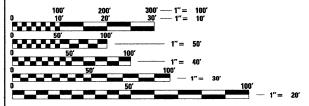
| SHEET NO. | DESCRIPTION |
|-----------|--|
| 1 | COVER SHEET |
| 2 | GENERAL NOTES & SPECIFICATIONS |
| 3 | SUMMARY OF QUANTITIES |
| 4 | TYPICAL SECTIONS |
| 5 | PLAN AND PROFILE |
| 6 | TEMPORARY DETOUR PLAN |
| 7 | STRIPING, EROSION CONTROL & RESTORATION PLAN |
| 8-16 | BRIDGE PLANS |
| 17-18 | CROSS SECTIONS |

| | BRIDGE PLANS CROSS SECTIONS |
|--|---|
| | STATE STANDARDS |
| 000001-05 280001-05 515001-03 542301-02 602001-01 602401-02 604001-03 604006-04 630001-08 630001-08 630301-08 635006-03 | CATCH BASIN TYPE A MANHOLE TYPE A FRAME AND LIDS TYPE 1 FRAME AND GRATE TYPE 3 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER STEEL PLATE BEAM GUARDRAIL SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS TRAFFIC BARRIER TERMINAL, TYPE 6 REFLECTOR AND TERMINAL MARKER PLACEMENT |
| 635011-02 701006-03 | OFF-RD OPERATIONS, 2L, 2W, 15' (4.5M) TO 24" (600mm) FROM PAVEMENT EDGE |
| 701201-03 701301-03 | LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH LANE CLOSURE, 2L,2W, SHORT TIME OPERATIONS |
| 701901-01 720001-01 720006-02 720011-01 728001-01 729001-01 | |
| 780001-02 BLR 21-8 | TYPICAL PAVEMENT MARKINGS TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS |
| 701801-04 | LANE CLOSURE MULTILANE IW OR ZW CROSSWALK OR SIDEWALK CLOGURE |
| BLR 22-6 | TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS |
| | |

STRUCTURE INFORMATION:

EXISTING SN: 101-6124: EXISTING THREE SPAN STRUCTURE CONSISTS OF CONTINUOUS REINFORCED CONCRETE SLAB WITH AN OUT-TO-OUT WIDTH OF 39'-O" AND A TOTAL LENGTH OF 76"-3 5/8" BK, TO BK.
ABUTMENTS WITH A 9 DEGREE 56 MINUTE SKEW. THE SUBSTRUCTURES CONSIST OF PILE BENT PIERS AND ABUTMENTS, SUPERSTRUCTURE TO BE REMOVED AS SHOWN. SALVAGED EXISTING ALUMINUM RAILINGS TO REMAIN

PROPOSED WORK INCLUDES PLACING A REINFORCED CONCRETE SLAB



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD **ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT** CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123

CONTRACT NO. 85508

IMPROVEMENTS BEGINS

ROCKFORD TOWNSHIP

GROSS LENGTH OF IMPROVEMENT = 176 FT. = 0.03 MILES NET LENGTH OF IMPROVEMENT = 176 FT. = 0.03 MILES

ROBERT G. DAVIES, S.E., P.E.

DATE

PROFESSIONAL ENGINEER'S SIGN & SEAL

KEVIN M. ARFT, P.E.

01-26-2010

11-30-2011

SECTION COUNTY 09-00557-00-BR Winnebago ILLINOIS CONTRACT NO. 85508

CITY OF ROCKFORD

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAU ROUTE 5102 CENTRAL AVENUE OVER THE SOUTH BRANCH OF KENT CREEK SECTION 09-00557-00-BR BRIDGE SUPERSTRUCTURE REPLACEMENT PROJECT NO. BHM-5099 (081) S.N. 101-6124 **WINNEBAGO COUNTY** C-92-097-09

RANGE 1 EAST

PROJECT LOCATION

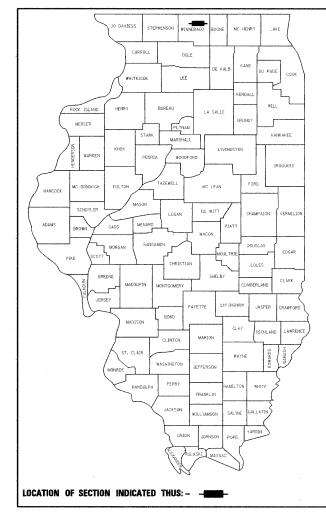
END IMPROVEMENTS STA. 9+12.47

FUNCTIONAL CLASSIFICATION MINOR ARTERIAL (URBAN)

> DESIGN SPEED CENTRAL AVE.: 35 MPH

> SPEED LIMIT **CENTRAL AVE.: 30 MPH**

ADT = 5,800 (2008) ADT = 7,200 (2030) 4% TRUCKS



PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

| | CITY OF ROCKFORD |
|--|---|
| APPROVED | JANUARY 27, 2010 Bul T. Moberg (DATE) CITY OF ROCKFORD, CITY ENGINEER |
| PASSED | DISTRICT 2 ENGINEER OF LOCAL ROADS & STREETS |
| LEASING FOR BID ASED ON LIMITED REVIEW | DEBUTY DIRECTOR OF HIGHWAYS, REGION 2 ENGINEER |

STRUCTURAL ENGINEER'S SIGN & SEAL Most le in 1-26-2010 EXPIRES

ENGINEER AND SURVEYOR:

SEC GROUP INC. 420 NORTH FRONT STREET MCHENRY, ILLINOIS 60050-2136

BOB DAVIES, S.E., P.E. - STRUCTURAL ENGINEER KEVIN M. ARFT, P.E. - PROJECT ENGINEER

NOT TO SCALE

062-059077 REGISTERED PROFESSIONAL ENGINEER OF

GENERAL NOTES

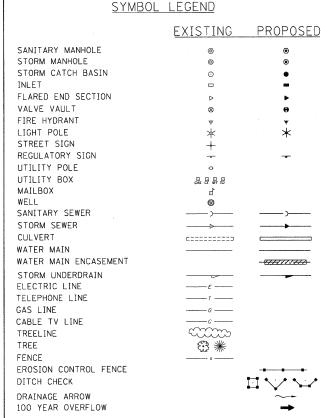
- REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL, AND POROUS GRANULAR EMBANKMENT SUBGRADE HAS BEEN ADDED FOR USE IF UNSUITABLE MATERIAL IS ENCOUNTERED IN THE FIELD, AS DETERMINED BY THE ENGINEER. IF UNSUITABLE AND/OR UNSTABLE MATERIALS IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO COMPENSATION WILL BE DUE THE CONTRACTOR.
- 2. FORTY EIGHT HOURS BEFORE STARTING EXCAVATION THE CONTRACTOR WILL CALL J.U.L.I.E. (1-800-892-0123) TO HAVE THE LOCATION OF EXISTING UTILITIES
- 3. THE CONTRACTOR SHALL CONTACT THE CITY OF ROCKFORD AT LEAST 72 HOURS IN ADVANCE OF BEGINNING ANY WORK ON CENTRAL AVENUE.
- 4. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON CITY PROPERTY WITHOUT WRITTEN PERMISSION FROM THE CITY OF ROCKFORD.
- 5. PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AFFECTING THEIR WORK WITH THE ACTUAL CONDITIONS AT THE JOB SITE. IN ADDITION, THE CONTRACTOR MUST VERIFY THE ENGINEER'S LINE AND GRADE STAKES, IF THERE ARE ANY DISCREPANCIES FROM WHAT IS SHOWN ON THE CONSTRUCTION PLANS, HE MUST IMMEDIATELY REPORT SAME TO THE ENGINEER BEFORE DOING ANY WORK, OTHERWISE THE CONTRACTOR ASSUMES FULL RESPONSIBILITY. IN THE EVENT OF DISAGREEMENT BETWEEN THE CONSTRUCTION PLANS, STANDARD SPECIFICATIONS AND/OR SPECIAL DETAILS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTIONS FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY OMISSIONS OR DISCREPANCIES. FAILING TO SECURE SUCH INSTRUCTIONS, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS OWN RISK AND EXPENSE. IN THE EVENT OF ANY DOUBT OR QUESTION ARISING WITH RESPECT TO THE TRUE MEANING OF THE CONSTRUCTION PLANS OR SPECIFICATIONS, THE DECISION OF THE ENGINEER SHALL BE FINAL AND CONCLUSIVE.
- 6. THE LENGTH OF "GUARDRAIL REMOVAL" INCLUDES THE LENGTH OF THE TRAFFIC BARRIER TERMINALS.
- 7. THE WORK UNDER THIS CONTRACT SHALL CONFORM TO ALL REGULATIONS GIVEN IN THE ARMY CORPS OF ENGINEERS PERMIT ISSUED FOR THE PROJECT.
- 8. REMOVAL AND RELOCATION OF EXISTING SIGNS AND EXISTING TRAFFIC CONTROL SIGNS WILL NOT BE PAID SEPARATELY BUT WILL BE INCLUDED IN THE UNIT COST OF THE PAY ITEMS PERSUANT TO ARTICLE 107 OF THE "STANDARD SPECIFICATIONS"
- 9. THE CONTRACTOR SHALL PROVIDE ACCESS TO ALL ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT, EXCEPT FOR PERIODS OF SHORT DURATION AS DETERMINED
- 10. THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS
- 11. EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.
- 12. OFFSET LOCATIONS GIVEN IN THE PLANS FOR STRUCTURES, EDGE OF PAVEMENT, ETC. ARE FROM THE ROADWAY CENTERLINE UNLESS NOTED OTHERWISE.
- 13. ALL ELEVATIONS REFERRING TO U.S.G.S. MEAN SEA LEVEL DATUM.
- 14. ADDITIONAL SHOULDER WIDENING INDICATED IN HIGHWAY STANDARD 630301-05 WILL NOT BE REQUIRED
- 15. THE EXISTING BRIDGE DESIGN PLANS ARE AVAILABLE AT THE CITY OF ROCKFORD.
- UTILITY CONTACTS

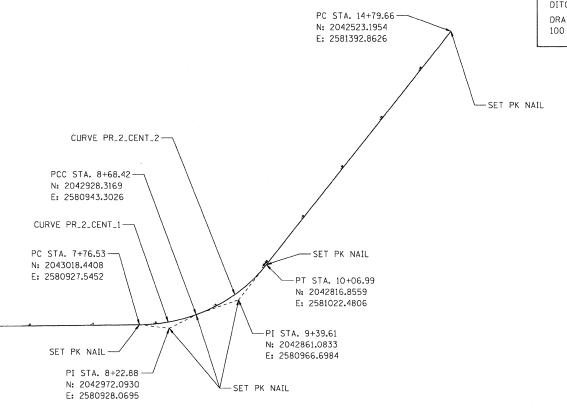
| CITY OF ROCKFORD WATER DIVISION | GREG CASSARO | (815) 987-3084 |
|--|---------------|----------------|
| ROCK RIVER WATER RECLAMATION DISTRICT | MIKE OLSON | (815) 387-7663 |
| COMCAST | MICHAEL OWENS | (815) 509-7876 |
| COMED | MIKE LENOX | (815) 490-2869 |
| AT&T | STEVEN JONES | (815) 394-7270 |
| NICOR | CHRIS WINTERS | (815) 455-0271 |

16. THE LOCATION OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND ANY OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR. THIS WORK SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITIES EVEN THOUGH THEY MIGHT NOT BE SHOWN ON THE PLANS. ANY UTILITY PROPERTY DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER AT THE CONTRACTOR'S EXPENSE.

- 18. ANY LOOSE MATERIAL DEPOSITED IN THE FLOWLINES OF DRAINAGE STRUCTURES WHICH OBSTRUCT THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.
- 19. WHERE NEW WORK MEETS EXISTING FEATURES TO REMAIN, THE CONTRACTOR SHALL FIELD CHECK ALL DIMENSIONS AND ELEVATIONS PRIOR TO PROCEEDING WITH CONSTRUCTION AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
- 20. SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE
- 21. SAW CUTTING WILL BE REQUIRED FOR ALL REMOVAL ITEMS LISTED IN SECTION 440 OF THE STANDARD SPECIFICATIONS, SHOWN IN THE PLANS, AND AS DIRECTED BY THE ENGINEER, THE COST OF SAW CUTTING WILL BE INCLUDED IN CONTRACT UNIT BID PRICES FOR THE ITEMS BEING REMOVED.
- 22. THE COST FOR FURNISHING AND INSTALLING REFLECTOR MARKERS IN ACCORDANCE WITH HIGHWAY STANDARDS 635006 AND 635011 IS INCLUDED IN THE COST OF TRAFFIC BARRIER TERMINALS. OF THE TYPE SPECIFIED.





SCALE: NTS

STANDARD ABBREVIATIONS

B-B - BACK TO BACK OF CURB B.C. - BACK OF CURB

B.O.C. - BACK OF CURB

B.S.L. - BUILDING SETBACK LINE

C.B. - STORM CATCH BASIN C.E. - COMMONWEALTH EDISON CO.

D.E. - DRAINAGE EASEMENT

E-E - EDGE TO EDGE OF PAVEMENT

E.O.P. - EDGE OF PAVEMENT

E.O.S. - EDGE OF SHOULDER

E.P. - EDGE OF PAVEMENT

E.S. - EDGE OF SHOULDER F.E.S. - FLARED END SECTION

I.B.T. - ILLINOIS BELL TELEPHONE CO.

I.F. - LANDSCAPE EASEMENT

M.H. - MANHOLE (TYPE SPECIFIED ON

PLANS) R.O.W. - RIGHT OF WAY

T.B.F. - TRENCH BACKFILL

T.C. - TOP OF CURB

T.C.E. - TEMPORARY CONSTRUCTION

EASEMENT T.O.B. - TOP OF BERM

T.O.C. - TOP OF CURB

U.E. - UTILITY EASEMENT

SEC Group, Inc.

JSER NAME = whood DESIGNED - KMA REVISED REVISED FILE NAME = 090026-Nim01.dan DRAWN WJH PLOT SCALE = NTS CHECKED - TH REVISED REVISED

SEE PLAN AND PROFILE FOR ADDITIONAL CURVE INFORMATION

CITY OF ROCKFORD

ALIGNMENT DETAIL

-SET PK NAIL

-- POT STA. 3+82.00

N: 2043412.9487

E: 2580923.0828

CENTRAL AVENUE OVER THE SOUTH BRANCH OF KENT CREEK **GENERAL NOTES AND SPECIFICATIONS** SHEET NO. 1 OF SHEETS STA.

COUNTY TOTAL SHEE SECTION 5102 09-00557-00-BR Winnebago 18 2 CONTRACT NO. 85508 FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT

| | SUMMARY OF QUANTITIES | | TOTAL | CONSTRUCTIO ROADWAY | BRIDGE |
|----------------|---|---------|----------|------------------------|---------|
| CODE NUMBER | PAY ITEMS | UNIT | QUANTITY | 1000 | X020-2/ |
| 2020120 | REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL | CU. YD. | 44.4 | 44.4 | |
| 2070040 | POROUS GRANULAR EMBANKMENT, SPECIAL | CU. YD. | 32.6 | | 32.6 |
| 2070042 | POROUS GRANULAR EMBANKMENT, SUBGRADE | CU. YD. | 44.4 | 44.4 | |
| 21101615 | TOPSOIL FURNISH AND PLACE, 4" | SO. YD. | 316 | 316 | |
| 2500021 | SEEDING CLASS 2A | ACRE | 0.10 | 0.10 | |
| 2500040 | NITROGEN FERTILIZER NUTRIENT | POUND | 9 | 9 . | |
| 2500050 | PHOSPHOROUS FERTILIZER NUTRIENT | POUND | 9 | 9 | |
| 2500060 | D POTASSIUM FERTILIZER NUTRIENT | POUND | 9 | . 9 | |
| 2510063 | D EROSION CONTROL BLANKET | SO. YD. | 316 | 316 | |
| 2800030 | TEMPORARY DITCH CHECKS | FOOT | 32 | 32 | |
| 2800040 | PERIMETER EROSION BARRIER | FOOT | 532 | 532 | |
| 2810010 | STONE RIPRAP CLASS A5 | 50. YD. | 523 | | 523 |
| 2820020 | FILTER FABRIC | SO. YD. | 523 | | 523 |
| 31101200 | SUB-BASE GRANULAR MATERIAL, TYPE B, 4" | SO. YD. | 156 | 156 | |
| 4060010 | BITUMINOUS MATERIALS (PRIME COAT) | GAL. | 64 | 64 | |
| 4060098 | 2 HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT | SQ. YD. | 192 | 192 | |
| 4060308 | HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 | TON | 71 | 71 | |
| 4060333 | 6 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 | TON | 36 | 36 | |
| 4240020 | PORTLAND CEMENT CONCRETE SIDEWALK, 5" | SQ. FT. | 245 | 245 | |
| 4400010 | D PAVEMENT REMOVAL | SO. YD. | 127 | 127 | |
| 4400050 | COMBINATION CURB AND GUTTER REMOVAL | FOOT | 90 | 90 | |
| 4400060 | O SIDEWALK REMOVAL | SO. FT. | 245 | 245 | +-+ |
| 5010150 | REMOVAL OF EXISTING SUPERSTRUCTURES | EACH | 1 | | 1 |
| 5020010 | STRUCTURE EXCAVATION | CU. YD. | 32.6 | | 32.6 |
| 5030025 | 5 CONCRETE SUPERSTRUCTURE | CU. YD. | 160.4 | | 160.4 |
| 5030026 | D BRIDGE DECK GROOVING | SO. YD. | 246 | | 246 |
| 5030030 | D PROTECTIVE COAT | SO. YD. | 363 | | 363 |
| 5080020 | 5 REINFORCEMENT BARS, EPOXY COATED | POUND | 42,350 | | 42350 |
| 5090010 | 5 ALUMINUM RAILING, TYPE L | FOOT | 72 | | 72 |
| 5150010 |) NAME PLATES | EACH | 1 | | 1 |
| 5421367 | 5 PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30" | EACH | 1 | 1 | |
| 550A043 | O STORM SEWERS, CLASS A, TYPE 2 30" | FOOT | 78 | 78 | |
| 5510140 | STORM SEWER REMOVAL 30" | FOOT | 42 | 42 | |
| 6020400 | 5 CATCH BASINS, TYPE A, 5' DIAMETER, TYPE 3 FRAME AND GRATE | EACH | 1 | 1 | |
| 6022110 | MANHOLE, TYPE A, 5' DIAMETER, TYPE 1 FRAME, CLOSED LID | EACH | 1 | 1 | |
| 6060440 | O COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 | FOOT | 90 | 90 | |
| 6300000 | 1 STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS | FOOT | 125 | 125 | |
| 6310008 | TRAFFIC BARRIER TERMINAL, TYPE 6 | EACH | 1 | 1 | |
| 6310016 | 7 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT | EACH | 1 | 1 | |
| 6320031 | O GUARDRAIL REMOVAL | FOOT | 254 | 254 | |
| 6700040 | | CAL MO | 4 | 4 | |
| 6710010 | | L SUM | 1 | 0.5 | 0.5 |
| 7010170 | | L SUM | 1 | 1 | |
| 7800511 | | FOOT | 800 | 800 | |
| 7820100 | | EACH | 1 | 1 | |
| | | | 74 | -2- | 74 |
| X561001 | REMOVE AND REINSTALL EXISTING WATER MAIN | FOOT | | | |

[•] DENOTES SPECIALTY ITEM

Δ DENOTES SPECIAL PROVISION

| USER NAME = whood | DESIGNED - | KMA | REVISED - |
|-----------------------------|------------|--------|-----------|
| FILE NAME := 090026-Soq.dgn | DRAWN - | HLW | REVISED - |
| PLOT SCALE = NTS | CHECKED - | TH | REVISED - |
| PLOT DATE = 2/3/2010 | DATE - | 2/3/10 | REVISED - |

LIMITS OF HMA SURFACE REMOVAL - BUTT JOINT
(SEE PLAN AND PROFILE) PROPOSED HMA PAVEMENT

(4), (5), (6), (13) AS SHOWN ON PROPOSED TYPICAL SECTION SEE GENERAL NOTES EXISTING HMA PAVEMENT-PROPOSED HMA RESURFACING

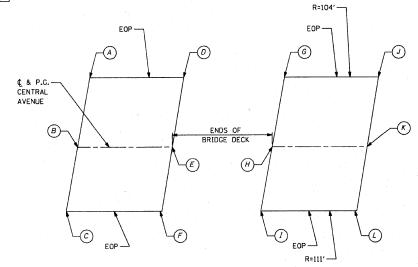
(4) AS SHOWN ON PROPOSED TYPICAL SECTION - EXISTING HMA PAVEMENT

HMA SURFACE REMOVAL - BUTT JOINT DETAIL

STORM SEWER TAGS

- EXIST. MH
 STA. = 7+63.53, 24.8' RT
 RIM = 722.96
 INV = 713.96 N (2-EXIST. 18" RCP)
 INV = 713.96 NW (EXIST 15" RCP)
 INV = 713.95 E (IPROP. 30" RCP)
 CORE INTO EXIST. MH.
 OPENING LEFT FROM REMOVED 30" RCP
 SHALL BE SEALED WITH CLASS SI CONCRETE.
 THE COST FOR CORING PROP. 30" RCP AND
 CLOSING THE OPENING SHALL BE INCLUDED
 IN THE COST OF STORM SEWER 30".
- 5 MH TA 5' DIA CL STA. = 7+85.43, 26.8' LT RIM = 722.00 INV. = 713.01 W INV. = 712.91 S
- 6 29 LIN FT SS CL A 2 30" @ 1.41%
- 7 PRC FLAR END SEC 30" STA. = 8+15.30, 28.9' LT INV. = 712.50
- 2 43 LIN FT SS CL A 2 30" @ 1.50%
- 3 CB TA 5' DIA T3 F&G STA. = 7+84.97, 16.8' LT RIM = 722.53 (FLOWLINE OF CURB) INV. = 713.20 W INV. = 713.10 E
- 4 6 LIN FT SS CL A 2 30" @ 1.50%

CITY OF ROCKFORD



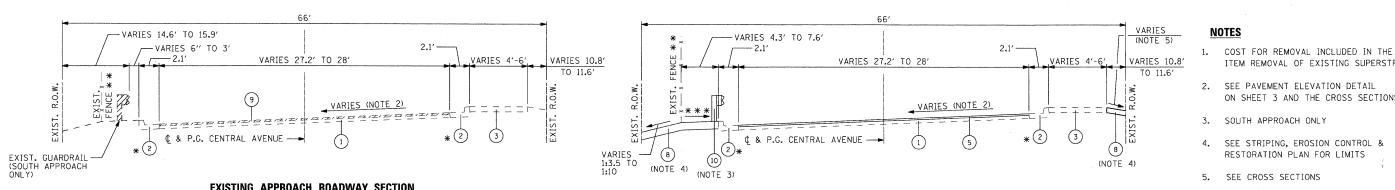
PAVEMENT ELEVATION DETAIL

| POINT | STA | EOP OFFSET | PROP. ELEV. |
|-------|---------|------------|----------------|
| . А | 7+69.94 | 14.72' LT | 722.37 |
| В | 7+67.17 | 0.004 | 722.60 |
| С | 7+64.72 | 13.38' RT | 722.65 |
| . D | 7+90.68 | 15.44' LT | 722.72 |
| E | 7+87.17 | 0.00′ | 723.09 |
| F | 7+84.42 | 13.50' RT | 723.43 |
| G | 8+70.99 | 15.59' LT | 724.12 |
| Н | 8+62.40 | 0.00′ | 724.68 |
| I | 8+55.79 | 13.53' RT | 725.08 |
| J | 8+91.64 | 13.54' LT | 724.50 |
| К | 8+82.40 | 0.00′ | 725.02 |
| L | 8+74.09 | 13.98′ RT | 725.30 |

 COUNTY
 TOTAL SHEETS NO.

 Winnebago
 18
 3

 CONTRACT NO.
 85508
 SECTION CENTRAL AVENUE OVER THE SOUTH BRANCH OF KENT CREEK 5102 09-00557-00-BR SUMMARY OF QUANTITIES SHEET NO. 1 OF SHEETS STA. TO STA.



VARIES -1:3.5 TO 1:10

8

(NOTE 4)

(10)

(NOTE 3)

EXISTING APPROACH ROADWAY SECTION

STA. 7+37.17 TO STA. 7+67.17 STA. 8+82.47 TO STA. 9+12.47

HMA SURFACE COVERS EXIST. GUTTER STA. 8+62.97 TO STA. 9+12.47 SOUTH END ONLY

STA. 7+37.17 TO STA. 7+67.17 STA. 8+82.47 TO STA. 9+12.47

** HMA SURFACE COVERS EXIST. GUTTER

** STA. 8+62.97 TO STA. 9+12.47 SOUTH END ONLY

*** VARIES 1.50% TO MATCHING EXIST.

2.1

VARIES 13' TO 13.5'

— (& P.G. CENTRAL AVENUE (12)*

VARIES (NOTE 2)

15′

VARIES (SEE BRIDGE PLANS) VARIES 4'-6'

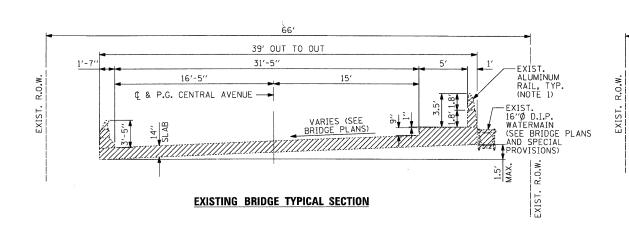
(13)*

2.1 -- 2.1' VARIES 28' TO 29' VARIES 4'-6' VARIES 10.8' TO 11.6' EXIST. FENCE VARIES (NOTE 2) Turannunannunannunannunannun haritannun hari ¢ & P.G. CENTRAL AVENUE ── EXIST. GUARDRAIL (SOUTH APPROACH ONLY)

EXISTING APPROACH ROADWAY SECTION

STA. 7+67.17 TO STA. 7+86.67 STA. 8+62.97 TO STA. 8+82.47

** STA. 8+62.97 TO STA. 9+12.47 SOUTH END ONLY



| HOT-MIX ASPHA | ALT MIXTURE REQUIR | REMENTS |
|---|--------------------|-----------|
| MIXTURE USE | SURFACE | BINDER |
| PG: | PG 64-22 | PG 58-22 |
| DESIGN AIR VOIDS | 4.0 @ N50 | 4.0 @ N50 |
| MIXURE COMPOSITION (GRADIATION MIXTURE) | IL 9.5 OR 12.5 | IL 19.0 |
| FRICTION AGGREGATE | D | N/A |
| 20 YEAR ESAL | 0.0 | 0.0 |
| MIX UNIT WEIGHT | 112 LBS/SY/IN | |
| | | |

PROPOSED APPROACH ROADWAY SECTION

-VARIES 4.3' TO 7.6'

VARIES 15' TO 15.5'

16'-5"

¢ & P.G. CENTRAL AVENUE ---

(5)

-- 2.1

66′

VARIES 28' TO 29'

PROPOSED APPROACH ROADWAY SECTION

STA. 7+55.00 TO STA. 7+86.67 NORTH END STA. 8+62.97 TO STA. 9+12.47 SOUTH END ONLY VARIES 1.50% TO MATCHING EXIST.

66'

39' OUT TO OUT

PROPOSED TYPICAL BRIDGE SECTION

STA. 7+86.67 TO STA. 8+62.97

31'-5"

STA. 7+67.17 TO STA. 7+86.67 STA. 8+62.97 TO STA. 8+82.47

TYPICAL SECTION LEGEND

- EXISTING HMA PAVEMENT (THICKNESS VARIES 5" TO 10")
- EXIST. COMB. CC&G TB6.18
- EXIST. PCC SIDEWALK
- (4) PAVEMENT REMOVAL

(NOTE 5)

VARIES 10.8'

TO 11.6'

EXIST. R.O.V

11

(8) X

(NOTE 4)

- HOT-MIX ASPHALT SURFACE COURSE MIX "D" N50 @ 2"
- HOT-MIX ASPHALT BINDER COURSE IL - 19.0, N50 @ 10"
- SUBBASE GRANULAR MATERIAL, TYPE B 4"
- (8) TOPSOIL FURNISH & PLACE 4" WITH SEEDING CLASS 2A
- HOT-MIX ASPHALT SURFACE REMOVAL BUTT JOINT

ITEM REMOVAL OF EXISTING SUPERSTRUCTURE

ON SHEET 3 AND THE CROSS SECTIONS.

2. SEE PAVEMENT ELEVATION DETAIL

4. SEE STRIPING, EROSION CONTROL &

RESTORATION PLAN FOR LIMITS

3. SOUTH APPROACH ONLY

SEE CROSS SECTIONS

- STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS (SOUTH APPROACH ONLY)
- RE-ATTACH 16" DIA. D.I.P. WATER MAIN WITH NEW HANGERS (SEE BRIDGE PLANS)
- COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
- (13) PORTLAND CEMENT CONCRETE SIDEWALK 5"

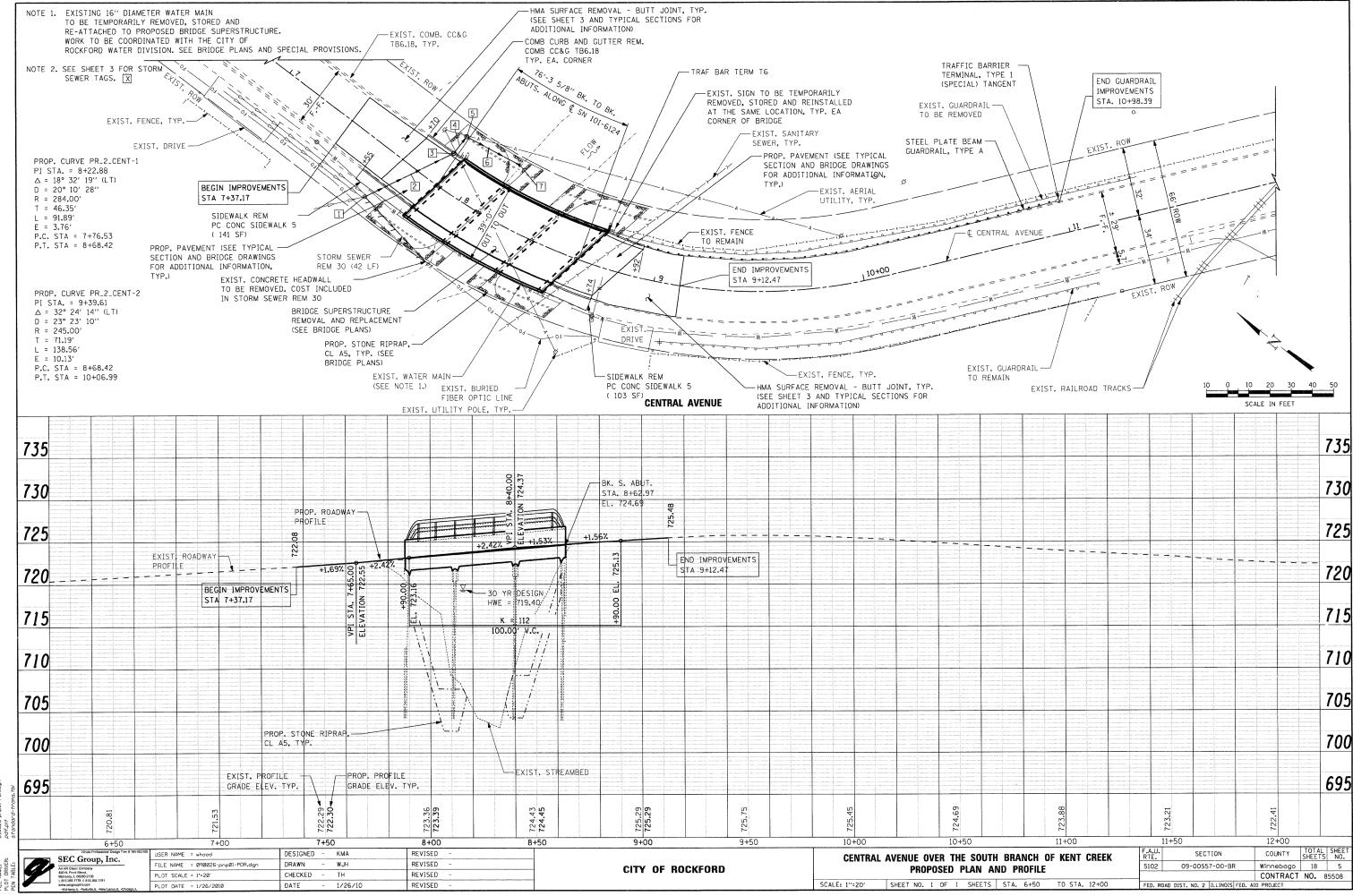
INDICATES ITEMS TO BE REMOVED

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| SEC Group, Inc. | USER NAME = whood | DESIGNED - | KMA | REVISED - | _ |
|---|----------------------------|------------|---------|-----------|---|
| An HR Green Company | FILE NAME = 090026-Typ.dgn | DRAWN - | WJH | REVISED - | |
| 420 N. Front Street, MoHenry, IL 60050-2136 t. 815.385.1778 f. 816.395.1701 | PLOT SCALE = NTS | CHECKED - | TH | REVISED - | |
| www.secgroupinc.com -McHenry,IL -Yorkvills,IL -New Lencx,IL -Chicago,IL | PLOT DATE = 1/26/2010 | DATE - | 1/26/10 | REVISED - | |
| | | | | | _ |

| | CENTRAL AVENUE OVER THE SOUTH BRANCH OF KENT C |
|------------------|--|
| CITY OF ROCKFORD | TYPICAL SECTIONS |

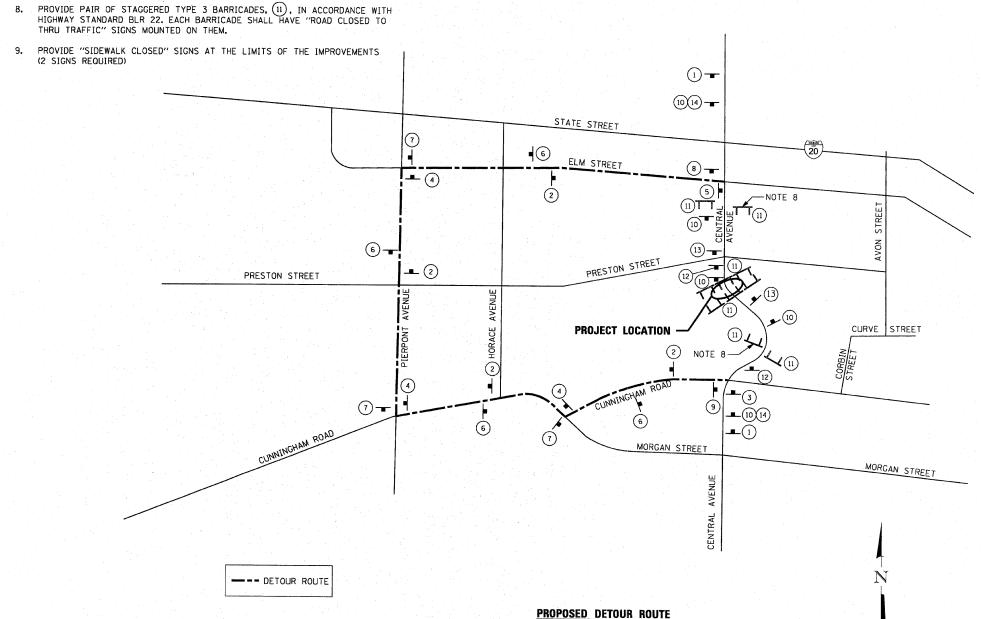


E: SEC GROUP, INC.
TACK: Bobert G. Davies
City of Rockford
I. VZ&Z200 1:01:59 PM
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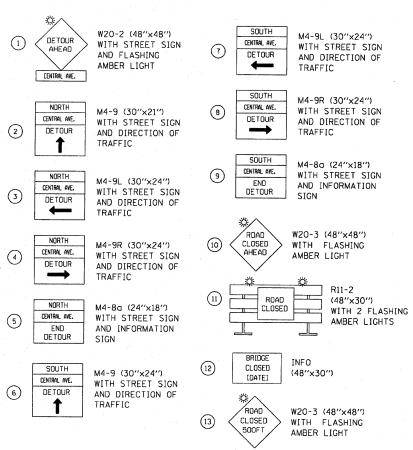
COMPANY NAME: SEC 0
PROJECT CONTACT; Robose
CLENT: ROBOSE
FILE NAME: 09903
PLOT DRIVER: POTE
PEN TABLE: STORY

ROAD CLOSURE GENERAL NOTES:

- THE CONTRACTOR WILL BE ALLOWED TO CLOSE CENTRAL AVENUE TO THRU TRAFFIC BETWEEN STATE STREET AND CUNNINGHAM ROAD IN ACCORDANCE WITH THE
- 2. THE DETOUR ROUTE SHALL BE POSTED PRIOR TO CLOSING THE ROAD.
- ALL TRAFFIC CONTROL WORK ASSOCIATED WITH THE ROAD CLOSURE, SIGNING, TEMPORARY FENCING AND BARRICADING SHALL BE INCLUDED IN THE PAY ITEM FOR 'TRAFFIC CONTROL AND PROTECTION".
- 4. THE CONTRATOR SHALL GIVE THE ENGINEER, THE CITY, IDOT, AND THE WINNEBAGO COUNTY HIGHWAY DEPARTMENT A 72 HOUR NOTICE PRIOR TO PLACING THE ADVANCE
- 5. ADVANCE NOTICE SIGNS, (12), SHALL BE PLACED TWO WEEKS PRIOR TO CLOSING
- 6. ALL SIGNS SHALL CONFORM TO SPACING REQUIREMENTS SET FORTH IN THE 'MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS'.
- 7. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ADJACENT DRIVEWAYS IN ACCORDANCE WITH THE SPECIAL PROVISIONS.
- 8. PROVIDE PAIR OF STAGGERED TYPE 3 BARRICADES, (II), IN ACCORDANCE WITH HIGHWAY STANDARD BLR 22. EACH BARRICADE SHALL HAVE "ROAD CLOSED TO



SIGN LEGEND



| | SEC Group, Inc. | USER NAME = whood | DESIGNED - KMA | REVIS | ISED - |
|---|--|----------------------------|----------------|-------|--------|
| | An HR Green Company 420 N. Front Sincel | FILE NAME = 090026-Dtr.dgn | DRAWN - WJH | REVIS | ISED - |
| × | McHonry, IL 60050-2136 £ 815.365.1778 £ 815.385.1781 | PLOT SCALE = 1'=20' | CHECKED - TH | REVIS | ISED - |
| | www.secgroupinc.com •McHenry,IL •Yorkofilo,IL •New Lonax,IL •Chicago,IL | PLOT DATE = 2/3/2010 | DATE - 2/3/10 | REVIS | ISED - |
| | | | | | |

| | CENTRAL | AVENU | | | | | BRANCH UR PLAN | OF | KENT | CREEK |
|------|------------|-------|-----|-----|----|--------|-------------------|----|---------|-------|
| SCAL | .E: 1"=20" | SHEET | NO. | 1 (|)F | SHEETS | STA. | | TO STA. | |

SECTION 09-00557-00-BR Winnebago 18 6 CONTRACT NO. 85508 FED. ROAD DIST. NO. 2 | ILLINOIS FED. AID PROJECT

.. MILES DISTANCE SIGN

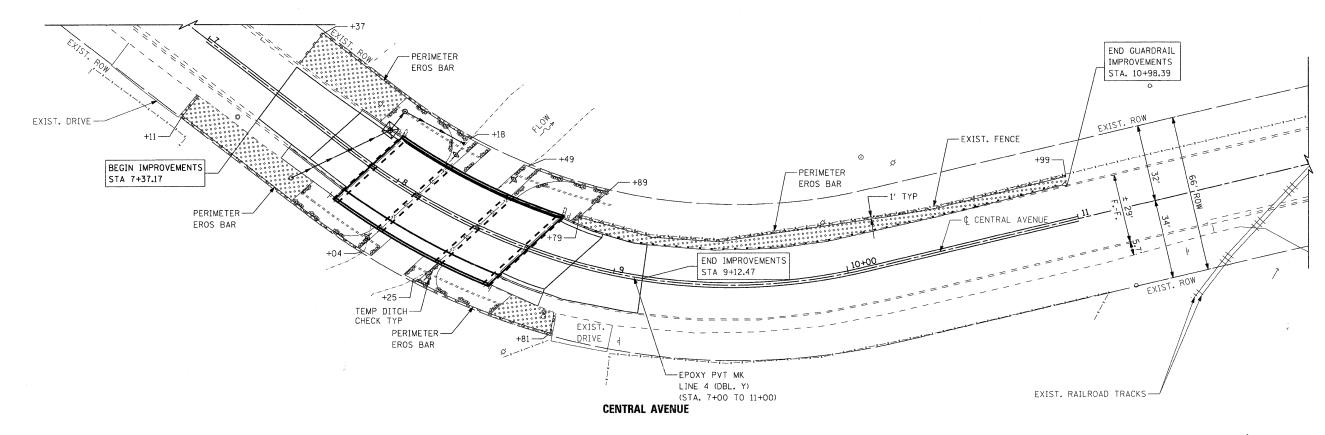
CITY OF ROCKFORD

(CENTRAL AVENUE - BRIDGE RE-CONTRUCTION)

EROSION CONTROL NOTES

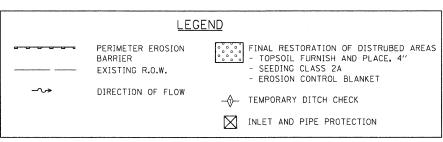
- 1. THE CONTRACTOR WILL BE REQUIRED TO IMPLEMENT AND MAINTAIN EROSION CONTROL MEASURES IMMEDIATELY AFTER STRIPPING OF EXISTING VEGETATION.
- 2. TEMPORARY DITCH CHECKS ARE MEASURED PER FOOT, REGARDLESS OF TYPE OR CONFIGURATION USED.
- 3. STOCKPILES OF SOIL AND OTHER BUILDING MATERIALS TO REMAIN IN PLACE MORE THAN THREE (3) DAYS SHALL BE FURNISHED WITH EROSION AND SEDIMENT CONTROL MEASURES (I.E. PERIMETER SILT FENCE). STOCKPILES TO REMAIN IN PLACE FOR 30 DAYS OR MORE SHALL RECEIVE TEMPORARY SEEDING.
- 4. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO PREVENT POLLUTION OF STORM WATER AND SHALL FOLLOW IEPA REGULATIONS & IDOT CONSTRUCTION MEMORANDUM NO. 06-60.

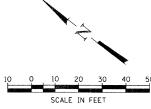
- 5. STABILIZATION MEASURES SHALL BE INITIATED WITHIN 7 DAYS OF CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASING IN AREAS WHERE IT WILL NOT OCCUR FOR A PERIOD OF 14 OR MORE CALENDAR DAYS.
- 6. THE SOIL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSPECTED WEEKLY AND AFTER 1/2 INCH OF RAIN OR MORE BY THE INDIVIDUAL ON SITE IN CHARGE OF SOIL EROSION AND SEDIMENT CONTROL DURING THE CONSTRUCTION OF THE PROJECT.
- 7. SILT FENCE SHALL BE INSTALLED FOLLOWING THE COMPLETION AND STABILIZATION OF THE STORMWATER FACILITIES AND WILL REMAIN IN PLACE UNTIL THE CONTRIBUTING AREA IS STABILIZED.
- 8. ALL ADJACENT STREETS MUST BE KEPT CLEAR OF DEBRIS. INSPECTED DAILY AND CLEANED WHEN NECESSARY OR AS DIRECTED BY THE ENGINEER.
- 9. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES ARE REFERENCED FROM THE ILLINOIS URBAN MANUAL.



TEMPORARY EROSION CONTROL SEQUENCE OF CONSTRUCTION

- ESTABLISH TEMPORARY EROSION CONTROL MEASURES AND ERECT PERIMETER EROSION BARRIER ALONG SITE BOUNDARIES PRIOR TO EARTHWORK.
- 2. INSTALL DITCH CHECKS IMMEDIATELY AFTER DITCH GRADING IS COMPLETED.
- 3. INSTALL TEMPORARY EROSION CONTROL SEEDING.





SEC GROUP, INC.
ACT: Robert G. Davies
City of Rockford
I/ZE/200 102008 PM
090026-Ero.dgn

| | | Illinois Professional Design Firm f |
|---|---|--|
| | | SEC Group, Inc. |
| 띪 | | An HR Green Company 420 N. Front Street. |
| 9 | | McHenry, IL 60050-2136 |
| z | | t, 815,395,1778 f, 816,385,1781 www.secgrouping.com |
| 4 | _ | Moldona II. Nododla II. Mare I anny II. Chica |

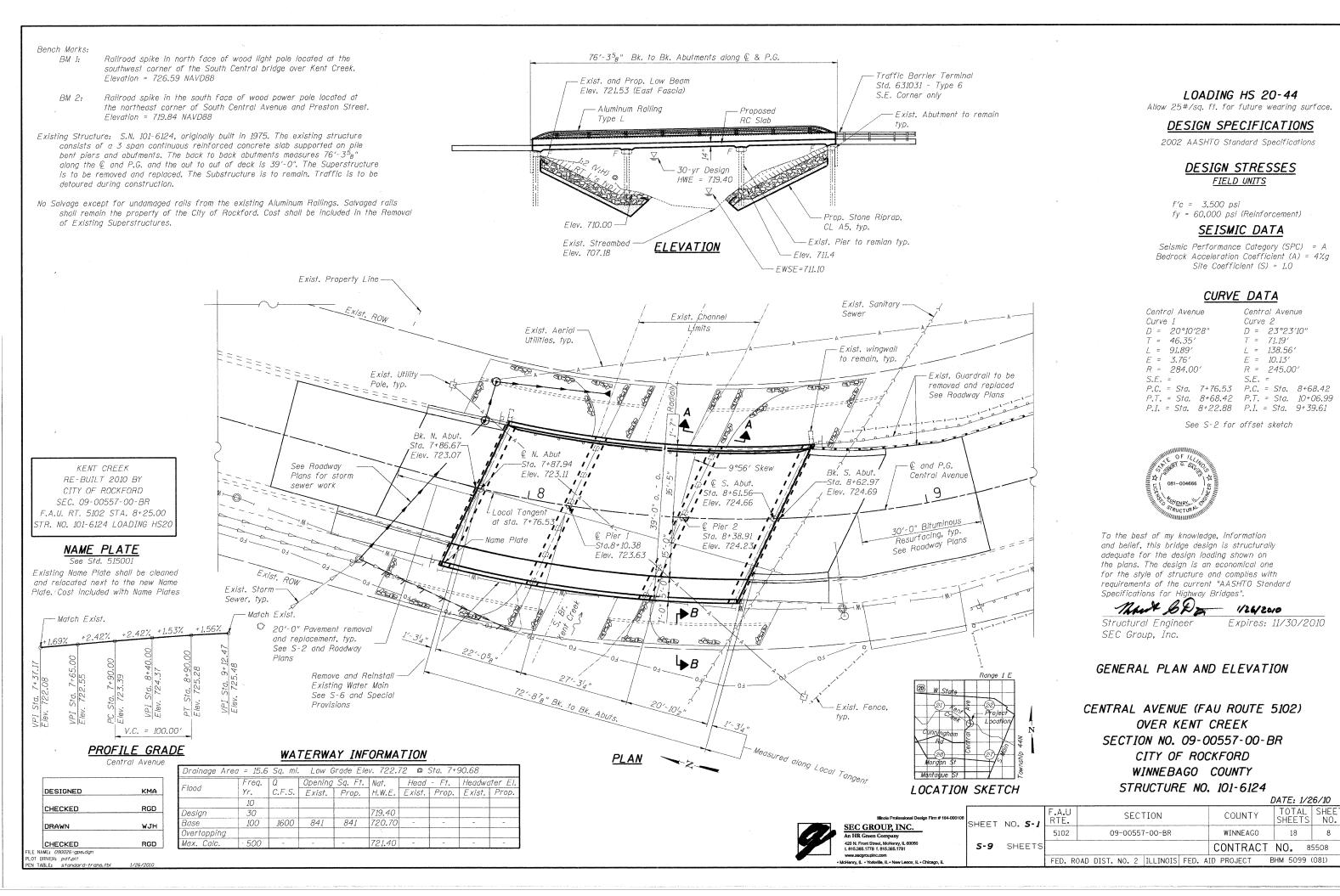
| 0108 | USER NAME = whood | DESIGNED - KMA | REVISED - | _ |
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| | FILE NAME = 090026-Ero.dgn | DRAWN - | REVISED - | |
| | PLOT SCALE = | CHECKED - TH | REVISED - | |
| | PLOT DATE = 1/26/2010 | DATE - 1/26/10 | REVISED - | |

CENTRAL AVENUE OVER THE SOUTH BRANCH OF KENT CREEK STRIPING, EROSION CONTROL, AND RESTORATION PLAN

SHEET NO. 1 OF SHEETS STA.

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|----------------|-----------------------------|-------------|-----------------|--------------|
| 5102 | 09-00557-00-BR | Winnebago | 18 | 7 |
| | | CONTRACT | NO. 8 | 35508 |
| EED B | DAD DIST NO 2 THE INDIS EED | ATD PROJECT | | |

CITY OF ROCKFORD



GENERAL NOTES:

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.

Reinforcement bars designated (E) shall be epoxy coated.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Layout of Slope Protection System may be varied to suit ground conditions in field as directed by the Engineer.

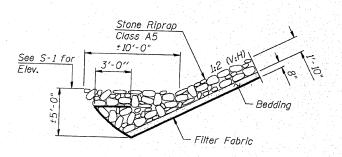
The Contractor shall make allowance for the deflection of forms, shrinkage and settlement of falsework, in addition to allowance for dead load deflection. Forms for deck slab shall be removed prior to placement of bridge approach povement.

Excavation behind existing abutment walls shall be performed to balance front and back soil pressure before removing the existing superstructure.

Backfill shall be placed behind the abutment after the superstructure has been poured and falsework removed. See Article 502.10 of the Standard Specifications.

The Contractor shall obtain a construction permit from the Illinois Department of Natural Resources (IDNR), Office of Water Resources for any temporary construction activity not included in Statewide Permit #9. Any permit application by the Contractor shall refer to the IDNR Statewide permit included in the contract documents.

Incidental excavation / shaping required to place Stone Riprap shall be in accordance with the applicable portion of Section 202 of the Standard Specifications. The cost for this work shall be included in Stone Riprap, Class A5.



SECTION A-A

KMA

RGD

WJH

RGD

DESIGNED

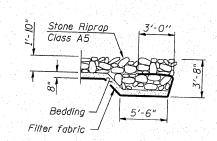
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PLOT DRIVER: pdf.plf PEN TABLE: STANDARD-TRANS.TE

DRAWN

Modify as shown in the Elevation on S-1 (See General Notes).



SECTION B-B

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

TOTAL BILL OF MATERIAL

| ITEM Porous Granular Embankment, Special | UNIT | SUPER | SUR | TOT |
|--|---------|--------|------|------|
| Stone Riprap, Class A5 | Cu. Yd. | | 32.6 | 32. |
| Filter Fabric | Sq. Yd. | | 523 | 523 |
| Removal of Existing Superstructures | Sq. Yd. | | 523 | 523 |
| Structure Excavation | Each | 1 | | 1 |
| Concrete Superstructure | Cu. Yd. | | 32.6 | 32. |
| Bridge Deck Grooving | Cu. Yd. | 160.4 | | 160. |
| Protective Coat | Sq. Yd. | 246 | | 248 |
| Reinforcement Bars Enoxy Coated | Sq. Yd. | 363 | | 363 |
| Aluminum Railing, Type L | Pound | 42,350 | | 42,3 |
| Name Plates | Foot | 7.2 | | 72 |
| Remove and Reinstall Existing Water Main | Each | 1 | | . 1 |
| and Monoral Existing Water Main | Foot | 74 | | 74 |

INDEX OF SHEETS

S-1 General Plan and Elevation

S-2 General Notes and Total Bill of Materials
S-3 Top of Skip Elevations

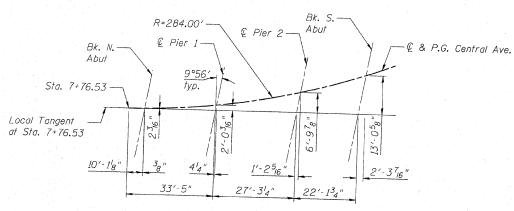
S-3 Top of Slab Elevations
S-4 Superstructure Plan and Co

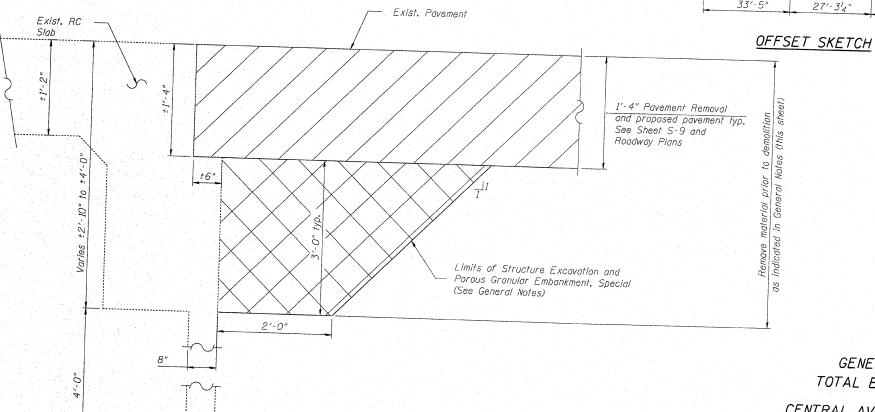
S-4 Superstructure Plan and Cross Section S-5 Superstructure Details

S-6 Superstructure Details

S-7 Superstructure Details S-8 Aluminum Railing, Type L

S-9 Substructure Details





SECTION THRU ABUTMENT

GENERAL NOTES, AND TOTAL BILL OF MATERIALS

CENTRAL AVENUE (FAU ROUTE 5102)

OVER KENT CREEK

SECTION NO. 09-00557-00-BR

CITY OF ROCKFORD

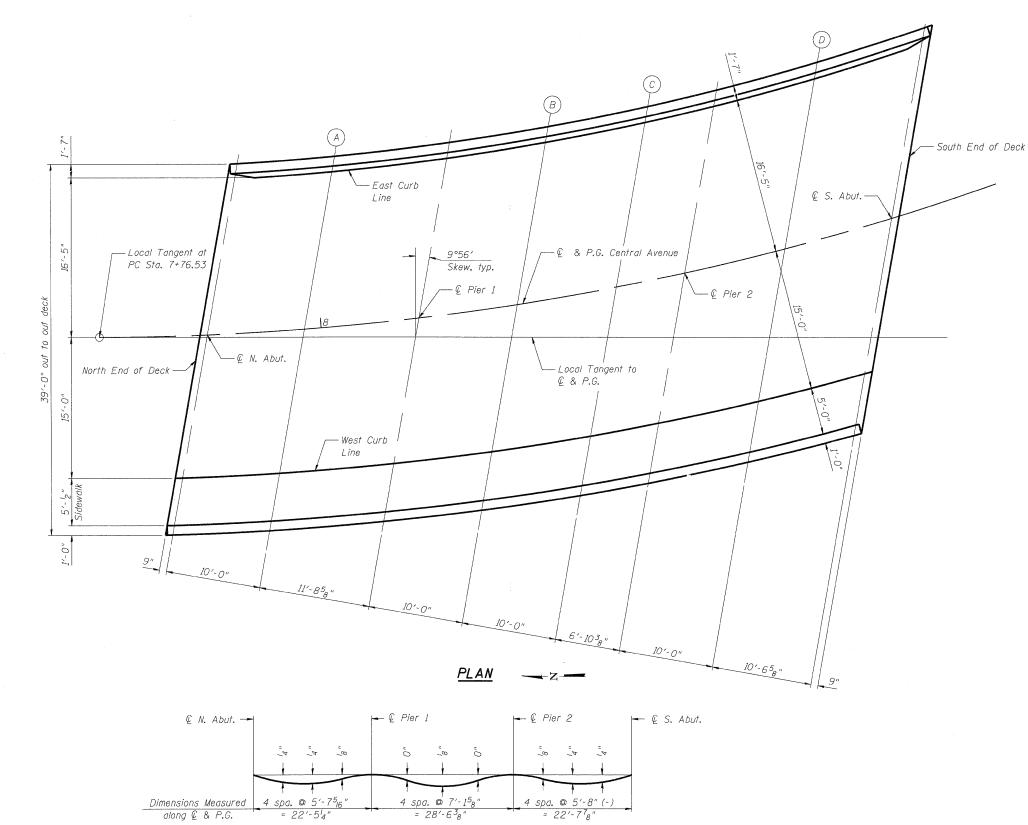
WINNEBAGO COUNTY

STRUCTURE NO. 101-6124

Illinois Professional Design Firm # 184-000108
SEC GROUP, INC.
An HR Green Company
420 N. Front Street, Med-larry, IL 60050
1. 915.395.1778 f. 915.395.1781
www.seggroupinc.com
• McHenry, IL. • Yorkville, IL. • New Lencx, IL. • Chlosgo, IL.

SHEET NO. 5-2 F.A.U RTE. SECTION COUNTY TOTAL SHEET NO. 5-9 SHEETS

SHEET NO. 5-2 FED. ROAD DIST. NO. 2 ILLINOIS FED. AID PROJECT BHM 5099 (081)



DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only.)

The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown.

EAST CURB LINE

| Location | Station | Offset to © & P.G. | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|---|--|--|--|--|
| N. End of Deck ② N. Abut. A ② Pier 1 B C ② Pier 2 D ② S. Abut. S. End of Deck | 7+90.90 7+91.72 8+02.66 8+15.64 8+26.86 8+38.25 8+46.17 8+57.90 8+70.57 8+71.48 | - 16.417 - 16.417 - 16.417 - 16.417 - 16.417 - 16.417 - 16.417 - 16.417 - 16.417 | 722.68 722.70 722.92 723.14 723.33 723.52 723.65 723.86 724.07 724.09 | 722.68 722.70 722.94 723.14 723.53 723.65 723.65 723.88 724.07 724.09 |

CENTERLINE AND PROFILE GRADE LINE

| Location | Station | Offset to ℚ & P.G. | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|----------------|---------|-----------------------|------------------------------------|---|
| N. End of Deck | 7+87.17 | 0.000 | 723.09 | 723.09 |
| ℚ N. Abut. | 7+87.94 | 0.000 | 723.11 | 723.11 |
| Α | 7+98.21 | 0.000 | 723.35 | 72 3. 37 |
| © Pier 1 | 8+10.38 | 0.000 | 723.63 | 723.63 |
| В | 8+20.88 | 0.000 | 723.86 | 723.87 |
| С | 8+31.52 | 0.000 | 724.09 | 724.10 |
| € Pier 2 | 8+38.91 | 0.000 | 724.23 | 724.23 |
| D | 8+49,83 | 0.000 | 724.45 | 724.47 |
| € S. Abut. | 8+61.56 | 0.000 | 724.66 | 724.66 |
| S. End of Deck | 8+62,40 | 0,000 | 724.68 | 724.68 |

WEST CURB LINE

| Location | Station | Offset to & P.G. | Theoretical Grade Elevations | Theoretical Grade Elevations Adjusted For Dead Load Deflection |
|--|--|--|--|--|
| N. End of Deck § N. Abut. A § Pier 1 B C § Pier 2 D § S. Abut. S. End of Deck | 7+84.13 7+84.85 7+94.59 8+06.10 8+16.03 8+26.07 8+33.03 8+43.30 8+54.32 8+55.11 | 15.000 15.000 15.000 15.000 15.000 15.000 15.000 15.000 15.000 | 723.47 723.49 723.66 724.03 724.23 724.47 724.63 724.86 725.09 725.12 | 723.47 723.49 723.68 724.03 724.24 724.48 724.63 724.88 725.09 725.12 |

TOP OF SLAB ELEVATIONS

CENTRAL AVENUE (FAU ROUTE 5102) OVER KENT CREEK SECTION NO. 09-00557-00-BR CITY OF ROCKFORD WINNEBAGO COUNTY STRUCTURE NO. 101-6124

DATE: 1/26/10



SEC GROUP, INC.

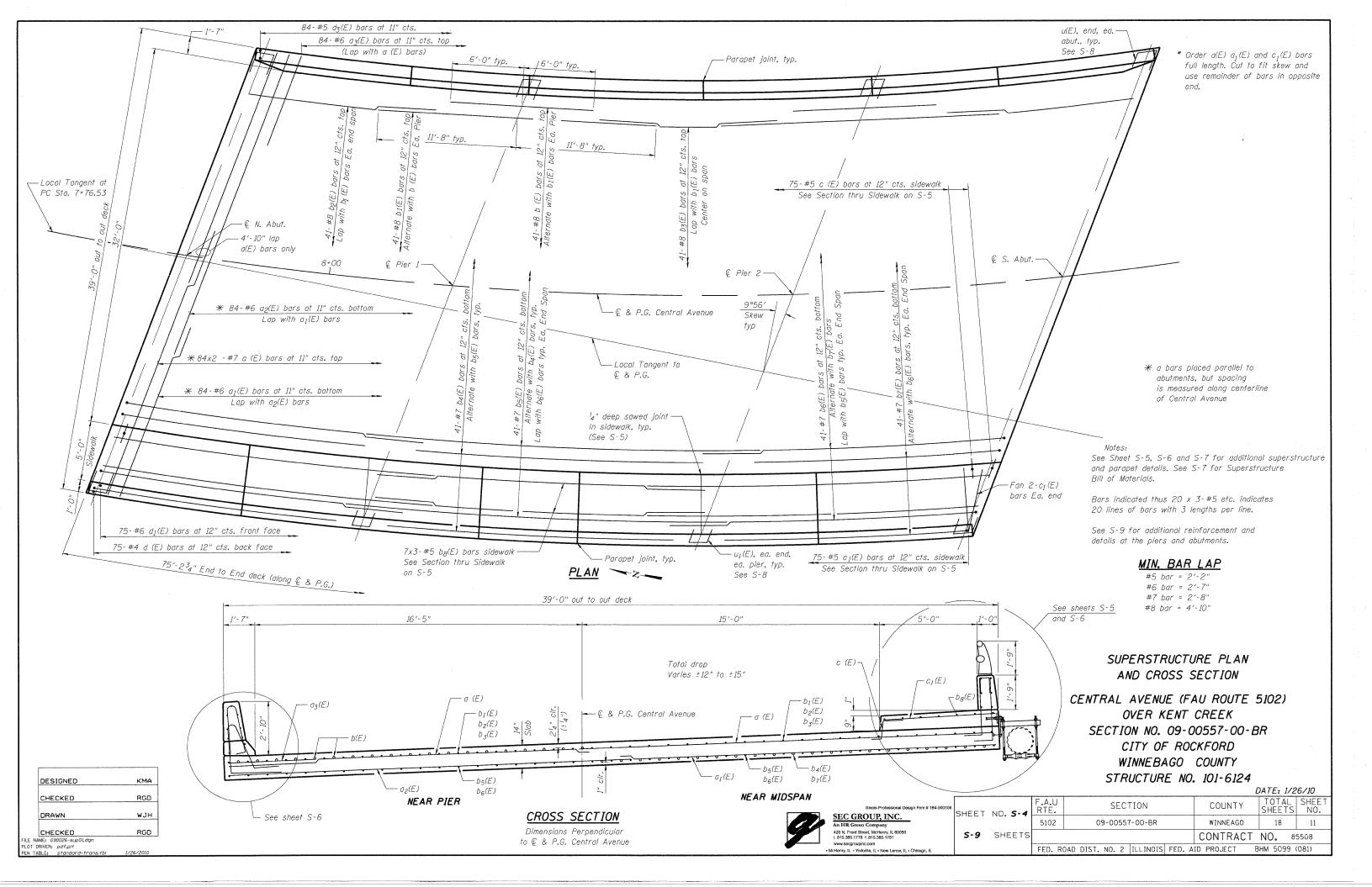
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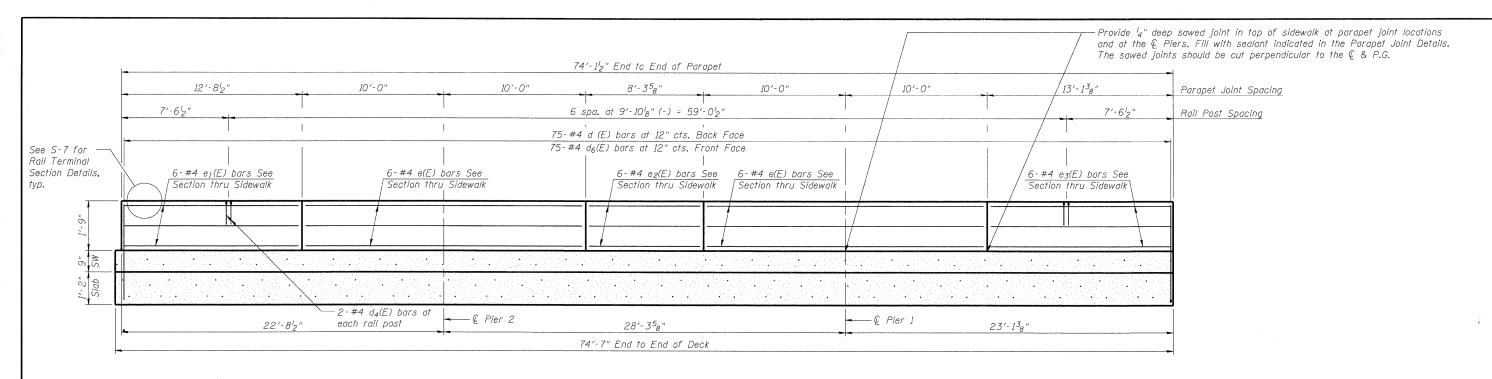
KMA

RGD

DESIGNED

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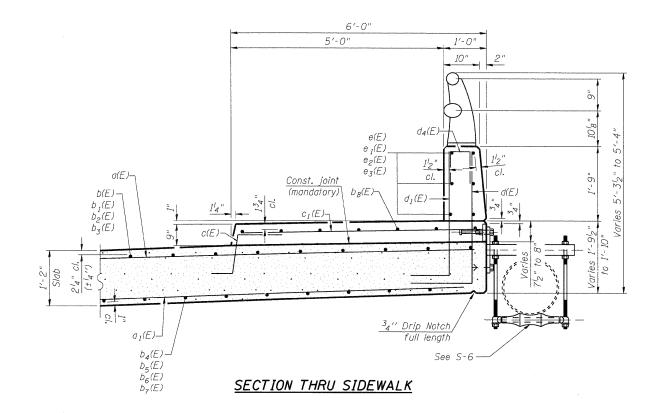


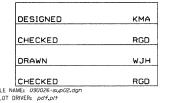
MINIMUM BAR LAP

(Parapet) #4 bar = 1'-8''

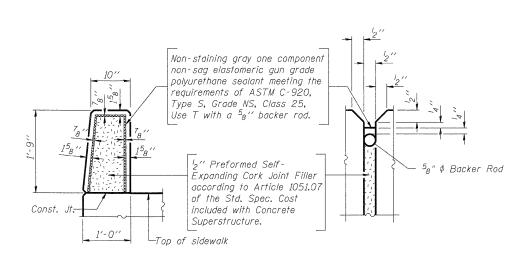
INSIDE ELEVATION OF WEST PARAPET

All dimensions measured along front face of parapet





Illinois Professoral Design Firm # 184-00
SEC GROUP, INC.
An HR Green Company
420 N. Front Street, Michany, IL 60050
t. 515.385.1776 f. 615.385.1761
www.seggroupinc.com
• Michany, IL • Yorkville, IL • New Lenox, IL • Chicago, IL



PARAPET JOINT DETAILS

SUPERSTRUCTURE DETAILS

CENTRAL AVENUE (FAU ROUTE 5102)

OVER KENT CREEK

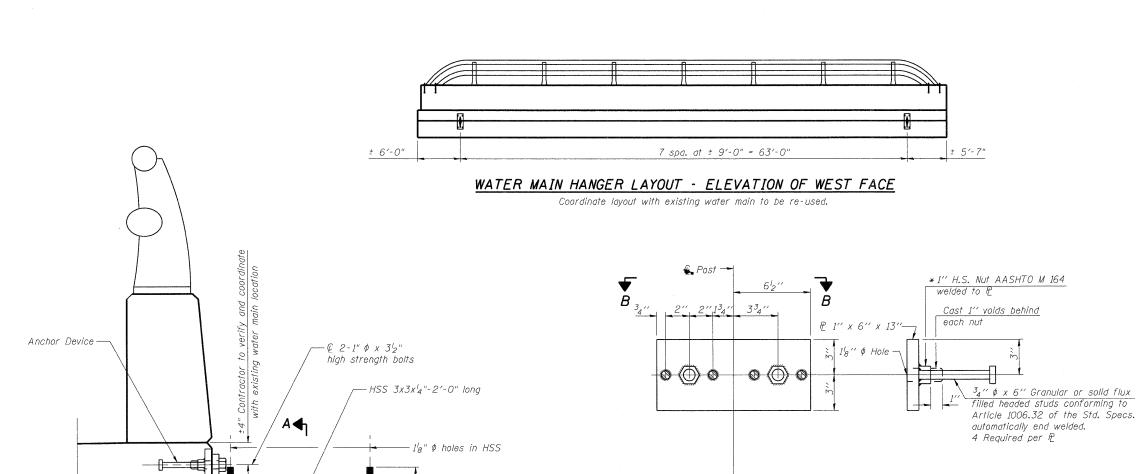
SECTION NO. 09-00557-00-BR

CITY OF ROCKFORD

WINNEBAGO COUNTY

STRUCTURE NO. 101-6124

| | | | | | | | | | | | DA7 | TE: 1/2 | 6/10 | |
|------|----------------|---------------|------|-------|------|-----------------|----------|------|----|-----------|---------|---------------|--------------|---|
| HEET | NO. S-5 | F.A.U RTE. | | | SI | EC ⁻ | TION | | | COUNTY | T Sh | OTAL HEETS | SHEET NO. | ī |
| | | 5102 | | 0 | 9-00 | 557 | 7-00-BR | | | WINNEAGO | | 18 | 12 | |
| 5-9 | SHEETS | | | | | | | | | CONTRACT | - N(| O . 8 | 5508 | |
| | | FED. | ROAD | DIST. | NO. | 2 | ILLINOIS | FED. | ΑI | D PROJECT | ВНМ | 5099 | (081) | |



-2-1" \$\psi X 2'-2" long hot dipped galvanized anchor rods. Coordinate

threading with pipe hanger manufacturer.

-8" Threaded

Existing 16" \$\phi\$ DIP

Water Main -8" Threaded

-Cooper B-Line

approved equal

B3114-16 Hanger, or

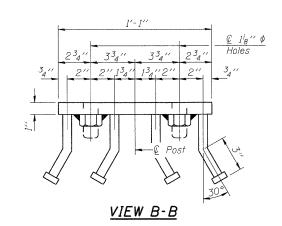
193₄"

WATER MAIN HANGER DETAIL

(8 Assemblies reg'd)

ANCHOR DEVICE

* Threaded areas shall be plugged or blocked off during casting of beam.



NOTES

- 1. Hollow structural steel tubing shall conform to the requirements of ASTM designation A500 Grade B Structural Steel Tubing and shall meet the longitudinal CVN requirements of 15 ft.-lbs. at 0° F.
- 2. All other steel shapes and plates shall conform to the requirements of AASHTO M 270 Grade 36.
- 3. Bolts and nuts shall conform to the requirements of ASTM designation A307 except for high strength bolts, nuts and washers noted which shall conform to AASHTO M 164.
- 4. All bolts, nuts, washers and lock washers shall be galvanized according to AASHTO M 232.
- 5. All anchor devices plates and HSS shall be galvanized after shop fabrication according to AASHTO M-111 and ASTM A 385.
- 6. The 1" ϕ high strength bolts connecting the plate to the concrete shall be tightend to a snug fit and given an additional l_8 turn.

SUPERSTRUCTURE DETAILS

CENTRAL AVENUE (FAU ROUTE 5102)

OVER KENT CREEK

SECTION NO. 09-00557-00-BR

CITY OF ROCKFORD

WINNEBAGO COUNTY

STRUCTURE NO. 101-6124

VIEW A-A

³₄" ¢ holes

10" 1^l8" φ holes

Heavy hex nut

- ³4" ¢ hole

₹ 1"x10"x1'-1"

in plate

w/standard

washer, typ.

Water Main not shown for clarity



| | | | | | J, | ,,, | UC I UIN | /¥(| J. | 101 0127 | | |
|--------|----------------|---------------|----------------|-------|-----|-----|----------|------|-----|----------|-----------------|--------------|
| | | - | | | | | | | | | DATE: 1/2 | 26/10 |
| SHEET | NO. 5-6 | F.A.U RTE. | | | SE | C | ΓΙΟΝ | | | COUNTY | TOTAL SHEETS | SHEET NO. |
| 01.221 | .,0.0 | 5102 | 09-00557-00-BR | | | | | | | WINNEAGO | 18 | 13 |
| 5-9 | SHEETS | | | | | | | | 1 | CONTRACT | NO. 8 | 5508 |
| | | FED. RO | DAC | DIST. | NO. | 2 | ILLINOIS | FED. | AID | PROJECT | BHM 5099 | (081) |

DESIGNED KMA

CHECKED RGD

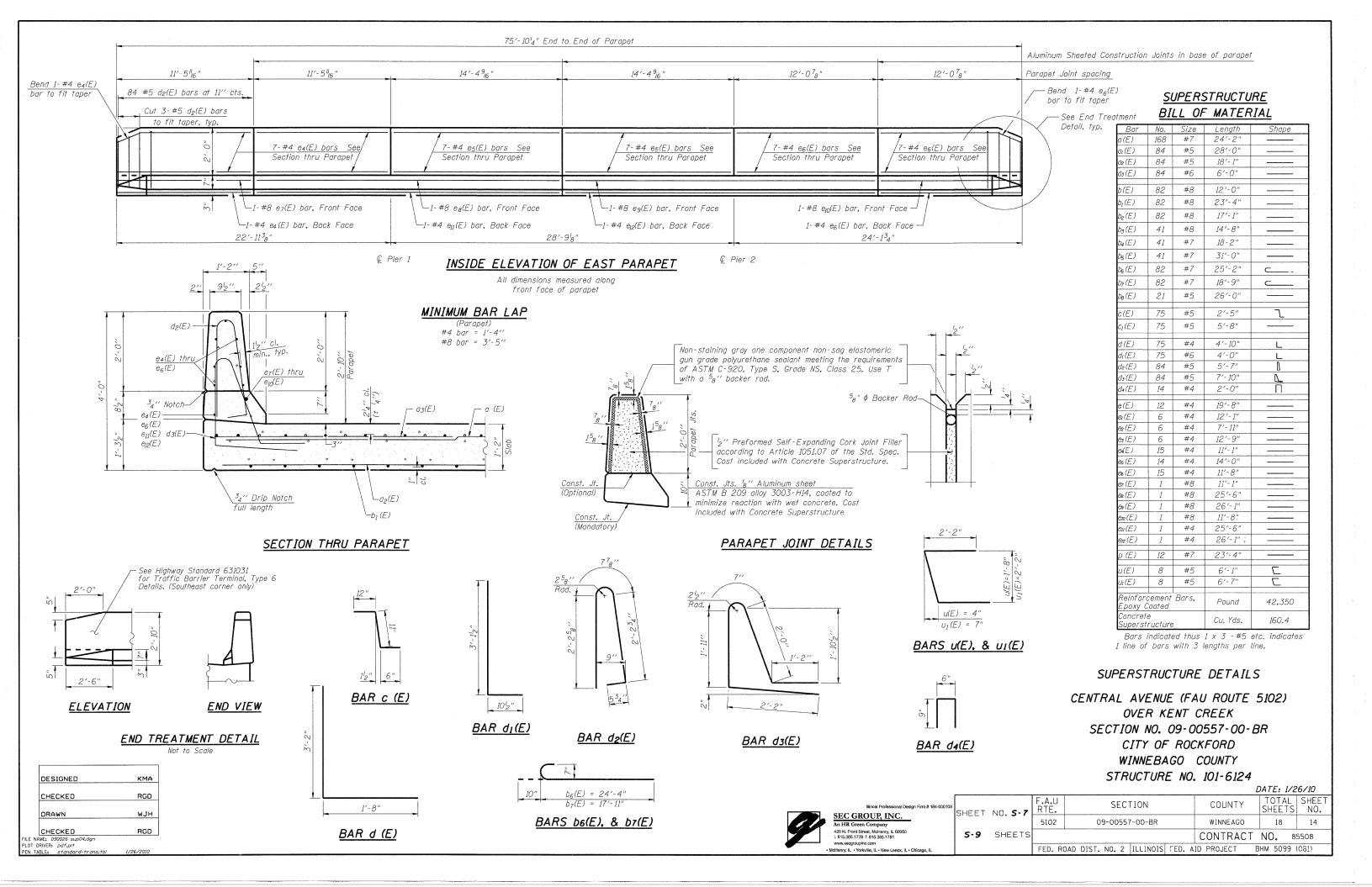
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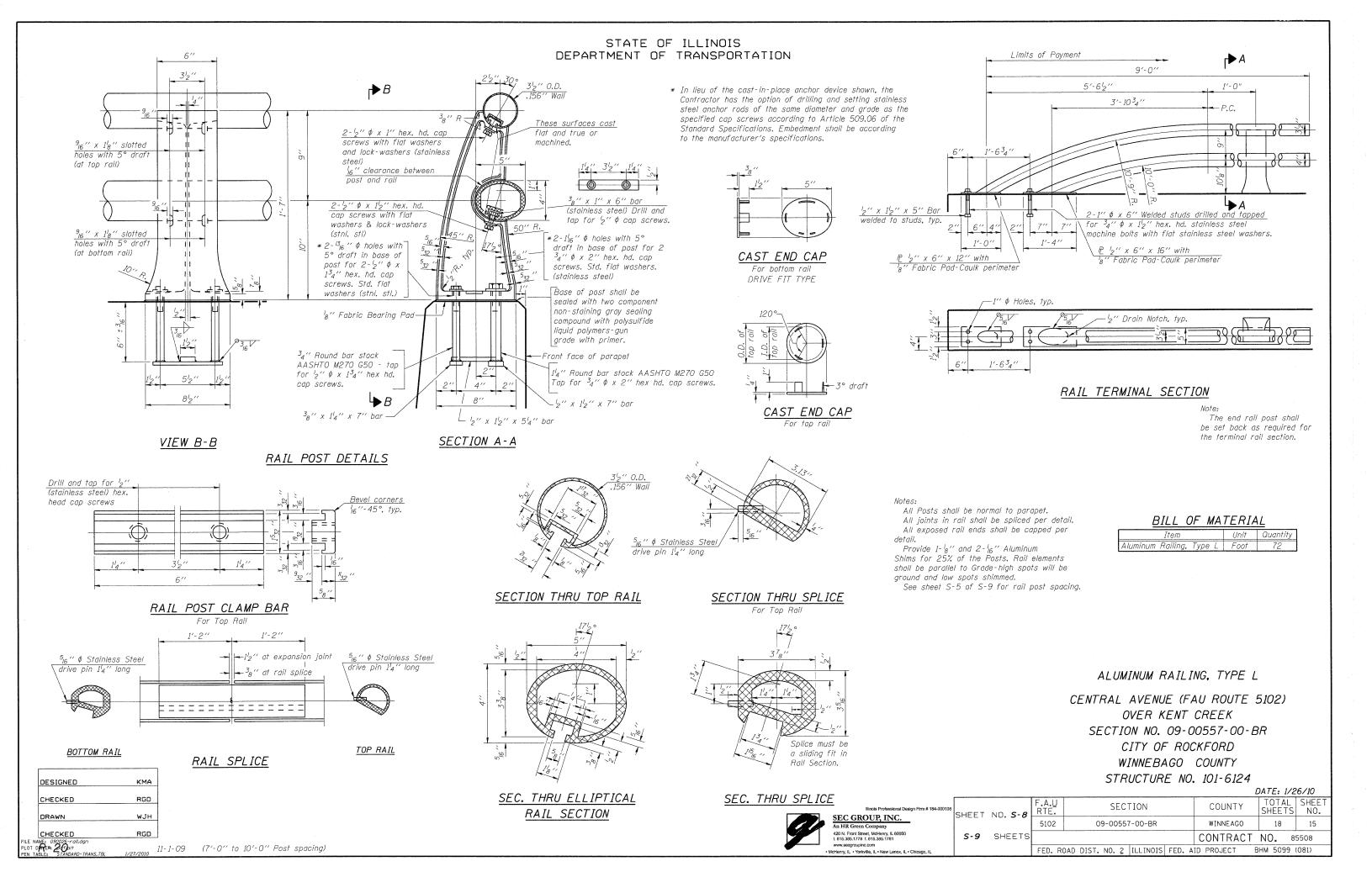
CHECKED RGD

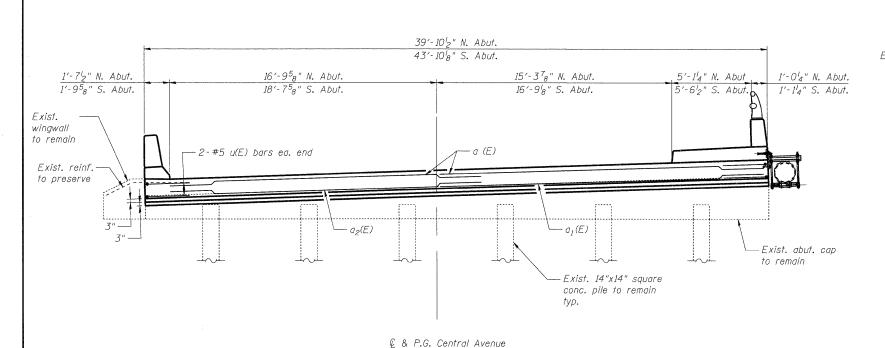
2-5/8" ¢ x 6" long Hilti Kwik Bolt 3,

or approved equal, hot dipped galvanized

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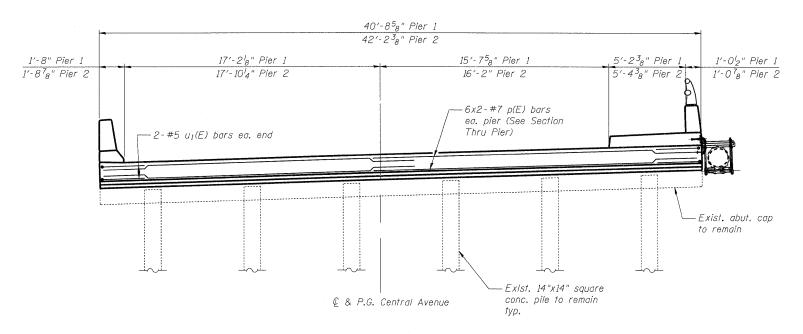






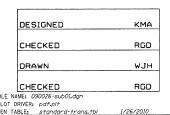
ABUTMENT ELEVATION

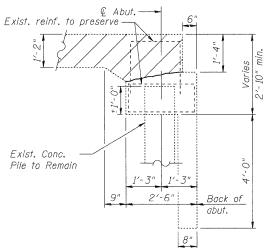
South Abutment looking South (North Abutment similar, but opposite hand) Dimensions along skew



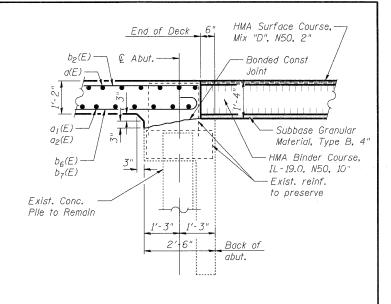
PIER ELEVATION

Looking South Dimensions along skew

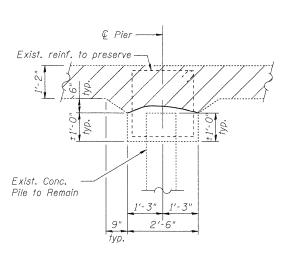


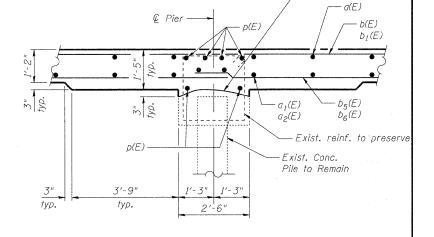


REMOVAL SECTION THRU ABUT.



SECTION THRU ABUT.





SECTION THRU PIER

- Bonded Const Joint

REMOVAL SECTION THRU PIER

NOTES

- 1. See Superstructure Bill of Materials for u(E), $u_1(E)$, and p(E) bars.
- 2. Existing reinforcement shall be cleaned and incorporated into the new construction.

 Cost included in Removal of Existing Superstructures.

SUBSTRUCTURE DETAILS

CENTRAL AVENUE (FAU ROUTE 5102)

OVER KENT CREEK

SECTION NO. 09-00557-00-BR

CITY OF ROCKFORD

WINNEBAGO COUNTY

STRUCTURE NO. 101-6124

SEC GROUP, INC.
An HR Green Company
420 N. Front Street, McHenry, IL 60050
t. 815.385.1781
www.secgrouplinc.com
• McHenry, IL * Yorkville, IL * New Lenox, IL * Chicago, IL

| | | | | | | | | | | | DA | ATE: 1/2 | 26/10 |
|-------|----------------|---------------|------|----------------|-----|-----|----------|------|-----|----------|-----|-----------------|--------------|
| SHEET | NO. 5-9 | F.A.L RTE. | | | SE | .C1 | LION | | | COUNTY | Ş | TOTAL SHEETS | SHEET NO. |
| | | 5102 | | 09-00557-00-BR | | | | | | WINNEAGO | | 18 | 16 |
| 5-9 | SHEETS | | | | | | | | (| CONTRACT | - 1 | 10. 8 | 5508 |
| | | FED. | ROAD | DIST. | NO. | 2 | ILLINOIS | FED. | AID | PROJECT | ВН | м 5099 | (081) |