v28(E) | 5 | #4 | 8'-5" | |
| v29(E) | 7 | #4 | 8'-8" | |
| w20(E) | 6 | #5 | 3'-8" | |
| w21(E) | 6 | #5 | 5'-8" | |
| z20(E) | 15 | #4 | 7'-2" | |
| Structure Excavation | Cu. Yd. | | 421 | |
| Concrete Structures | Cu. Yd. | | 79.7 | |
| Reinforcement Bars, Epoxy Coated | Pound | | 16,710 | |
| Furnishing Steel Piles | Foot | | 1,943 | |
| Driving Piles | Foot | | 1,943 | |
| Test Pile Steel | Each | | 1 | |
| HP12x74 | | | | |
| Pile Shoes | Each | | 30 | |



FIELD CUTTING DIAGRAM
Order v26(E), v27(E) and h23(E) full length. Cut as shown and use remainder of bars in opposite face.



*Length is height of spiral.
Bars indicated 4x2-#5 etc. indicates 4 lines of bars with 2 lengths per line.

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| | | | |
|--|-----------------------|----------------|-------------------------|
| FILE NAME: 8\001619_68620_39_abut5.dgn | USER NAME: mbecker | DESIGNED: DTS | REVISED: 10/23/2012 MFB |
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| | | CHECKED: SLD | |

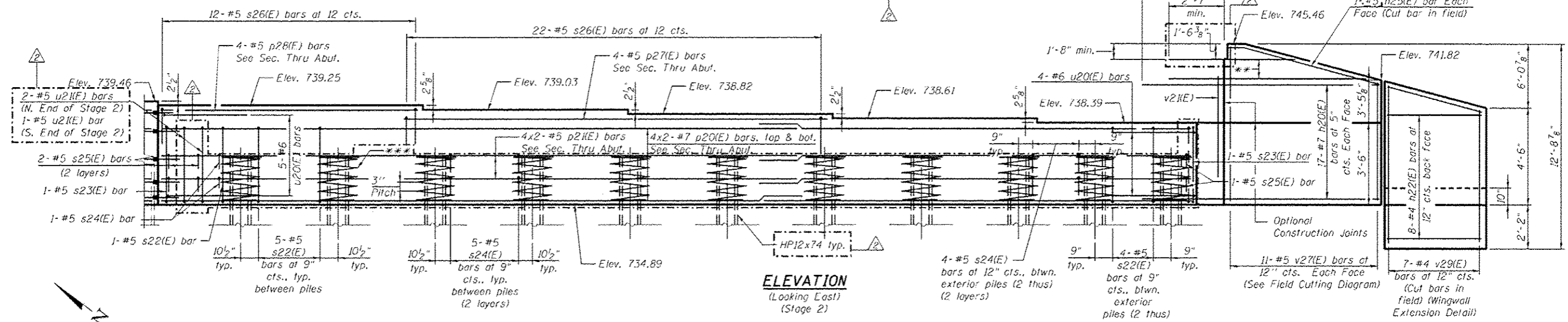
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST ABUTMENT DETAILS 2 OF 3
STRUCTURE NO. 090-0169
SHEET NO. SC39 OF SC63 SHEETS

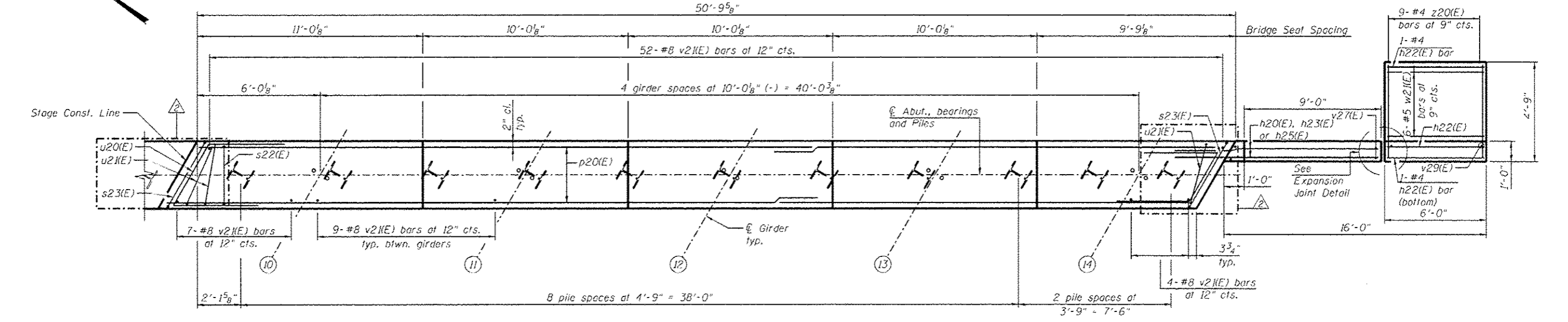
| F.A.I. R.T.E. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------|----------------------------|----------|---------------------------|-----------|
| 74 | BO-114R-14HB-4.14.14HB/BBR | TAZEWELL | 2433 | 2015 |
| CONTRACT NO. 68620 | | | ILLINOIS FED. AID PROJECT | |

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** 3-#6 h23(E) bars at 11" cts. Each Face (See Field Cutting Diagram)
 *** #4 sp(E) spiral, 2'-0" Dia. ea. pile. Provide 1/2 extra turns, top & bot. Provide 3-#4 spacers or equivalent, typ.



ELEVATION
(Looking East)
(Stage 2)



PLAN
(Stage 2)

NOTE:
 For Section Thru Abut., Expansion Joint Detail, and Wingwall Extension Detail, see sheet SC38.

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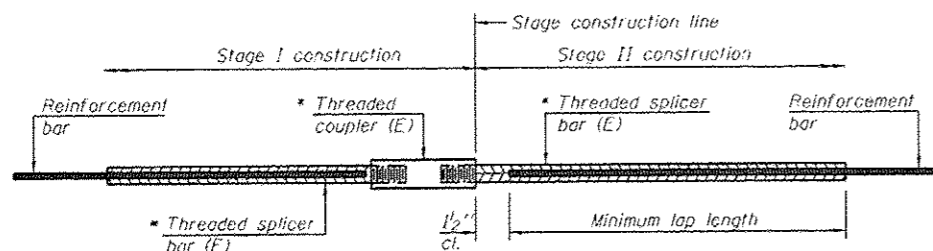
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| PLT DATE | PRT/DTS | SLD | |
| 10/22/2012 | | | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST ABUTMENT DETAILS 3 OF 3
STRUCTURE NO. 090-0169
 SHEET NO. SC40 OF SC63 SHEETS

| | | | | |
|---------------------------|---------------------------|----------|--------------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 74 | 90-[14R]14H-4,14,14HVB]BR | TAZEWELL | 2433 | 2016 |
| ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 68620 | |

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STANDARD BAR SPLICER ASSEMBLY

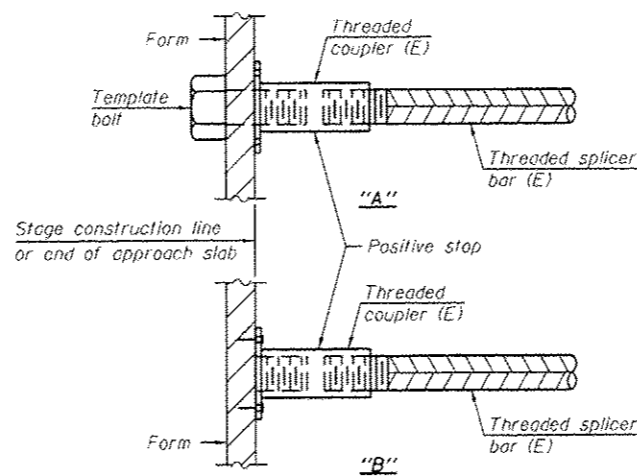
| Minimum Lap Lengths | | | | | | |
|------------------------|---------|---------|---------|---------|---------|---------|
| Bar size to be spliced | Table 1 | Table 2 | Table 3 | Table 4 | Table 5 | Table 6 |
| 3, 4 | 1'-5" | 1'-11" | 2'-1" | 2'-4" | 2'-7" | 2'-11" |
| 5 | 1'-9" | 2'-5" | 2'-7" | 2'-11" | 3'-3" | 3'-8" |
| 6 | 2'-1" | 2'-11" | 3'-1" | 3'-6" | 3'-10" | 4'-5" |
| 7 | 2'-9" | 3'-10" | 4'-2" | 4'-8" | 5'-2" | 5'-10" |
| 8 | 3'-8" | 5'-1" | 5'-5" | 6'-2" | 6'-9" | 7'-8" |
| 9 | 4'-7" | 6'-5" | 6'-10" | 7'-9" | 8'-7" | 9'-8" |

- Table 1: Black bar, 0.8 Class C
- Table 2: Black bar, Top bar lap, 0.8 Class C
- Table 3: Epoxy bar, 0.8 Class C
- Table 4: Epoxy bar, Top bar lap, 0.8 Class C
- Table 5: Epoxy bar, Class C
- Table 6: Epoxy bar, Top bar lap, Class C

Threaded splicer bar length = min. lap length + 1/2" + thread length

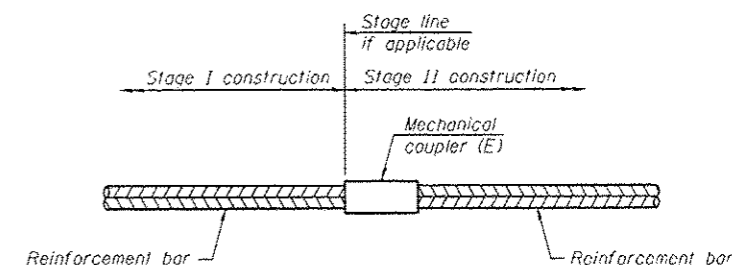
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

| Location | Bar size | No. assemblies required | Table for minimum lap length |
|--------------|----------|-------------------------|------------------------------|
| Pier | #6 | 70 | Table 5 |
| Pier | #9 | 34 | Table 5 |
| Deck | #6 | 8 | Table 5 |
| Deck | #5 | 2,386 | Table 5 |
| W. Diaphragm | #6 | 10 | Table 5 |
| E. Diaphragm | #6 | 10 | Table 5 |



INSTALLATION AND SETTING METHODS

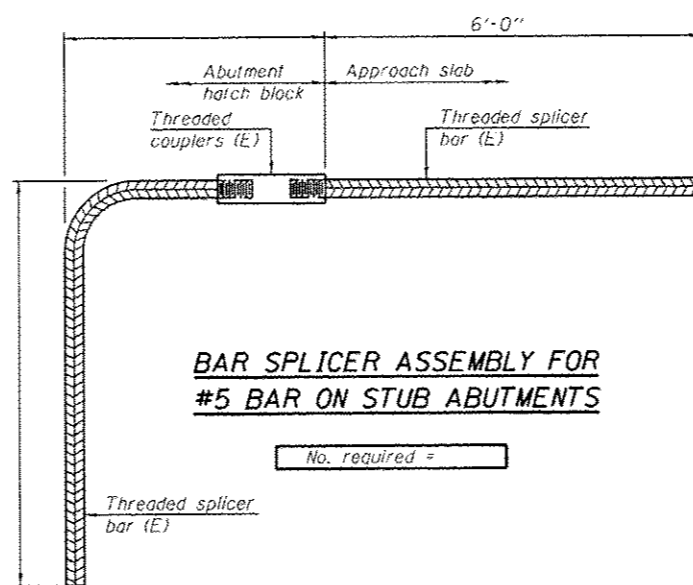
"A": Set bar splicer assembly by means of a template bolt.
 "B": Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
 (E): Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

| Location | Bar size | No. assemblies required |
|----------------|----------|-------------------------|
| W. Diaphragm | #6 | 8 |
| E. Diaphragm | #6 | 8 |
| Pier Crashwall | #6 | 120 |

| Location | Bar size | No. assemblies required | Table for minimum lap length |
|---------------|----------|-------------------------|------------------------------|
| W. Appr. Slab | #4 | 50 | Table 5 |
| W. Appr. Slab | #5 | 172 | Table 5 |
| E. Appr. Slab | #4 | 50 | Table 5 |
| E. Appr. Slab | #5 | 172 | Table 5 |
| W. Abutment | #5 | 12 | Table 5 |
| W. Abutment | #7 | 16 | Table 5 |
| E. Abutment | #5 | 12 | Table 5 |
| E. Abutment | #7 | 16 | Table 5 |



NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
 All reinforcement shall be lapped and tied to the splicer bars.
 Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
 See approved list of bar splicer assemblies and mechanical splicers for alternatives.

BSD-1 8-31-12
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Entire sheet revised

| | | | |
|--|-----------------------|----------------|-------------------------|
| FILE NAME: 0900169_68620_44_b-splc.dgn | USER NAME: mbecker | DESIGNED: MFB | REVISED: 10/23/2012 MFB |
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| | PLOT DATE: 10/22/2012 | CHECKED: MRB | REVISED: - |

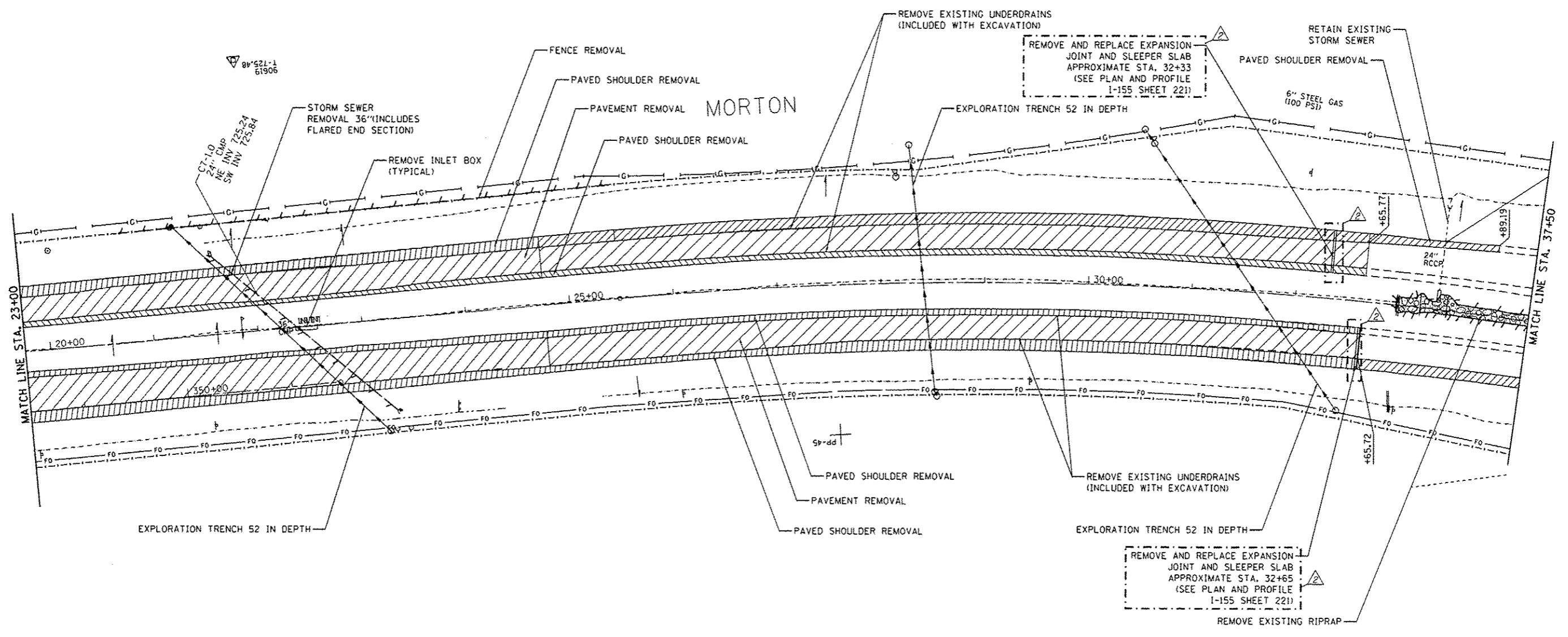
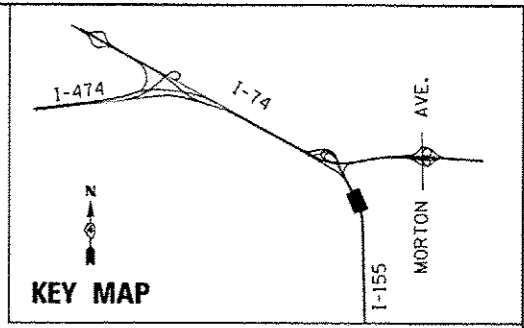
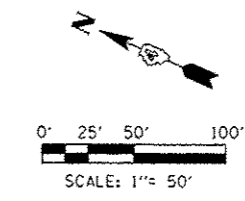
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
 STRUCTURE NO. 090-0169
 SHEET NO. SC44 OF SC63 SHEETS

| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|------------------------------|----------|--------------|-----------|
| 74 | 90-(14R)(14H)-4,14,14HVB(BR) | TAZEWELL | 2433 | 2020 |

CONTRACT NO. 68620
 ILLINOIS FED. AID PROJECT

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NOTE

1. SEE MAINTENANCE OF TRAFFIC PLAN FOR ALL SIGN REMOVALS.
2. FOR LIGHTING REMOVALS SEE LIGHTING REMOVAL PLANS.
3. DELINEATOR REMOVALS SHALL BE PAID FOR UNDER "DELINEATOR REMOVAL" (VERIFY IN FIELD FOR LOCATIONS)

LEGEND

| | | | |
|-----------------|---------------------------|--|-------------------------|
| * (with circle) | REMOVE SIGN POST | | REMOVE FIELD TILE |
| ⊗ (with circle) | REMOVE TREE | | REMOVE PAVED DITCH |
| ⊗ (with circle) | REMOVE IMPACT ATTENUATOR | | REMOVE FENCE |
| ⊗ (with circle) | REMOVE MANHOLE | | STORM SEWER REMOVAL |
| ⊗ (with circle) | INLET REMOVAL | | REMOVE EXISTING RIPRAP |
| ⊗ (with circle) | CATCHBASIN REMOVAL | | PAVEMENT REMOVAL |
| ⊗ (with circle) | CONCRETE HEADWALL REMOVAL | | PAVED SHOULDER REMOVAL |
| | REMOVE GUARDRAILS | | CONCRETE MEDIAN REMOVAL |
| | REMOVE CABLE GUARD | | |

| | | |
|---|------------------|--------------------------|
| FILE NAME: D458628-sh1-em22-1155-mo.dgn | DESIGNED - HTL | REVISED - 10/23/2012 HTL |
| USER NAME: TERRA | DRAWN - HTL | REVISED - |
| PLDT DATE: 7/16/2012 | CHECKED - DA/LVA | REVISED - |
| | DATE - 7/20/2012 | REVISED - |



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
TEMPORARY PAVEMENT DETAILS**

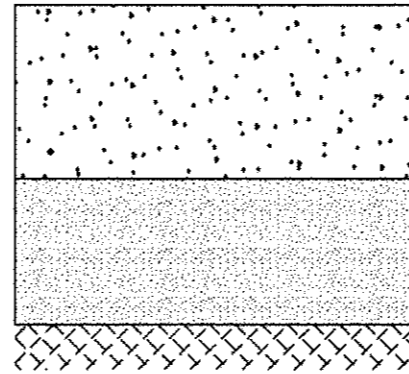
SCALE: 1"=50' SHEET NO. 18 OF 19 SHEETS STA. 23+00 TO STA. 37+50

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| F.A.I. RTE.: | SECTION: | COUNTY: | TOTAL SHEETS: | SHEET NO.: |
| 90-[14R]14HB-4,14,14HB1BR | | TAZEWELL | 2433 | 206 |
| CONTRACT NO. 68620 | | | ILLINOIS FED. AID PROJECT | |

ALTERNATE PCC PAVEMENT DETAIL FOR

TEMPORARY I-74 RUNAROUND PAVEMENT
 TEMPORARY I-155 RAMP F PAVEMENT
 TEMPORARY INTERSECTION PAVEMENT PLACED
 BETWEEN MORTON AVENUE AND MORTON AVENUE RAMP E

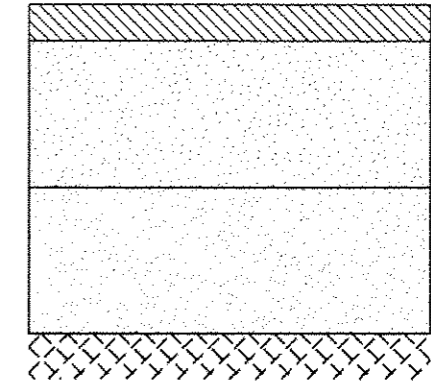
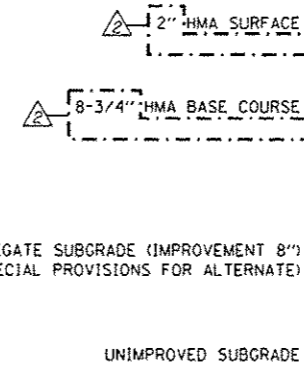
9-1/2" PCC BASE COURSE
 AGGREGATE SUBGRADE (IMPROVEMENT 8")
 (SEE SPECIAL PROVISIONS FOR ALTERNATE)
 UNIMPROVED SUBGRADE



ALTERNATE HMA PAVEMENT DETAIL FOR

TEMPORARY I-74 RUNAROUND PAVEMENT
 TEMPORARY I-155 RAMP F PAVEMENT
 TEMPORARY INTERSECTION PAVEMENT PLACED
 BETWEEN MORTON AVENUE AND MORTON AVENUE RAMP E

2" HMA SURFACE
 8-3/4" HMA BASE COURSE
 AGGREGATE SUBGRADE (IMPROVEMENT 8")
 (SEE SPECIAL PROVISIONS FOR ALTERNATE)
 UNIMPROVED SUBGRADE



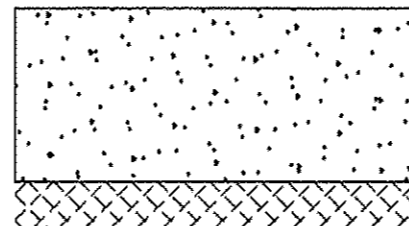
HMA MIX DESIGN INFORMATION

| | | |
|--|-------------------|---------------|
| STRUCTURAL DESIGN TRAFFIC: | YEAR 2014 | |
| PV = 0 | SU = 500 | MU = 1500 |
| ROAD CLASSIFICATION | CLASS I | |
| PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE: | | |
| P = 32% | S = 45% | M = 45% |
| TRAFFIC FACTOR: | ACTUAL TF = 3.61 | AC TYPE = N/A |
| | MINIMUM TF = 0.50 | |
| SUBBASE = VARIES (SEE SPECIAL PROVISION) | | |
| SUBGRADE SUPPORT RATING: | | |
| SSR = PQ0B | | |

ALTERNATE PCC PAVEMENT DETAIL FOR

ALL OTHER TEMPORARY PAVEMENT LOCATIONS

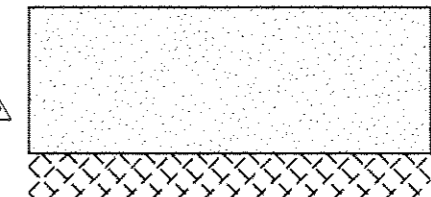
9-1/2" PCC BASE COURSE
 TEMPORARY PAVEMENT SUBGRADE
 (SEE SPECIAL PROVISION)



ALTERNATE HMA PAVEMENT DETAIL FOR

ALL OTHER TEMPORARY PAVEMENT LOCATIONS

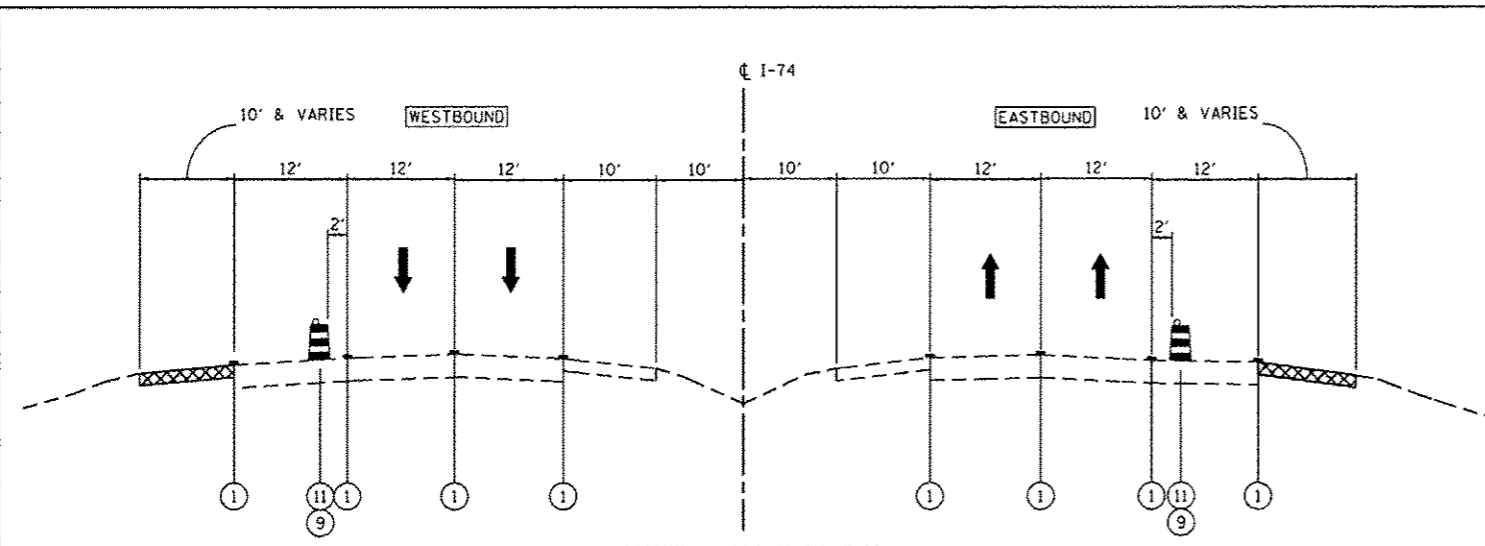
10-3/4" HMA BASE COURSE
 TEMPORARY PAVEMENT SUBGRADE
 (SEE SPECIAL PROVISION)



NOTE

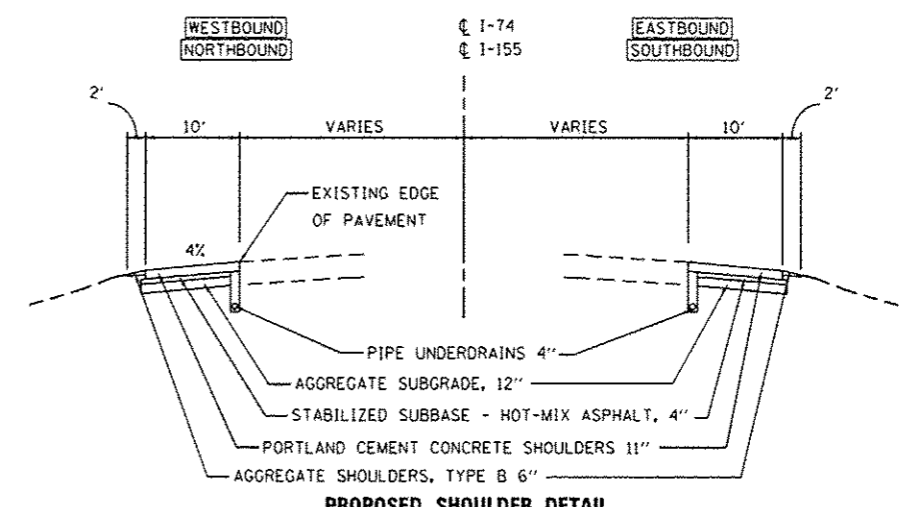
- SEE SPECIAL PROVISION FOR TEMPORARY PAVEMENT.
- SEE GENERAL NOTES, SHEET 5 FOR MIXTURE DESIGN REQUIREMENTS FOR ALL HMA PAVEMENT LAYERS.

| | | | | | | | | | | |
|--|------------------|--------------------------|--|---|--|-----------------------------|----------|--------|--------------|--------------------|
| FILE NAME: D468020-eh1-details.rgn.dgn | DESIGNED - HTL | REVISED - 10/23/2012 HTL | | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | MAINTENANCE OF TRAFFIC TEMPORARY PAVEMENT DETAILS | F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| USER NAME: TERRA | DRAWN - HTL | REVISED - | | | | 90-114R(14)B-4,14,14HVB(BR) | TAZEWELL | 2433 | 261 | CONTRACT NO. 68620 |
| PLY DATE: 7/16/2012 | CHECKED - DA/LVA | REVISED - | | | SCALE: SHEET NO. 2 OF 14 SHEETS | STA. TO STA. | | | | |



**MAINTENANCE OF TRAFFIC
TYPICAL SECTION - PRE-STAGE SUB STAGE B
I-74**

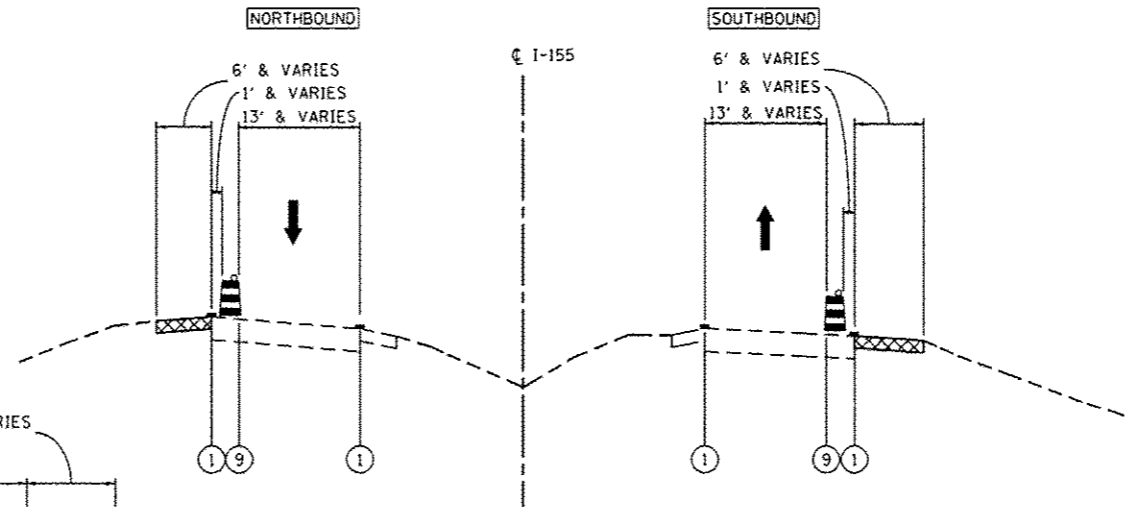
PRE STAGE SUB STAGE A -
I-74 STA 464+55 TO STA 516+00 WB
I-74 STA 473+00 TO STA 511+08 EB
(SEE PROPOSED SHOULDER DETAIL)



PROPOSED SHOULDER DETAIL

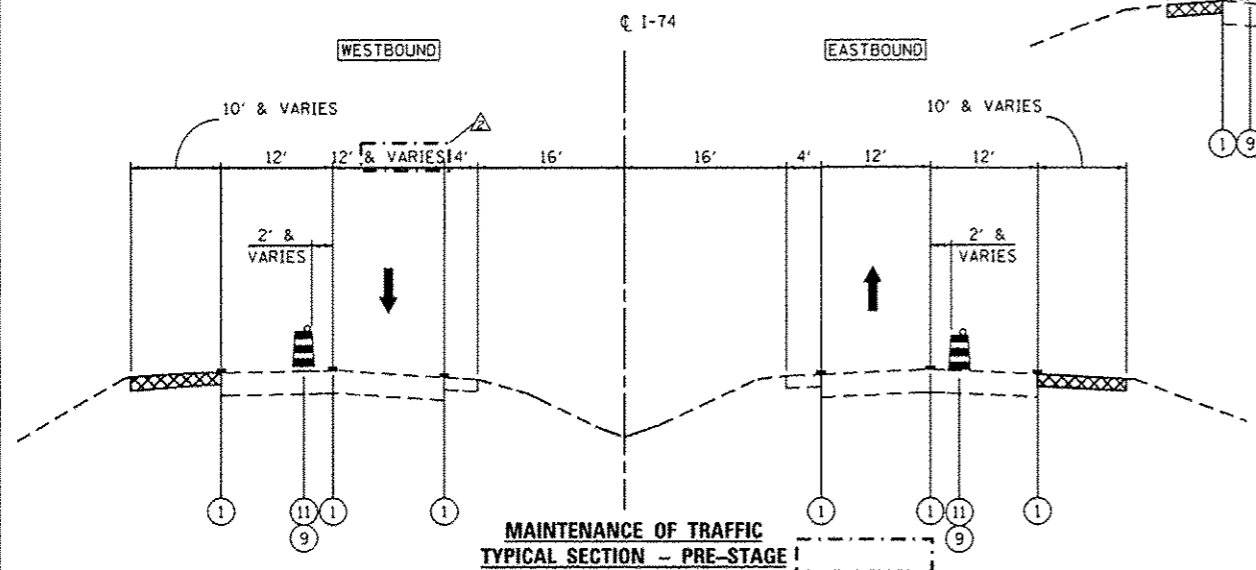
PRE STAGE SUB STAGE A -
I-74 STA 589+09 TO STA 597+89 WB
PRE STAGE SUB STAGE B -
I-74 STA 461+70 TO STA 464+55 WB
I-74 STA 596+68 TO STA 605+88 WB
I-155 STA 35+90 TO STA 43+50 SB

PRE STAGE SUB STAGE A -
I-74 STA 619+67 TO STA 623+50 EB
I-155 STA 45+40 TO STA 48+28 NB
PRE STAGE SUB STAGE B -
I-74 STA 455+04 TO STA 473+00 EB
I-155 STA 35+90 TO STA 37+13 NB



**MAINTENANCE OF TRAFFIC
TYPICAL SECTION - PRE-STAGE
I-155**

PRE STAGE SUB STAGE A -
STA 9+70 TO STA 13+86 NB
STA 11+09 TO STA 18+50 SB
PRE STAGE SUB STAGE B -
STA 14+96 TO STA 35+90 NB
STA 336+53 (RAMP F) TO STA 35+90 SB



**MAINTENANCE OF TRAFFIC
TYPICAL SECTION - PRE-STAGE
I-74**

PRE STAGE SUB STAGE A -
STA 520+00 TO STA 533+75 WB
STA 583+13 TO STA 589+09 WB
STA 520+23 TO STA 548+45 EB
STA 581+26 TO STA 591+48 EB
STA 615+04 TO STA 619+67 EB
(OMIT ALL BRIDGES)
PRE STAGE SUB STAGE B -
STA 535+81 TO STA 579+12 WB
STA 554+60 TO STA 578+50 EB
STA 594+00 TO STA 609+51 EB
(OMIT ALL BRIDGES)

LEGEND:

- ① EXISTING PAVEMENT MARKING
- ② TEMPORARY PAVEMENT MARKING FROM PREVIOUS STAGE
- ③ PROPOSED PAVEMENT MARKING IN PLACE
- ④ PAVEMENT MARKING, 4" SOLID WHITE
- ⑤ PAVEMENT MARKING, 8" SOLID WHITE
- ⑥ PAVEMENT MARKING, 4" SOLID YELLOW
- ⑦ PAVEMENT MARKING, 4" DOTTED WHITE (3' SKIP, 9' DASH)
- ⑧ PAVEMENT MARKING, 4" SKIP-DASH WHITE (30' SKIP, 10' DASH)
- ⑨ DRUMS WITH STEADY BURNING WARNING LIGHTS AT 25' CENTERS
- ⑩ DRUMS WITH STEADY BURNING WARNING LIGHTS AT 50' CENTERS
- ⑪ DRUMS WITH STEADY BURNING WARNING LIGHTS AT 100' CENTER
- ⑫ DRUMS WITH STEADY BURNING WARNING LIGHTS 1000' CENTERS
- ⑬ PAVEMENT MARKING, 4" SOLID DOUBLE YELLOW
- ⑭ VERTICAL DELINEATOR PANELS
- ⑮ TEMPORARY GEOTEXTILE RETAINING WALL
- ⑯ PROPOSED CONCRETE BARRIER
- ⑰ TEMPORARY CONCRETE BARRIER
- ⑱ GLARE SCREEN
- ▨ PROPOSED PAVEMENT CONSTRUCTION
- ▩ TEMPORARY PAVEMENT CONSTRUCTION
- ⊠ ON-GOING EARTHWORK FOR PROPOSED PAVEMENT

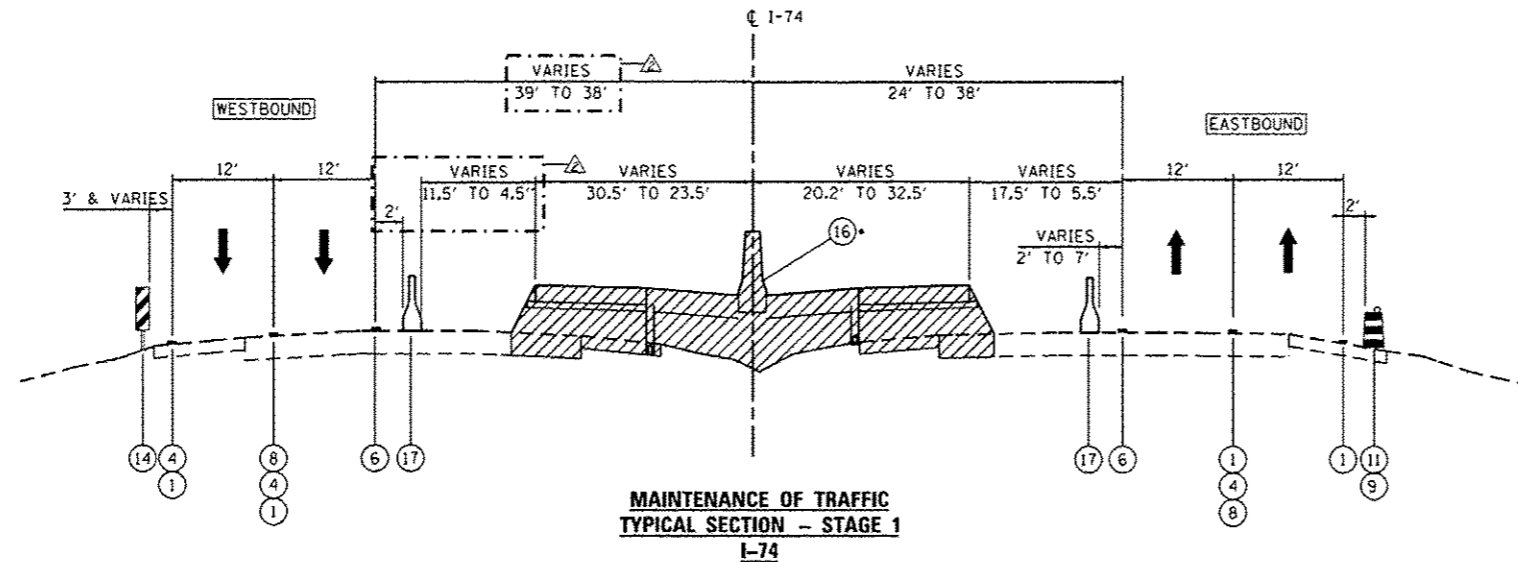
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|---|------------------|--------------------------|
| FILE NAME : D:\68620\pht-typical\01-08.dgn | DESIGNED - HTL | REVISED - 10/23/2012 HTL |
| USER NAME : TERRA | DRAWN - HTL | REVISED - |
| PLOT DATE : 7/16/2012 | CHECKED - DA/LVA | REVISED - |
| | DATE - 7/20/2012 | REVISED - |



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

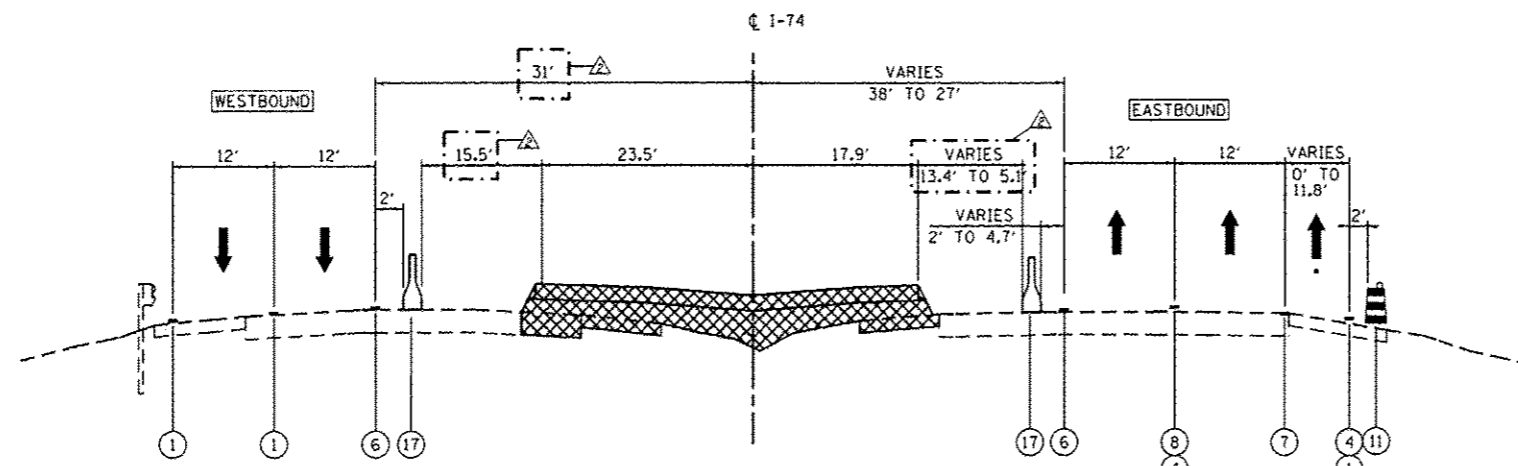
**MAINTENANCE OF TRAFFIC
TEMPORARY PAVEMENT DETAILS**
SCALE: SHEET NO. 3 OF 50 SHEETS STA. TO STA.

| | | | | |
|-----------------------------|----------|--------|---------------------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 80-(14R)(14HB-4,14,14HB1BR) | TAZEWELL | 2433 | 276 | |
| CONTRACT NO. 68620 | | | ILLINOIS FED. AID PROJECT | |



STA 467+07 TO STA 508+25

•CONSTRUCT PROPOSED MEDIAN BARRIER AT THE FOLLOWING STATIONS:
STA 473+00 TO STA 475+46
STA 476+54 TO STA 490+00
(OMIT BRIDGE)



TEMPORARY PAVEMENT TRANSITION FROM PROPOSED
ELEVATING AT STATION 508+25 TO EXISTING CROSS
OVER PAVEMENT ELEVATIONS AT STATION 511+25

STA 508+25 TO STA 511+25

•RAMP F EXIT
STA 508+25 TO STA 511+25

LEGEND:

- ① EXISTING PAVEMENT MARKING
- ② TEMPORARY PAVEMENT MARKING FROM PREVIOUS STAGE
- ③ PROPOSED PAVEMENT MARKING IN PLACE
- ④ PAVEMENT MARKING, 4" SOLID WHITE
- ⑤ PAVEMENT MARKING, 8" SOLID WHITE
- ⑥ PAVEMENT MARKING, 4" SOLID YELLOW
- ⑦ PAVEMENT MARKING, 4" DOTTED WHITE (3' SKIP, 9' DASH)
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- ⑩ DRUMS WITH STEADY BURNING WARNING LIGHTS AT 50' CENTERS
- ⑪ DRUMS WITH STEADY BURNING WARNING LIGHTS AT 100' CENTERS
- ⑫ DRUMS WITH STEADY BURNING WARNING LIGHTS 1000' CENTERS
- ⑬ PAVEMENT MARKING, 4" SOLID DOUBLE YELLOW
- ⑭ VERTICAL DELINEATOR PANELS
- ⑮ TEMPORARY GEOTEXTILE RETAINING WALL
- ⑯ PROPOSED CONCRETE BARRIER
- ⑰ TEMPORARY CONCRETE BARRIER
- ⑱ GLARE SCREEN
- ▨ PROPOSED PAVEMENT CONSTRUCTION
- ▩ TEMPORARY PAVEMENT CONSTRUCTION
- ⊠ ON-GOING EARTHWORK FOR PROPOSED PAVEMENT

| | | |
|-----------------------------|------------------|--------------------------|
| FILE NAME : | DESIGNED - HTL | REVISED - 10/23/2012 HTL |
| D:\6820-ah-typica101-81.dgn | DRAWN - HTL | REVISED - |
| USER NAME : TERRA | CHECKED - DA/LVA | REVISED - |
| PLOT DATE : 7/16/2012 | DATE - 7/20/2012 | REVISED - |



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
TEMPORARY PAVEMENT DETAILS

SCALE: SHEET NO. 3 OF 52 SHEETS STA. TO STA.

| | | | | |
|------------------------------|---------|----------|--------------------|-----------|
| F.A.I. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| 90-114R(1)4HB-4,14,14HYB(BR) | | TAZEWELL | 2433 | 326 |
| | | | CONTRACT NO. 68620 | |
| ILLINOIS FED. AID PROJECT | | | | |