CONTRACT # 64425

DESIGNED	RMB
CHECKED	GJM
DRAWN	RMB
CHECKED	GJM

RANDOLPH & ASSOCIATES, INC.
911 N. PIONEER PARKWAY, PEORIA, IL 61615-2124
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CONSULTING ENGINEERS • LAND SURVEYORS

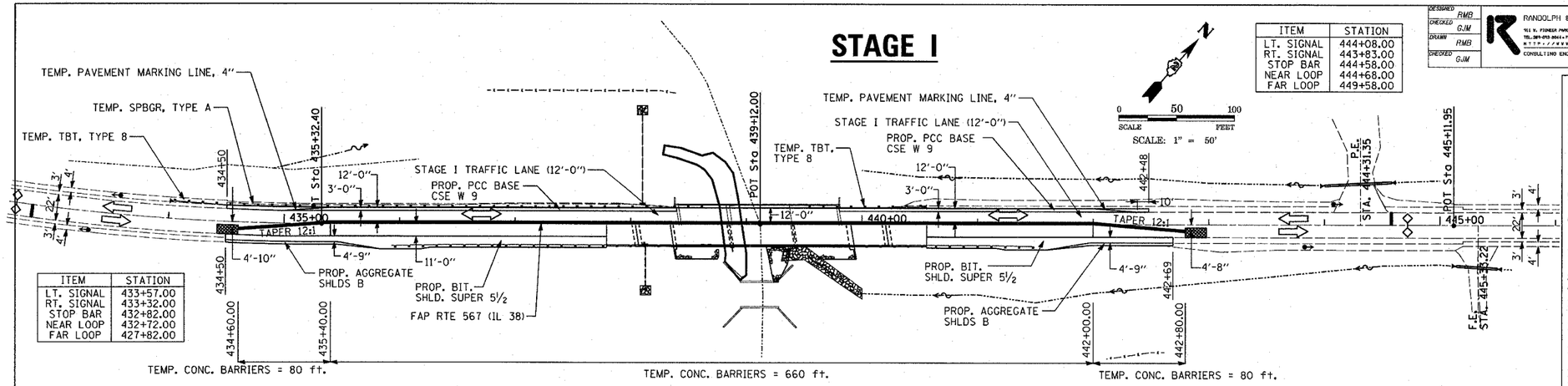
FILE NUMBER 136.109
DATE July 2004

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
567	12BR-1	LEE	68	19

STA. _____ TO STA. _____

FED. ROAD DIST. NO. 2 | ILLINOIS | FED. AID PROJECT

STAGE I



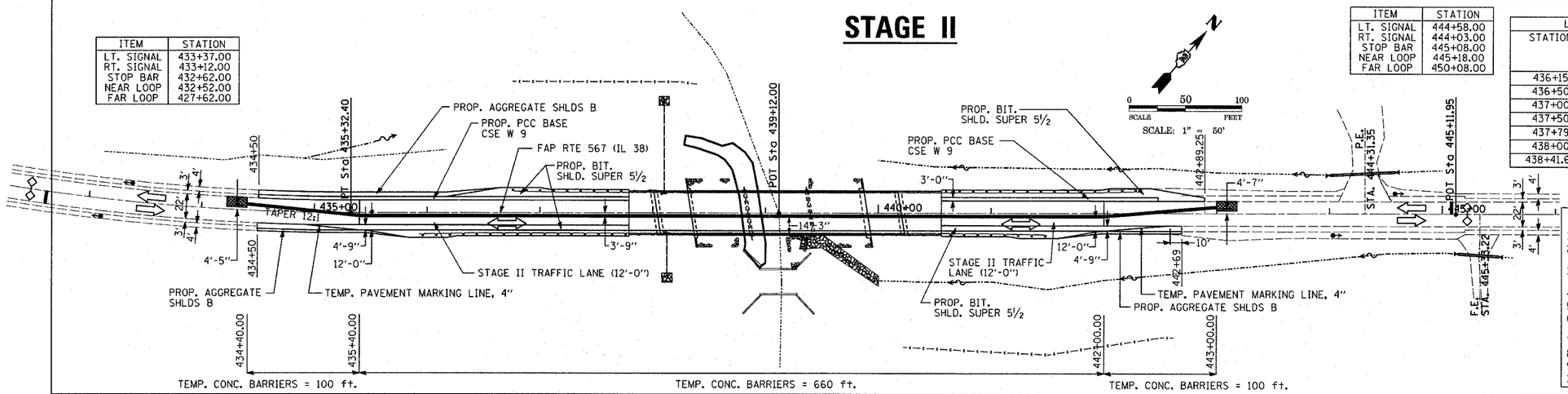
ITEM	STATION
LT. SIGNAL	433+57.00
RT. SIGNAL	433+32.00
STOP BAR	432+82.00
NEAR LOOP	432+72.00
FAR LOOP	427+82.00

ITEM	STATION
LT. SIGNAL	444+08.00
RT. SIGNAL	443+83.00
STOP BAR	444+58.00
NEAR LOOP	444+68.00
FAR LOOP	449+58.00

STAGE I CONSTRUCTION SEQUENCE

1. REMOVE BROKEN CONC. RIPRAP IN ENTIRETY AND ORIGINAL PAVEMENT IN EAST QUADRANT (SOUTHEAST OF ROADWAY).
2. PERFORM EARTHWORK, TEMPORARY SEEDING, & EROSION CONTROL.
3. PLACE LEVELING BINDER, VARIABLE DEPTH BETWEEN STA. 436+15.00 AND STA. 438+41.64 TO FILL IN SAG (SEE TABLE BELOW).
4. CORE OUT EXIST. BIT. SHOULDER AND CONSTRUCT PCC BASE COURSE WIDENING 9" ON LT. SIDE.
5. REMOVE EXIST. GUARDRAIL AND INSTALL TEMP. GUARDRAIL AND BARRIER TERMINALS FOR TRAFFIC PROTECTION ON LT SIDE.
6. INSTALL TEMPORARY SIGNALS AND CONCRETE BARRIERS AS SHOWN ON STAGING PLAN AND PER TRAFFIC CONTROL STANDARD 701321.
7. REMOVE EXISTING APPROACH SLAB FOR PROPOSED APPROACH PAVEMENT AND INSTALL TEMPORARY SHEET PILING.
8. REMOVE SOUTHEAST PORTION OF EXISTING STRUCTURE.
9. CONSTRUCT STAGE I STRUCTURE.
10. CONSTRUCT BRIDGE APPROACH PAVEMENT AND RIGID CONNECTORS (AS PER STANDARD 420401).
11. REMOVE EXIST. AGG. AND TURF SHOULDER AND CONSTRUCT AGG. BASE COURSE TYPE A & BIT. SHOULDER ON RT. SIDE.
12. PLACE BIT. LEVELING BINDER ON EXIST. PAVEMENT & BIT. SHOULDER ON RT. SIDE.
13. INSTALL GUARDRAIL & TERMINALS ON RT. SIDE.
14. PLACE TEMPORARY PAVEMENT MARKING.

STAGE II



ITEM	STATION
LT. SIGNAL	433+37.00
RT. SIGNAL	433+12.00
STOP BAR	432+62.00
NEAR LOOP	432+52.00
FAR LOOP	427+62.00

ITEM	STATION
LT. SIGNAL	444+58.00
RT. SIGNAL	444+03.00
STOP BAR	445+08.00
NEAR LOOP	445+18.00
FAR LOOP	450+08.00

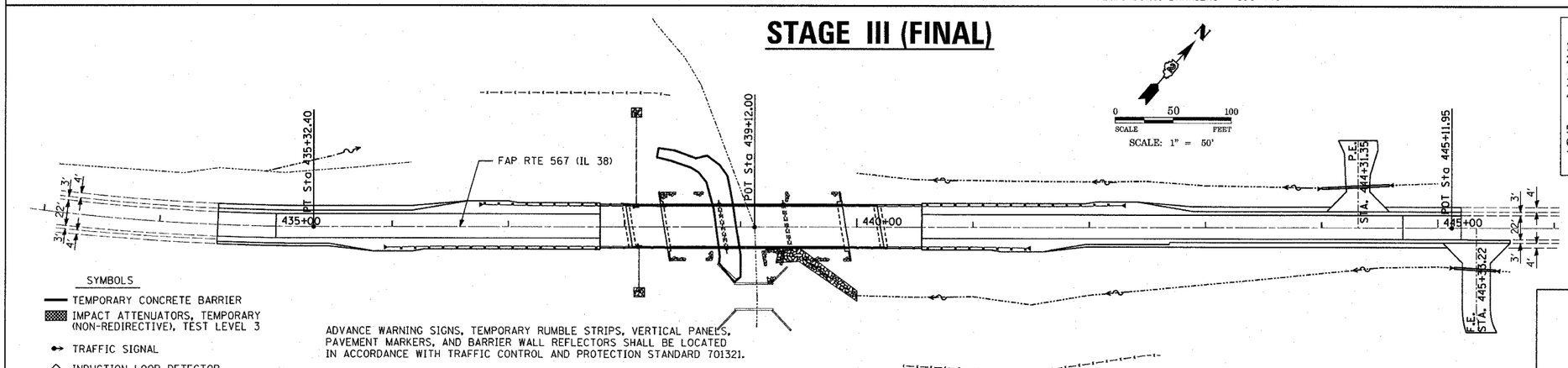
LEVELING BINDER (VAR. DP.) FOR STAGE I CONSTRUCTION

STATION	EXISTING ℄ ELEVATION	TOP OF LEV. BIND. (VAR. DP.) (FOR STAGE I)	BOTTOM OF LEV. BINDER (1")	FINAL ℄ ELEVATION
436+15	780.81	780.81	780.81	781.02
436+50	781.32	781.36	781.38	781.59
437+00	782.04	782.14	782.19	782.40
437+50	782.57	782.92	783.00	783.21
437+79	783.04	783.38	783.47	783.68
438+00	783.44	783.70	NA (APP. PVMT)	784.02
438+41.64	784.35	784.35	NA (APP. PVMT)	784.70

STAGE II CONSTRUCTION SEQUENCE

1. RELOCATE TEMPORARY CONCRETE BARRIER AND SWITCH TRAFFIC.
2. REMOVE TEMP. GUARDRAIL AND BARRIER TERMINALS USED IN STAGE I FOR TRAFFIC PROTECTION ON LT. SIDE.
3. REMOVE REMAINING EXISTING APPROACH SLAB FOR PROPOSED APPROACH PAVEMENT.
4. REMOVE NORTHWEST PORTION OF EXISTING STRUCTURE.
5. CONSTRUCT STAGE II STRUCTURE.
6. REMOVE TEMPORARY SHEET PILING, CONSTRUCT BRIDGE APPR. PAVEMENT AND RIGID CONNECTORS (AS PER STANDARD 420401).
7. PLACE BIT. SHOULDER ON LT. SIDE.
8. PLACE BIT. LEVELING BINDER ON EXIST. PAVEMENT ON LT. SIDE.
9. RE-ERECT GUARDRAIL & TERMINALS ON LT. SIDE.
10. PLACE TEMPORARY PAVEMENT MARKING.

STAGE III (FINAL)



STAGE III CONSTRUCTION SEQUENCE

1. REMOVE TRAFFIC CONTROL.
2. PERFORM IMPROVEMENTS TO PRIVATE ENTRANCE AND FIELD ENTRANCE.
3. COMPLETE BITUMINOUS SHOULDERS AT NORTH END.
4. PLACE REMAINING LEVELING BINDER & SURFACE COURSE ON ENTIRE IMPROVEMENT AND BIT. SURFACE ON BITUMINOUS SHOULDERS.
5. PLACE AGGREGATE SHOULDERS ON BOTH SIDES.
6. PLACE PERMANENT PAVEMENT MARKING.
7. PERFORM FINAL DITCH GRADING, DITCH LINING, RIPRAP, AND SEEDING.

SYMBOLS

- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
- TRAFFIC SIGNAL
- INDUCTION LOOP DETECTOR

ADVANCE WARNING SIGNS, TEMPORARY RUMBLE STRIPS, VERTICAL PANELS, PAVEMENT MARKERS, AND BARRIER WALL REFLECTORS SHALL BE LOCATED IN ACCORDANCE WITH TRAFFIC CONTROL AND PROTECTION STANDARD 701321.

SEE SPECIAL PROVISIONS, STAGING TYPICALS, AND HIGHWAY STANDARD 701321 FOR MORE INFORMATION.

SEE BRIDGE PLAN STAGING SHEET NO. 23.

STAGE CONSTRUCTION DETAIL & TRAFFIC CONTROL PLAN

IL 38 OVER FRANKLIN CREEK
F.A.P. RTE 567 (IL RTE 38) SECTION 12BR-1
LEE COUNTY