

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET 2

STATE OF ILLINOIS 01-30-15 LETTING ITEM 055
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

Table with columns: F.A.U. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO., FED. ROAD DIST. NO., ILLINOIS, CONTRACT NO. 63892

TRAFFIC DATA

Table with columns: ADT, ROADWAY, POSTED SPEED, DESIGN SPEED. Rows for Charles J. Miller Road and Green Street/Barreville Road.

Table with columns: ROADWAY, POSTED SPEED, DESIGN SPEED. Rows for Bull Valley Road, Charles J. Miller Road, and Illinois Route 31.

DESIGN DESIGNATION

FAU 3860 (BULL VALLEY ROAD/CHARLES J. MILLER ROAD) - URBAN MINOR ARTERIAL
FAP 0336 (ILLINOIS ROUTE 31/FRONT STREET) - OTHER PRINCIPAL ARTERIAL

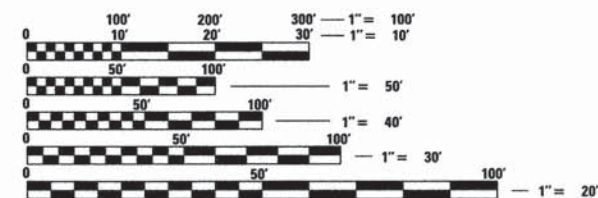
PLANS FOR PROPOSED FEDERAL-AID HIGHWAY

FAU 3860 (CHARLES J. MILLER ROAD)
FAP 336 (ILLINOIS ROUTE 31) TO EAST OF
FAU 0087 (GREEN STREET)
RECONSTRUCTION

SECTION: 09-00372-01-PW
PROJ. TECMM-M-4003(020)
MCHENRY COUNTY
JOB: C-91-425-12

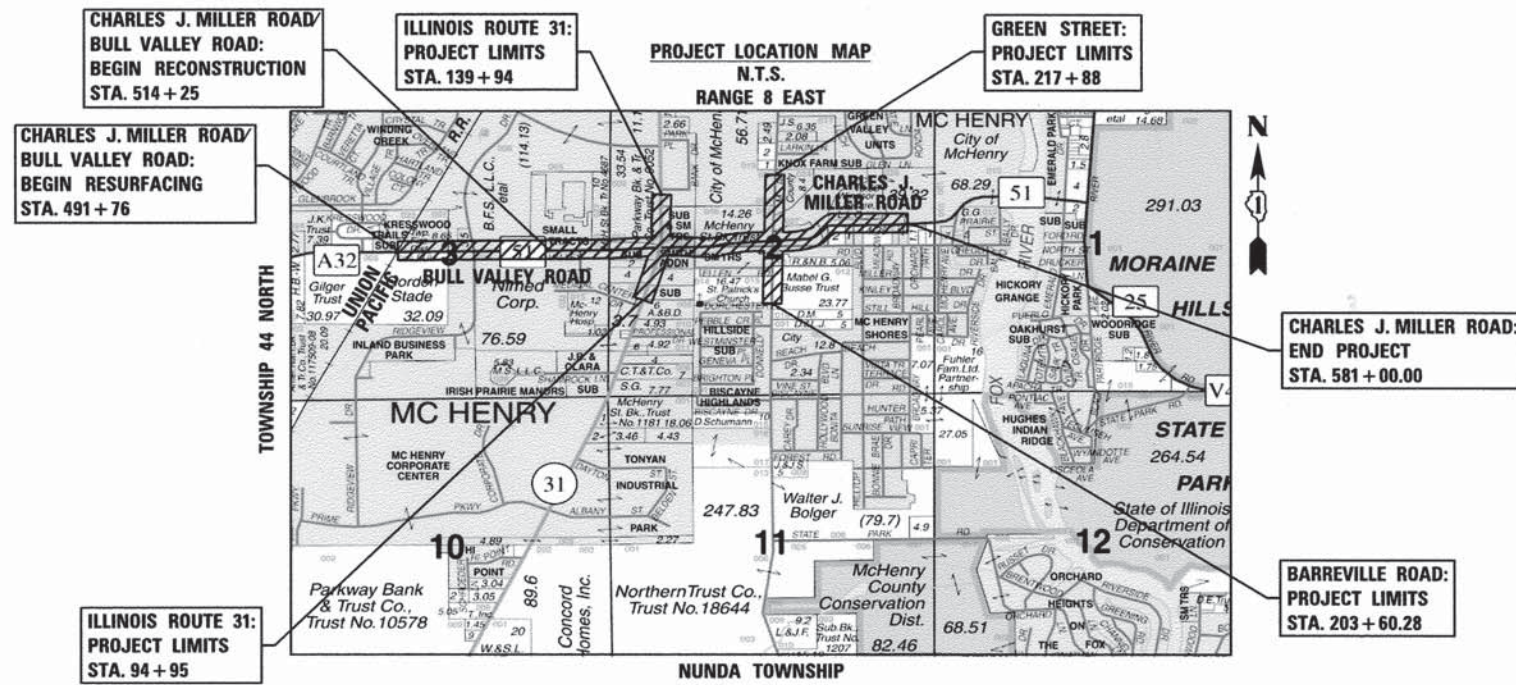
VOLUME I OF II

PROJECT LOCATED IN THE CITY OF MCHENRY



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.

J.U.I.E. JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION CALL 811. Includes 811 logo and text: 'Know what's below. Call before you dig.'



PROJECT LENGTH
NET LENGTH OF PROJECT (CHARLES J. MILLER ROAD) = GROSS LENGTH OF PROJECT = 8,924 (1.690 MI)

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS
APPROVED OCTOBER 16 20 14
PASSED NOVEMBER 13 20 14
RELEASING FOR BID BASED ON LIMITED REVIEW NOVEMBER 13 20 14

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

HRGreen logo and address: 420 NORTH FRONT STREET, SUITE 100 | MCHENRY, ILLINOIS 60050. Phone: 815.385.1778 | Toll Free: 800.728.7805 | Fax: 815.385.1781 | HRGreen.com

PROJECT MANAGER: J. PISHA

CONTRACT NO. 63892

PROFESSIONAL ENGINEER'S SIGN & SEAL FOR JEFFREY L. PISHA, P.E., S.E. Includes signature and seal.

PROFESSIONAL ENGINEER'S SIGN & SEAL FOR ROBERT G. DAVIES, P.E., S.E. Includes signature and seal.

PROFESSIONAL ENGINEER'S SIGN & SEAL FOR BRENDA D. LOWERY, P.E. Includes signature and seal.

COMPANY NAME: FAWAD AQUEEL, P.E., 847-705-4021 SCHAUMBURG
PROJECT CONTACT:
DATE PLOTTED: 10/14/2014 10:52:32 PM
PLOT DRIVER:
PLOT TABLE:

INDEX OF SHEETS

VOLUME I

1	COVER SHEET
2	INDEX OF SHEETS AND LIST OF STATE STANDARDS
3	GENERAL NOTES
4 - 10	SUMMARY OF QUANTITIES
11 - 17	TYPICAL SECTIONS
18 - 25	SCHEDULE OF QUANTITIES
26 - 31	ALIGNMENT, TIES AND BENCHMARKS
32	SUPERELEVATION TABLES
33 - 39	ROADWAY PLAN AND PROFILE - BULL VALLEY/CHARLES J. MILLER ROAD
40 - 42	ROADWAY PLAN AND PROFILE - IL ROUTE 31
43	ROADWAY PLAN AND PROFILE - GREEN STREET/BARREVILLE ROAD
44	SUGGESTED MAINTENANCE OF TRAFFIC PLAN - GENERAL NOTES
45 - 55	SUGGESTED MAINTENANCE OF TRAFFIC PLAN - TYPICAL SECTIONS
56	SUGGESTED MAINTENANCE OF TRAFFIC PLAN - TEMPORARY SIGN DETAILS
57 - 60	SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 1 - BULL VALLEY/CHARLES J. MILLER ROAD
61 - 62	SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 1 - IL ROUTE 31
63	SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 1 - GREEN STREET/BARREVILLE ROAD
64 - 67	SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 2 - BULL VALLEY/CHARLES J. MILLER ROAD
68 - 69	SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 2 - IL ROUTE 31
70	SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 2 - GREEN STREET/BARREVILLE ROAD
71 - 74	SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 3 - BULL VALLEY/CHARLES J. MILLER ROAD
75 - 76	SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 3 - IL ROUTE 31
77	SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 3 - GREEN STREET
78 - 82	SUGGESTED MAINTENANCE OF TRAFFIC - CHARLES J. MILLER ROAD AT GREEN STREET/BARREVILLE ROAD
83 - 89	SUGGESTED MAINTENANCE OF TRAFFIC - BULL VALLEY/CHARLES J. MILLER ROAD AT IL ROUTE 31
90 - 92	EROSION CONTROL PLAN - BULL VALLEY/CHARLES J. MILLER ROAD
93 - 94	EROSION CONTROL PLAN - IL ROUTE 31
95	EROSION CONTROL PLAN - GREEN STREET/BARREVILLE ROAD
96 - 97	EROSION CONTROL DETAILS
98 - 101	DRAINAGE AND UTILITY REMOVAL PLAN - BULL VALLEY/CHARLES J. MILLER ROAD
102 - 103	DRAINAGE AND UTILITY REMOVAL PLAN - IL ROUTE 31
104	DRAINAGE AND UTILITY REMOVAL PLAN - GREEN STREET/BARREVILLE ROAD
105 - 108	DRAINAGE AND UTILITY PLAN AND PROFILE - BULL VALLEY/CHARLES J. MILLER ROAD
109 - 111	DRAINAGE AND UTILITY PLAN AND PROFILE - IL ROUTE 31
112	DRAINAGE AND UTILITY PLAN AND PROFILE - GREEN STREET/BARREVILLE ROAD
113	RIPRAP DETAILS
114 - 121	DRAINAGE SCHEDULE OF QUANTITIES
122 - 125	WATERMAIN PLAN & PROFILE - BULL VALLEY/CHARLES J. MILLER ROAD
126 - 128	WATERMAIN PLAN & PROFILE - IL ROUTE 31
129	WATERMAIN PLAN & PROFILE - GREEN STREET/BARREVILLE ROAD
130 - 131	DETENSION BASIN 1 GRADING PLAN
132	DETENSION BASIN 2 GRADING PLAN
133 - 152	PLAT OF HIGHWAYS
153	PROPOSED PAVEMENT JOINTING AND ELEVATION PLAN - BULL VALLEY/CHARLES J. MILLER ROAD AT IL RTE 31
154	PROPOSED INTERSECTION ELEVATION PLAN - CHARLES J. MILLER ROAD AT LAWRENCE PARKWAY AND OLD BULL VALLEY ROAD
155	PROPOSED INTERSECTION ELEVATION PLAN - CHARLES J. MILLER ROAD AT GREEN STREET/BARREVILLE ROAD
156	PROPOSED INTERSECTION ELEVATION PLAN - CHARLES J. MILLER ROAD AT ACCESS DRIVE
157	PROPOSED INTERSECTION ELEVATION PLAN - IL RTE 31 AT MERCY DRIVE AND W MEDICAL CENTER DRIVE
158	PROPOSED INTERSECTION ELEVATION PLAN - GREEN STREET/BARREVILLE ROAD AT BANK DRIVE AND W ELLEN ROAD
159 - 162	PAVEMENT MARKING, SIGNING, AND LANDSCAPING PLAN - BULL VALLEY/CHARLES J. MILLER ROAD
163	PAVEMENT MARKING, SIGNING, AND LANDSCAPING PLAN - IL ROUTE 31
164	PAVEMENT MARKING, SIGNING, AND LANDSCAPING PLAN - IL ROUTE 31 AND GREEN STREET/BARREVILLE ROAD
165	SIGNING LEGEND
166	SIGN DETAILS
167 - 175	DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAILS
176 - 181	TEMPORARY TRAFFIC SIGNAL PLAN - CHARLES J. MILLER ROAD AT IL ROUTE 31
182 - 186	TRAFFIC SIGNAL INSTALLATION PLAN - CHARLES J. MILLER ROAD AND IL ROUTE 31
187 - 190	TEMPORARY TRAFFIC SIGNAL PLAN - CHARLES J. MILLER ROAD AT GREEN STREET
191 - 194	TRAFFIC SIGNAL INSTALLATION PLAN - CHARLES J. MILLER ROAD AND GREEN STREET
195	TEMPORARY INTERCONNECT PLAN - CHARLES J. MILLER ROAD AND IL ROUTE 31
196	TEMPORARY INTERCONNECT SCHEMATIC - CHARLES J. MILLER ROAD AND IL ROUTE 31
197	INTERCONNECT PLAN - CHARLES J. MILLER ROAD AND IL ROUTE 31
198	INTERCONNECT SCHEMATIC - CHARLES J. MILLER ROAD AND IL ROUTE 31
199	LIGHTING PLAN - GENERAL NOTES, SCHEDULE OF QUANTITIES AND LEGEND
200	LIGHTING PLAN - CHARLES J. MILLER ROAD AT GREEN STREET PLAN
201	LIGHTING PLAN - CHARLES J. MILLER ROAD/GREEN STREET PLAN EXISTING/REMOVAL PLAN
202	LIGHTING PLAN - WIRING DIAGRAM
203	LIGHTING PLAN - ELECTRIC SERVICE INSTALLATION ABOVE GROUND (BE-220)
204	LIGHTING PLAN - ALUMINUM LIGHT POLE 40'-0" MOUNTING HEIGHT
205	LIGHTING PLAN - MISCELLANEOUS ELECTRICAL DETAILS
206	LIGHTING PLAN - LIGHT POLE FOUNDATION, METAL
207	LIGHTING PLAN - LIGHTING CONTROLLER
208 - 216	STRUCTURAL PLAN - CHARLES J. MILLER ROAD RETAINING WALL #1

INDEX OF SHEETS (CONTINUED)

VOLUME II

217	COVER SHEET
218	INDEX OF SHEETS AND LIST OF STATE STANDARDS
219 - 232	IDOT DISTRICT 1 DETAILS
233 - 235	MCDOT DETAILS
236 - 305	CROSS SECTIONS - CHARLES J. MILLER ROAD
306 - 351	CROSS SECTIONS - IL ROUTE 31
352 - 358	CROSS SECTIONS - GREEN STREET/BARREVILLE ROAD

DISTRICT ONE DETAILS

BD-01	DRIVEWAY DETAILS - DISTANCE BETWEEN ROW AND FACE OF CURB & EDGE OF SHOULDER >= 15'(4.5 m)
BD-02	DRIVEWAY DETAILS - DISTANCE BETWEEN ROW AND FACE OF CURB < 15'(4.5 m)
BD-03	OUTLET FOR CONCRETE CURB AND GUTTER
BD-34	DETAILS FOR DEPRESSED CURB & GUTTER SHOULDER TREATMENT AT TBT TY 1 SPL.
BD-07	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER
BD-08	FRAMES AND LIDS ADJUSTMENT WITH MILLING; AND FRAMES AND LIDS ADJUSTMENT WITHOUT MILLING
BD-22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD-32	BUTT JOINT AND HMA TAPER DETAILS
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-11	RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT)
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS, (TO REMAIN OPEN TO TRAFFIC)
TC-16	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
TC-22	ARTERIAL ROAD INFORMATION SIGN
TC-26	DRIVEWAY ENTRANCE SIGNING

STATE STANDARDS

STANDARD NO.	LIST OF DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
202001-01	EARTH MEDIAN DITCH CHECK
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-08	PAVEMENT JOINTS
420106-05	36' (10.8M) JOINTED PCC PAVEMENT
424001-08	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-02	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-02	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016-02	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021-03	DEPRESSED CORNER FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
601001-04	SUB-SURFACE DRAINS
601101-01	CONCRETE HEADWALL FOR PIPE DRAIN
602001-02	CATCH BASIN TYPE A
602011-02	CATCH BASIN, TYPE C
602301-04	INLET, TYPE A
602401-03	MANHOLE, TYPE A
602411-04	MANHOLE, TYPE A, 7' (2.1 M) DIAMETER
602416-04	MANHOLE, TYPE A, 8' (2.4 M) DIAMETER
602601-03	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-04	FRAME AND LIDS, TYPE 1
604036-03	GRATE TYPE B
604051-04	FRAME AND GRATE TYPE 11
604091-03	FRAME AND GRATE TYPE 24
606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
606306-03	CORRUGATED PC CONCRETE MEDIANS
630001-10	STEEL PLATE BEAM GUARDRAIL
630201-06	PCC/HMA SHOULDER STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-06	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-09	TRAFFIC BARRIER TERMINAL, TYPE 2
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-04	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701426-06	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS • 45 MPH
701427-03	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS • 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701602-07	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701701-09	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-05	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-04	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)
731001-01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-03	HANDHOLES
814006-02	DOUBLE HANDHOLES
836001-02	LIGHT POLE FOUNDATION
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
876001-03	PEDESTRIAN PUSH BUTTON POST
877001-05	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-10	CONCRETE FOUNDATION DETAILS
880001-01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUT FOR DETECTION LOOPS

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 12/4/2014 8:45:42 AM
 FILE NAME: 090071-gen-01.dgn
 PLOT DRIVER: pdf.plt
 PEN TABLE: sfen020-d-trans.tbl



USER NAME = tye1ton	DESIGNED - JPA	REVISED -
FILE NAME = 090071-gen-01.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = N.T.S.	CHECKED - JLP	REVISED -
PLOT DATE = 12/4/2014	DATE - 12/5/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS AND STATE STANDARDS
CHARLES J. MILLER ROAD ROADWAY IMPROVEMENTS**

SCALE: N.T.S.	SHEET NO. 1 OF 2 SHEETS	STA. TO STA.	F.A.J. RTE. 3860	SECTION 09-00372-01-PW	COUNTY MCHENRY	TOTAL SHEETS 358	SHEET NO. 2
CONTRACT NO. 63892						FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT	

GENERAL NOTES

- ALL REFERENCES TO "STANDARD SPECIFICATIONS" IN THESE GENERAL NOTES SHALL BE INTERPRETED TO MEAN "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION, JANUARY 1, 2012. ALL WORK TO BE COMPLETED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
- ALL REFERENCES TO "ENGINEER" SHALL BE INTERPRETED TO MEAN THE RESIDENT ENGINEER.
- PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AFFECTING THEIR WORK WITH THE ACTUAL CONDITIONS AT THE JOB SITE. 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.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS PRIOR TO BIDDING ON THE PROJECT.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION) AT 8-1-1, THE CITY OF MCHENRY AT (815) 363-2100, AND MCDOT AT (815) 334-4960 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION IS REQUIRED).
- ALL ELEVATIONS SHOWN ON THE PLANS ARE ON THE USGS DATUM.
- ALL RADII FOR PROPOSED CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED. CURB AND GUTTER ELEVATIONS SHOWN ALONG RETURNS AND AT POINTS OF CURVATURE, ETC. ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
- OFFSET LOCATIONS GIVEN IN THE PLANS FOR STRUCTURES, EDGE OF PAVEMENT, ETC. ARE FROM THE ROADWAY CENTERLINE.
- THE BITUMINOUS MATERIAL PRIME COAT QUANTITIES HAVE BEEN DETERMINED USING A RATE OF 0.1 GALLONS / SQ YD.
- SAW CUTTING OF PAVEMENTS, SIDEWALK, ETC. SHALL BE TO FULL DEPTH AND SHALL RESULT IN A CLEAN STRAIGHT EDGE ON THE PORTION REMAINING. ALL SAW CUTTING SHALL BE CONSIDERED INCLUDED IN THE ITEM REMOVED.
- DRIVEWAYS ARE TO BE CONSTRUCTED TO THE R.O.W. OR UNLESS OTHERWISE NOTED.
- REMOVAL OF EXISTING COMBINATION CURB AND GUTTER, REGARDLESS OF CURB AND GUTTER TYPE, SHALL BE PAID FOR AS "COMBINATION CURB AND GUTTER REMOVAL".
- ALL CONSTRUCTION PERSONNEL WILL BE REQUIRED TO WEAR VESTS AT ALL TIMES THAT MEET THE ANSI 207 STANDARD WHILE ON THE CONSTRUCTION SITE. COMPLIANCE WITH THIS REQUIREMENT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT.
- ALL PROPOSED COMMERCIAL ENTRANCES ARE COMPRISED OF 6 INCHES OF HOT-MIX ASPHALT, BASE COURSE, AND 2 INCHES OF HOT-MIX ASPHALT, SURFACE COURSE, UNLESS OTHERWISE NOTED ON THE PLANS. PRIVATE DRIVEWAYS ARE COMPRISED OF 4 INCHES OF HOT-MIX ASPHALT, BASE COURSE, AND 2 INCHES OF HOT-MIX ASPHALT, SURFACE COURSE.
- THE CURB & GUTTER SHALL BE DEPRESSED THROUGH DRIVEWAYS AND PAID FOR AS COMBINATION CONCRETE CURB & GUTTER AS NOTED ON THE PLANS.
- AGGREGATE SUBGRADE IMPROVEMENT (ASI) IN CUBIC YARDS, HAS BEEN PROVIDED FOR GENERAL USE. THE ACTUAL NEED FOR REMOVAL OF UNSUITABLE AND UNSTABLE SOILS AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSUITABLE AND/OR UNSUITABLE MATERIAL IS ENCOUNTERED, THE SOIL SHALL BE REMOVED BY THE CONTRACTOR AT THE DIRECTION OF THE ENGINEER. IF UNSUITABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED FROM THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE DUE TOWARDS THE CONTRACTOR. IN THE AREAS WHERE ASI IS PLACED, A GEOTEXTILE GROUND STABILIZATION FABRIC WILL BE PLACED UNDER THE ASI.
- THE THICKNESSES OF HOT MIX ASPHALT MIXTURES SHOWN IN THE PLANS ARE NOMINAL. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE SURFACES OR BASES ON WHICH THE HOT MIX ASPHALT MIXTURES ARE TO BE PLACED.
- WHERE NEW WORK MEETS EXISTING FEATURES TO REMAIN, FIELD CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE PROCEEDING WITH CONSTRUCTION, NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
- THE INDISCRIMINATE USE OF FIRE HYDRANTS OR EXISTING STREAMS, CREEKS, WETLANDS OR PONDS IS STRICTLY PROHIBITED. THE CONTRACTOR SHALL PROVIDE A WATER TRUCK AND DRIVER AS REQUIRED TO OBTAIN AND TRANSPORT THIS WATER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING WATER FROM AN APPROVED SOURCE. IF THIS WATER IS FROM A SOURCE OTHER THAN HIS YARD, WRITTEN APPROVAL FROM THE AGENCY HAVING JURISDICTION FOR THE SOURCE OF THE WATER MUST BE RECEIVED BY THE ENGINEER PRIOR TO USE OF THE WATER.
- ALL REFERENCES IN THE HIGHWAY STANDARDS AND STANDARD SPECIFICATIONS FOR REINFORCEMENT, DOWEL BARS AND TIE BARS IN PAVEMENT, SHOULDERS, CURB, GUTTER, COMBINATION CURB AND GUTTER AND MEDIAN, AND CHAIR SUPPORTS FOR CRC PAVEMENT, SHALL BE EPOXY COATED, UNLESS NOTED ON THE PLAN.
- RAMPED NOSE ADJACENT TO GRASS MEDIAN SHALL BE PAID FOR AS COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12. RAMPED NOSE ADJACENT TO CONCRETE MEDIAN SURFACE SHALL BE PAID FOR AS CONCRETE MEDIAN, TYPE SB-6.12.
- TEMPORARY FENCE SHALL BE USED FOR TREE PROTECTION. ALL TREE PROTECTION SHALL BE PAID FOR AS TEMPORARY FENCE.
- THE EXISTING PATH ALONG THE SOUTH SIDE OF MILLER ROAD WILL BE CLOSED DURING CONSTRUCTION UNLESS OTHERWISE AUTHORIZED BY THE MCHENRY COUNTY DIVISION OF TRANSPORTATION.
- CONTRACTOR SHALL ABIDE BY ACCESSIBLE PUBLIC RIGHT-OF-WAY REQUIREMENTS.
- IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO COORDINATE WITH THE UNION PACIFIC RAILROAD WHENEVER CONSTRUCTION ACTIVITY IS WITHIN 25 FEET OF THE RAILROAD ROW. THE CONTRACTOR SHALL RETAIN FLAGMEN EMPLOYED AND DESIGNATED BY THE UNION PACIFIC RAILROAD TO MONITOR ONCOMING TRAIN TRAFFIC, AND ADVISE CONTRACTOR PERSONNEL WHEN ACTIVITY ON OR NEAR THE RAILROAD RIGHT-OF-WAY MAY PROCEED. THIS ITEM WILL BE PAID FOR ACCORDING TO ARTICLE 107.12 AND WILL BE REIMBURSED ACCORDING TO ARTICLE 109.05.

26. IN ACCORDANCE WITH ARTICLE 107.20 OF THE STANDARD SPECIFICATIONS, ALL MAILBOXES SHALL BE REMOVED, MAINTAINED, AND REINSTALLED UPON CONCLUSION OF CONSTRUCTION. THIS WORK SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.

27. ALL PROPOSED SIDEWALK THAT CONTINUES THROUGH PROPOSED DRIVEWAYS SHALL MATCH THE THICKNESS OF THE ENTRANCE, BUT SHALL BE PAID FOR AS PORTLAND CEMENT CONCRETE SIDEWALK, 5".

STORM SEWERS, WATER MAINS, AND UTILITIES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL UTILITIES PRIOR TO CONSTRUCTION TO DETERMINE THE LOCATION OF ALL UTILITY EQUIPMENT. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS IF UTILITY RELOCATION, ADJUSTMENT, OR PROTECTION IS NECESSARY.

2. 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.

3. 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 ENGINEER AT THE CONTRACTOR'S EXPENSE.

4. ALL UTILITY COMPANIES SHALL BE NOTIFIED AT LEAST 3 DAYS PRIOR TO THE START OF CONSTRUCTION.

5. THE CONTRACTOR SHALL PROTECT EXISTING OR NEW UTILITIES WHEN CONSIDERED NECESSARY BY METHODS APPROVED BY THE ENGINEER, AND HE SHALL BRACE AND SUPPORT THE UTILITIES PROPERLY TO PREVENT SETTLEMENT, DISPLACEMENT, OR DAMAGE TO THE UTILITIES. THE PROTECTION OF THE UTILITIES SPECIFIED HEREIN WILL NOT BE PAID FOR SEPARATELY, BUT THE COST THEREOF SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT.

6. UNLESS OTHERWISE NOTED OFFSETS FOR DRAINAGE STRUCTURES LOCATED IN CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT AND OFFSETS FOR DRAINAGE STRUCTURES NOT LOCATED IN THE CURB AND GUTTER ARE TO THE CENTER OF THE STRUCTURE.

7. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS 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 WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.

8. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN, IN AN OPERATING CONDITION, TEMPORARY OUTLETS AND CONNECTIONS FOR ALL DRAINS, SEWERS, AND CATCH BASINS. THE CONTRACTOR SHALL PROVIDE FACILITIES WHICH HAVE THE CAPACITY TO RECEIVE AND DISCHARGE THE STORM WATER FLOW RATES NORMALLY ACCEPTED AND RELEASED BY THE EXISTING DRAINAGE FACILITIES. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.

9. ALL FRAMES, GRATES, LIDS, AND BOXES SCHEDULED TO BE REMOVED FROM EXISTING STRUCTURES ON BULL VALLEY/CHARLES J. MILLER ROAD SHALL REMAIN THE PROPERTY OF AND BE DELIVERED TO THE MCHENRY COUNTY DIVISION OF TRANSPORTATION AT 16111 NELSON ROAD, WOODSTOCK, IL 60098. THESE ITEMS TO BE REMOVED FROM IL ROUTE 31 AND GREEN STREET/BARREVILLE ROAD WILL NOT BE SALVAGED.

10. ANY ITEMS DAMAGED DURING REMOVAL OPERATIONS SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE. THE COST OF SALVAGING EXISTING FRAMES, GRATES, LIDS, OR BOXES AND/OR STOCKPILING THEM ON THE JOB SITE FOR DELIVERY TO THE APPLICABLE AGENCY, AS APPLICABLE SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

11. ALL FRAMES WITH CLOSED LIDS TO BE FURNISHED AS PART OF THE CONTRACT FOR CONSTRUCTION, ADJUSTMENT OR RECONSTRUCTION OF ANY MANHOLE, CATCH BASIN, INLET, VALVE VAULT OR METER VAULT SHALL HAVE CAST INTO THE LID ONE OF THE FOLLOWING WORDS: ALL LIDS TO BE USED ON STORM SEWER STRUCTURES SHALL BEAR THE WORD "STORM." ALL LIDS TO BE USED ON SANITARY SYSTEM STRUCTURES SHALL BEAR THE WORD "SANITARY." ANY ADDITIONAL COST FOR THIS REQUIREMENT WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE FRAMES AND CLOSED LIDS PROVIDED.

12. FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES ON ALL NEW, ADJUSTED OR RECONSTRUCTED STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED AS PART OF THE STRUCTURE, ADJUSTMENT OR RECONSTRUCTION COST.

13. ALL STORM SEWER SHALL BE REINFORCED CONCRETE PIPE WITH FLEXIBLE GASKET MEETING THE REQUIREMENTS OF ASTM C361. THIS ITEM WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE PRICE OF STORM SEWER.

14. ONLY PRECAST CONCRETE ADJUSTMENT RINGS, MAXIMUM OF 12" IN HEIGHT, WILL BE ALLOWED IN THE ADJUSTMENT OR RECONSTRUCTION OF CATCH BASIN, MANHOLE, INLET AND VALVE VAULT STRUCTURES. COMMON BRICK WILL NOT BE ALLOWED. THE RINGS SHALL BE INCLUDED IN THE COST OF WORK BEING PERFORMED.

BACKFILL

- STORM SEWER SHALL BE BACK FILLED IN ACCORDANCE WITH ARTICLE 550.07, METHOD 1 ONLY.
- PROVIDE TRENCH BACKFILL FOR ALL UTILITY LINES WITHIN 2' OF PAVED AREAS. ALL TRENCH BACKFILL QUANTITIES FOR STORM SEWER HAVE BEEN COMPUTED AND SHALL BE PAID FOR IN ACCORDANCE WITH THE STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS BUREAU OF CONSTRUCTION TRENCH BACKFILL TABLE, BASED ON PIPE SIZE AND INVERT DEPTH FROM SUBGRADE.

SIGNING AND STRIPING

- SEE IDOT STANDARD DETAIL 780001, DISTRICT ONE DETAIL AND PLAN SHEETS FOR PAVEMENT MARKING DETAILS.
- SIGNS SHALL NOT BE MOVED OR COVERED UNTIL PROGRESS OF WORK NECESSITATES IT.
- THE CONTRACTOR WILL BE REQUIRED TO TEMPORARILY RESET ALL SUCH SIGNS THAT INTERFERE WITH HIS CONSTRUCTION OPERATIONS. ALL SUCH SIGNS MUST BE MAINTAINED STRAIGHT AND CLEAN FOR THE DURATION OF THE TEMPORARY SETTING AND MUST BE RE-ERECTED AT A TEMPORARY LOCATION IN A WORKMANLIKE MANNER AND BE VISIBLE TO THE TRAFFIC FOR WHICH IT IS INTENDED. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.

4. ALL SIGNS SHALL BE INSTALLED OR RELOCATED IN PERMANENT LOCATIONS AS THE ROADWAY IS COMPLETED. THIS WORK SHALL BE PAID FOR USING THE APPROPRIATE PAY ITEMS.

5. ALL SIGNS TO BE REMOVED ALONG BULL VALLEY/CHARLES J. MILLER ROAD SHALL REMAIN THE PROPERTY OF THE MCDOT AND SHALL BE RETURNED TO MCDOT AT 16111 NELSON ROAD, WOODSTOCK, IL 60098 UPON REMOVAL. ALL SIGNS TO BE REMOVED ALONG IL ROUTE 31 SHALL REMAIN THE PROPERTY OF IDOT. THE CONTRACTOR SHALL CONTACT MCHENRY COUNTY ARTERIAL FIELD ENGINEER WALTER CZARNY (847-438-2300) PRIOR TO SIGN REMOVAL TO DETERMINE A LOCATION FOR DELIVERY OF SALVAGED SIGNS TO IDOT. SIGNS TO BE REMOVED ALONG GREEN STREET/BARREVILLE ROAD WILL NOT BE SALVAGED.

6. LONGER POSTS MAY BE REQUIRED AT SOME TEMPORARY OR PERMANENT SIGN LOCATIONS TO MAINTAIN PROPER SIGN ELEVATIONS. THIS WORK SHALL BE PAID FOR AS TELESCOPING STEEL SIGN SUPPORT, SPECIAL.

EROSION CONTROL PLANS

- SEE EROSION CONTROL PLANS FOR GENERAL NOTES CONCERNING EROSION CONTROL.

TRAFFIC CONTROL

- SEE TRAFFIC CONTROL PLANS FOR GENERAL NOTES CONCERNING TRAFFIC CONTROL AND PROTECTION.

EARTHWORK

- PRIOR TO ANY EMBANKMENT PLACEMENT ALL VEGETATION AND UNSTABLE MATERIAL SHOULD BE REMOVED TO DEPTH ENCOUNTERED AND REPLACED WITH SUITABLE EMBANKMENT MATERIAL AS APPROVED BY THE ENGINEER.
- EXISTING TOPSOIL IS ASSUMED TO BE 6 INCHES IN THICKNESS AND IS REMOVED UNDER THE PAY ITEM, REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL.

STRUCTURAL PLANS

- SEE STRUCTURAL PLANS FOR GENERAL NOTES CONCERNING STRUCTURAL DESIGN.

LIGHTING PLANS

- SEE LIGHTING PLANS FOR GENERAL NOTES CONCERNING LIGHTING DESIGN.

12/17/2014 5:03:30 PM
 090071-gen-02.dgn
 per:chl
 standard-trans.tbl

HRGreen.com
 Illinois Professional Design Firm
 #184-001322

USER NAME = tje1ton	DESIGNED - JPA	REVISED -
FILE NAME = 090071-gen-02.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = N.T.S.	CHECKED - JLP	REVISED -
PLOT DATE = 12/3/2014	DATE - 12/5/14	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES
 CHARLES J. MILLER ROAD ROADWAY IMPROVEMENTS**

SCALE: N.T.S. SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	3
CONTRACT NO. 63892				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL	ROADWAY 80% FEDERAL 20% LOCAL 0003	RETAINING WALL 80% FEDERAL 20% LOCAL 0040	SIGNALS - IL RTE 31 80% FEDERAL 20% LOCAL 0021	SIGNALS - GREEN ST 80% FEDERAL 20% LOCAL 0021	SIGNALS - INTERCONNECT 80% FEDERAL 20% LOCAL 0021	LIGHTING 80% FEDERAL 20% LOCAL 0021	LOCAL 0% FEDERAL 100% LOCAL 0043	Multi-Use Path 80% FED 20% LOCAL 0028
20101000	TEMPORARY FENCE	FOOT	1,120	1,120							
20200100	EARTH EXCAVATION	CU YD	35,555	35,555							
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	35,345	35,235	110						
20800150	TRENCH BACKFILL	CU YD	5,434	5,434							
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	82,880	82,880							
* 21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	71,440	71,440							
* 21101685	TOPSOIL FURNISH AND PLACE, 24"	SO YD	5,570	5,570							
* 25000210	SEEDING, CLASS 2A	ACRE	11	11							
* 25000312	SEEDING, CLASS 4A	ACRE	4	4							
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	1,401	1,401							
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	1,401	1,401							
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	1,401	1,401							
* 25100635	HEAVY DUTY EROSION CONTROL BLANKET	SO YD	13,880	13,880							
* 25100900	TURF REINFORCEMENT MAT	SO YD	100	100							
* 25200110	SODDING, SALT TOLERANT	SO YD	5,140	5,140							
* 25200200	SUPPLEMENTAL WATERING	UNIT	257	257							
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1,592	1,592							
28000305	TEMPORARY DITCH CHECKS	FOOT	1,210	1,210							
28000400	PERIMETER EROSION BARRIER	FOOT	19,000	19,000							
28000500	INLET AND PIPE PROTECTION	EACH	35	35							
28000510	INLET FILTERS	EACH	182	182							
28001100	TEMPORARY EROSION CONTROL BLANKET	SO YD	57,565	57,565							
28100101	STONE RIPRAP, CLASS A1	SO YD	35	35							
28100105	STONE RIPRAP, CLASS A3	SO YD	165	165							
28100107	STONE RIPRAP, CLASS A4	SO YD	45	45							
28100109	STONE RIPRAP, CLASS A5	SO YD	25	25							
28100709	STONE DUMPED RIPRAP, CLASS A5	SO YD	75		75						
28200200	FILTER FABRIC	SO YD	270	270							
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	5,390	5,390							
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SO YD	95,105	95,105							
31101400	SUBBASE GRANULAR MATERIAL, TYPE B 6"	SO YD	5,580	2,966							2,614
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	57,582	57,582							
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	2,193	2,193							
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	598	598							
40600990	TEMPORARY RAMP	SO YD	250	250							
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	602								602
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	301								301
40603595	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	TON	2,767	2,767							
40701841	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 8"	SO YD	4,550	4,550							
40701961	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 14"	SO YD	41,251	41,251							
42000416	PORTLAND CEMENT CONCRETE PAVEMENT 9 3/4" (JOINTED)	SO YD	28,476	28,476							
42001300	PROTECTIVE COAT	SO YD	40,093	40,093							

* SPECIALTY ITEM
X CONSTRUCTION TYPE CODE 0042

COMPANY NAME: HRGreen
PROJECT CONTACT: HRGreen.com
DATE PLOTTED: 12/4/2014 9:40:59 AM
PLOT SCALE: N.T.S.
PLOT DATE: 12/4/2014
PEN TABLE: Standard-Trans.tbl



USER NAME = tyeilton	DESIGNED - JPA	REVISED -
FILE NAME = 090071-sum.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = N.T.S.	CHECKED - JLP	REVISED -
PLOT DATE = 12/4/2014	DATE - 12/5/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
CHARLES J. MILLER ROAD ROADWAY IMPROVEMENTS**

SCALE: N.T.S. SHEET NO. 1 OF 7 SHEETS STA. TO STA.


F.A.U. RTE. 3860	SECTION 09-00372-01-PW	COUNTY MCHENRY	TOTAL SHEETS 358	SHEET NO. 4
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63892	

SUMMARY OF QUANTITIES (CONTINUED)

PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL	ROADWAY 80% FEDERAL 20% LOCAL 0003	RETAINING WALL 80% FEDERAL 20% LOCAL 0040	SIGNALS - IL RTE 31 80% FEDERAL 20% LOCAL 0021	SIGNALS - GREEN ST 80% FEDERAL 20% LOCAL 0021	SIGNALS - INTERCONNECT 80% FEDERAL 20% LOCAL 0021	LIGHTING 80% FEDERAL 20% LOCAL 0021	LOCAL 0% FEDERAL 100% LOCAL 0043
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	26,690	26,690						
42400800	DETECTABLE WARNINGS	SO FT	600	600						
44000100	PAVEMENT REMOVAL	SO YD	79,602	79,602						
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SO YD	5,991	5,991						
44000166	HOT-MIX ASPHALT SURFACE REMOVAL, 4 1/4"	SO YD	16,651	16,651						
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	4,018	4,018						
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	15,684	15,684						
44000600	SIDEWALK REMOVAL	SO FT	11,658	11,658						
44004000	PAVED DITCH REMOVAL	FOOT	538	538						
44004250	PAVED SHOULDER REMOVAL	SO YD	3,370	3,370						
44201745	CLASS D PATCHES, TYPE III, 8 INCH	SO YD	158	158						
44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SO YD	754	754						
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SO YD	2,808	2,808						
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SO YD	54	54						
50200100	STRUCTURE EXCAVATION	CU YD	1,995		1,995					
50300225	CONCRETE STRUCTURES	CU YD	714.7		714.7					
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	74,270		74,270					
542A0213	PIPE CULVERTS, CLASS A, TYPE 1 8"	FOOT	53	53						
542A0217	PIPE CULVERTS, CLASS A, TYPE 1 12"	FOOT	26	26						
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	16	16						
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	2	2						
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	9	9						
54213666	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 21"	EACH	1	1						
54214509	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 24"	EACH	4	4						
54214521	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 36"	EACH	2	2						
54214539	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 54"	EACH	1	1						
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	3,943	3,943						
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	576	576						
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	2,112	2,112						
550A0400	STORM SEWERS, CLASS A, TYPE 2 21"	FOOT	22	22						
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	1,266	1,266						
550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	172	172						
550A0480	STORM SEWERS, CLASS A, TYPE 2 48"	FOOT	209	209						
550A0500	STORM SEWERS, CLASS A, TYPE 2 60"	FOOT	245	245						
550A4100	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24"	FOOT	46	46						
550A4500	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 36"	FOOT	210	210						
550A4720	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 54"	FOOT	78	78						
55100300	STORM SEWER REMOVAL 8"	FOOT	30	30						
55100400	STORM SEWER REMOVAL 10"	FOOT	55	55						
55100500	STORM SEWER REMOVAL 12"	FOOT	3,389	3,389						
55100700	STORM SEWER REMOVAL 15"	FOOT	3,671	3,671						
55100900	STORM SEWER REMOVAL 18"	FOOT	897	897						

- * SPECIALTY ITEM
- X CONSTRUCTION TYPE CODE 0042

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm #184-001322
 CLIENT: 090071-sum.dgn
 DATE PLOTTED: 12/14/2014 9:42:01 AM
 FILE NAME: 090071-sum.dgn
 PLOT DRIVER: pefplot
 PEN TABLE: standard-trans.tbl

	HRGreen.com Illinois Professional Design Firm #184-001322	USER NAME = tjelton	DESIGNED - JPA	REVISED -
		FILE NAME = 090071-sum.dgn	DRAWN - SVJ	REVISED -
		PLOT SCALE = N.T.S.	CHECKED - JLP	REVISED -
		PLOT DATE = 12/14/2014	DATE - 12/5/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
CHARLES J. MILLER ROAD ROADWAY IMPROVEMENTS**

F.A.U. RTE. 3860	SECTION 09-00372-01-PW	COUNTY MCHENRY	TOTAL SHEETS 358	SHEET NO. 5
SCALE: N.T.S.		SHEET NO. 2 OF 7 SHEETS		STA. TO STA.
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 63892

SUMMARY OF QUANTITIES (CONTINUED)

PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL	ROADWAY 80% FEDERAL 20% LOCAL 0003	RETAINING WALL 80% FEDERAL 20% LOCAL 0040	SIGNALS - IL RTE 31 80% FEDERAL 20% LOCAL 0021	SIGNALS - GREEN ST 80% FEDERAL 20% LOCAL 0021	SIGNALS - INTERCONNECT 80% FEDERAL 20% LOCAL 0021	LIGHTING 80% FEDERAL 20% LOCAL 0021	LOCAL 0% FEDERAL 100% LOCAL 0043
55101100	STORM SEWER REMOVAL 21"	FOOT	218	218						
55101200	STORM SEWER REMOVAL 24"	FOOT	1,116	1,116						
55101400	STORM SEWER REMOVAL 30"	FOOT	117	117						
* 56101162	DUCTILE IRON WATER MAIN REDUCER, 12" X 10"	EACH	1							1
• 56103200	DUCTILE IRON WATER MAIN 10"	FOOT	6							6
• 56103300	DUCTILE IRON WATER MAIN 12"	FOOT	835							835
• 56106600	ADJUSTING WATER MAIN 12"	FOOT	350							350
• 56400500	FIRE HYDRANTS TO BE REMOVED	EACH	9							9
• 56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	7							7
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	652		652					
60109510	PIPE UNDERDRAINS, FABRIC LINED TRENCH 4"	FOOT	492	492						
60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	3	3						
60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	2	2						
60201105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	44	44						
60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	54	54						
60204505	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	EACH	1	1						
60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	12	12						
60207905	CATCH BASINS, TYPE C, TYPE 11 FRAME AND GRATE	EACH	3	3						
60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	EACH	11	11						
60218300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	2	2						
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	20	20						
60221000	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1						
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	11	11						
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2						
60224005	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 8 GRATE	EACH	1	1						
60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4	4						
60224448	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 8 GRATE	EACH	1	1						
60224458	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 8 GRATE	EACH	2	2						
60224459	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1						
60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	1	1						
60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	35	35						
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	20	20						
60256400	MANHOLES TO BE ADJUSTED WITH NEW TYPE 8 GRATE	EACH	1	1						
60500040	REMOVING MANHOLES	EACH	20	20						
60500050	REMOVING CATCH BASINS	EACH	18	18						
60500060	REMOVING INLETS	EACH	55	55						
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	3.5	3.5						
60600605	CONCRETE CURB, TYPE B	FOOT	369	369						
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	9,010	9,010						
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	183	183						
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	18,734	18,734						
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SO FT	454	454						

• SPECIALTY ITEM
X CONSTRUCTION TYPE CODE 0042

COMPANY NAME: HRGreen
PROJECT CONTACT: HRGreen.com
CLIENT: Illinois Professional Design Firm
DATE PLOTTED: 11/11/2014 10:23:15 AM
FILE NAME: 090071-sum.dgn
PLOT DRIVER: pdf.pdf
PEN TABLE: standard-trans.tbl



USER NAME = tyelton	DESIGNED - JPA	REVISED -
FILE NAME = 090071-sum.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = N.T.S.	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE - 11/12/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
CHARLES J. MILLER ROAD ROADWAY IMPROVEMENTS**

SCALE: N.T.S. SHEET NO. 3 OF 7 SHEETS STA. TO STA.

F.A.U. RTE. 3860	SECTION 09-00372-01-PW	COUNTY MCHENRY	TOTAL SHEETS 358	SHEET NO. 6
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63892	

SUMMARY OF QUANTITIES (CONTINUED)

PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL	ROADWAY 80% FEDERAL 20% LOCAL 0003	RETAINING WALL 80% FEDERAL 20% LOCAL 0040	SIGNALS - IL RTE 31 80% FEDERAL 20% LOCAL 0021	SIGNALS - GREEN ST 80% FEDERAL 20% LOCAL 0021	SIGNALS - INTERCONNECT 80% FEDERAL 20% LOCAL 0021	LIGHTING 80% FEDERAL 20% LOCAL 0021	LOCAL 0% FEDERAL 100% LOCAL 0043
60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	14,716	14,716						
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	775	775						
* 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	312.5	312.5						
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2	2						
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	1	1						
* 63301210	REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	62.5	62.5						
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	10,000	10,000						
* 66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1	1						
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	5	5						
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	17	17						
67100100	MOBILIZATION	L SUM	1	1						
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	415	415						
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	96	96						
70300100	SHORT TERM PAVEMENT MARKING	FOOT	14,310	14,310						
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	895	895						
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	70,015	70,015						
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	3,980	3,980						
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	945	945						
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	285	285						
70300510	PAVEMENT MARKING TAPE, TYPE III - LETTERS AND SYMBOLS	SQ FT	2117	2117						
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	60,240	60,240						
70300540	PAVEMENT MARKING TAPE, TYPE III 6"	FOOT	8,355	8,355						
70300560	PAVEMENT MARKING TAPE, TYPE III 12"	FOOT	220	220						
70300570	PAVEMENT MARKING TAPE, TYPE III 24"	FOOT	370	370						
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	71,126	71,126						
70400100	TEMPORARY CONCRETE BARRIER	FOOT	6,775	6,775						
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	6,937.5	6,937.5						
* 70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	11	11						
* 70600332	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	15	15						
* 72000100	SIGN PANEL - TYPE 1	SQ FT	765	660		90	15			
* 72000200	SIGN PANEL - TYPE 2	SQ FT	70	70						
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	660	660						
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	31,575	31,575						
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	3,080	3,080						
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	655	655						
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	250	250						
* 78008200	POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	SQ FT	1,045	1,045						
* 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	8,210	8,210						
* 78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	5,050	5,050						
* 78008240	POLYUREA PAVEMENT MARKING TYPE I - LINE 8"	FOOT	730	730						
* 78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	555	555						
* 78008270	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	FOOT	235	235						

* SPECIALTY ITEM
X CONSTRUCTION TYPE CODE 0042

COMPANY NAME: HRGreen
PROJECT CONTACT: HRGreen.com
CLIENT: Illinois Professional Design Firm
DATE PLOTTED: 11/11/2014 10:23:17 AM
FILE NAME: 090071-sum.dgn
PLOT DRIVER: pdfplot
PEN TABLE: standard-tran.dtl



USER NAME = tjelton	DESIGNED - JPA	REVISED -
FILE NAME = 090071-sum.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = N.T.S.	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE - 11/12/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
CHARLES J. MILLER ROAD ROADWAY IMPROVEMENTS**

SCALE: N.T.S. SHEET NO. 4 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	7
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63892	

SUMMARY OF QUANTITIES (CONTINUED)

PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL	ROADWAY 80% FEDERAL 20% LOCAL 0003	RETAINING WALL 80% FEDERAL 20% LOCAL 0040	SIGNALS - IL RTE 31 80% FEDERAL 20% LOCAL 0021	SIGNALS - GREEN ST 80% FEDERAL 20% LOCAL 0021	SIGNALS - INTERCONNECT 80% FEDERAL 20% LOCAL 0021	LIGHTING 80% FEDERAL 20% LOCAL 0021	LOCAL 0% FEDERAL 100% LOCAL 0043
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	365	365						
78200410	GUARDRAIL MARKERS, TYPE A	EACH	14	14						
78200530	BARRIER WALL MARKERS, TYPE C	EACH	546	546						
78300100	PAVEMENT MARKING REMOVAL	SQ FT	22,570	22,570						
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	441	441						
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1						1	
80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1						1	
80500020	SERVICE INSTALLATION - POLE MOUNTED	EACH	2			1	1			
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	3,530			1,680	43	1,757	50	
81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	228			171	57			
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	128			84	44			
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	1,387			655	501		231	
81400100	HANDHOLE	EACH	11			6	2	3		
81400200	HEAVY-DUTY HANDHOLE	EACH	4			4				
81400300	DOUBLE HANDHOLE	EACH	4			2	2			
81603050	UNIT DUCT, 600V, 3-1C NO.6, 1/C NO.8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	1,235						1,235	
81702160	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 1/0	FOOT	150						150	
82102310	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 310 WATT	EACH	12						12	
82500350	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP	EACH	1						1	
83008500	LIGHT POLE, ALUMINUM, 40 FT. M.H., 12 FT. MAST ARM	EACH	8						8	
83600355	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8" X 6'	EACH	8						8	
83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	8						8	
84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	2						2	
84200804	REMOVAL OF POLE FOUNDATION	EACH	2						2	
84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	3						3	
86400100	TRANSCEIVER - FIBER OPTIC	EACH	1					1		
87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	3,785					2,550	1,235	
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2,219			1,770	449			
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	5,630			3,993	1,637			
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	5,397			3,235	2,162			
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	4,537			2,038	2,499			
87301290	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 18 3C	FOOT	908				908			
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	5,588			5,588				
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	287			165	122			
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,632			1,014	618			
87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	3			3				
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	8			4	4			
87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1			1				
87700300	STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	1			1				
87700320	STEEL MAST ARM ASSEMBLY AND POLE, 55 FT.	EACH	1			1				
87700340	STEEL MAST ARM ASSEMBLY AND POLE, 58 FT.	EACH	1			1				
87702985	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 52 FT.	EACH	1				1			

* SPECIALTY ITEM
X CONSTRUCTION TYPE CODE 0042

COMPANY NAME: HRGreen.com
PROJECT CONTACT: HRGreen.com
CLIENT: HRGreen.com
FILE NAME: 09071-sum.dgn
PLOT DRIVER: pdfplot
PEN TABLE: standard-trans.tbl



USER NAME = tye1ton	DESIGNED - JPA	REVISED -
FILE NAME = 09071-sum.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = N.T.S.	CHECKED - JLP	REVISED -
PLOT DATE = 11/14/2014	DATE - 11/14/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
CHARLES J. MILLER ROAD ROADWAY IMPROVEMENTS**

SCALE: N.T.S. SHEET NO. 5 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	8
CONTRACT NO.			63892	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES (CONTINUED)

PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL	ROADWAY 80% FEDERAL 20% LOCAL 0003	RETAINING WALL 80% FEDERAL 20% LOCAL 0040	SIGNALS - IL RTE 31 80% FEDERAL 20% LOCAL 0021	SIGNALS - GREEN ST 80% FEDERAL 20% LOCAL 0021	SIGNALS - INTERCONNECT 80% FEDERAL 20% LOCAL 0021	LIGHTING 80% FEDERAL 20% LOCAL 0021	LOCAL 0% FEDERAL 100% LOCAL 0043
87703000	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 55 FT.	EACH	3				3			
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	44			28	16			
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	8			4	4			
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	99			43	56			
87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	21			21				
87900200	DRILL EXISTING HANDHOLE	EACH	1					1		
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	16			8	8			
88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	10			4	6			
88030220	SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2				2			
88030240	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	6			4	2			
88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	10			8	2			
88102747	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	1				1			
88200110	TRAFFIC SIGNAL BACKPLATE, LOUVERED	EACH	26			12	14			
88500100	INDUCTIVE LOOP DETECTOR	EACH	16			16				
88600100	DETECTOR LOOP, TYPE I	FOOT	446			446				
88600700	PREFORMED DETECTOR LOOP	FOOT	463			463				
88700200	LIGHT DETECTOR	EACH	6			4	2			
88700300	LIGHT DETECTOR AMPLIFIER	EACH	2			1	1			
88800100	PEDESTRIAN PUSH-BUTTON	EACH	12			8	4			
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	2			1	1			
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	800					800		
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2			1	1			
89502380	REMOVE EXISTING HANDHOLE	EACH	26			10	12	4		
89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	2			1	1			
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	15			8	7			
X0323868	DRAINAGE RESTRICTOR	EACH	5	5						
X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	233			123	110			
X0327698	LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	8			4	4			
X0426200	DEWATERING	L SUM	1	1						
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	7	7						
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	23	23						
X4024100	TEMPORARY ACCESS (WINTERIZE)	SQ YD	3,735	3,735						
X5610662	WATER MAIN TO BE ABANDONED, 12"	FOOT	666							666
X5610752	WATER MAIN LINE STOP 12"	EACH	1							1
X5630012	CUT AND CAP EXISTING 12" WATER MAIN	EACH	1							1
X5630712	CONNECTION TO EXISTING WATER MAIN 12"	EACH	2							2
X5860110	GRANULAR BACKFILL FOR STRUCTURES	CU YD	2,740		2,740					
X6020296	MANHOLES, TYPE A, 8'-DIAMETER, WITH SPECIAL FRAME AND GRATE	EACH	1	1						
X6022712	CATCH BASINS, TYPE A, 4'-DIAMETER, WITH SPECIAL FRAME AND GRATE	EACH	1	1						
X6025620	CATCH BASINS, TYPE A, 5'-DIAMETER, WITH SPECIAL FRAME AND GRATE	EACH	1	1						
X6026622	VALVE VAULTS TO BE REMOVED	EACH	1							1
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	7	7						
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1						

* SPECIALTY ITEM
X CONSTRUCTION TYPE CODE 0042

COMPANY NAME: HRGreen
PROJECT CONTACT: Illinois Professional Design Firm
DATE PLOTTED: 12/4/2014 9:42:03 AM
FILE NAME: 090071-sum.dgn
PLOT DRIVER: pdf.plt
PEN TABLE: standard-trans.tbl



USER NAME = tye1ton	DESIGNED - JPA	REVISED -
FILE NAME = 090071-sum.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = N.T.S.	CHECKED - JLP	REVISED -
PLOT DATE = 12/4/2014	DATE - 12/5/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
CHARLES J. MILLER ROAD ROADWAY IMPROVEMENTS**

SCALE: N.T.S. SHEET NO. 6 OF 7 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	9
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63892	

SUMMARY OF QUANTITIES (CONTINUED)

PAYCODE	ITEM DESCRIPTION	UNIT	TOTAL	ROADWAY 80% FEDERAL 20% LOCAL 0003	RETAINING WALL 80% FEDERAL 20% LOCAL 0040	SIGNALS - IL RTE 31 80% FEDERAL 20% LOCAL 0021	SIGNALS - GREEN ST 80% FEDERAL 20% LOCAL 0021	SIGNALS - INTERCONNECT 80% FEDERAL 20% LOCAL 0021	LIGHTING 80% FEDERAL 20% LOCAL 0021	LOCAL 0% FEDERAL 100% LOCAL 0043
X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	2,718	2,718						
X7280105	TELESCOPING STEEL SIGN SUPPORT (SPECIAL)	FOOT	1,500	1,500						
X7830060	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	1,475	1,475						
X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	18,925	18,925						
X7830074	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	6,530	6,530						
X7830076	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	95	95						
X7830078	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	1,360	1,360						
X7830090	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	460	460						
X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	2			1	1			
X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	2			1	1			
X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	2,550					2,550		
XX004907	GATE VALVE 12" WITH VAULT, 5' DIAMETER	EACH	1							1
XX005230	VIDEO DETECTION SYSTEM COMPLETE INTERSECTION	L SUM	1				1			
XX006852	EXPLORATION TRENCH, SPECIAL	CU YD	100	100						
XX008698	WET REFLECTIVE PREFORMED PLASTIC MARKINGS-LETTERS AND SYMBOLS	SQ FT	1,475							1,475
XX008699	WET REFLECTIVE PREFORMED PLASTIC MARKINGS, 4 INCH	FOOT	18,925							18,925
XX008700	WET REFLECTIVE PREFORMED PLASTIC MARKINGS, 6 INCH	FOOT	6,530							6,530
XX008701	WET REFLECTIVE PREFORMED PLASTIC MARKINGS, 8 INCH	FOOT	95							95
XX008702	WET REFLECTIVE PREFORMED PLASTIC MARKINGS, 12 INCH	FOOT	1,360							1,360
XX008703	WET REFLECTIVE PREFORMED PLASTIC MARKINGS, 24 INCH	FOOT	460							460
Z0013302	SEGMENTAL CONCRETE BLOCK WALL	SQ FT	50	50						
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1						
Z0018400	DRAINAGE STRUCTURES TO BE ADJUSTED	EACH	20	20						
Z0018600	DRAINAGE STRUCTURES TO BE RECONSTRUCTED	EACH	2	2						
Z0022800	FENCE REMOVAL	FOOT	71	71						
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	870	870						
Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1					1		
Z0034105	MATERIAL TRANSFER DEVICE	TON	2,767							2,767
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1						
Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	930	930						
Z0056612	STORM SEWER (WATER MAIN REQUIREMENTS) 18 INCH	FOOT	231	231						
Z0056616	STORM SEWER (WATER MAIN REQUIREMENTS) 24 INCH	FOOT	633	633						
Z0062456	TEMPORARY PAVEMENT	SQ YD	10,104	10,104						
Z0066400	STABILIZED DRIVEWAYS 6"	SQ YD	758	758						
Z0066600	STABILIZED DRIVEWAYS 8"	SQ YD	2,403	2,403						
Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	2			1	1			
X Z0076600	TRAINEES	HOUR	1,500							
X Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1,500							

* SPECIALTY ITEM
X CONSTRUCTION TYPE CODE 0042

COMPANY NAME: HRGreen.com
PROJECT CONTACT: Illinois Professional Design Firm
CLIENT: # 184-001322
DATE PLOTTED: 12/4/2014 9:42:06 AM
FILE NAME: 090071-sum.dgn
PLOT NUMBER: prdgn
PEN TABLE: sfontmgr-fonts.tbl



USER NAME = tyeilton	DESIGNED - JPA	REVISED -
FILE NAME = 090071-sum.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = N.T.S.	CHECKED - JLP	REVISED -
PLOT DATE = 12/4/2014	DATE - 12/5/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

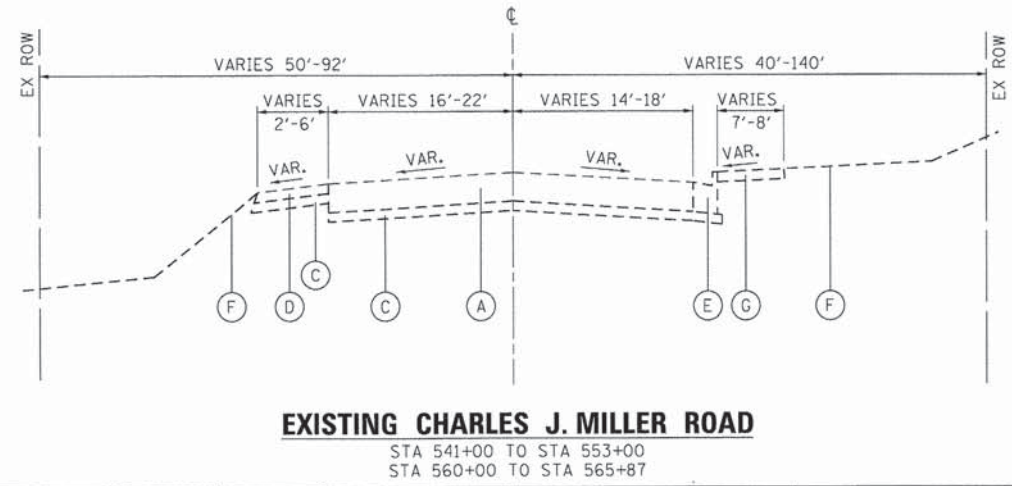
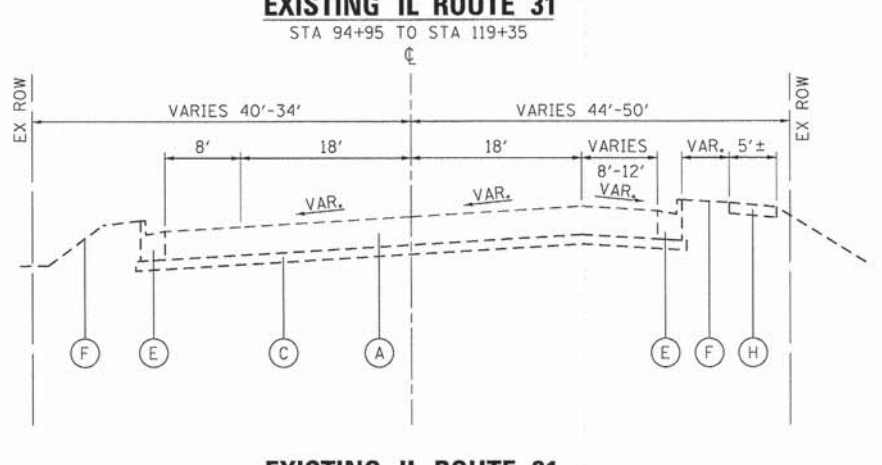
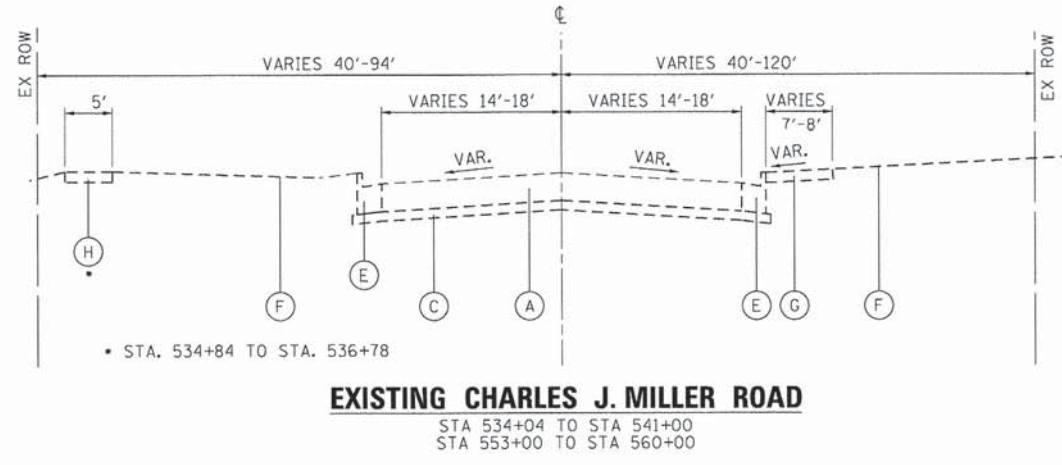
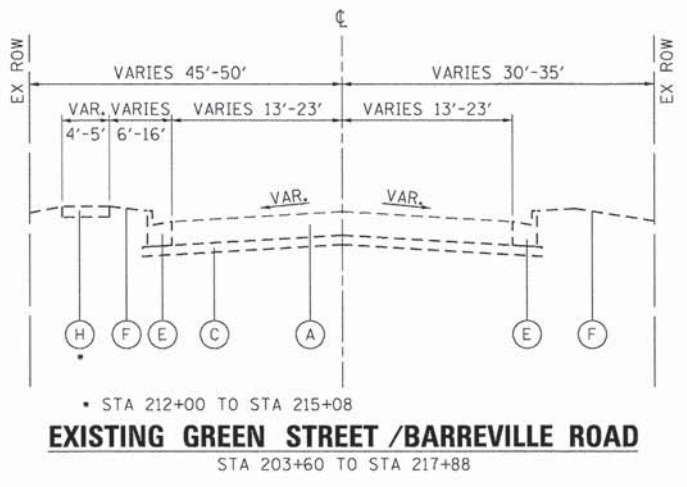
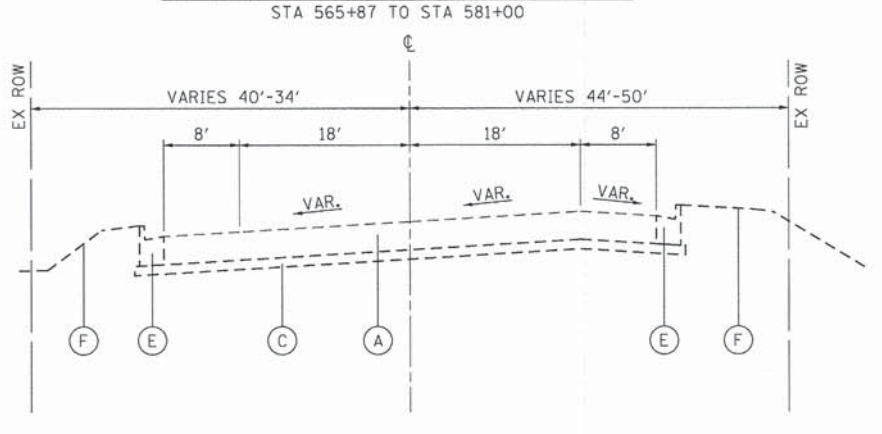
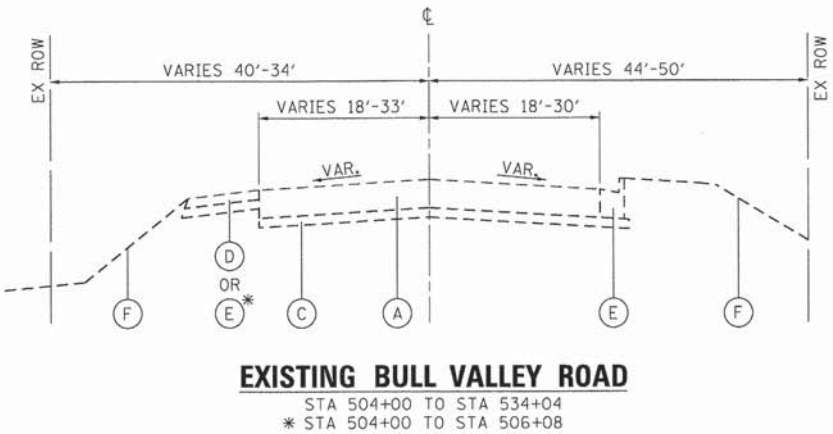
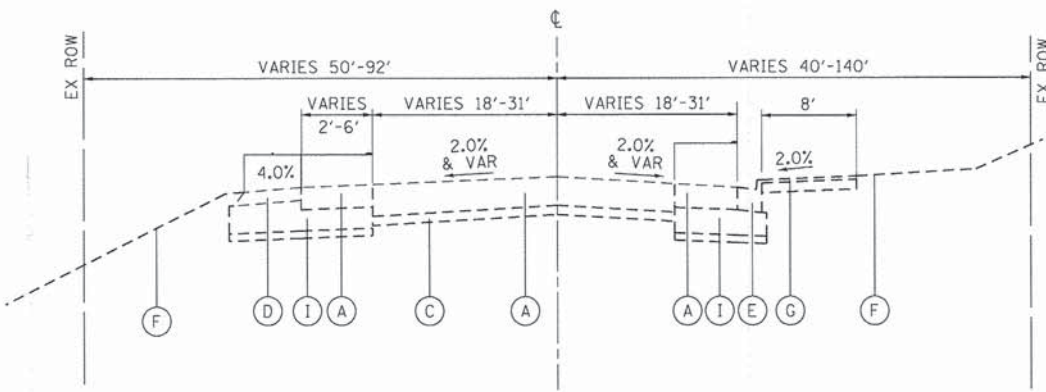
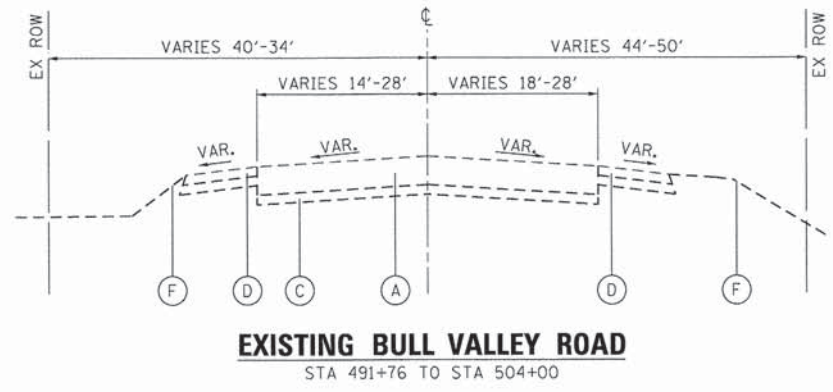
**SUMMARY OF QUANTITIES
CHARLES J. MILLER ROAD ROADWAY IMPROVEMENTS**

SCALE: N.T.S. SHEET NO. 7 OF 7 SHEETS STA. TO STA.

F.A.U. RTE. 3860	SECTION 09-00372-01-PW	COUNTY MCHENRY	TOTAL SHEETS 358	SHEET NO. 10
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63892	

EXISTING TYPICAL SECTION LEGEND

- (A) HOT-MIX ASPHALT PAVEMENT: DEPTH VARIES (6" TO 10")
- (B) HOT-MIX ASPHALT SHOULDERS
- (C) SUBBASE GRANULAR MATERIAL
- (D) AGGREGATE SHOULDERS
- (E) COMBINATION CONCRETE CURB AND GUTTER
- (F) EXISTING GRADE
- (G) HOT-MIX ASPHALT PAVEMENT, BIKE PATH
- (H) PORTLAND CEMENT CONCRETE SIDEWALK
- (I) AGGREGATE SUBGRADE IMPROVEMENT 12"



COMPANY NAME: HRGreen.com
PROJECT CONTACT: #184-001322
CLIENT: #184-001322
DATE PLOTTED: 11/11/2014 10:23:29 AM
FILE NAME: 090071-Typ-01.dgn
PLOT DRIVER: pdf.plt
PEN TABLE: sfonttbl=fonttbl



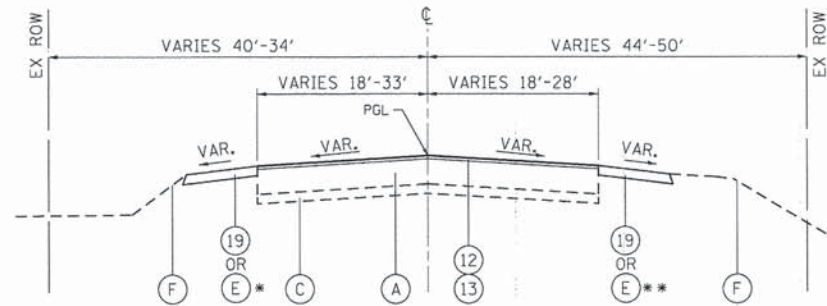
USER NAME = tjelton	DESIGNED - JPA	REVISED -
FILE NAME = 090071-Typ-01.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = N.T.S.	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE - 11/12/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING TYPICAL SECTIONS
CHARLES J. MILLER ROAD ROADWAY IMPROVEMENTS**

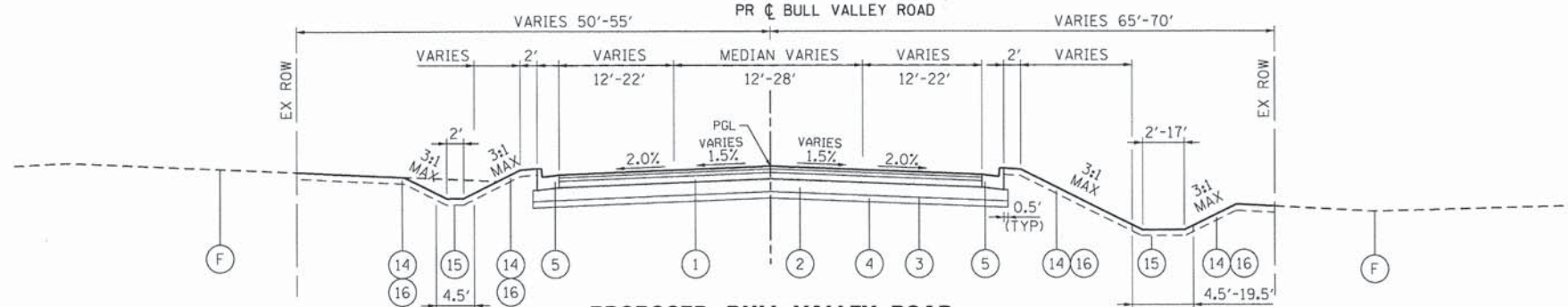
SCALE: N.T.S. SHEET NO. 1 OF 7 SHEETS STA. TO STA.

F.A.U. RTE. 3860	SECTION 09-00372-01-PW	COUNTY MCHENRY	TOTAL SHEETS 358	SHEET NO. 11
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63892	



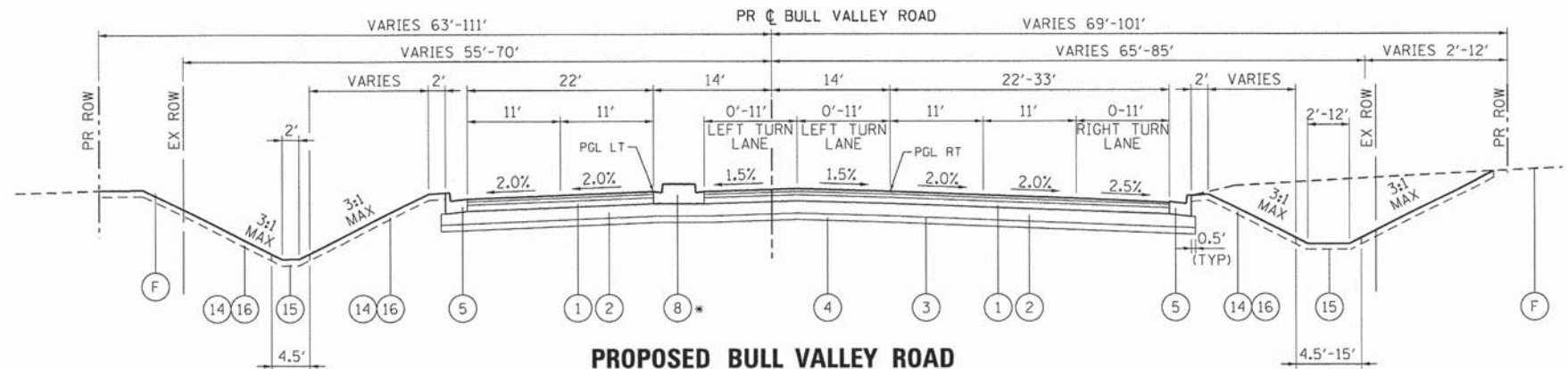
PROPOSED BULL VALLEY ROAD

STA 491+76 TO STA 514+25
 * STA 504+00 TO STA 506+80
 ** STA 503+90 TO STA 514+25



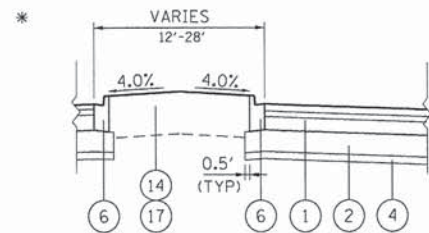
PROPOSED BULL VALLEY ROAD

STA 514+25.00 TO STA 523+83.00



PROPOSED BULL VALLEY ROAD

STA 523+83.00 TO STA 532+60.00



DETAIL "B"

* GRASS MEDIAN STA 523+83 TO STA 528+43

STRUCTURAL PAVEMENT DESIGN

STRUCTURAL DESIGN TRAFFIC: YEAR: 2022

PV = 23,232 SU = 1,848 MU = 1,320

ROAD/STREET CLASSIFICATION: URBAN MINOR ART. CLASS I

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:

P = 88% S = 7% M = 5%

TRAFFIC FACTOR: ACTUAL TF = 7.96 AC TYPE = 20

MINIMUM TF = 3.56

PG GRADE: BINDER = 64-28 SURFACE = 64-28

SUBGRADE SUPPORT RATING:

SSR = POOR (STA. 514+25.00 TO 594+61.34)

SSR = POOR (STA. 601+16.01 TO 606+03.80)

* THE UNIT WEIGHT TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR HMA FULL DEPTH "AC TYPE" SEE SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

* NOTE: CONTRACTOR SHALL MILL BEFORE PATCHING

PROPOSED TYPICAL SECTION LEGEND

- 1 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 14"
- 2 AGGREGATE SUBGRADE IMPROVEMENT, 12" (SO YD)
- 3 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (AS DETERMINED BY THE ENGINEER DURING CONSTRUCTION)
- 4 AGGREGATE SUBGRADE IMPROVEMENT (CU YD) (AS DETERMINED BY THE ENGINEER DURING CONSTRUCTION)
- 5 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- 6 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- 7 PORTLAND CEMENT CONCRETE PAVEMENT 9 3/4" (JOINTED)
- 8 CONCRETE MEDIAN, TYPE SB-6.12
- 9 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
- 10 HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50, 4"
- 11 SUB-BASE GRANULAR MATERIAL, TYPE B 6"
- 12 POLYMERIZED HOT-MIX ASPHALT SURFACE, MIX "F", N90, 2"
- 13 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 2 1/4"
- 14 SEEDING, CLASS 2A
- 15 SODDING, SALT TOLERANT
- 16 TOPSOIL FURNISH AND PLACE, 4"
- 17 TOPSOIL, FURNISH AND PLACE, 24"
- 18 PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- 19 AGGREGATE SHOULDERS, TYPE B 6"
- 20 STEEL PLATE BEAM GUARDRAIL, TYPE A
- 21 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 8"
- 22 SEEDING, CLASS 4A

EXISTING TYPICAL SECTION LEGEND

- A HOT-MIX ASPHALT PAVEMENT; DEPTH VARIES (6" TO 10")
- B HOT-MIX ASPHALT SHOULDERS
- C SUBBASE GRANULAR MATERIAL
- D AGGREGATE SHOULDERS
- E COMBINATION CONCRETE CURB AND GUTTER
- F EXISTING GRADE
- G HOT-MIX ASPHALT PAVEMENT, BIKE PATH
- H PORTLAND CEMENT CONCRETE SIDEWALK
- I AGGREGATE SUBGRADE IMPROVEMENT 12"

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS
FULL DEPTH PAVEMENT - BULL VALLEY/CHARLES J. MILLER ROAD	
POLYMERIZED HMA SURFACE COURSE, MIX "F", N90 (IL 9.5mm); 2"	4% @ 90 GYR.
POLYMERIZED HMA BINDER COURSE, IL-19.0, N90; 2 1/2"	4% @ 90 GYR.
HMA BASE COURSE (HMA BINDER IL-19 mm); 9 1/2" (3 LIFTS)	4% @ 90 GYR.
FULL DEPTH PAVEMENT - BULL VALLEY ROAD	
HMA SURFACE COURSE, MIX "D", N50 (IL-9.5mm); 2"	4% @ 50 GYR.
HMA BASE COURSE (HMA BINDER IL-19 mm); 6" (2 LIFTS)	4% @ 50 GYR.
RESURFACING	
POLYMERIZED HMA SURFACE COURSE, MIX "F", N90 (IL-9.5mm); 2"	4% @ 90 GYR.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	3.5% @ 50 GYR.
DRIVEWAYS	
HMA SURFACE COURSE, MIX "D", N50 (IL-9.5mm); 2"	4% @ 50 GYR.
HMA BASE COURSE (HMA BINDER IL-19 mm); PE - 6", CE - 8" (3 LIFTS)	4% @ 50 GYR.
SHOULDERS	
HMA SHOULDER (HMA BINDER IL-19 mm); 8" (3 LIFTS)	4% @ 50 GYR.
SHARED-USE PATH	
HMA SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 2"	4% @ 50 GYR.
HMA BINDER COURSE, IL-19.0, N50, 4"	4% @ 50 GYR.
TEMPORARY PAVEMENT	
HMA SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 2"	4% @ 50 GYR.
TEMP PAVEMENT (HMA BINDER IL-19mm); 6"	4% @ 50 GYR.
PATCHING	
CLASS D PATCH (HMA BINDER IL-19 mm)	4% @ 70 GYR.

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: tjelton
 CLIENT: HRGreen.com
 DATE PLOTTED: 11/11/2014 10:26:32 AM
 FILE NAME: 090071-ty-02.dgn
 PLOT DRIVER: pdfplot
 PEN TABLE: \$fontcolor=frans.tbl



USER NAME = tjelton	DESIGNED - JPA	REVISED -
FILE NAME = 090071-ty-02.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = N.T.S.	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE - 11/12/14	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

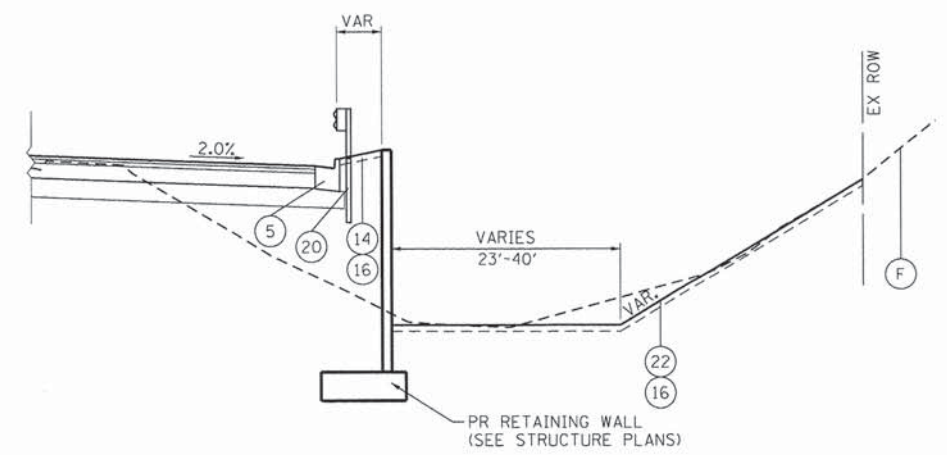
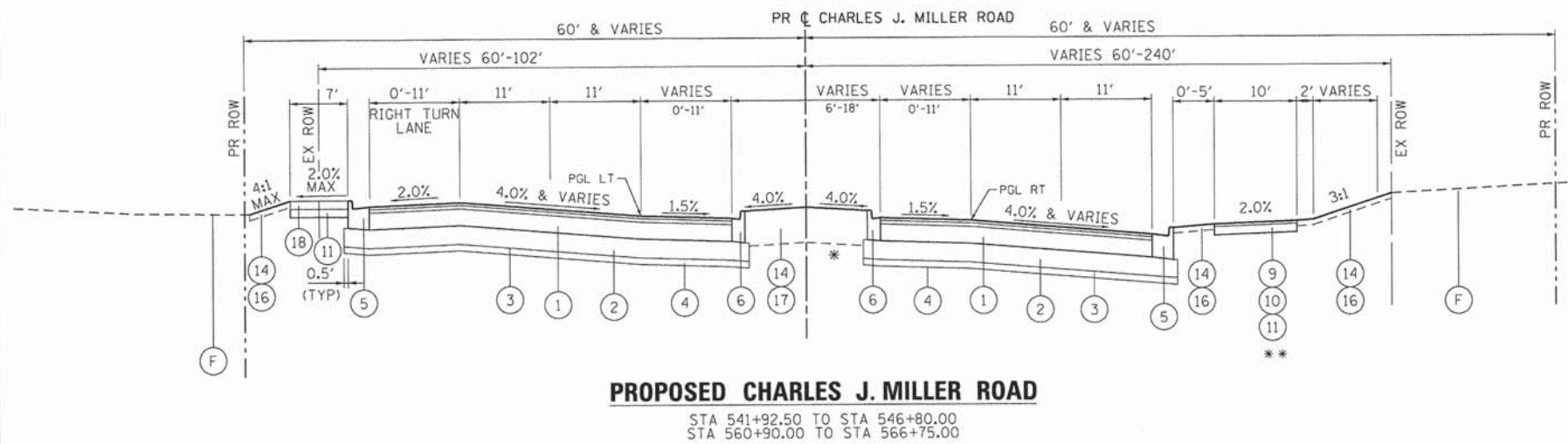
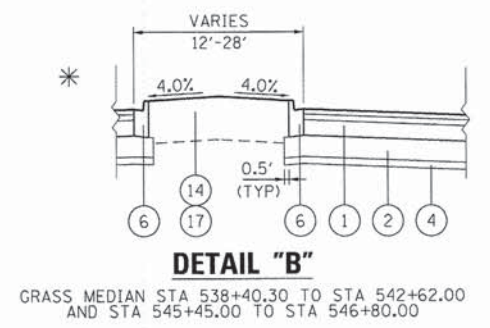
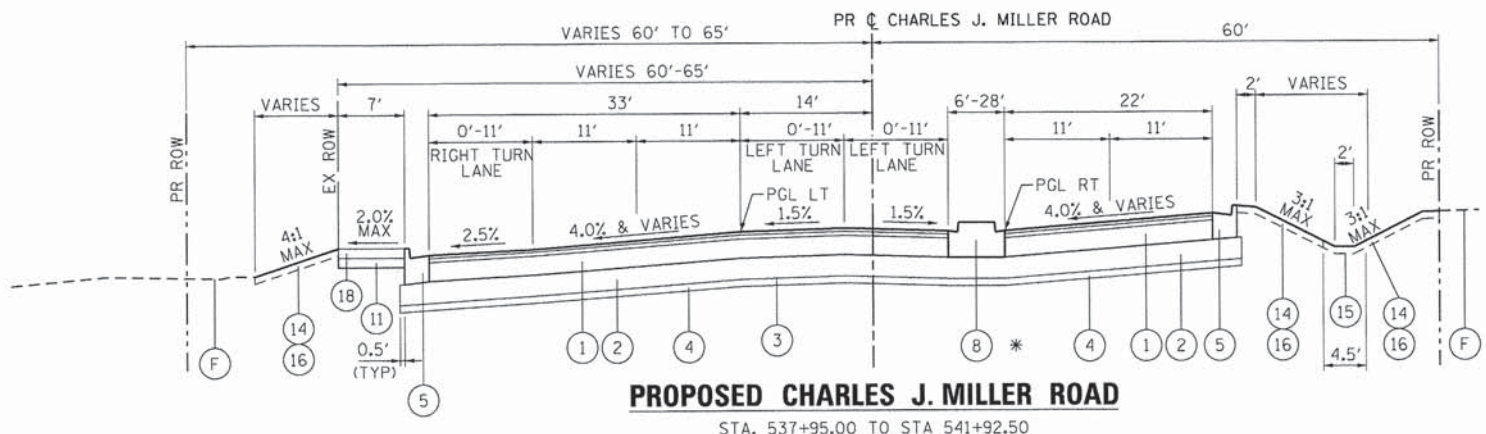
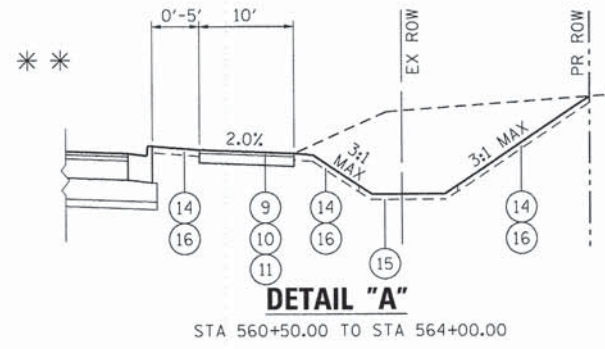
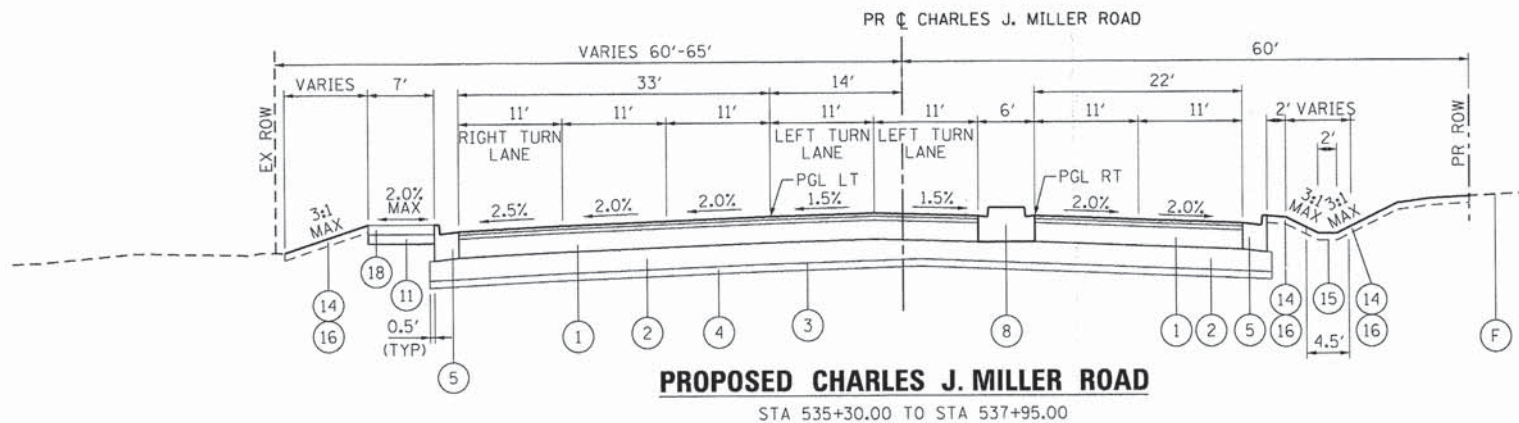
**PROPOSED TYPICAL SECTIONS
 CHARLES J. MILLER ROAD ROADWAY IMPROVEMENTS**

SCALE: N.T.S. SHEET NO. 2 OF 7 SHEETS STA. TO STA.

F.A.U. RTE. 3860	SECTION 09-00372-01-PW	COUNTY MCHENRY	TOTAL SHEETS 358	SHEET NO. 12
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT		CONTRACT NO. 63892		

- PROPOSED TYPICAL SECTION LEGEND**
- 1 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 14"
 - 2 AGGREGATE SUBGRADE IMPROVEMENT, 12" (SO YD)
 - 3 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (AS DETERMINED BY THE ENGINEER DURING CONSTRUCTION)
 - 4 AGGREGATE SUBGRADE IMPROVEMENT (CU YD) (AS DETERMINED BY THE ENGINEER DURING CONSTRUCTION)
 - 5 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - 6 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
 - 7 PORTLAND CEMENT CONCRETE PAVEMENT 9 3/4" (JOINTED)
 - 8 CONCRETE MEDIAN, TYPE SB-6.12
 - 9 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
 - 10 HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50, 4"
 - 11 SUB-BASE GRANULAR MATERIAL, TYPE B 6"
 - 12 POLYMERIZED HOT-MIX ASPHALT SURFACE, MIX "F", N90, 2"
 - 13 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 2 1/4"
 - 14 SEEDING, CLASS 2A
 - 15 SODDING, SALT TOLERANT
 - 16 TOPSOIL FURNISH AND PLACE, 4"
 - 17 TOPSOIL, FURNISH AND PLACE, 24"
 - 18 PORTLAND CEMENT CONCRETE SIDEWALK, 5"
 - 19 AGGREGATE SHOULDERS, TYPE B 6"
 - 20 STEEL PLATE BEAM GUARDRAIL, TYPE A
 - 21 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 8"
 - 22 SEEDING, CLASS 4A

- EXISTING TYPICAL SECTION LEGEND**
- A HOT-MIX ASPHALT PAVEMENT; DEPTH VARIES (6" TO 10")
 - B HOT-MIX ASPHALT SHOULDERS
 - C SUBBASE GRANULAR MATERIAL
 - D AGGREGATE SHOULDERS
 - E COMBINATION CONCRETE CURB AND GUTTER
 - F EXISTING GRADE
 - G HOT-MIX ASPHALT PAVEMENT, BIKE PATH
 - H PORTLAND CEMENT CONCRETE SIDEWALK
 - I AGGREGATE SUBGRADE IMPROVEMENT 12"



* CONCRETE MEDIAN, TYPE SB-6.12; STA 543+55 TO STA 545+45; STA 562+78 TO STA 564+94

COMPANY NAME: HRGreen
PROJECT CONTACT: HRGreen.com
DATE PLOTTED: 11/11/2014 10:25:36 AM
PLOT ORIGIN: 0,0
PEN TABLE: standard-frans.tbl

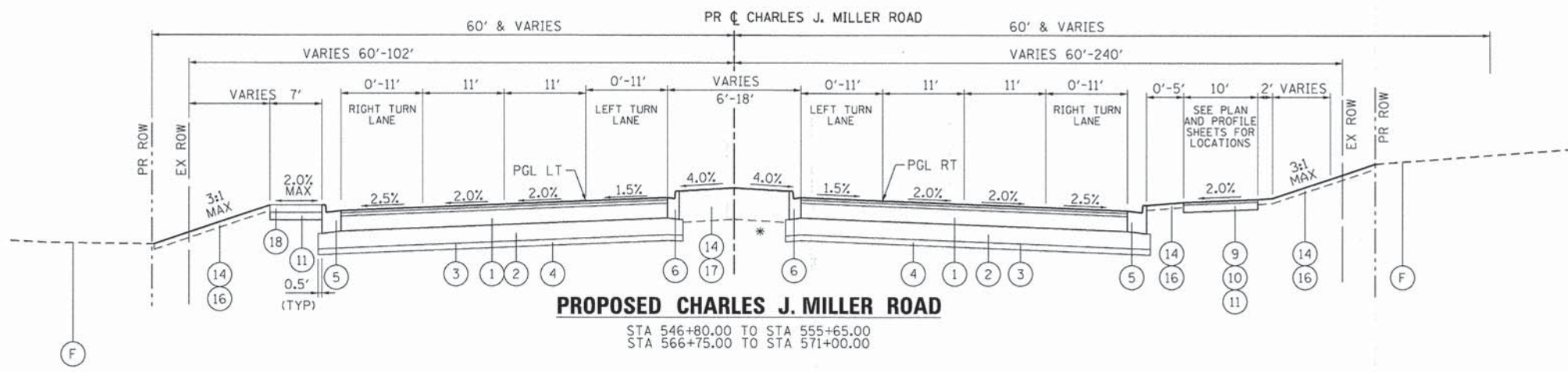


USER NAME = tjeilton	DESIGNED - JPA	REVISED -
FILE NAME = 090071-tp-03.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = N.T.S.	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE - 11/12/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

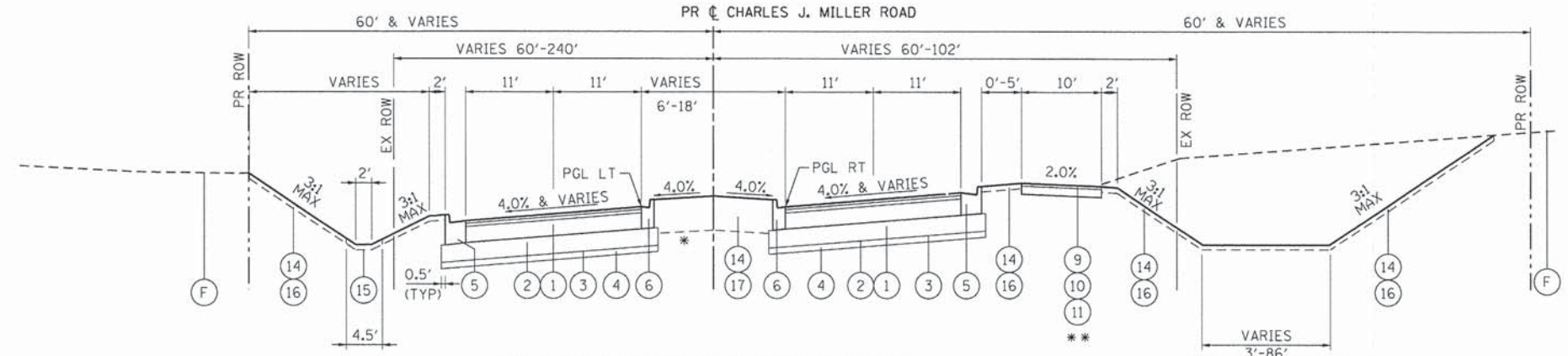
PROPOSED TYPICAL SECTIONS CHARLES J. MILLER ROAD ROADWAY IMPROVEMENTS	
SCALE: N.T.S.	SHEET NO. 3 OF 7 SHEETS STA. TO STA.

F.A.U. RTE. 3860	SECTION 09-00372-01-PW	COUNTY MCHENRY	TOTAL SHEETS 358	SHEET NO. 13
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		
		CONTRACT NO. 63892		



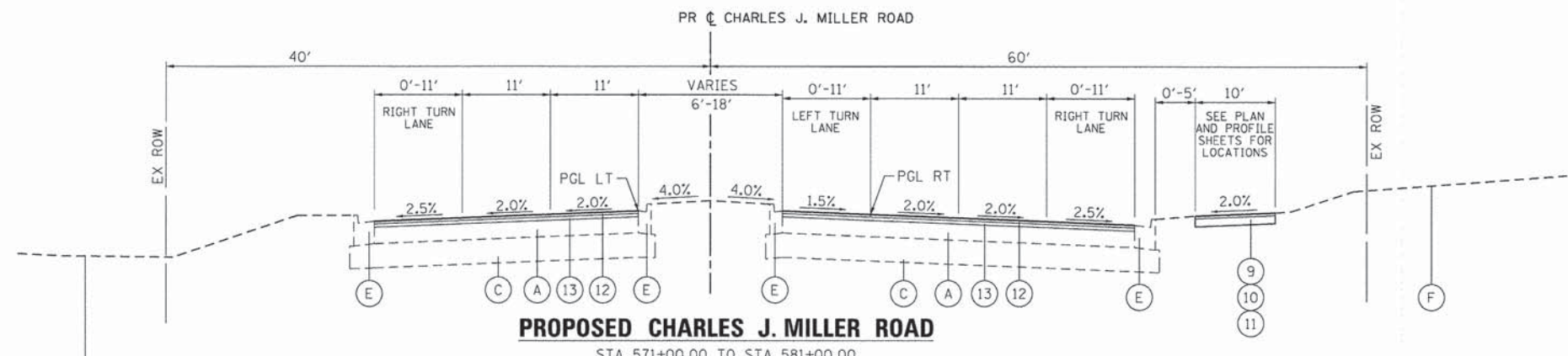
PROPOSED CHARLES J. MILLER ROAD

STA 546+80.00 TO STA 555+65.00
STA 566+75.00 TO STA 571+00.00



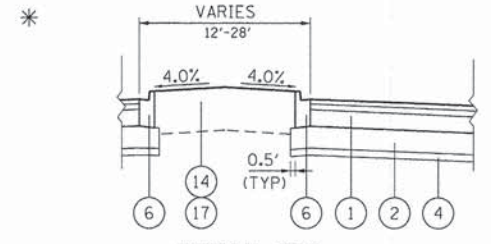
PROPOSED CHARLES J. MILLER ROAD

STA 555+65.00 TO STA 560+90.00



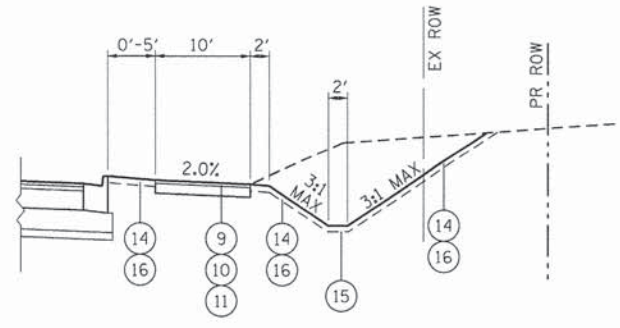
PROPOSED CHARLES J. MILLER ROAD

STA 571+00.00 TO STA 581+00.00



DETAIL "B"

GRASS MEDIAN STA 546+80.00 TO STA 549+69.00
STA 555+78.00 TO STA 562+78.00
AND STA 565+86.51 TO STA 571+00.00



STA 553+50.00 TO STA 555+50.00

- PROPOSED TYPICAL SECTION LEGEND**
- 1 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 14"
 - 2 AGGREGATE SUBGRADE IMPROVEMENT, 12" (SO YD)
 - 3 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (AS DETERMINED BY THE ENGINEER DURING CONSTRUCTION)
 - 4 AGGREGATE SUBGRADE IMPROVEMENT (CU YD) (AS DETERMINED BY THE ENGINEER DURING CONSTRUCTION)
 - 5 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 - 6 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
 - 7 PORTLAND CEMENT CONCRETE PAVEMENT 9 3/4" (JOINTED)
 - 8 CONCRETE MEDIAN, TYPE SB-6.12
 - 9 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
 - 10 HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50, 4"
 - 11 SUB-BASE GRANULAR MATERIAL, TYPE B 6"
 - 12 POLYMERIZED HOT-MIX ASPHALT SURFACE, MIX "F", N90, 2"
 - 13 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 2 1/4"
 - 14 SEEDING, CLASS 2A
 - 15 SODDING, SALT TOLERANT
 - 16 TOPSOIL FURNISH AND PLACE, 4"
 - 17 TOPSOIL, FURNISH AND PLACE, 24"
 - 18 PORTLAND CEMENT CONCRETE SIDEWALK, 5"
 - 19 AGGREGATE SHOULDERS, TYPE B 6"
 - 20 STEEL PLATE BEAM GUARDRAIL, TYPE A
 - 21 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 8"
 - 22 SEEDING, CLASS 4A
- EXISTING TYPICAL SECTION LEGEND**
- A HOT-MIX ASPHALT PAVEMENT; DEPTH VARIES (6" TO 10")
 - B HOT-MIX ASPHALT SHOULDERS
 - C SUBBASE GRANULAR MATERIAL
 - D AGGREGATE SHOULDERS
 - E COMBINATION CONCRETE CURB AND GUTTER
 - F EXISTING GRADE
 - G HOT-MIX ASPHALT PAVEMENT, BIKE PATH
 - H PORTLAND CEMENT CONCRETE SIDEWALK
 - I AGGREGATE SUBGRADE IMPROVEMENT 12"

COMPANY NAME: HRGreen.com
PROJECT CONTACT: JPA
DATE PLOTTED: 11/11/2014 10:25:40 AM
PLOT SCALE: N.T.S.
PLOT NUMBER: 090071-tyj-04.dgn
PEN TABLE: Standard-Trans.tbl



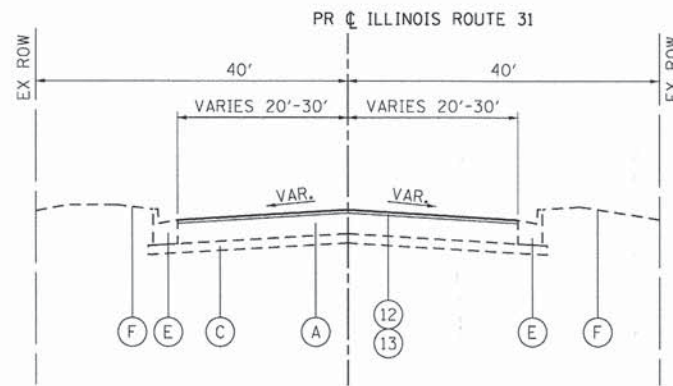
USER NAME = tyj1son	DESIGNED - JPA	REVISED -
FILE NAME = 090071-tyj-04.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = N.T.S.	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE - 11/12/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED TYPICAL SECTIONS
CHARLES J. MILLER ROAD ROADWAY IMPROVEMENTS**

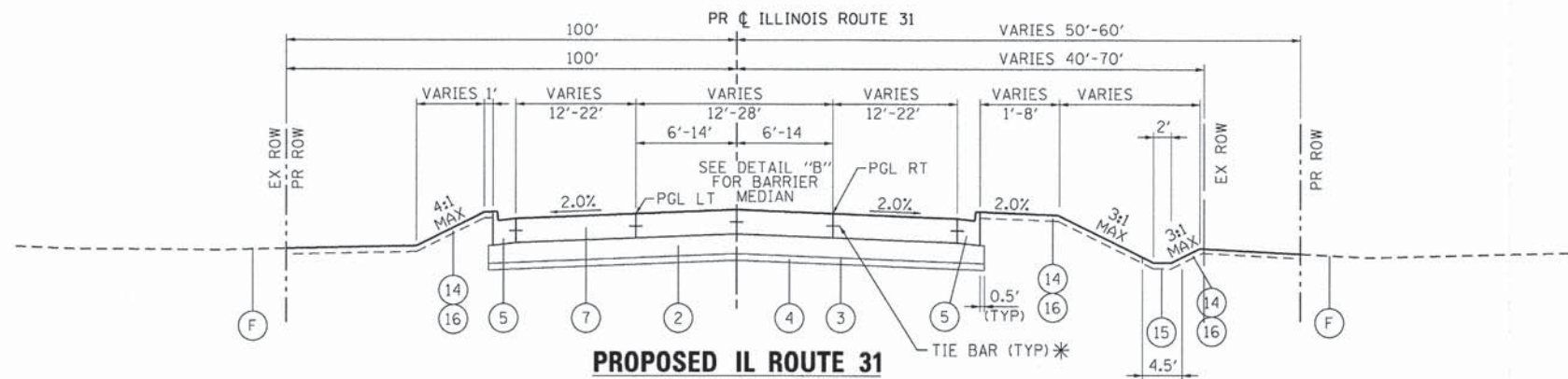
SCALE: N.T.S. SHEET NO. 4 OF 7 SHEETS STA. TO STA.

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	14
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63892	



PROPOSED IL ROUTE 31

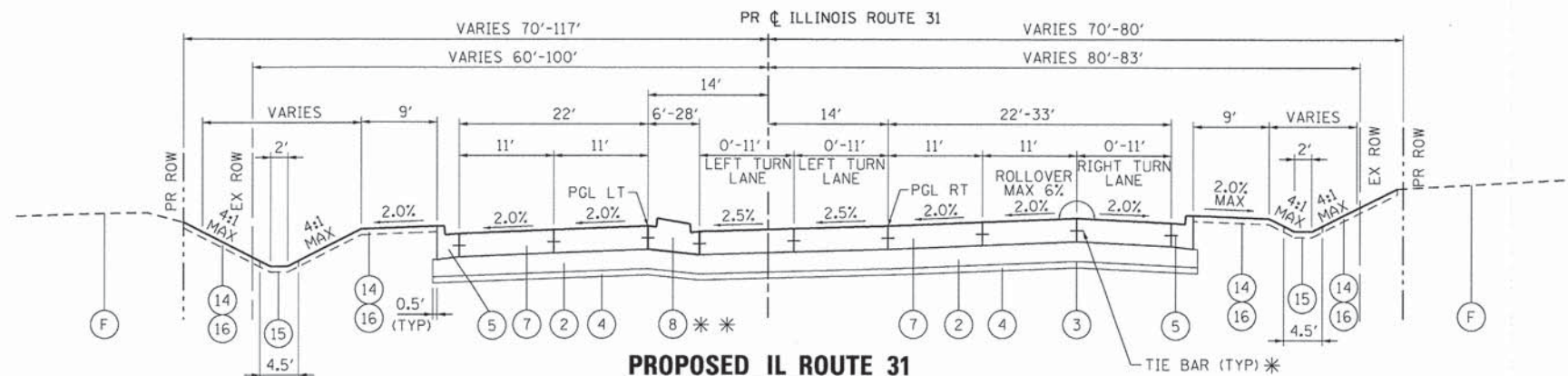
STA 94+95 TO STA 99+25
STA 136+76 TO STA 139+94



PROPOSED IL ROUTE 31

STA 99+25.00 TO STA 110+64.00

* INCLUDED IN THE COST OF PCC PAVEMENT 9 3/4.



PROPOSED IL ROUTE 31

STA 110+64.00 TO STA 119+00.00

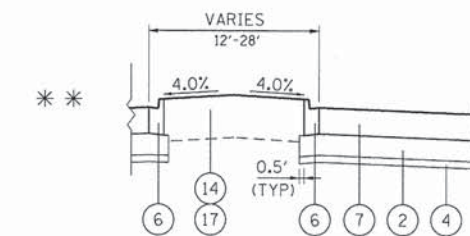
* INCLUDED IN THE COST OF PCC PAVEMENT 9 3/4.

PROPOSED TYPICAL SECTION LEGEND

- 1 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 14"
- 2 AGGREGATE SUBGRADE IMPROVEMENT, 12" (SQ YD)
- 3 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (AS DETERMINED BY THE ENGINEER DURING CONSTRUCTION)
- 4 AGGREGATE SUBGRADE IMPROVEMENT (CU YD) (AS DETERMINED BY THE ENGINEER DURING CONSTRUCTION)
- 5 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- 6 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- 7 PORTLAND CEMENT CONCRETE PAVEMENT 9 3/4" (JOINTED)
- 8 CONCRETE MEDIAN, TYPE SB-6.12
- 9 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
- 10 HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50, 4"
- 11 SUB-BASE GRANULAR MATERIAL, TYPE B 6"
- 12 POLYMERIZED HOT-MIX ASPHALT SURFACE, MIX "F", N90, 2"
- 13 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 2 1/4"
- 14 SEEDING, CLASS 2A
- 15 SODDING, SALT TOLERANT
- 16 TOPSOIL FURNISH AND PLACE, 4"
- 17 TOPSOIL, FURNISH AND PLACE, 24"
- 18 PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- 19 AGGREGATE SHOULDERS, TYPE B 6"
- 20 STEEL PLATE BEAM GUARDRAIL, TYPE A
- 21 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 8"
- 22 SEEDING, CLASS 4A

EXISTING TYPICAL SECTION LEGEND

- A HOT-MIX ASPHALT PAVEMENT; DEPTH VARIES (6" TO 10")
- B HOT-MIX ASPHALT SHOULDERS
- C SUBBASE GRANULAR MATERIAL
- D AGGREGATE SHOULDERS
- E COMBINATION CONCRETE CURB AND GUTTER
- F EXISTING GRADE
- G HOT-MIX ASPHALT PAVEMENT, BIKE PATH
- H PORTLAND CEMENT CONCRETE SIDEWALK
- I AGGREGATE SUBGRADE IMPROVEMENT 12"



DETAIL "B"

GRASS MEDIAN STA 107+33 TO STA 114+24

COMPANY NAME: HRGreen.com
PROJECT CONTACT: HRGreen.com
DATE PLOTTED: 11/11/2014 10:23:44 AM
FILE NAME: 090071-tyo-05.dgn
PLOT DRIVER: pdfplot
PEN TABLE: s:\font\of-tronm.tbl



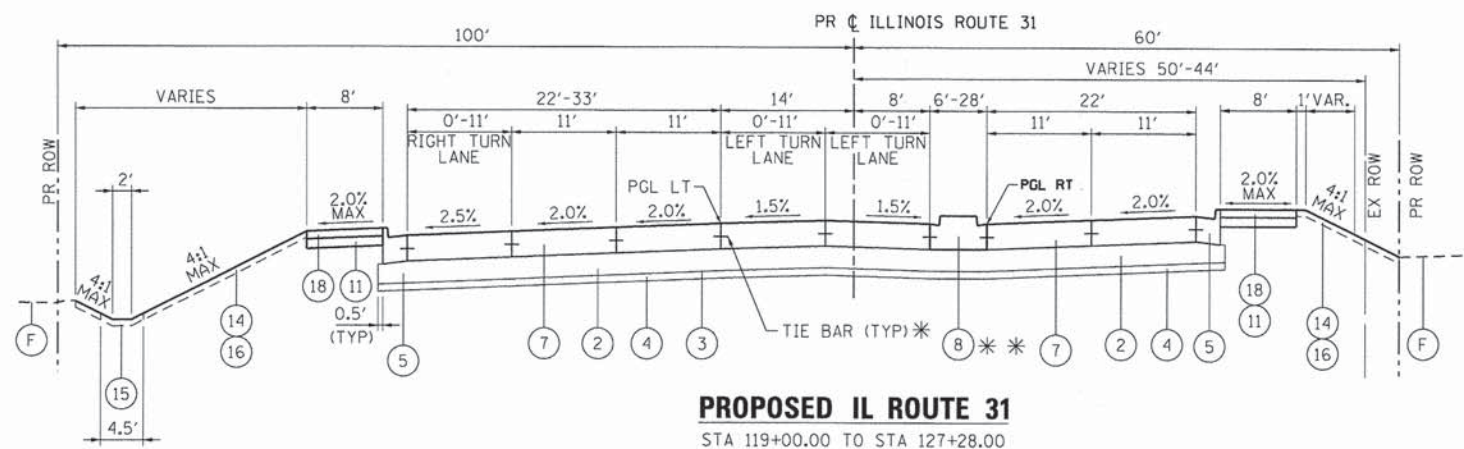
USER NAME = tyjelson	DESIGNED - JPA	REVISED -
FILE NAME = 090071-tyo-05.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = N.T.S.	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE - 11/12/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS
CHARLES J. MILLER ROAD ROADWAY IMPROVEMENTS

SCALE: N.T.S. SHEET NO. 5 OF 7 SHEETS STA. TO STA.

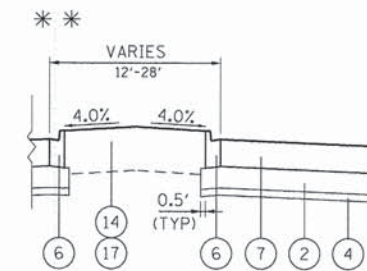
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	15
CONTRACT NO. 63892				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



PROPOSED IL ROUTE 31

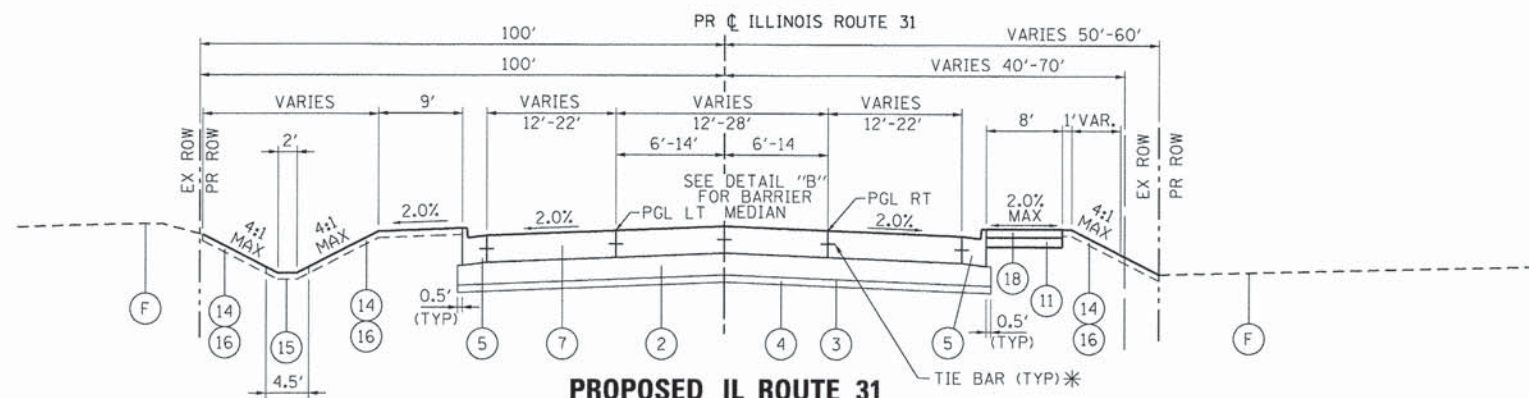
STA 119+00.00 TO STA 127+28.00

* INCLUDED IN THE COST OF PCC PAVEMENT 9 3/4.



DETAIL "B"

GRASS MEDIAN STA 123+68 TO STA 127+28



PROPOSED IL ROUTE 31

STA 127+28.00 TO STA 136+76.00

* INCLUDED IN THE COST OF PCC PAVEMENT 9 3/4.

PROPOSED TYPICAL SECTION LEGEND

- ① HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 14"
- ② AGGREGATE SUBGRADE IMPROVEMENT, 12" (SO YD)
- ③ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (AS DETERMINED BY THE ENGINEER DURING CONSTRUCTION)
- ④ AGGREGATE SUBGRADE IMPROVEMENT (CU YD) (AS DETERMINED BY THE ENGINEER DURING CONSTRUCTION)
- ⑤ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑥ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- ⑦ PORTLAND CEMENT CONCRETE PAVEMENT 9 3/4" (JOINTED)
- ⑧ CONCRETE MEDIAN, TYPE SB-6.12
- ⑨ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
- ⑩ HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50, 4"
- ⑪ SUB-BASE GRANULAR MATERIAL, TYPE B 6"
- ⑫ POLYMERIZED HOT-MIX ASPHALT SURFACE, MIX "F", N90, 2"
- ⑬ POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 2 1/4"
- ⑭ SEEDING, CLASS 2A
- ⑮ SODDING, SALT TOLERANT
- ⑯ TOPSOIL FURNISH AND PLACE, 4"
- ⑰ TOPSOIL, FURNISH AND PLACE, 24"
- ⑱ PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- ⑲ AGGREGATE SHOULDERS, TYPE B 6"
- ⑳ STEEL PLATE BEAM GUARDRAIL, TYPE A
- ㉑ HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 8"
- ㉒ SEEDING, CLASS 4A

EXISTING TYPICAL SECTION LEGEND

- Ⓐ HOT-MIX ASPHALT PAVEMENT; DEPTH VARIES (6" TO 10")
- Ⓑ HOT-MIX ASPHALT SHOULDERS
- Ⓒ SUBBASE GRANULAR MATERIAL
- Ⓓ AGGREGATE SHOULDERS
- Ⓔ COMBINATION CONCRETE CURB AND GUTTER
- Ⓕ EXISTING GRADE
- Ⓖ HOT-MIX ASPHALT PAVEMENT, BIKE PATH
- Ⓗ PORTLAND CEMENT CONCRETE SIDEWALK
- Ⓘ AGGREGATE SUBGRADE IMPROVEMENT 12"

COMPANY NAME: HRGreen
 PROJECT CONTACT: J. J. J. J.
 CLIENT: STATE OF ILLINOIS
 DATE PLOTTED: 11/11/2014 10:23:47 AM
 FILE NAME: 090011-tyr-06.dgn
 PLOT DRIVER: pdfplot
 PEN TABLE: standard-trons.tbl



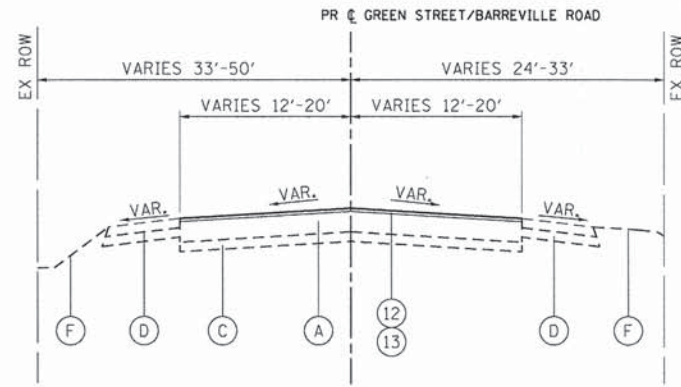
USER NAME = tyelton	DESIGNED - JPA	REVISED -
FILE NAME = 090011-tyr-06.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = N.T.S.	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE = 11/12/14	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS
 CHARLES J. MILLER ROAD ROADWAY IMPROVEMENTS

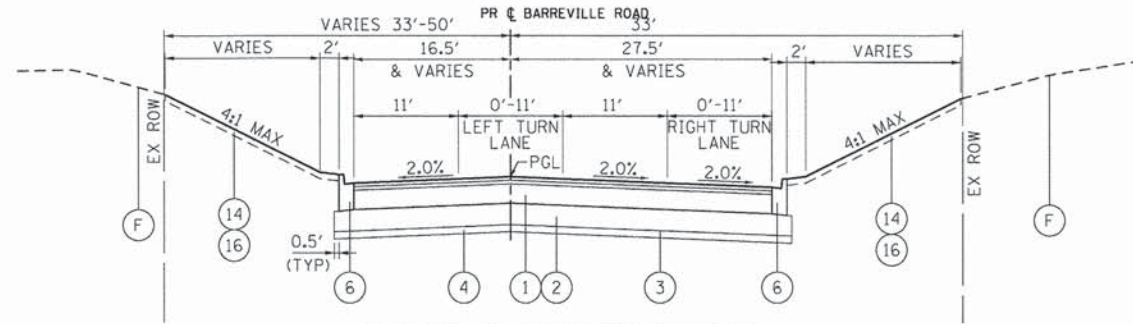
SCALE: N.T.S. SHEET NO. 6 OF 7 SHEETS STA. TO STA.

F.A.U. R.T.E. 3860	SECTION 09-00372-01-PW	COUNTY MCHENRY	TOTAL SHEETS 358	SHEET NO. 16
CONTRACT NO. 63892				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



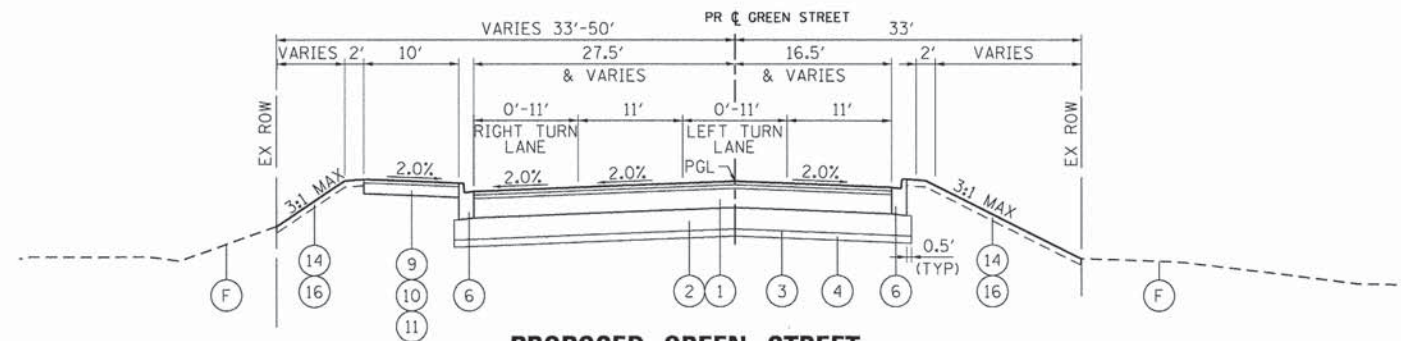
PROPOSED GREEN STREET /BARREVILLE ROAD

STA 204+00 TO STA 205+55
STA 215+08 TO STA 217+88



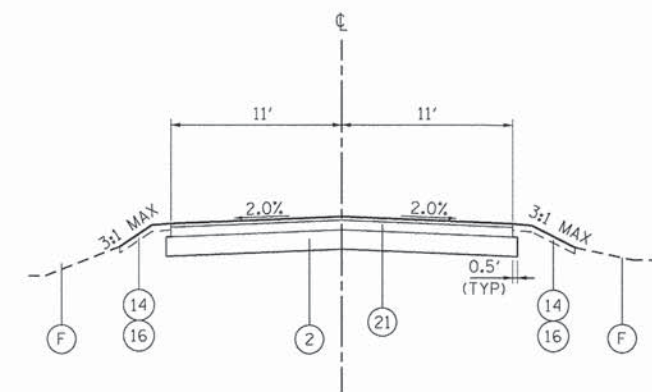
PROPOSED BARREVILLE ROAD

STA 205+55.00 TO STA 211+00.00



PROPOSED GREEN STREET

STA 211+00.00 TO STA 215+08.00



PROPOSED BULL VALLEY ROAD

CHARLES J. MILLER ROAD STA 544+25 TO STA 550+90 RT

PROPOSED TYPICAL SECTION LEGEND

- 1 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 14"
- 2 AGGREGATE SUBGRADE IMPROVEMENT, 12" (50 YD)
- 3 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (AS DETERMINED BY THE ENGINEER DURING CONSTRUCTION)
- 4 AGGREGATE SUBGRADE IMPROVEMENT (CU YD) (AS DETERMINED BY THE ENGINEER DURING CONSTRUCTION)
- 5 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- 6 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- 7 PORTLAND CEMENT CONCRETE PAVEMENT 9 3/4" (JOINTED)
- 8 CONCRETE MEDIAN, TYPE SB-6.12
- 9 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
- 10 HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50, 4"
- 11 SUB-BASE GRANULAR MATERIAL, TYPE B 6"
- 12 POLYMERIZED HOT-MIX ASPHALT SURFACE, MIX "F", N90, 2"
- 13 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 2 1/4"
- 14 SEEDING, CLASS 2A
- 15 SODDING, SALT TOLERANT
- 16 TOPSOIL FURNISH AND PLACE, 4"
- 17 TOPSOIL, FURNISH AND PLACE, 24"
- 18 PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- 19 AGGREGATE SHOULDERS, TYPE B 6"
- 20 STEEL PLATE BEAM GUARDRAIL, TYPE A
- 21 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 8"
- 22 SEEDING, CLASS 4A

EXISTING TYPICAL SECTION LEGEND

- A HOT-MIX ASPHALT PAVEMENT; DEPTH VARIES (6" TO 10")
- B HOT-MIX ASPHALT SHOULDERS
- C SUBBASE GRANULAR MATERIAL
- D AGGREGATE SHOULDERS
- E COMBINATION CONCRETE CURB AND GUTTER
- F EXISTING GRADE
- G HOT-MIX ASPHALT PAVEMENT, BIKE PATH
- H PORTLAND CEMENT CONCRETE SIDEWALK
- I AGGREGATE SUBGRADE IMPROVEMENT 12"

COMPANY NAME: HRGreen.com
PROJECT CONTACT: Illinois Professional Design Firm # 184-001322
DATE PLOTTED: 11/11/2014 10:23:51 AM
PLOT SCALE: N.T.S.
PLOT DIBNER: JLP
PEN TABLE: standard-trans.tbl



USER NAME = tye son	DESIGNED - JPA	REVISED -
FILE NAME = 890071-tye-07.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = N.T.S.	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE = 11/12/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED TYPICAL SECTIONS
CHARLES J. MILLER ROAD ROADWAY IMPROVEMENTS**

SCALE: N.T.S. SHEET NO. 7 OF 7 SHEETS STA. TO STA.

F.A.U. RTE. 3860	SECTION 09-00372-01-PW	COUNTY MCHENRY	TOTAL SHEETS 358	SHEET NO. 17
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 63892		

SCHEDULE OF QUANTITIES
EARTHWORK – CHARLES J. MILLER ROAD

PMILL	STAGE 1 (CU YD)			STAGE 2 (CU YD)			STAGE 3 (CU YD)			EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) WITH 15% SHRINKAGE					
	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION	EMBANKMENT	AGGREGATE SUBGRADE IMPROVEMENT	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION	EMBANKMENT	AGGREGATE SUBGRADE IMPROVEMENT	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION	EMBANKMENT	AGGREGATE SUBGRADE IMPROVEMENT	PRE-STAGE 1	STAGE 2	STAGE 3
514+25.00													0.0	0.0	0.0
514+50.00	2.8	29.9	0.7	0.0	4.7	18.9	1.3	0.0	0.0	16.0	0.0	0.0	24.6	14.7	13.6
515+00.00	7.7	61.9	2.7	0.0	16.9	43.3	2.5	0.0	0.0	30.3	0.0	0.0	50.0	34.3	25.7
515+13.67	2.1	18.3	0.5	0.0	12.0	12.9	0.3	0.0	0.0	7.6	0.0	0.0	15.0	10.6	6.5
515+50.00	12.3	56.7	0.9	7.9	52.9	60.4	2.7	5.8	3.8	25.1	0.0	3.8	47.3	48.7	21.3
516+00.00	43.3	99.4	4.4	21.8	66.9	95.4	16.8	16.2	10.5	41.6	0.0	10.5	80.0	64.3	35.3
516+38.40	47.7	85.3	4.7	16.6	47.6	56.5	12.8	12.9	8.1	35.2	0.0	8.1	67.8	35.2	29.9
516+50.00	15.2	25.6	1.4	5.0	11.5	17.1	1.1	4.0	2.4	10.6	0.0	2.4	20.3	13.5	9.0
517+00.00	63.6	112.8	9.2	21.6	40.4	88.0	6.6	17.6	10.6	45.4	0.0	10.6	86.7	68.2	38.6
517+43.17	54.8	108.6	11.6	18.5	52.1	80.4	5.8	15.8	9.2	39.7	0.0	9.2	80.8	62.6	33.7
517+50.00	8.9	18.3	2.4	3.0	9.8	11.7	0.4	2.6	1.5	5.9	0.0	1.5	13.1	9.6	5.0
518+00.00	90.0	155.1	11.9	23.4	60.1	85.5	4.4	19.1	10.7	42.1	0.0	10.7	120.0	68.2	35.8
518+50.00	115.1	159.6	11.4	26.5	55.6	89.1	10.1	19.8	10.7	39.7	0.0	10.7	124.3	65.6	33.8
518+69.35	38.6	48.9	7.5	5.4	25.9	36.7	3.1	3.9	2.1	12.9	0.0	2.1	34.1	28.0	11.0
519+00.00	54.3	70.6	16.4	0.0	35.8	56.3	3.3	0.0	0.0	17.4	0.0	0.0	43.6	44.5	14.8
519+50.00	90.6	123.3	27.8	0.0	58.5	93.4	5.2	0.0	0.0	28.9	0.0	0.0	77.1	74.2	24.6
520+00.00	87.2	127.9	21.5	0.0	70.5	99.4	1.3	0.0	0.0	29.6	0.0	0.0	87.2	83.2	25.2
520+05.69	9.6	14.3	2.5	0.0	8.0	11.3	0.1	0.0	0.0	3.4	0.0	0.0	9.7	9.5	2.9
520+50.00	71.2	119.9	12.9	0.0	55.6	87.2	3.2	0.0	0.0	27.2	0.0	0.0	89.0	70.9	23.2
521+00.00	65.1	123.7	3.4	0.0	48.5	94.9	4.3	0.0	0.0	32.3	0.0	0.0	101.7	76.4	27.5
521+14.83	29.8	34.7	0.3	0.0	12.9	26.9	1.2	0.0	0.0	10.1	0.0	0.0	29.2	21.7	8.6
521+50.00	63.6	85.4	1.8	0.0	39.7	69.4	6.8	0.0	0.0	26.8	0.0	0.0	70.8	52.2	22.8
521+63.81	9.6	26.6	1.3	0.0	19.4	30.9	2.5	0.0	0.0	11.6	0.0	0.0	21.3	23.8	9.9
522+00.00	30.0	59.7	4.6	0.0	49.7	80.0	2.7	0.0	0.0	32.8	0.0	0.0	46.1	65.3	27.9
522+50.00	78.1	98.6	16.8	0.0	64.1	122.5	3.4	0.0	0.0	51.4	0.0	0.0	67.1	100.7	43.7
523+00.00	114.0	156.9	25.7	0.0	58.1	142.8	2.4	0.0	0.0	62.6	0.0	0.0	107.6	119.0	53.2
523+50.00	117.8	197.5	32.0	0.0	53.2	125.3	3.1	0.0	0.0	80.0	0.0	0.0	135.8	103.4	68.0
524+00.00	119.4	195.4	35.6	0.0	57.0	120.2	2.5	0.0	0.0	114.4	0.0	0.0	130.5	99.7	97.3
524+50.00	121.6	208.0	28.0	0.0	59.9	120.6	1.9	0.0	0.0	140.4	0.0	0.0	148.8	100.5	119.3
525+00.00	123.4	218.9	23.5	0.0	57.1	92.8	3.4	0.0	0.0	141.6	0.0	0.0	162.5	75.4	120.3
525+50.00	125.2	224.5	21.2	0.0	53.0	65.9	19.7	0.0	0.0	131.7	0.0	0.0	169.7	36.3	111.9
526+00.00	125.6	241.1	12.6	0.0	53.3	62.3	39.4	0.0	0.0	114.2	0.1	0.0	192.4	13.5	96.9
526+12.78	32.3	65.1	1.6	0.0	14.6	18.5	5.9	0.0	30.9	22.8	23.9	0.0	53.7	9.8	-4.5
526+50.00	95.3	196.5	14.8	0.0	42.4	53.6	24.1	0.0	90.4	62.1	69.5	0.0	152.3	21.4	-16.7
527+00.00	137.8	261.4	21.2	11.5	65.6	82.2	49.3	11.8	9.4	95.5	0.0	7.5	201.0	20.6	81.1
527+50.00	138.9	214.1	9.5	23.5	76.4	97.2	27.6	23.5	20.6	98.9	0.0	16.4	172.4	55.0	84.1
528+00.00	123.0	138.1	12.0	25.2	75.4	108.0	29.1	23.5	25.9	108.5	0.0	19.4	105.3	62.7	92.2
528+50.00	117.5	108.3	9.2	27.5	73.2	114.7	35.2	23.5	32.1	111.0	0.0	23.5	82.9	62.3	94.4
529+00.00	120.1	111.1	3.0	29.8	74.4	118.1	25.2	23.5	36.4	106.9	0.0	25.9	91.5	75.2	90.8
529+50.00	121.2	107.9	3.8	32.0	76.3	122.2	19.3	23.5	37.9	99.8	0.0	25.9	87.9	84.6	84.8
530+00.00	123.1	112.9	9.8	33.2	76.1	118.8	19.0	23.5	39.1	92.6	0.0	25.8	86.1	82.0	78.7
530+50.00	125.0	145.4	8.7	33.2	73.5	118.3	21.6	23.5	40.2	98.6	0.0	25.8	114.9	79.0	83.8
531+00.00	135.4	208.3	2.8	41.4	73.5	123.9	20.2	29.4	47.3	105.4	0.0	32.4	174.3	85.1	89.6
531+50.00	145.9	266.6	1.4	49.6	76.6	121.6	15.6	35.2	53.7	108.6	0.0	39.0	225.2	87.8	92.3
532+00.00	149.2	308.8	1.4	49.7	78.1	115.6	20.0	37.4	49.9	97.8	0.0	39.0	261.1	78.3	83.1
532+50.00	151.4	312.2	2.8	49.8	95.4	116.4	32.1	43.8	42.6	71.1	0.0	38.9	262.6	66.8	60.4
532+73.00	68.5	123.3	1.3	23.0	51.9	49.3	19.3	22.9	17.9	23.4	0.0	17.9	103.5	22.6	19.9
533+00.00	81.9	131.6	2.3	28.4	60.3	49.0	22.7	27.9	21.0	21.9	0.0	21.0	109.5	19.0	18.6
533+50.00	215.5	194.0	79.0	55.8	142.4	91.8	54.2	63.8	38.9	36.6	0.0	38.9	85.9	23.8	31.1

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm
 CLIENT: # 194-001332
 DATE PLOTTED: 11/11/2014 10:28:54 AM
 PLOT DRIVER: standard-trans.tbl
 PLOT TABLE: standard-trans.tbl



USER NAME = tye1ton	DESIGNED - JPA	REVISED -
FILE NAME = 090271-sch-01.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = N.T.S.	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE - 11/12/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
CHARLES J. MILLER ROAD ROADWAY IMPROVEMENTS

SCALE: N.T.S. SHEET NO. 1 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	18
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 63892	

SCHEDULE OF QUANTITIES
EARTHWORK – CHARLES J. MILLER ROAD (CONT.)

PMILL	STAGE 1 (CU YD)			STAGE 2 (CU YD)			STAGE 3 (CU YD)			EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) WITH 15% SHRINKAGE					
	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION	EMBANKMENT	AGGREGATE SUBGRADE IMPROVEMENT	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION	EMBANKMENT	AGGREGATE SUBGRADE IMPROVEMENT	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION	EMBANKMENT	AGGREGATE SUBGRADE IMPROVEMENT	PRE-STAGE 1	STAGE 2	STAGE 3
534+00.00	203.2	112.4	100.6	45.5	104.9	80.6	38.1	55.5	49.9	54.3	0.0	38.9	-5.1	30.3	46.1
534+50.00	151.3	301.2	60.4	62.0	121.4	129.4	69.7	45.7	49.9	102.3	0.0	38.9	195.7	40.3	87.0
535+00.00	151.4	324.7	39.8	70.4	144.9	228.6	70.3	57.3	38.9	141.2	0.0	38.9	236.2	124.0	120.0
535+25.00	64.5	63.3	2.6	25.6	39.1	118.0	3.6	27.2	22.6	71.3	0.0	19.4	51.2	96.7	60.6
535+50.00	63.0	61.5	1.6	24.6	39.1	98.6	6.3	25.3	25.9	63.8	0.0	19.4	50.7	77.4	54.2
536+00.00	124.6	135.4	3.1	42.9	82.5	173.1	23.0	50.6	50.7	113.1	0.0	38.8	112.0	124.2	96.1
536+50.00	118.5	109.2	7.3	36.7	82.7	159.1	21.5	50.5	49.1	103.0	0.0	38.9	85.5	113.7	87.5
537+00.00	110.6	79.0	7.9	34.6	82.7	156.0	19.7	50.5	48.9	95.7	0.0	38.9	59.3	112.9	81.4
537+50.00	98.9	102.1	3.2	34.5	83.2	157.0	17.9	50.6	50.4	96.0	0.0	38.9	83.6	115.6	81.6
537+89.70	71.3	95.7	2.4	27.3	93.7	118.5	7.9	39.0	40.3	79.1	0.0	30.9	78.9	92.8	67.2
538+00.00	18.5	25.7	0.6	7.1	31.4	28.3	2.1	9.8	10.3	20.3	0.0	8.0	21.2	21.9	17.3
538+50.00	72.9	112.1	2.5	17.2	89.4	106.7	11.9	23.5	31.6	88.4	0.0	19.4	92.8	78.8	75.2
538+81.28	39.2	52.7	3.4	0.0	16.0	46.8	6.6	0.0	8.2	49.4	0.0	0.0	41.4	33.2	41.9
539+00.00	24.2	25.0	2.0	0.0	12.8	28.6	2.9	0.0	3.5	30.1	0.0	0.0	19.2	21.5	25.6
539+21.97	30.0	30.4	1.6	0.0	22.2	28.9	4.7	0.0	4.6	34.2	0.0	0.0	24.3	19.9	29.1
539+50.00	39.7	34.5	8.1	0.0	29.1	28.0	14.2	0.0	4.5	43.9	0.0	0.0	21.2	9.6	37.3
540+00.00	65.1	72.1	16.7	0.0	64.3	48.6	36.9	0.0	0.0	85.7	0.0	0.0	44.6	4.4	72.9
540+50.00	67.0	152.1	5.9	0.0	66.1	40.4	22.4	0.0	0.0	89.2	0.0	0.0	123.4	11.9	75.8
541+00.00	58.1	186.9	2.3	0.0	75.9	33.4	20.7	0.0	0.0	90.3	0.0	0.0	156.5	7.7	76.7
541+50.00	36.2	155.1	2.1	0.0	97.0	25.5	49.4	0.0	1.9	89.1	0.6	0.0	129.7	-27.7	75.1
542+00.00	28.8	138.3	2.4	0.0	92.5	14.6	69.4	0.0	6.2	89.8	5.4	0.0	115.2	-57.0	71.0
542+50.00	20.8	130.6	2.8	0.0	93.9	10.6	80.9	0.0	8.4	77.8	4.7	0.0	108.2	-71.9	61.4
543+00.00	4.3	160.5	1.6	0.0	98.1	9.9	100.1	0.0	5.6	61.9	0.0	0.0	134.8	-91.7	52.7
543+35.00	0.6	196.6	0.2	0.0	69.9	10.4	104.5	0.0	1.0	45.6	0.0	0.0	166.9	-95.7	38.7
543+50.00	17.9	112.6	0.4	0.0	29.3	6.4	53.5	0.0	0.0	20.4	0.0	0.0	95.3	-48.1	17.4
544+00.00	59.5	225.0	1.7	0.0	90.6	31.0	172.8	0.0	0.0	60.7	0.0	0.0	189.6	-146.4	51.6
544+50.00	38.2	74.7	11.8	0.0	78.9	44.4	166.7	0.0	0.0	48.1	0.0	0.0	51.8	-129.0	40.9
545+00.00	81.0	67.9	38.7	0.0	66.6	52.2	141.4	0.0	0.0	35.7	0.0	0.0	19.0	-97.0	30.4
545+50.00	118.5	66.5	69.6	0.0	50.0	58.5	92.4	0.0	0.0	30.6	0.9	0.0	-13.1	-42.7	25.0
546+00.00	132.1	92.7	88.6	0.0	33.5	64.3	47.6	0.0	0.0	30.5	2.0	0.0	-9.8	7.0	23.9
546+50.00	115.2	139.2	85.6	0.0	23.1	70.8	26.0	0.0	0.0	37.0	1.7	0.0	32.6	34.2	29.8
547+00.00	120.5	205.1	73.0	0.0	19.4	84.4	18.1	0.0	0.0	54.4	0.6	0.0	101.4	53.6	45.7
547+50.00	117.5	246.5	54.9	0.0	28.1	92.1	32.2	0.0	0.0	66.3	0.0	0.0	154.6	46.1	56.4
548+00.00	55.3	677.0	21.5	0.0	39.5	86.6	58.7	0.0	0.0	68.0	0.0	0.0	554.0	14.9	57.8
548+50.00	69.7	718.6	18.7	0.0	42.6	78.9	71.4	0.0	0.0	61.6	0.0	0.0	592.1	-4.3	52.3
549+00.00	123.6	197.2	97.1	0.0	43.2	75.1	73.7	0.0	0.0	51.0	0.0	0.0	70.5	-9.9	43.4
549+50.00	111.4	57.3	174.0	0.0	43.4	66.9	76.4	0.0	0.0	40.6	0.1	0.0	-125.3	-19.5	34.4
550+00.00	116.8	52.4	220.1	0.0	71.9	66.0	123.5	0.0	0.0	26.9	0.1	0.0	-175.5	-67.4	22.8
550+50.00	122.9	46.9	278.9	0.0	101.9	70.6	163.3	0.0	0.0	17.6	0.0	0.0	-239.0	-103.3	15.0
551+00.00	184.2	63.7	279.1	0.0	105.5	68.1	175.2	0.0	0.0	15.9	0.0	0.0	-224.9	-117.3	13.5
551+50.00	253.8	95.1	138.9	0.0	88.1	58.8	184.1	0.0	0.0	16.5	0.0	0.0	-58.1	-134.1	14.0
551+68.21	92.2	44.4	10.1	0.0	24.9	17.9	61.4	0.0	0.0	6.1	0.0	0.0	27.7	-46.1	5.2
552+00.00	105.2	99.0	10.0	0.0	43.9	30.4	113.0	0.0	0.0	11.3	0.0	0.0	74.1	-87.2	9.6
552+50.00	93.0	254.0	2.7	0.0	78.6	38.6	186.3	0.0	0.0	18.4	0.0	0.0	213.2	-153.5	15.7
553+00.00	109.4	281.8	8.7	0.0	68.5	22.1	91.3	0.0	1.2	19.5	0.0	0.0	230.8	-72.5	16.6
553+50.00	114.1	246.8	9.1	0.0	46.6	23.3	33.1	0.0	1.2	22.1	0.0	0.0	200.7	-13.3	18.8
554+00.00	97.9	247.2	2.4	0.0	46.9	35.4	65.3	0.0	0.0	21.3	0.0	0.0	207.7	-35.2	18.1
554+50.00	93.7	235.7	2.4	0.0	50.9	42.9	67.5	0.0	0.0	18.1	0.0	0.0	198.0	-31.1	15.4
555+00.00	97.2	234.0	2.4	0.0	50.6	48.7	64.9	0.0	0.0	23.3	0.0	0.0	196.5	-23.5	19.8

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm #184-001322
 DATE PLOTTED: 11/11/2014 10:23:58 AM
 FILE NAME: 090071-sch-02.dgn
 PLOT DRIVER: pdfcut
 PEN TABLE: standard-tranx.tbl



USER NAME = tyeilton	DESIGNED - JPA	REVISED -
FILE NAME = 090071-sch-02.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = N.T.S.	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE - 11/12/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
CHARLES J. MILLER ROAD ROADWAY IMPROVEMENTS

SCALE: N.T.S. SHEET NO. 2 OF 8 SHEETS STA. TO STA.

F.A.U. RTE. 3860	SECTION 09-00372-01-PW	COUNTY MCHENRY	TOTAL SHEETS 358	SHEET NO. 19
CONTRACT NO. 63892				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES
EARTHWORK – CHARLES J. MILLER ROAD (CONT.)

PMILL	STAGE 1 (CU YD)				STAGE 2 (CU YD)				STAGE 3 (CU YD)				EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) WITH 15% SHRINKAGE		
	STATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION	EMBANKMENT	AGGREGATE SUBGRADE IMPROVEMENT	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION	EMBANKMENT	AGGREGATE SUBGRADE IMPROVEMENT	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION	EMBANKMENT	AGGREGATE SUBGRADE IMPROVEMENT	PRE-STAGE 1	STAGE 2
555+50.00	100.6	205.6	4.4	0.0	51.2	50.9	64.9	0.0	0.0	31.4	0.0	0.0	170.4	-21.6	26.7
556+00.00	56.8	321.0	8.4	0.0	51.9	51.9	54.2	0.0	0.0	41.2	0.0	0.0	264.4	-10.0	35.0
556+50.00	55.8	267.5	81.0	0.0	44.1	48.3	34.6	0.0	0.0	51.7	0.0	0.0	146.4	6.5	43.9
557+00.00	105.6	71.9	147.0	0.0	35.5	43.2	28.7	0.0	0.0	55.2	0.0	0.0	-85.9	8.1	46.9
557+50.00	113.1	74.5	126.0	0.0	29.9	39.8	26.5	0.0	0.0	58.0	0.0	0.0	-62.7	7.4	49.3
558+00.00	149.6	230.3	114.1	0.0	20.3	34.4	18.7	0.0	0.0	61.2	0.1	0.0	81.7	10.5	51.9
558+50.00	202.4	479.0	141.2	0.0	17.9	30.0	19.4	0.0	0.0	63.6	0.2	0.0	265.9	6.1	53.9
559+00.00	248.1	647.1	246.9	0.0	18.1	28.3	21.2	0.0	0.0	63.7	0.3	0.0	303.2	2.9	53.9
559+50.00	299.0	707.2	310.6	0.0	15.5	33.7	14.4	0.0	0.0	62.4	0.6	0.0	290.6	14.2	52.4
560+00.00	311.0	485.7	253.2	0.0	7.6	38.2	11.0	0.0	0.0	59.6	1.4	0.0	159.6	21.5	49.3
560+50.00	197.4	149.2	155.6	0.0	0.0	40.0	8.1	0.0	0.0	57.4	3.6	0.0	-28.8	25.9	45.2
561+00.00	99.3	34.5	62.0	0.0	0.0	40.3	5.2	0.0	0.0	54.0	7.3	0.0	-32.7	29.1	38.6
561+50.00	105.7	87.5	15.9	0.0	0.0	42.9	6.1	0.0	0.0	48.0	10.2	0.0	58.4	30.3	30.6
562+00.00	110.0	213.6	3.1	0.0	0.0	47.9	3.9	0.0	0.0	39.4	8.4	0.0	178.5	36.8	25.1
562+50.00	111.4	370.5	2.4	0.0	3.1	53.4	4.5	0.0	0.0	31.4	3.2	0.0	312.5	40.9	23.4
563+00.00	107.3	431.9	2.3	0.0	9.5	65.8	7.9	0.0	0.0	31.9	0.4	0.0	364.8	48.1	26.8
563+50.00	96.2	384.9	2.2	0.0	16.3	74.6	7.0	0.0	0.0	38.0	0.0	0.0	324.9	56.4	32.3
564+00.00	80.6	288.3	2.2	0.0	24.1	79.3	6.5	0.0	0.0	46.0	0.0	0.0	242.9	60.9	39.1
564+50.00	56.9	159.5	3.7	0.0	35.9	81.4	16.1	0.0	0.0	55.2	0.0	0.0	131.9	53.1	46.9
565+00.00	36.6	98.1	4.6	0.0	44.9	74.4	33.1	0.0	0.0	60.8	0.0	0.0	78.8	30.1	51.7
565+32.45	79.9	75.6	44.0	0.0	33.8	22.0	32.0	0.0	1.9	50.1	0.0	0.0	20.3	-13.3	42.5
565+50.00	43.1	55.8	28.5	0.0	10.1	0.0	10.1	0.0	8.5	37.3	11.6	0.0	19.0	-10.1	20.1
566+00.00	62.5	172.7	29.7	0.0	0.0	0.0	0.0	0.0	85.1	111.9	79.6	0.0	117.1	0.0	15.5
566+50.00	97.8	163.8	22.9	0.0	0.0	0.0	0.0	0.0	128.7	88.0	96.4	0.0	116.4	0.0	-21.6
567+00.00	106.7	187.9	18.3	0.0	0.0	0.0	0.0	0.0	129.6	123.1	85.6	0.0	141.4	0.0	19.1
567+50.00	119.5	234.9	20.9	0.0	0.0	0.0	0.0	0.0	134.6	164.3	80.1	0.0	178.7	0.0	59.5
568+00.00	128.9	274.6	27.3	0.0	0.0	0.0	0.0	0.0	139.6	147.8	95.6	0.0	206.1	0.0	30.1
568+50.00	130.7	249.5	54.8	0.0	0.0	0.0	0.0	0.0	142.6	142.2	120.2	0.0	157.3	0.0	0.7
569+00.00	121.9	178.1	70.3	0.0	0.0	0.0	0.0	0.0	151.8	139.4	142.7	0.0	81.1	0.0	-24.2
569+50.00	109.0	134.3	37.6	0.0	0.0	0.0	0.0	0.0	169.1	135.2	134.3	0.0	76.5	0.0	-19.4
570+00.00	99.9	101.0	31.6	0.0	0.0	0.0	0.0	0.0	178.0	120.7	144.1	0.0	54.3	0.0	-41.4
570+50.00	90.6	69.0	45.4	0.0	0.0	0.0	0.0	0.0	172.8	97.5	159.1	0.0	13.3	0.0	-76.2
571+00.00	122.9	71.8	84.9	0.0	94.4	28.0	73.1	0.0	85.6	102.5	75.8	0.0	-23.9	-49.4	11.3
TOTALS:	12280.6	21628.2	4726.1	1092.0	6200.4	8080.2	4286.7	1039.8	2746.1	7877.4	1370.3	836.2	13657.9	2581.4	5325.5

PAYCODE		TOTAL (CU YD)
20200100	EARTH EXCAVATION	21564.8
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	21227.2
30300001	AGGREGATE SUBGRADE IMPROVEMENT	2967.9

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm # 184-091322
 CLIENT: 11/11/2014 10:26:07 AM
 DATE PLOTTED: 09:07:58 PM
 PLOT USER: JLP
 PEN TABLE: Standard Forms.tbl



USER NAME = tye1ton	DESIGNED - JPA	REVISED -
FILE NAME = B98071-sch-03.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = N.T.S.	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE - 11/12/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
CHARLES J. MILLER ROAD ROADWAY IMPROVEMENTS

SCALE: N.T.S. SHEET NO. 3 OF 8 SHEETS STA. TO STA.

F.A.U. RTE. 3860	SECTION 09-00372-01-PW	COUNTY MCHENRY	TOTAL SHEETS 358	SHEET NO. 20
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 63892		

SCHEDULE OF QUANTITIES
EARTHWORK – ILLINOIS ROUTE 31

P31	STAGE 1 (CU YD)				STAGE 2 (CU YD)				STAGE 3 (CU YD)				EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) WITH 15% SHRINKAGE		
	STATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION	EMBANKMENT	AGGREGATE SUBGRADE IMPROVEMENT	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION	EMBANKMENT	AGGREGATE SUBGRADE IMPROVEMENT	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION	EMBANKMENT	AGGREGATE SUBGRADE IMPROVEMENT	PRE-STAGE 1	STAGE 2
99+25.00													0.0	0.0	0.0
99+50.00	2.4	9.8	1.2	0.0	17.7	12.0	24.4	0.0	0.0	3.8	0.0	0.0	7.2	-14.2	3.2
100+00.00	13.4	22.9	9.4	0.0	125.2	27.6	133.1	0.0	0.0	3.1	0.0	0.0	10.0	-109.6	2.7
100+50.00	19.4	25.9	18.6	0.0	118.2	29.6	126.3	0.0	0.0	1.9	0.0	0.0	3.4	-101.1	1.7
101+00.00	12.7	31.3	13.9	0.0	30.4	30.3	29.7	0.0	0.0	1.9	0.0	0.0	12.7	-4.0	1.7
101+31.14	3.5	23.2	2.9	0.0	35.3	19.3	15.2	0.0	0.0	1.2	0.0	0.0	16.9	1.3	1.0
101+50.00	1.6	15.0	0.8	0.0	25.1	13.2	10.2	0.0	0.0	1.1	0.0	0.0	12.0	1.0	0.9
102+00.00	4.5	46.9	2.3	0.0	44.4	50.6	36.3	0.0	0.0	5.6	0.0	0.0	37.6	6.8	4.8
102+50.00	19.5	57.8	5.5	0.0	37.9	67.9	16.5	0.0	0.0	8.5	0.0	0.0	43.6	41.2	7.2
102+54.91	3.4	6.2	0.8	0.0	4.2	8.0	0.4	0.0	0.0	0.9	0.0	0.0	4.4	6.4	0.8
102+88.42	17.4	45.7	3.4	0.0	61.9	99.8	1.4	0.0	0.0	6.5	0.0	0.0	35.5	83.4	5.5
103+00.00	2.4	16.9	0.5	0.0	32.0	47.9	0.2	0.0	0.0	2.4	0.0	0.0	13.8	40.5	2.0
103+50.00	6.6	74.1	2.3	0.0	99.2	147.1	4.0	0.0	0.0	10.5	0.0	0.0	60.6	121.1	8.9
104+00.00	11.3	76.1	2.2	0.0	60.6	88.7	8.6	0.0	0.0	10.5	0.0	0.0	62.5	66.8	8.9
104+50.00	17.8	83.3	3.0	0.0	56.6	95.6	7.1	0.0	0.0	9.2	0.0	0.0	67.9	74.1	7.8
105+00.00	28.1	96.7	5.2	0.0	56.9	128.3	3.2	0.0	0.0	5.9	0.0	0.0	77.0	105.8	5.0
105+50.00	35.4	109.6	5.7	0.0	54.4	136.3	3.0	0.0	0.0	2.8	0.0	0.0	87.4	112.9	2.4
106+00.00	33.5	115.1	4.6	0.0	47.7	111.4	3.3	0.0	0.0	2.2	0.0	0.0	93.2	91.3	1.9
106+50.00	22.6	108.1	3.7	0.0	43.9	97.3	3.2	0.0	0.0	2.4	0.0	0.0	88.1	79.5	2.0
107+00.00	37.1	115.5	6.3	0.0	41.7	91.1	3.1	0.0	0.0	2.2	0.0	0.0	91.8	74.4	1.9
107+50.00	67.9	141.8	8.6	0.0	43.3	90.3	2.5	0.0	0.0	2.6	0.0	0.0	111.9	74.2	2.2
108+00.00	59.8	156.1	13.9	0.0	45.9	88.6	2.5	0.0	0.0	3.9	0.0	0.0	118.8	72.8	3.3
108+50.00	79.5	205.6	10.9	0.0	54.0	81.5	7.5	0.0	0.0	7.5	0.0	0.0	163.9	61.8	6.4
109+00.00	107.1	217.5	20.6	12.6	75.1	84.1	20.5	11.5	1.1	13.4	0.0	1.1	164.3	51.0	11.4
109+50.00	102.1	184.7	47.2	25.2	94.8	98.1	20.6	23.0	2.2	17.3	0.0	2.2	109.8	62.9	14.7
109+74.70	51.4	93.4	23.5	12.4	50.7	48.9	3.7	11.3	1.1	9.0	0.0	1.1	56.0	37.9	7.7
110+00.00	50.6	94.4	24.3	12.7	50.9	50.2	3.2	11.6	1.1	9.6	0.0	1.1	55.9	39.4	8.1
110+50.00	101.2	182.2	55.2	25.2	90.2	99.4	7.7	23.0	2.2	18.8	0.0	2.2	99.7	76.8	16.0
111+00.00	96.0	171.1	63.9	12.6	70.3	76.7	4.4	11.5	1.1	12.6	0.0	1.1	81.6	60.8	10.7
111+50.00	93.7	163.3	70.7	0.0	59.5	73.7	3.1	0.0	0.0	5.1	0.0	0.0	68.1	59.6	4.3
112+00.00	96.3	158.6	65.9	0.0	44.9	71.8	4.1	0.0	0.0	2.8	0.0	0.0	68.9	56.9	2.4
112+26.98	51.2	83.8	25.5	0.0	29.4	31.5	5.1	0.0	0.0	0.8	0.0	0.0	45.8	21.7	0.7
112+50.00	43.2	80.1	8.4	0.0	26.6	30.7	3.5	0.0	0.0	0.5	0.0	0.0	59.7	22.6	0.4
113+00.00	96.4	211.3	4.4	0.0	47.5	86.5	2.0	0.0	0.0	1.9	0.0	0.0	175.3	71.5	1.7
113+50.00	102.6	242.4	2.5	0.0	60.6	90.9	6.8	0.0	0.0	1.9	0.0	0.0	203.5	70.5	1.6
114+00.00	104.9	241.7	3.1	0.0	59.9	95.3	7.4	0.0	0.0	1.1	0.0	0.0	202.4	73.6	0.9
114+50.00	111.6	251.9	3.1	0.0	45.8	83.3	2.3	0.0	0.0	0.8	0.0	0.0	210.9	68.5	0.7
114+61.07	27.0	60.2	0.6	0.0	9.8	12.4	0.4	0.0	0.0	0.2	0.0	0.0	50.6	10.1	0.1
115+00.00	98.3	223.2	1.9	0.0	39.7	52.1	3.5	0.0	0.0	0.5	0.0	0.0	187.8	40.8	0.4
115+46.76	121.3	294.8	1.6	0.0	45.3	64.3	7.7	0.0	0.0	0.4	0.0	0.0	249.0	47.0	0.4
115+50.00	8.7	20.8	0.1	0.0	3.2	3.6	0.7	0.0	0.0	0.0	0.0	0.0	17.6	2.4	0.0
116+00.00	135.6	313.8	1.9	0.0	39.4	55.1	17.5	0.0	0.0	0.4	0.0	0.0	264.9	29.3	0.3
116+50.00	136.1	346.1	3.2	0.0	30.7	57.7	25.5	0.0	0.0	0.5	0.0	0.0	291.0	23.6	0.4
116+88.96	106.0	305.3	2.3	0.0	28.6	42.4	11.4	0.0	0.0	0.4	0.0	0.0	257.2	24.6	0.4
117+00.00	29.7	89.0	0.4	0.0	8.9	10.1	0.7	0.0	0.0	0.1	0.0	0.0	75.3	7.9	0.1
117+50.00	140.7	434.0	1.5	0.0	34.9	55.5	11.8	0.0	0.0	0.3	0.0	0.0	367.4	35.4	0.2
118+00.00	153.9	419.1	1.8	0.0	31.3	48.8	15.7	0.0	0.0	0.1	0.0	0.0	354.5	25.7	0.1
118+50.00	157.7	280.4	3.4	0.0	26.5	36.9	19.8	0.0	0.0	0.0	0.0	0.0	234.9	11.5	0.0
119+00.00	117.0	96.8	44.1	0.0	49.4	50.5	94.3	0.0	0.0	0.1	0.0	0.0	38.2	-51.4	0.1

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm # 184-001322
 CLIENT: 11/11/2014 10:26:04 AM
 DATE PLOTTED: 09/07/14 sch-04.dgn
 FILE NAME: JLP
 PLOT SCALE: N.T.S.
 PLOT DATE: 11/12/14



USER NAME = tjelton	DESIGNED - JPA	REVISED -
FILE NAME = 090714-sch-04.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = N.T.S.	CHECKED - JLP	REVISED -
PLOT DATE = 11/12/14	DATE - 11/12/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
CHARLES J. MILLER ROAD ROADWAY IMPROVEMENTS

SCALE: N.T.S. SHEET NO. 4 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	21
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63892	

SCHEDULE OF QUANTITIES
EARTHWORK – ILLINOIS ROUTE 31 (CONT.)

P31	STAGE 1 (CU YD)				STAGE 2 (CU YD)				STAGE 3 (CU YD)				EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) WITH 15% SHRINKAGE		
	STATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION	EMBANKMENT	AGGREGATE SUBGRADE IMPROVEMENT	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION	EMBANKMENT	AGGREGATE SUBGRADE IMPROVEMENT	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION	EMBANKMENT	AGGREGATE SUBGRADE IMPROVEMENT	PRE-STAGE 1	STAGE 2
119+50.00	79.1	58.6	42.3	39.5	79.6	53.7	89.8	32.2	0.3	0.6	0.0	0.3	7.5	-44.2	0.5
120+00.00	141.7	89.7	20.6	72.0	71.3	102.8	11.0	63.1	0.5	0.8	0.0	0.5	55.7	76.3	0.7
120+50.00	210.2	63.2	74.7	64.9	46.1	120.0	6.6	45.9	0.5	1.0	0.0	0.5	-21.0	95.4	0.9
121+00.00	215.8	64.6	145.0	64.0	26.1	75.5	10.4	25.9	0.6	1.4	0.0	0.6	-90.1	53.8	1.2
121+41.10	178.7	60.1	155.7	51.9	25.3	62.1	4.8	16.6	0.5	1.4	0.0	0.5	-104.6	48.0	1.2
121+50.00	39.1	14.0	35.6	11.2	8.0	15.2	0.3	3.4	0.1	0.3	0.0	0.1	-23.7	12.7	0.2
122+00.00	221.7	82.8	215.6	63.1	34.4	75.4	7.7	19.0	0.4	1.1	0.0	0.4	-145.3	56.4	0.9
122+50.00	192.9	77.8	262.6	31.6	9.4	57.5	14.2	9.4	0.2	1.7	0.0	0.2	-196.5	34.7	1.4
123+00.00	160.6	76.9	284.7	0.0	0.0	54.5	10.6	0.0	0.0	1.6	0.0	0.0	-219.3	35.7	1.3
123+50.00	223.1	132.0	228.3	60.6	26.8	87.6	7.8	21.5	0.5	1.8	0.0	0.5	-116.1	66.7	1.5
123+96.03	261.4	183.6	142.0	110.0	60.4	121.0	4.8	40.8	1.0	2.8	0.0	1.0	14.1	98.0	2.4
124+00.00	21.8	16.1	10.2	9.4	6.1	11.6	0.1	3.6	0.1	0.3	0.0	0.1	3.5	9.8	0.3
124+50.00	264.1	211.3	95.4	115.9	70.5	152.7	2.4	47.9	1.3	4.4	0.0	1.3	84.2	127.4	3.7
125+00.00	249.4	274.9	47.1	105.4	69.4	175.3	3.7	50.2	0.5	3.7	0.0	0.5	186.5	145.3	3.1
125+50.00	228.4	325.6	25.4	91.7	81.2	167.3	2.9	48.0	2.3	27.6	0.0	2.3	251.4	139.3	23.5
125+57.25	31.4	48.9	2.4	12.5	12.7	20.6	0.3	6.6	0.7	7.6	0.0	0.7	39.2	17.3	6.5
126+00.00	176.3	285.9	12.2	69.3	74.3	119.5	9.7	39.0	4.0	48.8	0.0	4.0	230.8	91.8	41.5
126+50.00	155.2	274.3	15.3	38.3	61.8	104.1	20.0	22.9	2.3	60.3	0.0	2.3	217.8	68.5	51.2
127+00.00	106.5	189.3	29.8	0.0	36.9	63.1	20.5	0.0	0.0	56.2	0.0	0.0	131.1	33.1	47.8
127+50.00	97.7	152.4	41.9	0.0	33.8	50.8	24.4	0.0	0.0	48.9	0.0	0.0	87.6	18.9	41.6
128+00.00	93.9	173.1	26.8	0.0	18.3	46.8	14.6	0.0	0.0	39.4	0.0	0.0	120.3	25.1	33.4
128+50.00	90.2	210.3	6.3	0.0	21.8	73.5	10.2	0.0	0.0	17.8	0.0	0.0	172.4	52.3	15.1
128+91.27	68.3	177.9	2.1	0.0	77.6	165.5	7.8	0.0	0.0	1.5	0.0	0.0	149.1	132.9	1.3
129+00.00	13.4	37.0	0.4	0.0	26.0	53.5	0.2	0.0	0.0	0.3	0.0	0.0	31.0	45.3	0.3
129+50.00	84.0	255.9	2.8	0.0	93.7	221.8	1.9	0.0	0.0	1.2	0.0	0.0	214.8	186.6	1.0
130+00.00	101.2	377.5	3.0	0.0	36.5	124.2	3.1	0.0	0.0	1.7	0.0	0.0	317.9	102.5	1.4
130+50.00	115.2	503.2	2.9	0.0	37.4	110.3	6.6	0.0	0.0	1.9	0.0	0.0	424.9	87.2	1.6
131+00.00	119.5	571.9	2.5	0.0	34.0	96.3	6.5	0.0	0.0	1.1	0.0	0.0	483.7	75.4	0.9
131+50.00	117.1	672.2	2.2	0.0	26.1	82.2	2.2	0.0	0.0	1.3	0.0	0.0	569.2	67.7	1.1
132+00.00	112.9	665.8	2.0	0.0	23.8	67.1	1.3	0.0	0.0	1.5	0.0	0.0	563.9	55.8	1.3
132+50.00	107.1	479.7	2.1	0.0	23.2	47.5	3.0	0.0	0.0	1.3	0.0	0.0	405.6	37.4	1.1
133+00.00	94.4	243.9	6.9	0.0	23.2	32.0	5.6	0.0	0.0	0.9	0.0	0.0	200.5	21.7	0.8
133+50.00	85.1	86.4	31.2	0.0	23.0	25.1	6.4	0.0	0.0	0.5	0.0	0.0	42.2	14.9	0.4
134+00.00	90.0	57.9	110.4	0.0	23.0	24.6	6.4	0.0	0.0	0.4	0.0	0.0	-61.2	14.5	0.3
134+50.00	99.4	53.6	193.7	0.0	22.8	24.3	7.3	0.0	0.0	0.4	0.0	0.0	-148.1	13.3	0.3
135+00.00	109.6	58.6	244.7	0.0	22.6	22.2	9.4	0.0	0.0	0.6	0.0	0.0	-194.9	9.5	0.5
135+50.00	107.6	53.9	308.6	0.0	22.4	21.7	11.0	0.0	0.0	1.2	0.0	0.0	-262.8	7.4	1.0
136+00.00	96.3	46.1	315.6	0.0	16.8	22.7	7.7	0.0	0.0	2.4	0.0	0.0	-276.5	11.6	2.0
136+50.00	92.8	44.4	311.1	0.0	9.5	26.9	3.7	0.0	0.0	4.3	0.0	0.0	-273.3	19.2	3.6
136+76.00	32.5	18.7	95.1	0.0	3.1	17.0	1.6	0.0	0.0	5.2	0.0	0.0	-79.2	12.9	4.5
TOTALS:	8025.7	14314.0	4164.2	1112.1	3709.4	6068.1	1112.8	587.8	24.5	552.2	0.0	24.5	8002.7	4045.1	469.4

PAYCODE		TOTAL (CU YD)
20200100	EARTH EXCAVATION	12517.1
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	11759.6
30300001	AGGREGATE SUBGRADE IMPROVEMENT	1724.4

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm # 184-001322
 DATE PLOTTED: 11/11/2014 10:26:08 AM
 PLOT SCALE: N.T.S.
 PEN TABLE: Standard-Trans.tbl



USER NAME = tyelton
 FILE NAME = 090071-sch-05.dgn
 PLOT SCALE = N.T.S.
 PLOT DATE = 11/11/2014

DESIGNED - JPA
 DRAWN - SVJ
 CHECKED - JLP
 DATE - 11/12/14

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES
 CHARLES J. MILLER ROAD ROADWAY IMPROVEMENTS**

SCALE: N.T.S. SHEET NO. 5 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	22
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 63892	

SCHEDULE OF QUANTITIES
EARTHWORK – GREEN STREET/BARREVILLE ROAD

PGREEN	STAGE 1 (CU YD)				STAGE 2 (CU YD)				EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) WITH 15% SHRINKAGE	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) WITH 15% SHRINKAGE
	STATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION	EMBANKMENT	AGGREGATE SUBGRADE IMPROVEMENT	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION	EMBANKMENT	AGGREGATE SUBGRADE IMPROVEMENT	STAGE 1
205+55.00									0.0	0.0
206+00.00	8.6	14.5	4.3	0.0	24.6	75.6	2.8	0.0	8.0	61.4
206+39.19	18.7	11.5	2.0	0.0	21.1	68.7	0.8	0.0	7.8	57.6
206+50.00	7.4	3.5	0.3	0.0	1.0	13.2	0.2	0.0	2.6	11.0
207+00.00	29.2	22.9	2.9	0.0	6.1	60.8	1.5	0.0	16.6	50.2
207+27.25	14.8	12.6	2.1	0.0	13.1	32.3	1.8	0.0	8.6	25.6
207+50.00	11.3	12.0	1.2	0.0	17.8	28.7	1.8	0.0	9.0	22.6
208+00.00	15.6	31.3	4.3	0.0	23.4	64.5	4.5	0.0	22.3	50.3
208+50.00	20.9	40.6	7.9	7.3	21.4	75.7	3.9	15.7	26.6	60.5
209+00.00	32.2	63.1	6.0	17.9	32.8	93.6	1.5	30.8	47.6	78.1
209+50.00	43.2	93.1	1.9	25.0	32.8	101.6	1.5	30.2	77.2	84.9
210+00.00	52.6	111.5	2.2	29.2	35.8	110.3	1.5	31.2	92.5	92.3
210+50.00	54.4	109.1	2.9	30.2	65.9	154.1	1.9	38.7	89.8	129.1
211+00.00	129.5	191.9	1.5	64.4	104.9	195.8	1.4	56.5	161.7	165.1
211+50.00	292.2	201.1	133.0	49.0	226.6	158.3	114.2	33.9	38.0	20.4
212+00.00	196.0	66.6	144.1	0.0	195.1	71.4	145.1	0.0	-87.5	-84.4
212+50.00	20.9	18.8	28.2	9.0	56.2	29.9	53.6	13.3	-12.3	-28.2
213+00.00	30.7	33.4	34.3	18.0	59.3	42.7	42.4	26.7	-5.8	-6.1
213+50.00	32.0	41.7	31.9	18.0	64.3	56.6	44.4	26.7	3.5	3.7
214+00.00	33.6	50.8	27.1	18.1	60.6	64.3	40.1	25.2	16.1	14.5
214+50.00	33.1	57.9	25.4	18.1	44.9	66.7	24.4	22.8	23.8	32.2
215+00.00	26.6	59.5	13.7	17.1	36.8	70.2	11.6	21.4	36.9	48.1
TOTALS:	1103.6	1247.4	477.1	321.3	1144.5	1634.9	500.8	373.1	583.1	888.9

PAYCODE	TOTAL (CU YD)
20200100 EARTH EXCAVATION	1472.0
20201200 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	2248.1
30300001 AGGREGATE SUBGRADE IMPROVEMENT	694.4

EARTHWORK SUMMARY

ITEM NO.	CODE	DESCRIPTION	CROSS SECTION BASED				TOTAL
			MILLER	IL 31	GREEN		
1	20200100	EARTH EXCAVATION	21,564.8	12,517.1	1,472.0		35,553.9
2	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	21,227.2	11,759.6	2,248.1		35,234.9
3	30300001	AGGREGATE SUBGRADE IMPROVEMENT	2,967.9	1,724.4	694.4		5,386.6

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 11/11/2014 10:54:11 AM
 FILE NAME: 09071-sch-06.dgn
 PLOT DRIVER: pdfcvt
 PEN TABLE: standard-trans.tbl



USER NAME = tye1son	DESIGNED - JPA	REVISED -
FILE NAME = 09071-sch-06.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = N.T.S.	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE - 11/12/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES
CHARLES J. MILLER ROAD ROADWAY IMPROVEMENTS**

F.A.U. RTE. 3860	SECTION 09-00372-01-PW	COUNTY MCHENRY	TOTAL SHEETS 358	SHEET NO. 23
SCALE: N.T.S.			SHEET NO. 6 OF 8 SHEETS STA. TO STA.	
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

CONTRACT NO. 63892

SCHEDULE OF QUANTITIES

(42400200) PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH

BULL VALLEY ROAD				
STA	TO STA	OFF	SO FT	
533+02	533+27	RT	258	
533+05	533+27	LT	530	
SUBTOTAL			788	SO FT

CHARLES J MILLER ROAD				
STA	TO STA	OFF	SO FT	
534+45	535+04	RT	548	
534+83	540+14	LT	3631	
540+99	552+35	LT	8095	
552+20	552+40	RT	162	
SUBTOTAL			12436	SO FT

IL ROUTE 31				
STA	TO STA	OFF	SO FT	
120+18	128+72	RT	7188	
129+12	136+76	RT	6278	
SUBTOTAL			13466	SO FT

GREEN STREET/BARREVILLE ROAD				
STA	TO STA	OFF	SO FT	
SUBTOTAL			0	SO FT
GRAND TOTAL			26690	SO FT

(60600605) CONCRETE CURB TYPE B

BULL VALLEY ROAD						
STA	OFF	TO STA	OFF	FOOT		
SUBTOTAL					0	FOOT

CHARLES J MILLER ROAD						
STA	OFF	TO STA	OFF	FOOT		
537+92		LT		113		
SUBTOTAL					113	FOOT

IL ROUTE 31						
STA	OFF	TO STA	OFF	FOOT		
109+71		RT		78		
115+46		RT		42		
116+89		RT		55		
121+41		RT		81		
SUBTOTAL					256	FOOT

GREEN STREET/BARREVILLE ROAD						
STA	OFF	TO STA	OFF	FOOT		
SUBTOTAL					0	FOOT
GRAND TOTAL					369	FOOT

(63100167) TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

BULL VALLEY ROAD						
STA	OFF	TO STA	OFF	EACH		
SUBTOTAL					0	EACH

CHARLES J MILLER ROAD						
STA	OFF	TO STA	OFF	EACH		
557+04	50.6	557+51	50.6	1		
SUBTOTAL					1	EACH

IL ROUTE 31						
STA	OFF	TO STA	OFF	EACH		
SUBTOTAL					0	EACH

GREEN STREET/BARREVILLE ROAD						
STA	OFF	TO STA	OFF	EACH		
SUBTOTAL					0	EACH
GRAND TOTAL					1	EACH

(60603800) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12

BULL VALLEY ROAD						
STA	OFF	TO STA	OFF	FOOT		
521+11		RT		112		
523+82	LT/RT	528+43	LT/RT	944		
SUBTOTAL					1056	FOOT

CHARLES J MILLER ROAD						
STA	OFF	TO STA	OFF	FOOT		
538+40	LT/RT	542+56	LT/RT	847		
540+50		LT		112		
545+44	LT/RT	549+69	LT/RT	851		
555+78	LT/RT	562+78	LT/RT	1403		
565+50		LT		13		
565+98	LT/RT	571+00	LT/RT	1011		
SUBTOTAL					4237	FOOT

IL ROUTE 31						
STA	OFF	TO STA	OFF	FOOT		
103+07		RT		31		
107+34	LT/RT	114+24	LT/RT	1380		
108+50		LT		4		
123+68	LT/RT	128+28	LT/RT	921		
125+54		RT		46		
129+00		RT		9		
SUBTOTAL					2391	FOOT

GREEN STREET/BARREVILLE ROAD						
STA	OFF	TO STA	OFF	FOOT		
206+09		LT	209+75	379		
206+20		RT	210+36	482		
212+32		LT	215+08	277		
212+34		RT	215+08	188		
SUBTOTAL					1326	FOOT
GRAND TOTAL					9010	FOOT

(60604400) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18

BULL VALLEY ROAD						
STA	STA	TO STA	OFF	FOOT		
SUBTOTAL					0	FOOT

CHARLES J MILLER ROAD						
STA	STA	TO STA	OFF	FOOT		
SUBTOTAL					0	FOOT

IL ROUTE 31						
STA	STA	TO STA	OFF	FOOT		
112+06		RT	112+45	68		
114+44		RT	114+80	61		
123+73		RT	124+20	54		
SUBTOTAL					183	FOOT

GREEN STREET/BARREVILLE ROAD						
STA	OFF	TO STA	OFF	FOOT		
SUBTOTAL					0	FOOT
GRAND TOTAL					183	FOOT

(60605000) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24

BULL VALLEY ROAD						
STA	OFF	TO STA	OFF	FOOT		
514+25	RT	520+96	RT	708		
514+50	LT	533+66	LT	1935		
521+33	RT	533+30	RT	1263		
SUBTOTAL					3906	FOOT

CHARLES J MILLER ROAD						
STA	OFF	TO STA	OFF	FOOT		
534+43	RT	543+11	RT	938		
534+75	LT	540+36	LT	612		
540+72	LT	552+66	LT	1276		
543+58	RT	552+67	RT	1051		
553+13	LT	565+17	LT	1276		
553+15	RT	555+76	RT	343		
556+41	RT	571+00	RT	1541		
565+57	LT	571+00	LT	564		
SUBTOTAL					7601	FOOT

IL ROUTE 31						
STA	OFF	TO STA	OFF	FOOT		
99+25	RT	102+89	RT	384		
99+25	LT	108+25	LT	940		
103+25	RT	118+53	RT	1572		
108+62	LT	118+26	LT	994		
120+37	RT	128+72	RT	880		
120+19	LT	136+76	LT	1651		
129+10	RT	136+76	RT	806		
SUBTOTAL					7227	FOOT

GREEN STREET/BARREVILLE ROAD						
STA	OFF	TO STA	OFF	FOOT		
SUBTOTAL					0	FOOT
GRAND TOTAL					18734	FOOT

(60619600) CONCRETE MEDIAN, TYPE SB-6.12

BULL VALLEY ROAD						
STA	TO STA	OFF	SO FT			
528+43	532+75	MED	2566			
SUBTOTAL					2566	SO FT

CHARLES J MILLER ROAD						
STA	TO STA	OFF	SO FT			
535+23	538+40	MED	1878			
543+51	545+44	MED	1234			
549+69	552+21	MED	1722			
553+61	555+78	MED	1478			
562+78	564+97	MED	1542			
SUBTOTAL					7854	SO FT

IL ROUTE 31						
STA	TO STA	OFF	SO FT			
114+24	118+26	MED	2384			
120+46	123+68	MED	1912			
SUBTOTAL					4296	SO FT

GREEN STREET/BARREVILLE ROAD						
STA	TO STA	OFF	SO FT			
SUBTOTAL					0	SO FT
GRAND TOTAL					14716	SO FT

(63000001) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS

BULL VALLEY ROAD						
STA	OFF	TO STA	OFF	FOOT		
SUBTOTAL					0.0	FOOT

CHARLES J MILLER ROAD						
STA	OFF	TO STA	OFF	FOOT		
543+61	74.1	551+14	44.6	775.0		
SUBTOTAL					775.0	FOOT

IL ROUTE 31						
STA	OFF	TO STA	OFF	FOOT		
SUBTOTAL					0.0	FOOT

GREEN STREET/BARREVILLE ROAD						
STA	OFF	TO STA	OFF	FOOT		
SUBTOTAL					0.0	FOOT
GRAND TOTAL					775.0	FOOT

(63000003) STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS

BULL VALLEY ROAD						
STA	OFF	TO STA	OFF	FOOT		
SUBTOTAL					0.0	FOOT

CHARLES J MILLER ROAD						
STA	OFF	TO STA	OFF	FOOT		
557+51	50.6	560+48	50.6	312.5		
SUBTOTAL					312.5	FOOT

IL ROUTE 31						
STA	OFF	TO STA	OFF	FOOT		
SUBTOTAL					0.0	FOOT

GREEN STREET/BARREVILLE ROAD						
STA	OFF	TO STA	OFF	FOOT		
SUBTOTAL					0.0	FOOT
GRAND TOTAL					312.5	FOOT

CHARLES J MILLER ROAD						
STA	OFF	TO STA	OFF	FOOT		
SUBTOTAL					0.0	FOOT
GRAND TOTAL					312.5	FOOT

(63100045) TRAFFIC BARRIER TERMINAL, TYPE 2

BULL VALLEY ROAD						
STA	OFF	TO STA	OFF	EACH		
SUBTOTAL					0	EACH

CHARLES J MILLER ROAD						
STA	OFF	TO STA	OFF	EACH		
543+70	83.8	543+61	74.1	1		
551+14	44.6	551+26	44.6	1		
SUBTOTAL					2	EACH

IL ROUTE 31						
STA	OFF	TO STA	OFF	EACH		
SUBTOTAL					0	EACH

GREEN STREET/BARREVILLE ROAD						
STA	OFF	TO STA	OFF	EACH		
SUBTOTAL					0	EACH
GRAND TOTAL					2	EACH

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm
 CLIENT: # 184-001322
 DATE PLOTTED: 11/11/2014 10:28:44 AM
 FILE NUMBER: 090071-sch-07.dgn
 PLOT NUMBER: per.tbl
 PEN TABLE: standard-trans.tbl



USER NAME = tyeilton	DESIGNED - JPA	REVISED -
FILE NAME = 090071-sch-07.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = N.T.S.	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE - 11/12/14	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES
 CHARLES J. MILLER ROAD ROADWAY IMPROVEMENTS**

F.A.U. RTE. 3860	SECTION 09-00372-01-PW	COUNTY MCHENRY	TOTAL SHEETS 358	SHEET NO. 24
CONTRACT NO. 63892			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

SCALE: N.T.S. SHEET NO. 7 OF 8 SHEETS STA. TO STA.

SCHEDULE OF QUANTITIES

ALIGN	MOT STAGE	STA	TO STA	LT/RT	TEMPORARY CONCRETE BARRIER (FOOT) 70400100	PINNED Y/N	PINNING TEMPORARY CONCRETE BARRIER (EACH) X7040125	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3 (EACH) 70600260	RELOCATE TEMPORARY CONCRETE BARRIER (FOOT) 70400200	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3 (EACH) 70600332
PMILL	1	514+00		RT		N/A		1		
PMILL	1	514+00	520+62	RT	662.5	Y	153			
PMILL	1	522+06		RT		N/A		1		
PMILL	1	522+06	533+06	RT	1100	Y	258			
PMILL	1	535+54		RT		N/A		1		
PMILL	1	535+54	536+91	RT	137.5	N				
PMILL	1	537+53		RT		N/A		1		
PMILL	1	537+53	538+53	RT	100	N				
PMILL	1	539+41		RT		N/A		1		
PMILL	1	539+41	542+42	RT	300	N				
PMILL	1	544+17		RT		N/A		1		
PMILL	1	544+17	548+66	RT	437.5	N				
PMILL	1	548+66	552+74	RT	750	Y	174			
PMILL	1	553+07		RT		N/A		1		
PMILL	1	553+07	555+31	RT	300	Y	66			
PMILL	1	556+77		RT		N/A		1		
PMILL	1	556+77	562+28	RT	550	N				
PMILL	1	562+28	571+16	RT	887.5	Y	207			
PMILL	1	566+05	571+17	LT	512.5	Y	117			
PMILL	1	571+17		LT		N/A		1		
PGREEN	1	206+32	206+82	LT	50	Y	6			
PGREEN	1	206+82		LT		N/A		1		
PGREEN	1	211+77	215+21	LT	375	Y	84			
PGREEN	1	215+21		LT		N/A		1		
FROM STAGE 1 TO BE USED IN STAGE 2:								6162.5		9
STAGE 1 SUB-TOTALS:					6162.5		1065		6162.5	9
PMILL	2	514+25	514+86	LT/RT	1862.5	Y	441			
PMILL	2	514+86		LT		N/A		1		
PMILL	2	535+08	552+68	LT	1800	Y	426			
PMILL	2	552+68		LT		N/A		1		
PMILL	2	553+09	564+89	LT	1262.5	Y	297			
PMILL	2	564+89		LT		N/A		1		
PMILL	2	566+15	570+02	LT	387.5	N				
PMILL	2	570+02		LT		N/A		1		
PGREEN	2	205+37		RT		N/A		1		
PGREEN	2	205+37	210+12	RT	475	Y	108			
PGREEN	2	205+43	210+17	LT	475	Y	108			
PGREEN	2	210+17		LT		N/A		1		
PGREEN	2	212+20		RT		N/A		1		
PGREEN	2	212+20	215+08	RT	287.5	Y	63			
PGREEN	2	212+22		LT		N/A		1		
PGREEN	2	212+22	214+47	LT	225	Y	48			
PGREEN	2	214+47		LT		N/A		1		
RELOCATED FROM STAGE 1:					6162.5			9		
FROM STAGE 2 TO BE USED IN STAGE 3:								775		6
STAGE 2 SUB-TOTALS (MINUS RELOCATIONS):					612.5		1491		0	
PGREEN	3	205+43		RT		N/A		1		
PGREEN	3	205+43	206+18	RT	75	Y	12			
PGREEN	3	206+74		RT		N/A		1		
PGREEN	3	206+74	206+99	RT	25	Y				
PGREEN	3	207+74		RT		N/A		1		
PGREEN	3	207+74	210+49	RT	275	Y	60			
PGREEN	3	210+49		RT		N/A		1		
PGREEN	3	211+70		RT		N/A		1		
PGREEN	3	211+70	215+21	RT	400	Y	90			
PGREEN	3	215+21		RT		N/A		1		
RELOCATED FROM STAGE 2:					775			6		
STAGE 3 SUB-TOTALS (MINUS RELOCATIONS):					0		162		0	
TOTALS:					6775		2718		6937.5	15

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 CLIENT: Illinois Professional Design Firm
 DATE PLOTTED: 11/11/2014 10:26:17 AM
 FILE NAME: 090071-sch-08.dgn
 PLOT SCALE: N.T.S.
 PLOT DATE: 11/11/2014



USER NAME = tyelton	DESIGNED - JPA	REVISIONS -
FILE NAME = 090071-sch-08.dgn	DRAWN - SVJ	REVISIONS -
PLOT SCALE = N.T.S.	CHECKED - JLP	REVISIONS -
PLOT DATE = 11/11/2014	DATE - 11/12/14	REVISIONS -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

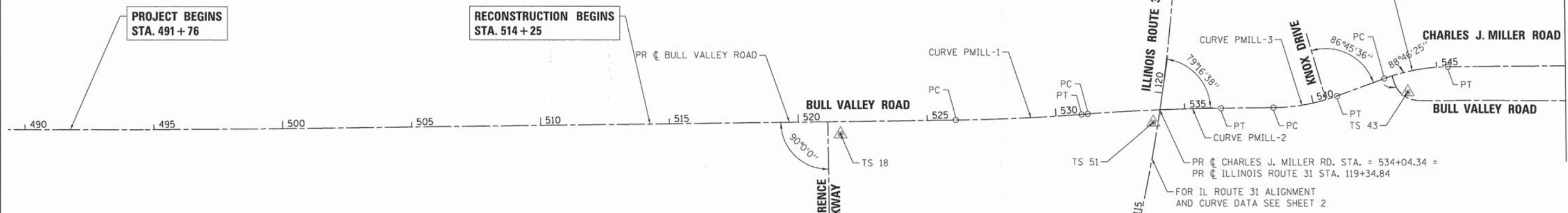
**SCHEDULE OF QUANTITIES
 CHARLES J. MILLER ROAD ROADWAY IMPROVEMENTS**

SCALE: N.T.S. SHEET NO. 8 OF 8 SHEETS STA. TO STA.

F.A.U. RTE. 3860	SECTION 09-00372-01-PW	COUNTY MCHENRY	TOTAL SHEETS 358	SHEET NO. 25
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63892	



MATCH LINE STA 550+00



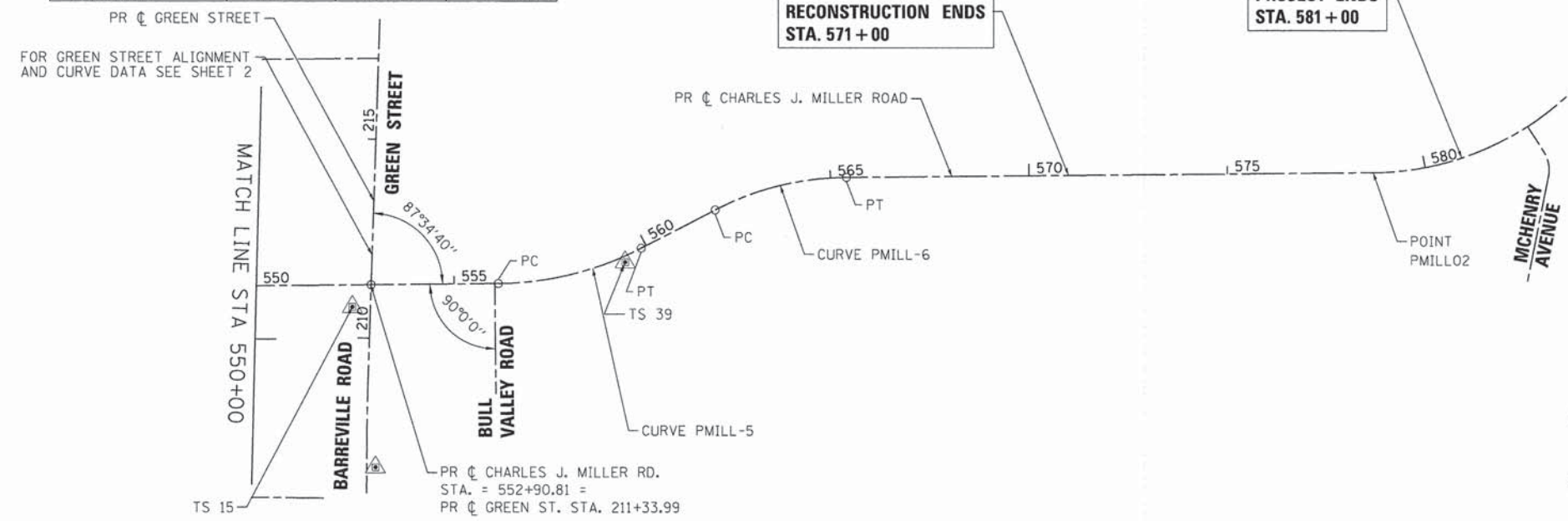
PROJECT BEGINS STA. 491+76

RECONSTRUCTION BEGINS STA. 514+25

PROJECT ENDS STA. 581+00

RECONSTRUCTION ENDS STA. 571+00

DESCRIPTION	STATION	N	E
POINT PMILLO1	500+00.00	2059521.27	996766.81
PC PMILL-1	526+11.22	2059556.12	999377.80
PT PMILL-1	530+99.68	2059577.54	999865.72
PC PMILL-2	531+23.31	2059579.30	999889.28
PT PMILL-2	536+41.67	2059601.06	1000407.09
PC PMILL-3	538+45.23	2059603.02	1000610.64
PT PMILL-3	540+97.11	2059648.13	1000857.20
PC PMILL-4	542+92.11	2059715.41	1001040.22
PT PMILL-4	545+43.99	2059760.52	1001286.78
PC PMILL-5	556+11.47	2059770.78	1002354.21
PT PMILL-5	559+86.05	2059860.35	1002714.41
PC PMILL-6	561+96.05	2059956.92	1002900.89
PT PMILL-6	565+40.21	2060039.21	1003231.84
POINT PMILLO2	578+67.97	2060051.94	1004559.53



FOR GREEN STREET ALIGNMENT AND CURVE DATA SEE SHEET 2

SEE SHEET 23 FOR TRAVERSE STATION (TS) DETAILS

STATION EQUATION	N	E
CHARLES J. MILLER RD. STA. 534+04.34 = ILLINOIS ROUTE 31 STA. 119+34.84	2059595.26	1000169.84
CHARLES J. MILLER RD. STA. 552+90.81 = GREEN STREET STA. 211+33.99	2059767.70	1002033.57

PROP. CURVE PMILL-1 PI STA. = 528+55.53 $\Delta = 3^\circ 29' 54''$ (LT) $D = 0^\circ 42' 58''$ $R = 8,000.00'$ $T = 244.31'$ $L = 488.46'$ $E = 3.73'$ $e = N/A$ $T.R. = N/A$ $S.E. RUN = N/A$ $P.C. STA. = 526+11.22$ $P.T. STA. = 530+99.68$	PROP. CURVE PMILL-2 PI STA. = 533+82.58 $\Delta = 3^\circ 42' 45''$ (RT) $D = 0^\circ 42' 58''$ $R = 8,000.00'$ $T = 259.27'$ $L = 518.36'$ $E = 4.20'$ $e = N/A$ $T.R. = N/A$ $S.E. RUN = N/A$ $P.C. STA. = 531+23.31$ $P.T. STA. = 536+41.67$	PROP. CURVE PMILL-3 PI STA. = 539+72.42 $\Delta = 19^\circ 38' 05''$ (LT) $D = 7^\circ 47' 43''$ $R = 735.00'$ $T = 127.19'$ $L = 251.88'$ $E = 10.92'$ $e = 4.0\%$ $T.R. = 44.33'$ $S.E. RUN = 133.00'$ $P.C. STA. = 538+45.23$ $P.T. STA. = 540+97.11$	PROP. CURVE PMILL-4 PI STA. = 544+19.29 $\Delta = 19^\circ 38' 05''$ (RT) $D = 7^\circ 47' 43''$ $R = 735.00'$ $T = 127.19'$ $L = 251.88'$ $E = 10.92'$ $e = 4.0\%$ $T.R. = 44.33'$ $S.E. RUN = 133.00'$ $P.C. STA. = 542+92.11$ $P.T. STA. = 545+43.99$	PROP. CURVE PMILL-5 PI STA. = 558+02.26 $\Delta = 26^\circ 49' 38''$ (LT) $D = 7^\circ 09' 43''$ $R = 800.00'$ $T = 190.79'$ $L = 374.58'$ $E = 22.44'$ $e = 4.0\%$ $T.R. = 44.33'$ $S.E. RUN = 133.00'$ $P.C. STA. = 556+11.47$ $P.T. STA. = 559+86.05$	PROP. CURVE PMILL-6 PI STA. = 563+71.35 $\Delta = 26^\circ 49' 42''$ (RT) $D = 7^\circ 47' 43''$ $R = 735.00'$ $T = 175.29'$ $L = 344.16'$ $E = 20.61'$ $e = 4.0\%$ $T.R. = 44.33'$ $S.E. RUN = 133.00'$ $P.C. STA. = 561+96.05$ $P.T. STA. = 565+40.21$
---	---	--	--	--	--

- BENCHMARKS**
- BM 1: RAILROAD SPIKE IN THE NORTH FACE OF POWERPOLE AT THE SOUTHWEST CORNER OF CHARLES J. MILLER ROAD AND GREEN STREET (BARREVILLE ROAD.) ELEVATION = 805.79
 - BM 2: RAILROAD SPIKE IN THE WEST FACE OF POWERPOLE AT THE SOUTHWEST CORNER OF ROUTE 31 (FRONT STREET) AND CHARLES J. MILLER ROAD/BULL VALLEY ROAD. ELEVATION = 831.23
 - BM 3: RAILROAD SPIKE IN THE WEST FACE OF POWERPOLE AT THE SOUTHWEST CORNER OF MEDICAL CENTER DRIVE AND ROUTE 31 (FRONT STREET). ELEVATION = 841.09
 - BM 4: NORTHWEST TOP FLANGE BOLT ON FIRE HYDRANT AT THE SOUTHWEST CORNER OF BULL VALLEY ROAD AND LAWRENCE PARKWAY ELEVATION = 800.11



COMPANY NAME: HRGreen
 PROJECT CONTACT: J. J. JELTON
 CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION
 DATE PLOTTED: 11/11/2014 10:26:23 AM
 FILE NAME: 090001-18-01.dgn
 PLOT SCALE: 1" = 200'
 PLOT DATE: 11/11/2014



USER NAME = tjelton	DESIGNED - JPA	REVISED -
FILE NAME = 090001-18-01.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = 1" = 200'	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE - 11/12/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT, TIES AND BENCHMARKS
CHARLES J. MILLER ROAD ROADWAY IMPROVEMENTS**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	26
CONTRACT NO. 63892				
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		

SCALE: 1" = 200' SHEET NO. 1 OF 6 SHEETS STA. TO STA.

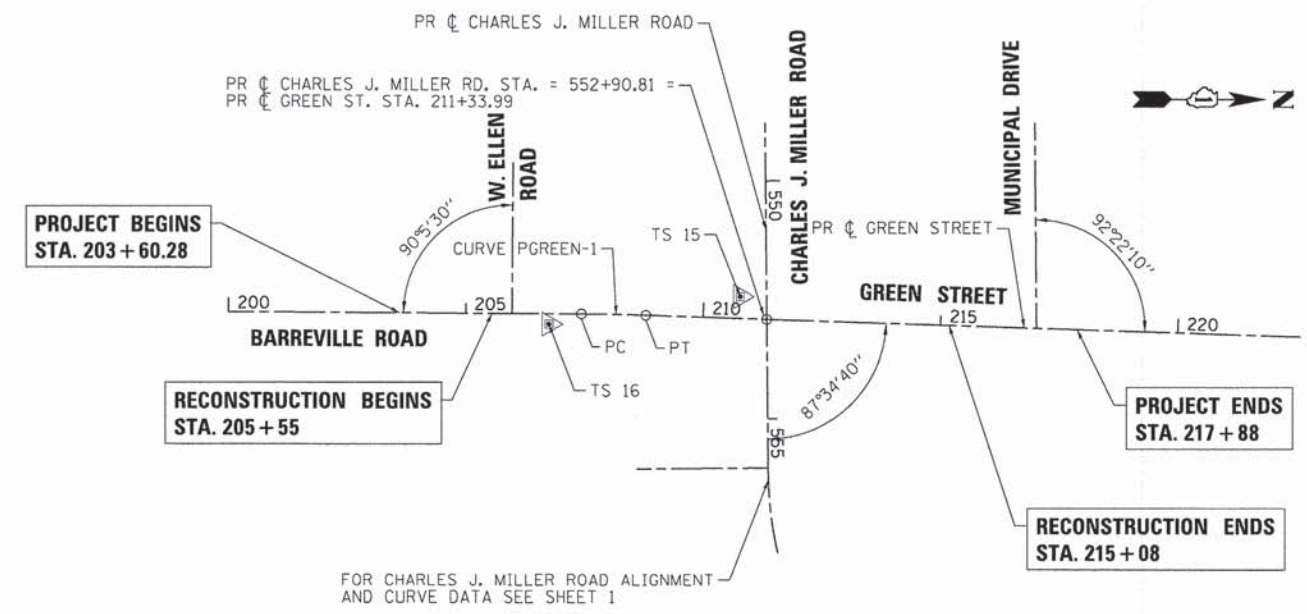
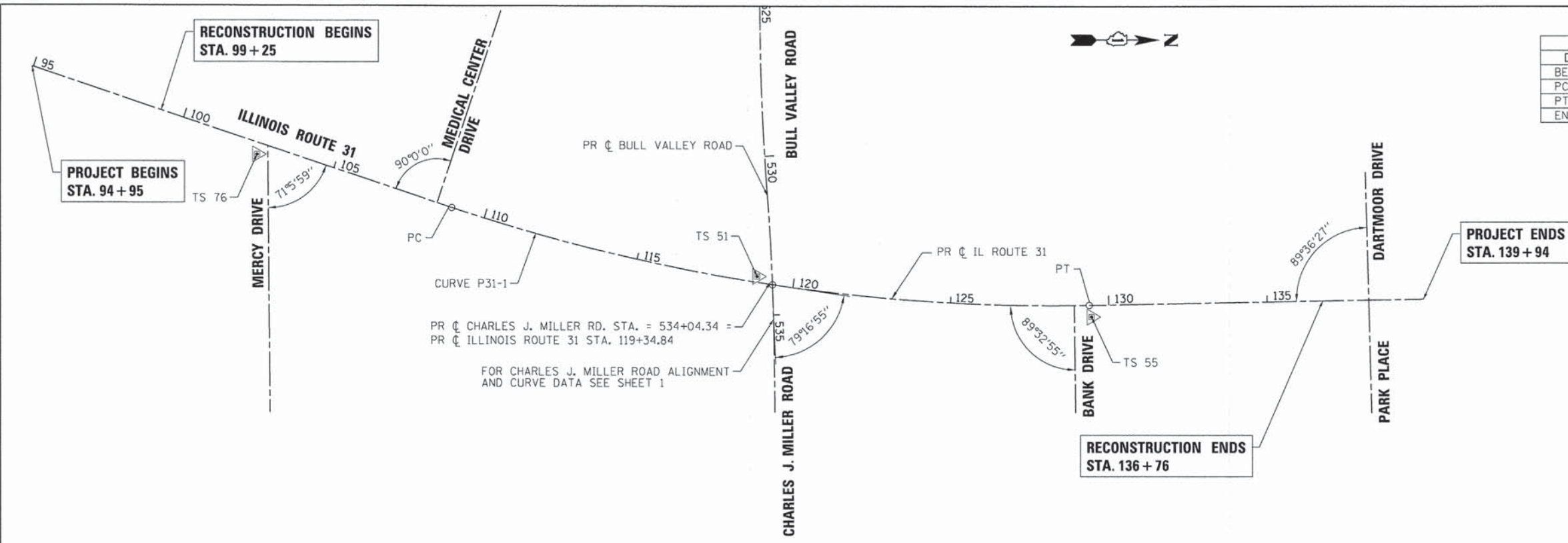
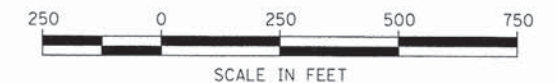
ILLINOIS ROUTE 31 COORDINATE TABLE			
DESCRIPTION	STATION	N	E
BEGIN PROJECT	99+25	2057664.84	999622.05
PC P31-1	108+92.33	2058582.60	999927.75
PT P31-1	129+38.55	2060595.73	1000234.10
END PROJECT	136+76	2061333.04	1000219.89

PROP. CURVE P31-1
 PI STA. = 119+25.47
 $\Delta = 19^\circ 32' 24''$ (LT)
 D = 0° 57' 18"
 R = 6,000.00'
 T = 1,033.14'
 L = 2,046.21'
 E = 88.30'
 e = 2.0%
 T.R. = 72.00'
 S.E. RUN = 72.00'
 P.C. STA. = 108+92.33
 P.T. STA. = 129+38.55

SEE SHEET 23 FOR TRAVERSE STATION (TS) DETAILS

GREEN STREET/BARREVILLE ROAD COORDINATE TABLE			
DESCRIPTION	STATION	N	E
BEGIN PROJECT	205+55	2059188.87	1002021.62
PC PGREEN-1	207+43.49	2059377.36	1002022.66
PT PGREEN-1	208+79.28	2059513.12	1002025.25
END PROJECT	215+08	2060141.51	1002045.78

PROP. CURVE PGREEN-1
 PI STA. = 208+11.39
 $\Delta = 1^\circ 33' 22''$ (RT)
 D = 1° 08' 45"
 R = 5,000.00'
 T = 67.90'
 L = 135.79'
 E = 0.46'
 e = N/A
 T.R. = N/A
 S.E. RUN = N/A
 P.C. STA. = 207+43.49
 P.T. STA. = 208+79.28



COMPANY NAME: HRGreen.com
 PROJECT CONTACT: tyelton
 CLIENT: HRGreen.com
 DATE PLOTTED: 11/21/2014 10:24:29 AM
 FILE NAME: 898071-11a-02.dgn
 PLOT SCALE: 1" = 200'
 PLOT DATE: 11/11/2014

HRGreen.com
 Illinois Professional Design Firm
 #184-001322

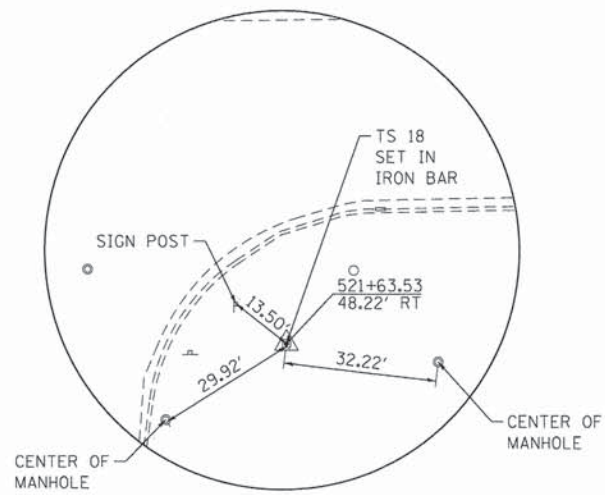
USER NAME = tyelton	DESIGNED - JPA	REVISED 1 - 10/30/2012
FILE NAME = 898071-11a-02.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = 1" = 200'	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE - 11/12/14	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

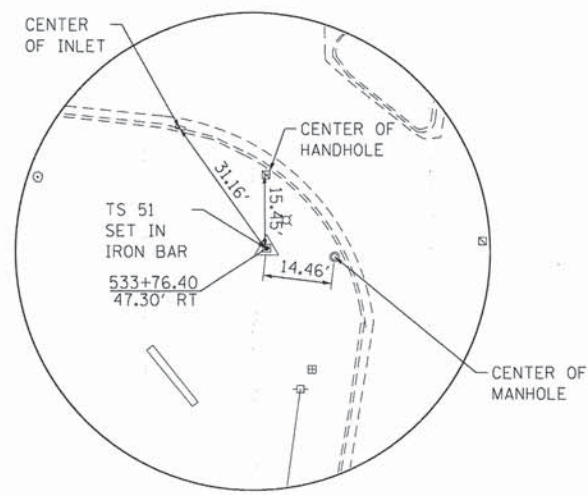
**ALIGNMENT, TIES AND BENCHMARKS
 CHARLES J. MILLER ROAD ROADWAY IMPROVEMENTS**

SCALE: 1" = 200' SHEET NO. 2 OF 6 SHEETS STA. TO STA.

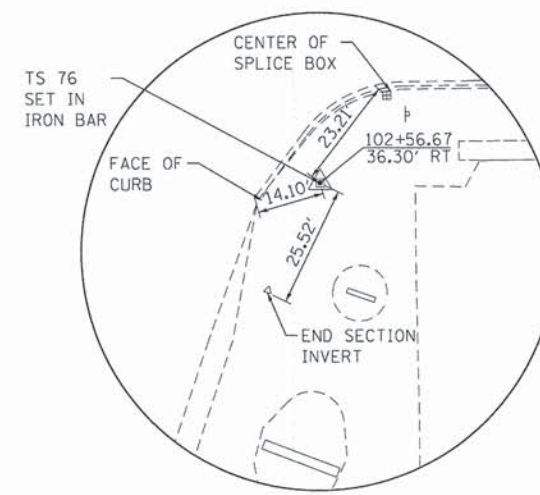
F.A.U. RTE. 3860	SECTION 09-00372-01-PW	COUNTY MCHENRY	TOTAL SHEETS 358	SHEET NO. 27
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63892	



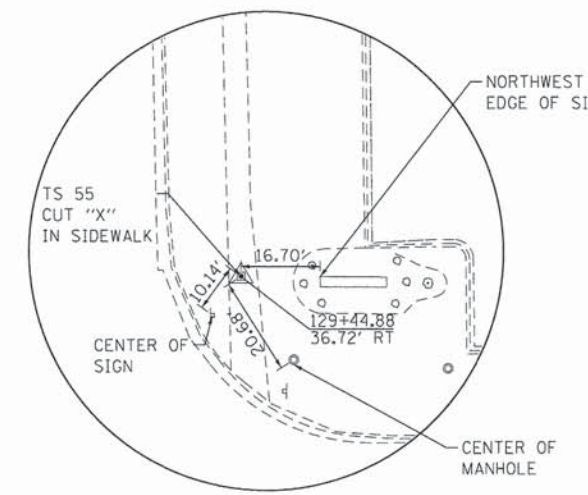
TRAVERSE STATION #18
N 2059501.93
E 998930.80



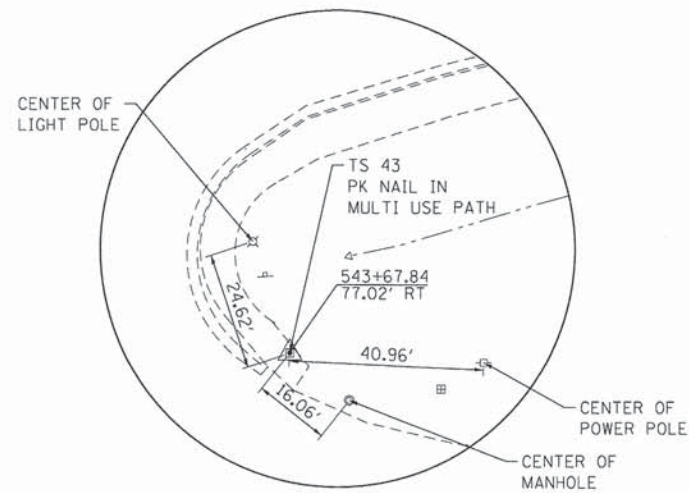
TRAVERSE STATION #51
N 2059546.86
E 1000143.95



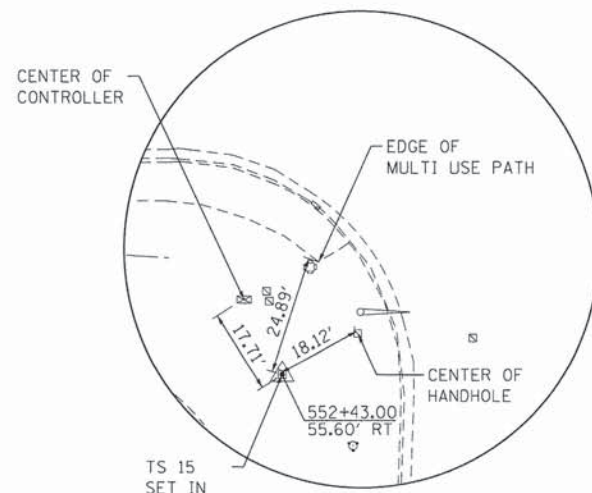
TRAVERSE STATION #76
N 2057968.03
E 999761.30



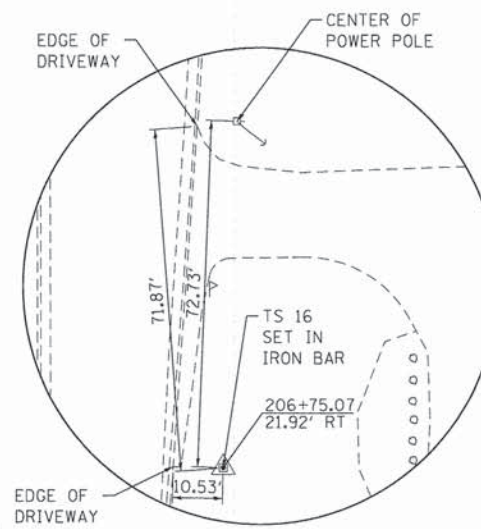
TRAVERSE STATION #55
N 2060602.78
E 1000270.68



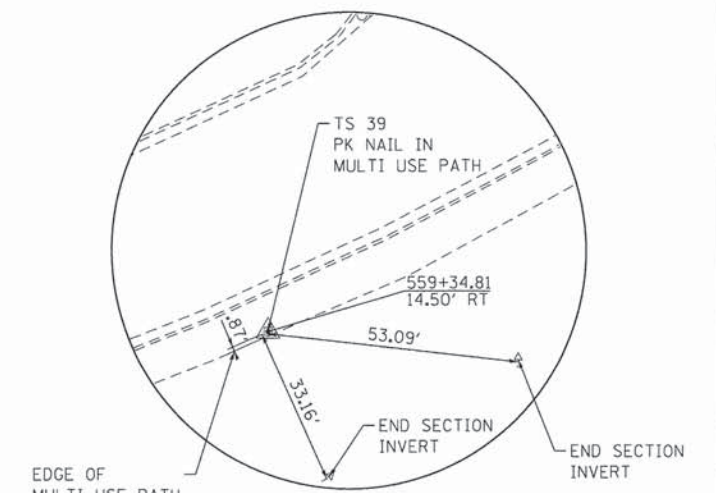
TRAVERSE STATION #43
N 2059663.20
E 1001131.52



TRAVERSE STATION #15
N 2059711.64
E 1001986.29



TRAVERSE STATION #16
N 2059308.82
E 1002044.20



TRAVERSE STATION #39
N 2059824.98
E 1002674.01

COMPANY NAME: HRGreen
PROJECT CONTACT: HRGreen.com
CLIENT: Illinois Professional Design Firm
DATE PLOTTED: 11/11/2014 10:26:39 AM
PLOT DRIVER: 090071-110-03.dgn
PLOT DATE: 11/11/2014
PEN TABLE: Standard-Trans.tbl



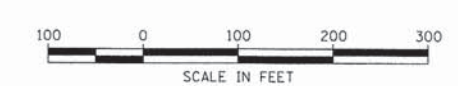
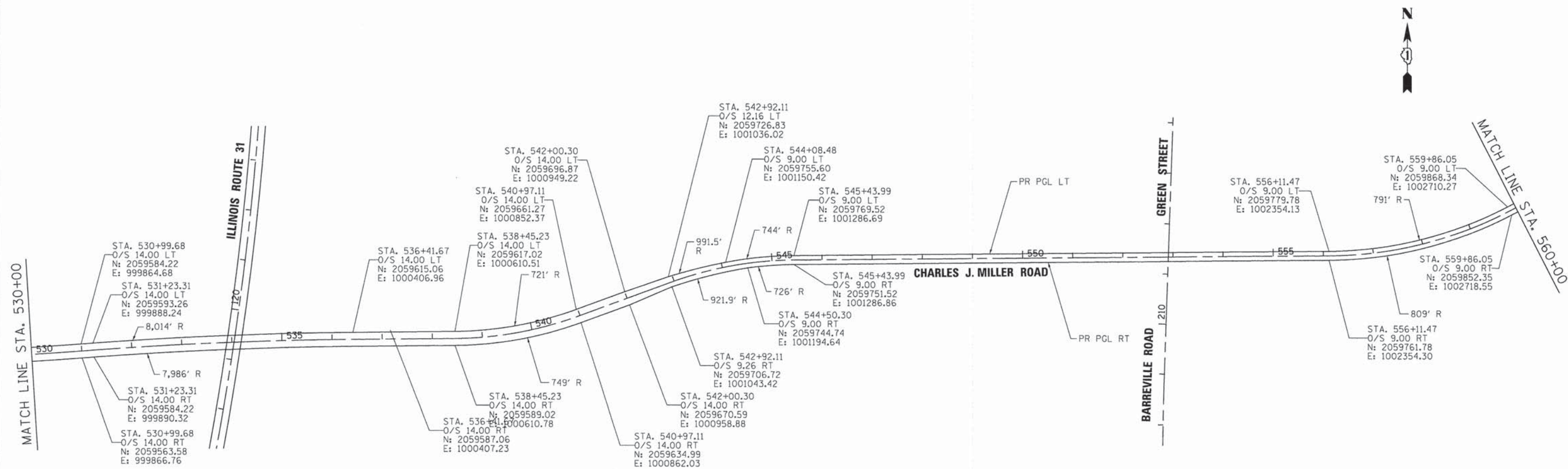
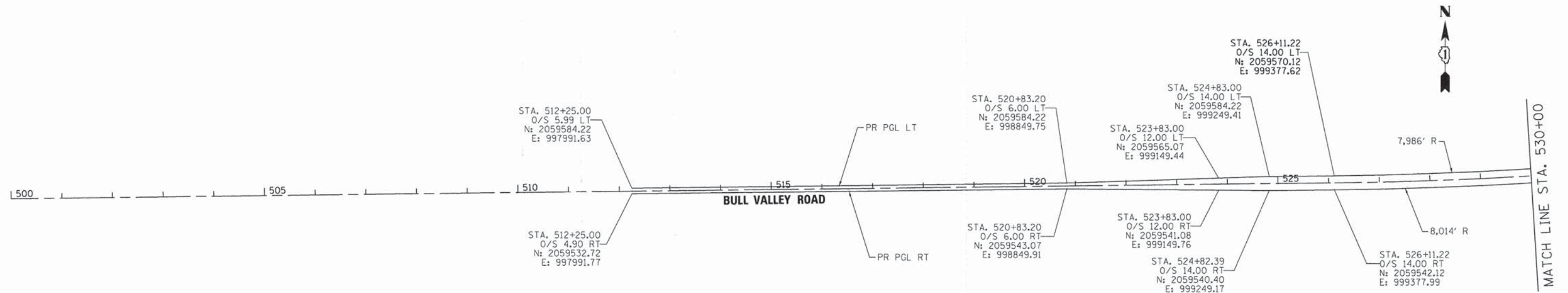
USER NAME = tyelton	DESIGNED - JPA	REVISED -
FILE NAME = 090071-110-03.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = N.T.S.	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE - 11/12/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS
CHARLES J. MILLER ROAD ROADWAY IMPROVEMENTS

SCALE: N.T.S. SHEET NO. 3 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	28
FED. ROAD DIST. NO.			CONTRACT NO. 63892	
ILLINOIS			FED. AID PROJECT	



COMPANY NAME: HRGreen
 PROJECT CONTACT: J. J. J. J.
 DATE PLOTTED: 11/11/2014 10:24:45 AM
 FILE NAME: 090071-11e-04.dgn
 PLOT DRIVER: pefplot
 PEN TABLE: standard-trans.tbl



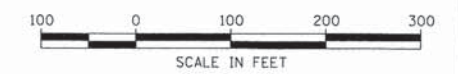
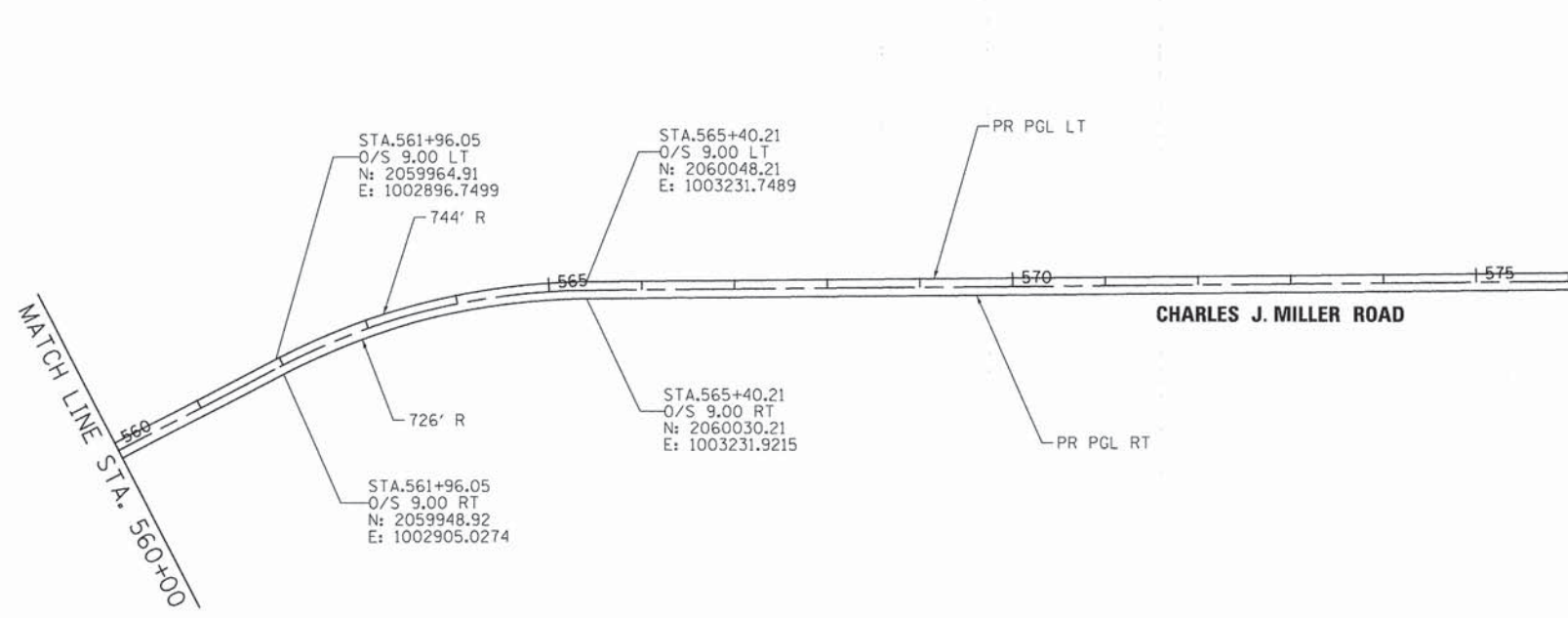
USER NAME = tjelton	DESIGNED - JPA	REVISED -
FILE NAME = 090071-11e-04.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = 1" = 100'	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE - 11/12/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS
CHARLES J. MILLER ROAD ROADWAY IMPROVEMENTS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	29
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63892	

SCALE: 1" = 100' SHEET NO. 4 OF 6 SHEETS STA. TO STA.



COMPANY NAME: HRGreen
 PROJECT CONTACT: J. J. J. J.
 CLIENT: STATE OF ILLINOIS
 FILE NAME: 090071-11e-05.dgn
 PLOT DATE: 11/12/14
 PLOT SCALE: 1" = 100'
 PLOT ORIGIN: 0,0
 PEN TABLE: standard-frans.tbl



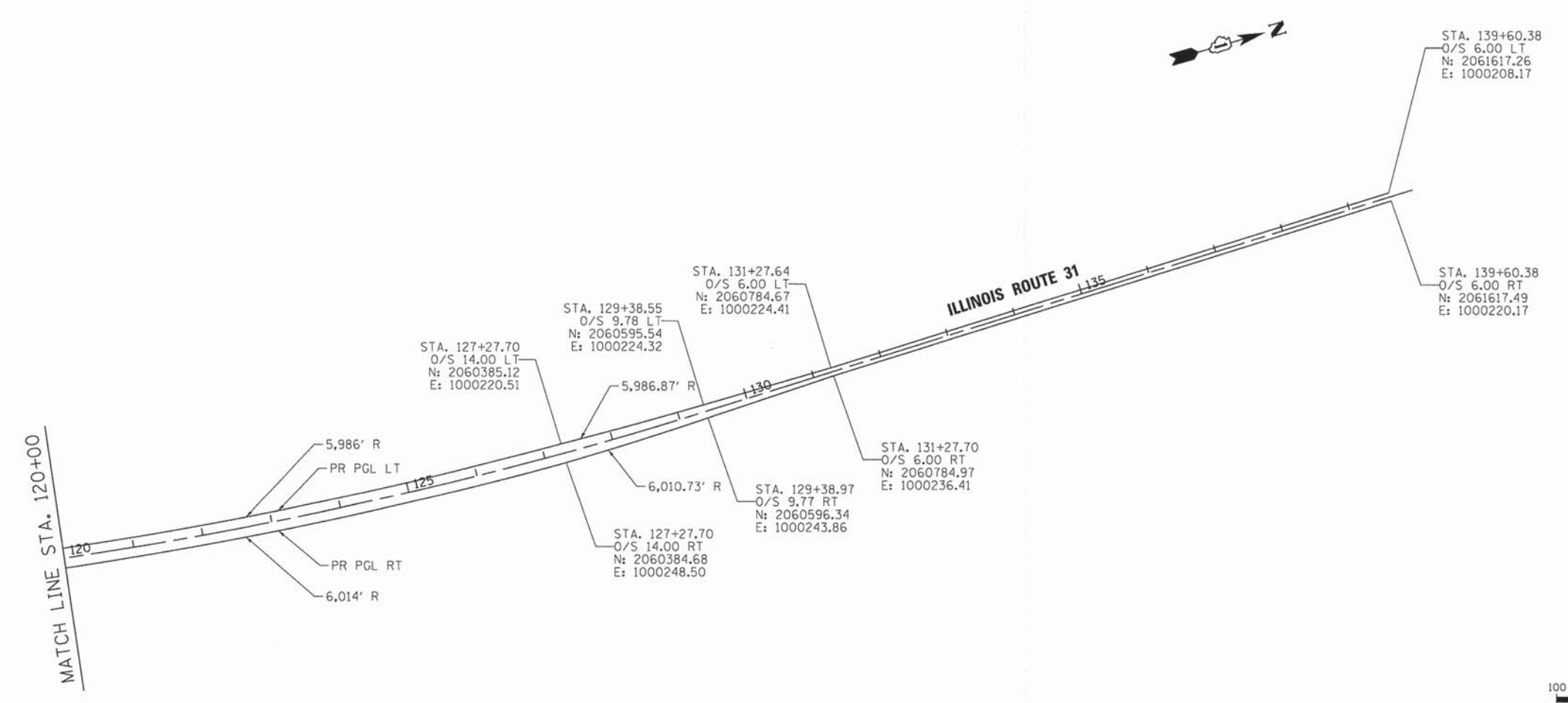
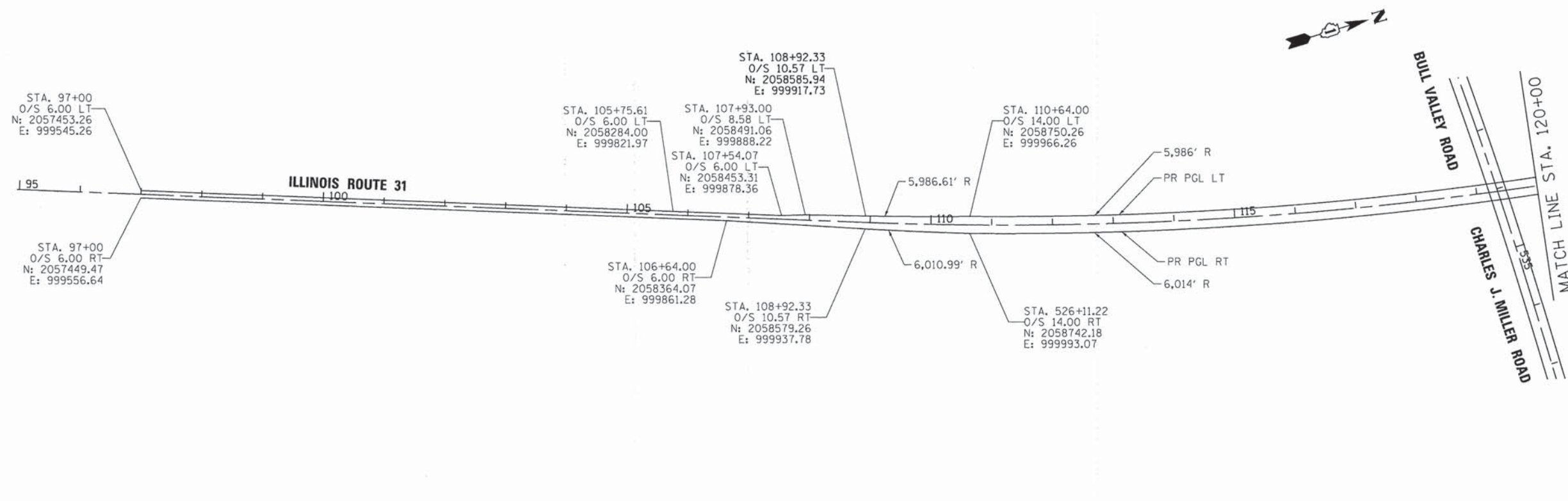
USER NAME = tyejson	DESIGNED - JPA	REVISED -
FILE NAME = 090071-11e-05.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = 1" = 100'	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE - 11/12/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS
CHARLES J. MILLER ROAD ROADWAY IMPROVEMENTS

SCALE: 1" = 100' SHEET NO. 5 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	30
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63892	



COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 CLIENT: Illinois Professional Design Firm
 DATE PLOTTED: 11/11/2014 10:24:56 AM
 PLOT SCALE: 1" = 100'
 PLOT DIME: 11x17
 PEN TABLE: Standard-Trans.tbl

HRGreen
 HRGreen.com
 Illinois Professional Design Firm
 # 184-001322

USER NAME = tyeilton	DESIGNED - JPA	REVISED -
FILE NAME = 0902071-110-06.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = 1" = 100'	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE - 11/12/14	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT, TIES AND BENCHMARKS
 CHARLES J. MILLER ROAD ROADWAY IMPROVEMENTS**

SCALE: 1" = 100' SHEET NO. 6 OF 6 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	31
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63892	



SUPERELEVATION TABLES

SUPERELEVATION TRANSITIONS AT CURVE PMILL-3						
LT EOP	PGL ELEV.	X-SLOPE	PR C STATION	X-SLOPE	PGL ELEV.	RT EOP
824.73	825.61	-2.00% (NC)	537+11.23	-2.00% (NC)	825.61	825.17
823.56	824.21	-2.00% (NC)	537+56.23	0.00% (ZG)	824.21	824.21
822.44	823.05	-2.00% (NC)	538+00.56	2.00% (RC)	823.05	823.49
821.37	822.12	-2.67% (SE)	538+45.23 (PC)	2.67% (SE)	822.12	822.71
820.36	821.4	-4.00% (SE)	538+90.23	4.00% (SE)	821.4	822.28
817.37	818.25	-4.00% (SE)	540+52.11	4.00% (SE)	818.25	819.13
816.40	816.99	-2.67% (SE)	540+97.11 (PT)	2.67% (SE)	816.99	817.58
815.15	815.59	-2.00% (NC)	541+41.78	2.00% (RC)	815.59	816.03
813.72	814.16	-2.00% (NC)	541+86.11	0.00% (ZG)	814.16	814.16
812.26	812.7	-2.00% (NC)	542+31.11	-2.00% (NC)	812.7	812.26

SUPERELEVATION TRANSITIONS AT CURVE PMILL-4						
LT EOP	PGL ELEV.	X-SLOPE	PR C STATION	X-SLOPE	PGL ELEV.	RT EOP
814.82	815.26	-2.00% (NC)	541+58.11	-2.00% (NC)	815.26	814.82
813.60	813.60	0.00% (ZG)	542+03.11	-2.00% (NC)	813.60	813.16
812.61	812.17	2.00% (RC)	542+47.44	-2.00% (NC)	812.17	811.73
811.31	810.72	2.67% (SE)	542+92.11 (PC)	-2.67% (SE)	810.72	810.13
810.16	809.28	4.00% (SE)	543+37.11	-4.00% (SE)	809.28	808.40
808.43	807.55	4.00% (SE)	544+98.99	-4.00% (SE)	807.55	806.67
805.50	804.91	2.67% (SE)	545+43.99 (PT)	-2.67% (SE)	804.91	804.32
804.93	804.49	2.00% (RC)	545+88.66	-2.00% (NC)	804.49	804.05
804.26	804.26	0.00% (ZG)	546+32.99	-2.00% (NC)	804.26	803.82
803.78	804.22	-2.00% (NC)	546+77.99	-2.00% (NC)	804.22	803.78

SUPERELEVATION TRANSITIONS AT CURVE PMILL-5						
LT EOP	PGL ELEV.	X-SLOPE	PR C STATION	X-SLOPE	PGL ELEV.	RT EOP
796.56	797.22	-2.00% (NC)	554+77.47	-2.00% (NC)	797.22	796.78
795.64	796.30	-2.00% (NC)	555+22.47	0.00% (ZG)	796.30	796.30
794.59	795.25	-2.00% (NC)	555+66.80	2.00% (RC)	795.25	795.69
793.22	794.05	-2.67% (SE)	556+11.47 (PC)	2.67% (SE)	794.05	794.64
791.56	792.72	-4.00% (SE)	556+56.47	4.00% (SE)	792.72	793.60
784.68	785.56	-4.00% (SE)	559+41.05	4.00% (SE)	785.56	786.44
784.46	785.05	-2.67% (SE)	559+86.05 (PT)	2.67% (SE)	785.05	785.64
784.32	784.76	-2.00% (NC)	560+30.72	2.00% (RC)	784.76	785.20
784.23	784.67	-2.00% (NC)	560+75.05	0.00% (ZG)	784.67	784.67
784.34	784.78	-2.00% (NC)	561+20.05	-2.00% (NC)	784.78	784.34

PROJECTED ELEVATION AT PROPOSED INTERSECTION

SUPERELEVATION TRANSITIONS AT CURVE PMILL-6						
LT EOP	PGL ELEV.	X-SLOPE	PR C STATION	X-SLOPE	PGL ELEV.	RT EOP
784.23	784.67	-2.00% (NC)	560+62.05	-2.00% (NC)	784.67	784.23
784.73	784.73	0.00% (ZG)	561+07.05	-2.00% (NC)	784.73	784.29
785.42	784.98	2.00% (RC)	561+51.38	-2.00% (NC)	784.98	784.54
786.03	785.44	2.67% (SE)	561+96.05 (PC)	-2.67% (SE)	785.44	784.85
787.00	786.12	4.00% (SE)	562+41.05	-4.00% (SE)	786.12	785.24
790.27	789.39	4.00% (SE)	564+95.21	-4.00% (SE)	789.39	788.51
789.81	789.22	2.67% (SE)	565+40.21 (PT)	-2.67% (SE)	789.22	788.63
789.27	788.83	2.00% (RC)	565+84.88	-2.00% (NC)	788.83	788.39
788.20	788.20	0.00% (ZG)	566+29.21	-2.00% (NC)	788.20	787.76
786.66	787.32	-2.00% (NC)	566+74.21	-2.00% (NC)	787.32	786.88

PROJECTED ELEVATION AT PROPOSED INTERSECTION

SUPERELEVATION TRANSITIONS AT CURVE P31-1						
LT EOP	PGL ELEV.	X-SLOPE	PR C STATION	X-SLOPE	PGL ELEV.	RT EOP
839.81	840.33	-2.00% (NC)	107+72.33	-2.00% (NC)	840.33	839.81
839.37	839.89	-2.00% (NC)	108+44.33	0.00% (ZG)	839.89	839.89
838.76	839.28	-2.00% (NC)	109+68.33	2.00% (RC)	839.28	839.80
838.96	839.48	-2.00% (SE)	108+92.33 (PC)	2.00% (SE)	839.48	840.00
819.83	820.56	-2.00% (SE)	129+14.55	2.00% (SE)	820.56	821.27
819.36	820.08	-2.00% (SE)	129+38.55	2.00% (SE)	820.08	820.79
819.83	820.56	-2.00% (NC)	129+86.55 (PT)	2.00% (RC)	820.56	821.27
816.43	817.09	-2.00% (NC)	130+58.55	-2.00% (NC)	817.09	816.43

PROJECTED ELEVATION AT PROPOSED INTERSECTION

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 CLIENT: Illinois Professional Design Firm
 DATE PLOTTED: 11/11/2014 10:25:00 AM
 FILE NAME: 090071-Hr-07.dgn
 PLOT DRIVER: pdf.plt
 PEN TABLE: s fender-trans.tbl

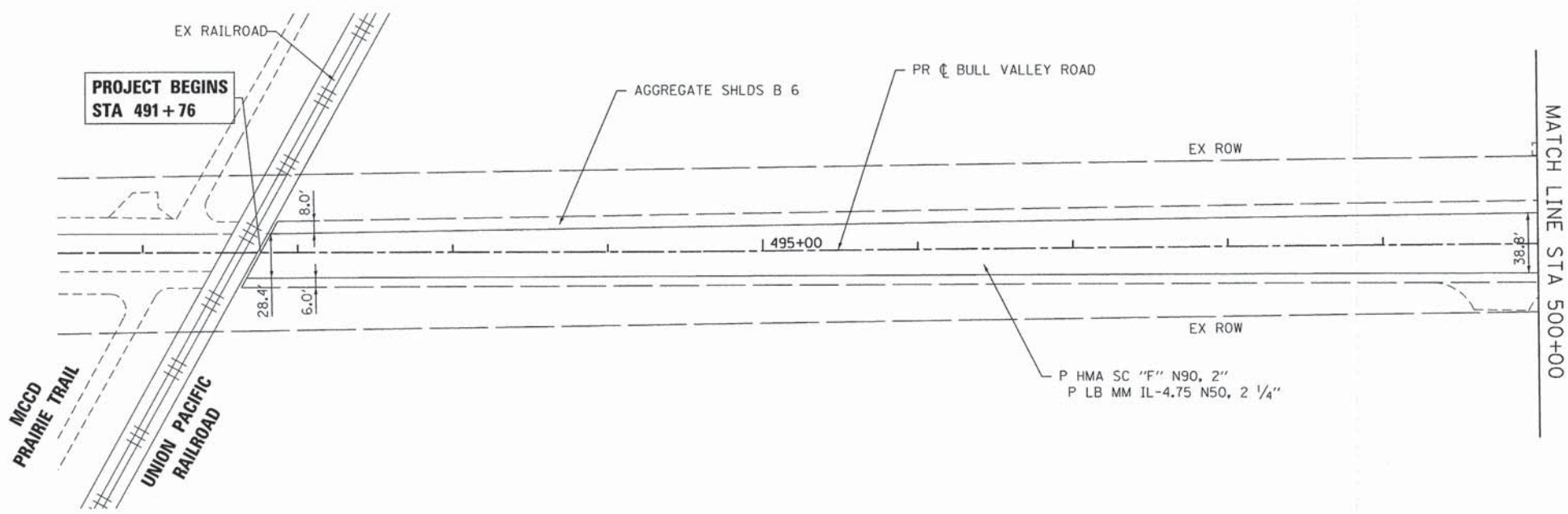
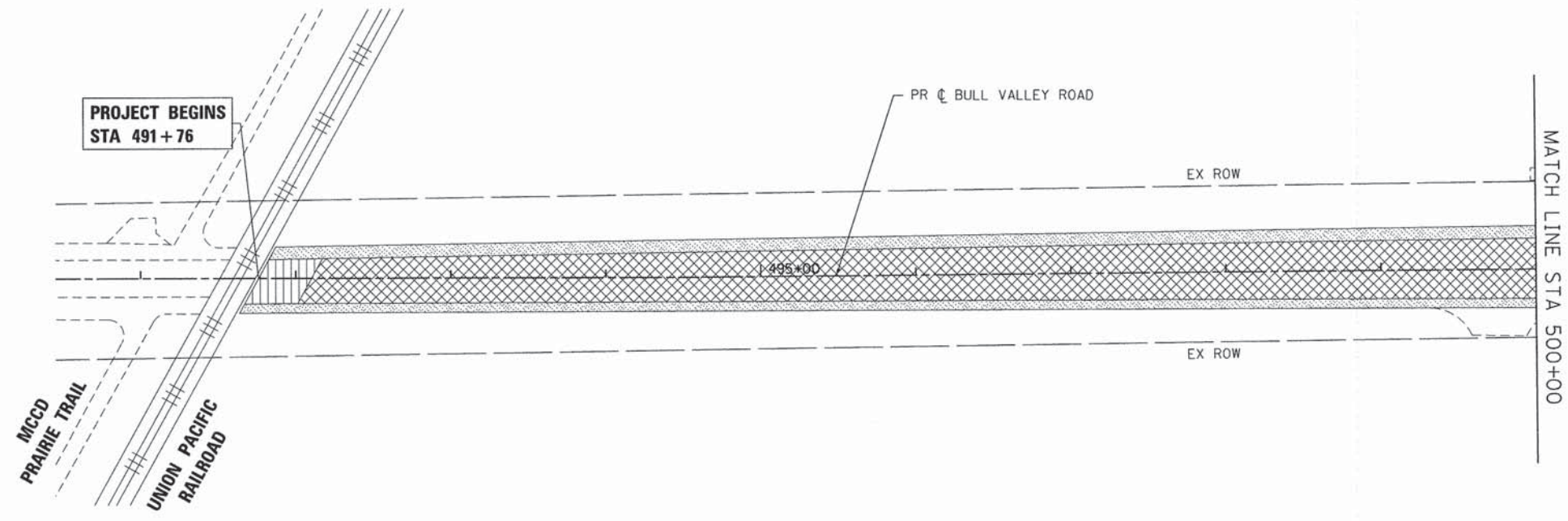


USER NAME = tjmlton	DESIGNED = JPA	REVISED =
FILE NAME = 090071-tje-07.dgn	DRAWN = SVJ	REVISED =
PLOT SCALE = N.T.S.	CHECKED = JLP	REVISED =
PLOT DATE = 11/11/2014	DATE = 11/12/14	REVISED =

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUPERELEVATION TABLES
 CHARLES J. MILLER ROAD ROADWAY IMPROVEMENTS
 SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	32
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63892	



LEGEND:

- PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL, 4 1/4"
- HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- AGGREGATE SHOULDER REMOVAL (PAID FOR AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL)
- COMBINATION CURB & GUTTER REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 CLIENT: HRGreen.com
 DATE PLOTTED: 12/23/2014 5:03:40 PM
 FILE NAME: 090071-ppp2-01.dgn
 PLOT DATE: 12/3/2014
 PLOT SCALE: 1" = 50'
 PEN TABLE:



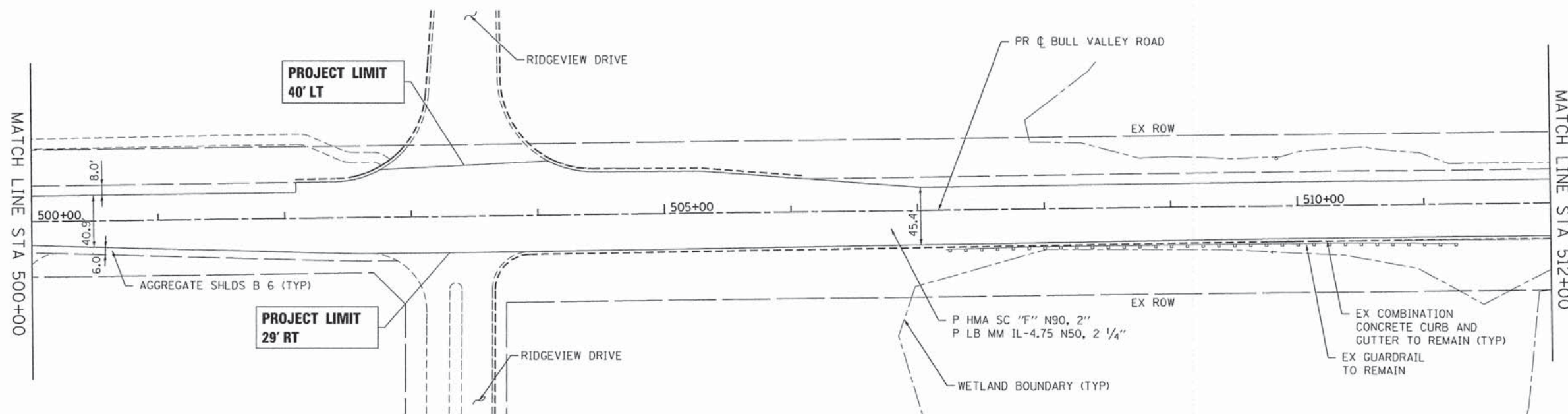
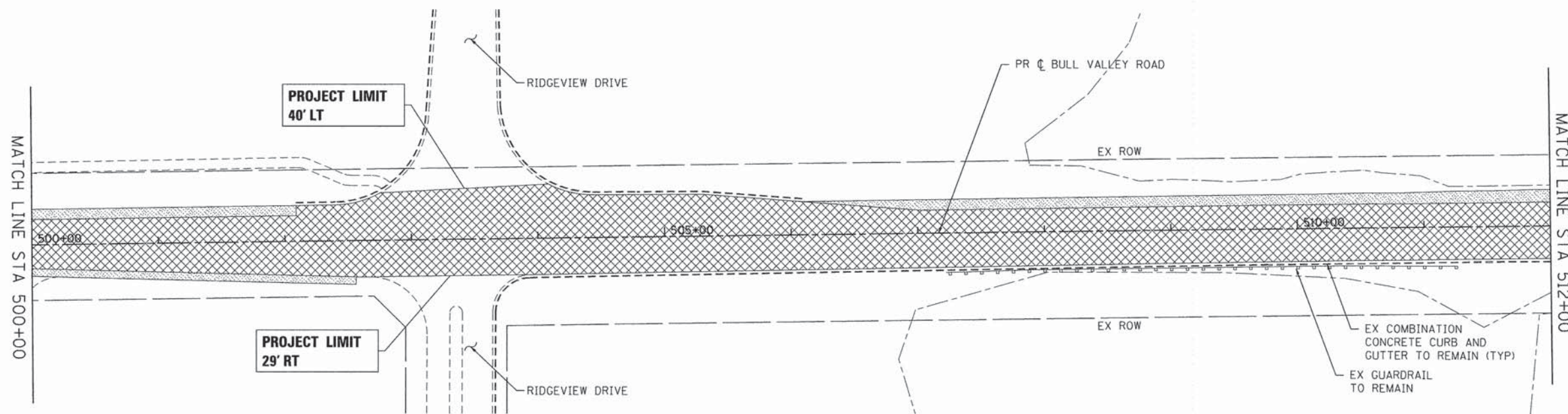
USER NAME = tye1ton	DESIGNED - JPA	REVISED -
FILE NAME = 090071-ppp2-01.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - JLP	REVISED -
PLOT DATE = 12/3/2014	DATE - 12/5/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN AND PROFILE
BULL VALLEY ROAD**

SCALE: 1" = 50' SHEET NO. 1 OF 11 SHEETS STA. 491+76 TO STA. 500+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	33
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63892	



LEGEND:

	PAVEMENT REMOVAL
	PAVED SHOULDER REMOVAL
	HOT-MIX ASPHALT SURFACE REMOVAL, 4 1/4"
	HOT-MIX ASPHALT SURFACE REMOVAL, 2"
	AGGREGATE SHOULDER REMOVAL (PAID FOR AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL)
	COMBINATION CURB & GUTTER REMOVAL
	DRIVEWAY PAVEMENT REMOVAL
	SIDEWALK REMOVAL
	HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: #184-001322
 CLIENT: #184-001322
 DATE PLOTTED: 12/31/2014 5:03:50 PM
 FILE NAME: 090071-pnp2-02.dgn
 PLOT DRIVER: pdf.plt
 PEN TABLE: standard-trans.tbl



USER NAME = tjelton	DESIGNED - JPA	REVISED -
FILE NAME = 090071-pnp2-02.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - JLP	REVISED -
PLOT DATE = 12/3/2014	DATE - 12/5/14	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

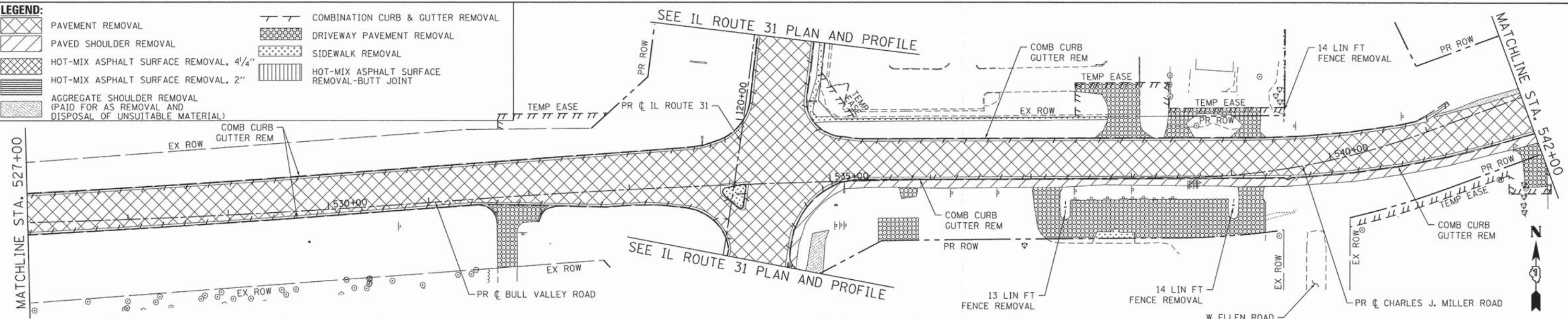
**ROADWAY PLAN AND PROFILE
 BULL VALLEY ROAD**

SCALE: 1" = 50' SHEET NO. 2 OF 11 SHEETS STA. 500+00 TO STA. 512+00

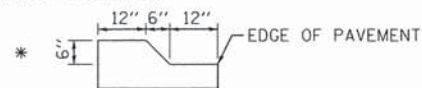
F.A.U. RTE. 3860	SECTION 09-00372-01-PW	COUNTY MCHENRY	TOTAL SHEETS 358	SHEET NO. 34
CONTRACT NO. 63892			ILLINOIS FED. AID PROJECT	

LEGEND:

	PAVEMENT REMOVAL		COMBINATION CURB & GUTTER REMOVAL
	PAVED SHOULDER REMOVAL		DRIVEWAY PAVEMENT REMOVAL
	HOT-MIX ASPHALT SURFACE REMOVAL, 4 1/4"		SIDEWALK REMOVAL
	HOT-MIX ASPHALT SURFACE REMOVAL, 2"		HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT
	AGGREGATE SHOULDER REMOVAL (PAID FOR AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL)		

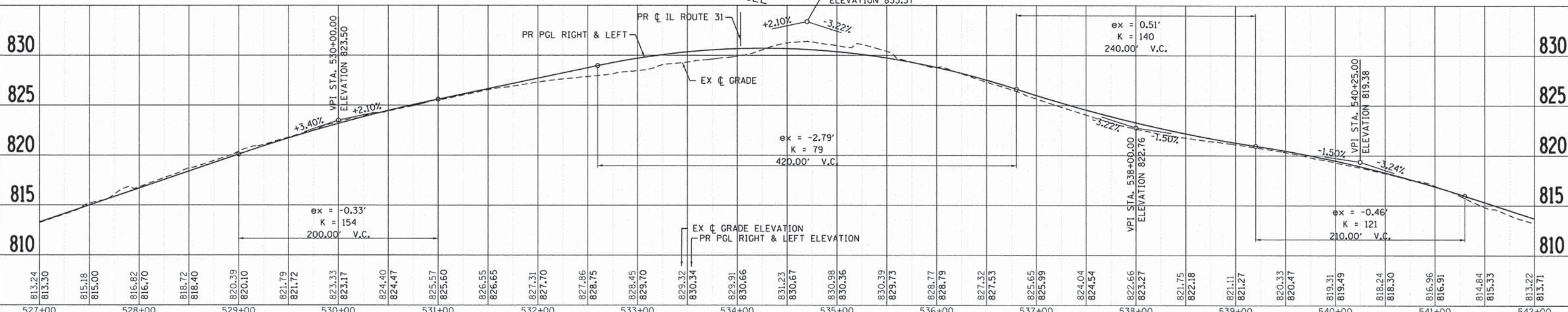
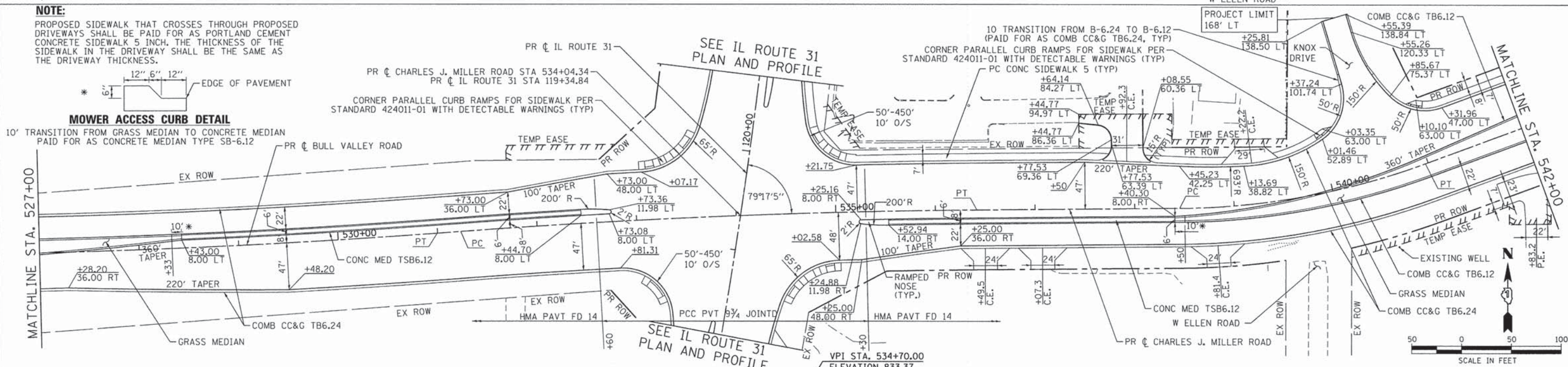


NOTE:
 PROPOSED SIDEWALK THAT CROSSES THROUGH PROPOSED DRIVEWAYS SHALL BE PAID FOR AS PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH. THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY SHALL BE THE SAME AS THE DRIVEWAY THICKNESS.



MOWER ACCESS CURB DETAIL

10' TRANSITION FROM GRASS MEDIAN TO CONCRETE MEDIAN PAID FOR AS CONCRETE MEDIAN TYPE SB-6.12

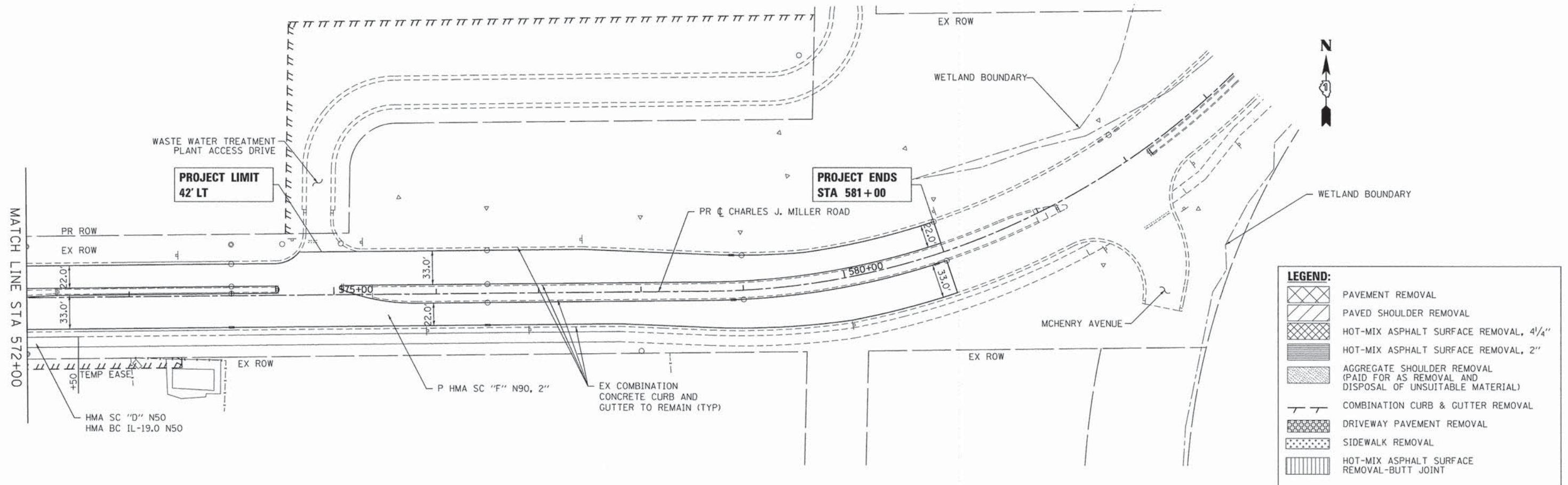
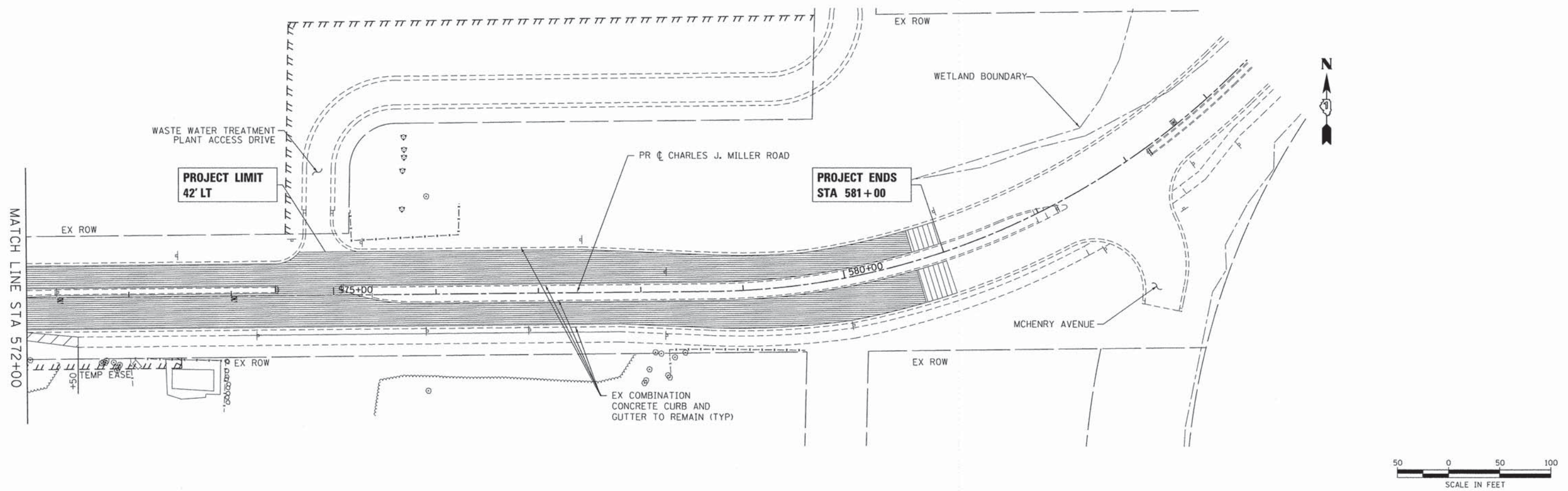


DATE	BY
SURVEYED	PLOTTED
CHECKED	FILED
NO.	NO.

DATE	BY
SURVEYED	PLOTTED
CHECKED	FILED
NO.	NO.

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: J. J. J. J.
 DATE PLOTTED: 12/3/2014 5:06:12 PM
 FILE NAME: 090071-003-02.dgn
 PLOT DRIVER: pdt401
 PEN TABLE: standard-trims.tbl

 HRGreen.com Illinois Professional Design Firm # 184-011322	USER NAME = tyelton DESIGNED - JPA DRAWN - SVJ CHECKED - JLP PLOT DATE = 12/3/2014	REVISIONS REVISIONS REVISIONS REVISIONS	DATE = 12/5/14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN AND PROFILE BULL VALLEY/CHARLES J. MILLER ROAD	F.A.U. 3860 SECTION 09-00372-01-PW COUNTY MCHENRY TOTAL SHEETS 358 SHEET NO. 36 CONTRACT NO. 63892 ILLINOIS FED. AID PROJECT
--	--	--	----------------	---	--	--



COMPANY NAME: HRGreen.com
 PROJECT CONTACT: #194-001322
 DATE PLOTTED: 12/4/2014 9:58:21 AM
 FILE NAME: 090071-pnp3-05.dgn
 PLOT DRIVER: pdfPlot
 PEN TABLE: standard-trans.tbl



USER NAME = tjelton	DESIGNED - JPA	REVISED -
FILE NAME = 090071-pnp3-05.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - JLP	REVISED -
PLOT DATE = 12/4/2014	DATE - 12/5/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN AND PROFILE
CHARLES J. MILLER ROAD

SCALE: 1" = 50' | SHEET NO. 7 OF 11 SHEETS | STA. 572+00 TO STA. 581+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	39
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63892	

GENERAL NOTES

1. THE TRAFFIC CONTROL PLANS SHALL SERVE AS A GUIDE FOR SAFE DIVERSION OF TRAFFIC DURING EXECUTION OF THIS CONTRACT. HOWEVER, THE CONTRACTOR MAY MODIFY THE TRAFFIC CONTROL PLANS TO MEET CONSTRUCTION NEEDS BUT NOT AT THE EXPENSE OF PUBLIC SAFETY OR CONVENIENCE. ANY CHANGES TO THE TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO THE ENGINEER AND THE COUNTY FOR APPROVAL, AND TO THE STATE FOR APPROVAL ON IL 31
2. THE RESIDENT ENGINEER SHALL BE INFORMED 72 HOURS IN ADVANCE OF ANY CHANGE TO THE STAGING PLANS.
3. THE CONTRACTOR SHALL CONTACT THE IDOT TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
4. CONTRACTOR SHALL MAINTAIN A MINIMUM OF ONE THROUGH LANE IN EACH DIRECTION THROUGHOUT THE PROJECT AREA AT ALL TIMES.
5. TRAFFIC CONDITIONS, ACCIDENTS, AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY, OR REMOVE LANE CLOSURES OR CHANNELIZATION SHOWN IN THE PLANS. THE CONTRACTOR SHALL MAKE THE NECESSARY ADJUSTMENTS AS DIRECTED BY THE ENGINEER WITHOUT DELAY. THE CONTRACTOR SHALL RESPOND TO ANY REQUEST MADE BY THE ENGINEER FOR CORRECTION WITHIN TWO HOURS FROM THE TIME OF NOTIFICATION.
6. ALL OF THE TRAFFIC CONTROL DEVICES SHALL BE IN PLACE BEFORE CONSTRUCTION IS STARTED. ALL TEMPORARY PAVEMENT MARKINGS & TRAFFIC CONTROL DEVICES SHALL BE IN PLACE AT THE BEGINNING OF EACH STAGE, AND SHALL BE MAINTAINED FOR THE DURATION OF THAT STAGE UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
7. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN ACCESS TO ENTRANCES AND APPROACHES AS INDICATED ON THE PLANS WITHIN THE PROJECT LIMITS. THIS WORK IS TO BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR TEMPORARY ACCESS (PRIVATE ENTRANCE), OR TEMPORARY ACCESS (COMMERCIAL ENTRANCE), OR TEMPORARY ACCESS (ROAD).
8. A WORK ZONE SPEED LIMIT OF 45 MPH ON BULL VALLEY/CHARLES J. MILLER ROAD AND ILLINOIS ROUTE 31, AND 30 MPH ON GREEN STREET/BARREVILLE ROAD, OR AS DIRECTED BY THE ENGINEER SHALL BE IN PLACE JUST PRIOR TO PRE-STAGE CONSTRUCTION.

SIGNS

1. TRAFFIC CONTROL DEPICTED ON THE MAINTENANCE OF TRAFFIC PLANS IS THE MINIMUM REQUIREMENT. OTHER WORK OR SIGNING MAY BE REQUIRED BY THE ENGINEER.
2. ALL EXISTING SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL PLAN SHALL BE COVERED OR REMOVED IN ACCORDANCE WITH ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS.
3. THE CONTRACTOR SHALL PROVIDE, INSTALL, MAINTAIN AND REMOVE ALL SIGNS AND SIGN SUPPORTS REQUIRED FOR TRAFFIC CONTROL AND PROTECTION. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT LUMP SUM PRICES PER THE TRAFFIC CONTROL AND PROTECTION STANDARDS.
4. THE CONTRACTOR SHALL PLACE "CAUTION NEW LANES OPEN" SIGNS AT EVERY ENTRANCE AND SIDE ROADS AT THE TIME OF OPENING NEW LANES TO TRAFFIC AND/OR AS DIRECTED BY THE ENGINEER. SEE TEMPORARY INFORMATION SIGN DETAIL FOR FURTHER INFORMATION.
5. THE CONTRACTOR SHALL PLACE "DRIVEWAY ENTRANCE" SIGNS AT ALL COMMERCIAL ENTRANCES WITHIN THE PROJECT LIMITS WHERE ENTRANCE IS OBSTRUCTED DUE TO CONSTRUCTION AND/OR AS DIRECTED BY THE ENGINEER. ACCESS SHALL BE MAINTAINED TO ALL PROPERTIES DURING CONSTRUCTION OPERATIONS WITH THE USE OF AGGREGATE FOR TEMPORARY ACCESS AND/OR BY CONSTRUCTING ONE HALF OF PROPOSED DRIVEWAYS AT A TIME. SEE TEMPORARY INFORMATION SIGNS DETAIL TC-26 FOR FURTHER INFORMATION.
6. TEMPORARY SIGNING, AS SHOWN, SHALL CONFORM TO THE APPLICABLE STANDARDS INCLUDED IN THE SPECIAL PROVISIONS AND CONTRACT PLANS OR AS DIRECTED BY THE ENGINEER. ALL TEMPORARY INFORMATION SIGNS SHALL BE PAID FOR SEPARATELY AT THE UNIT PER SQUARE FOOT FOR "TEMPORARY INFORMATION SIGNING".
7. THE CONTRACTOR SHALL PLACE FOUR CHANGEABLE MESSAGE SIGNS, ONE AT THE BEGINNING OF THE PROJECT ON BULL VALLEY ROAD, THE NORTH AND SOUTH LEGS OF IL ROUTE 31, AND AT THE EAST END OF THE PROJECT ON CHARLES J. MILLER ROAD. THE MESSAGE SIGNS WITH THE APPROPRIATE INFORMATION SHALL BE IN PLACE TWO WEEKS BEFORE START OF CONSTRUCTION ACTIVITY. THIS WORK IS TO BE PAID FOR AT THE CONTRACT UNIT PRICE PER CALENDAR MONTH FOR "CHANGEABLE MESSAGE SIGN".
8. THE BIKE PATH TEMPORARY INFORMATION SIGNING IS TO BE PLACED AT THE EXIT OF THE MORAIN HILLS STATE PARK BIKE PATH.

BARRICADES

1. EXISTING TRAFFIC CONTROL DEVICES WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE PROTECTED FROM DAMAGE BY THE CONTRACTOR. ANY DAMAGED SIGNS CAUSED BY HIS WORK SHALL BE REPLACED BY THE CONTRACTOR.
2. CHANNELIZING DEVICES ARE TO BE PLACED AT SAME LEVEL AS TRAVELING LANE OR SHOULDER PROFILE.

3. CHANNELIZING DEVICES MAY BE PLACED AT THE DROP-OFF ELEVATION TO PRESERVE LANE WIDTH. THE REFLECTIVE AREA AND WARNING LIGHT SHALL BE RAISED TO THE ELEVATION ABOVE THE TRAVELING LANE OR SHOULDER PROFILE AS REQUIRED BY STANDARD 701901. THE CONTRACTOR SHALL USE LEG EXTENSIONS FOR TYPE II BARRICADES OR PROVIDE A 2 FT WIDTH EARTH FILL PAD FOR DRUMS TO MEET MINIMUM BARRICADE HEIGHT (SEE STAGING TYPICAL CROSS SECTION SHEETS). THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION, (SPECIAL)

4. ALL TEMPORARY CONCRETE BARRIERS SHALL BE EQUIPPED WITH A 6 IN. PAINTED STRIPE AND A STEADY BURNING LIGHT. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER FOOT FOR "TEMPORARY CONCRETE BARRIER".

PAVEMENT MARKING

1. ALL TEMPORARY PAVEMENT MARKINGS PROPOSED WITHIN THE WORK AREA SHALL BE COMPLETED PRIOR TO THE CONSTRUCTION PHASE CHANGE.
2. THE REMOVAL OF ALL PAVEMENT MARKING ON IL ROUTE 31 PCC PAVEMENT MUST BE DONE USING WATER BLASTING WITH VACUUM RECOVERY, AND IT WILL BE PAID AS "PAVEMENT MARKING REMOVAL."
3. ALL PAVEMENT MARKINGS CONFLICTING WITH REVISED TRAFFIC PATTERNS SHALL BE REMOVED. TYPE III MARKING TAPE SHALL BE USED ON THE FINAL WEARING SURFACE OR ON THE EXISTING PAVEMENT TO REMAIN WHEN THE TEMPORARY PAVEMENT MARKING WILL CONFLICT WITH THE PERMANENT PAVEMENT MARKING SUCH AS ON TAPERS OR LANE SHIFTS.

PAVEMENT MARKING (CONTINUED)

4. ALL STAGE 1 PAVEMENT MARKINGS SHALL BE TEMPORARY PAVEMENT MARKING. ALL STAGE 2 PAVEMENT MARKINGS ON HMA SHALL BE THERMOPLASTIC AND TEMPORARY PAVEMENT MARKING ON PCC. ALL STAGE 3 PAVEMENT MARKINGS SHALL BE PAVEMENT MARKING TAPE, TYPE III.

OTHER

1. WHEN ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.

2. ANY SAWCUTTING OF THE EXISTING PAVEMENT FOR STAGE CONSTRUCTION SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SQUARE YARD FOR "PAVEMENT REMOVAL".

3. ALL DRAINAGE STRUCTURES THAT ARE REQUIRED TO BE INSTALLED WITHIN TEMPORARY PAVEMENT OR AT A TEMPORARY ELEVATION NECESSARY TO MAINTAIN TRAFFIC AND DRAINAGE ARE REQUIRED TO BE ADJUSTED TO THE PROPOSED TEMPORARY ELEVATION WITH A TYPE 1 FRAME OPEN LID AND THEN ADJUSTED TO FINAL GRADE WITH THE PROPOSED FRAME AND GRATE. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE DRAINAGE STRUCTURE SPECIFIED.

4. ANY PAVEMENT DROP-OFFS GREATER THAN 3 INCHES IMMEDIATELY ADJACENT TO TRAFFIC SHALL NOT BE LEFT OVERNIGHT. DROP-OFFS GREATER THAN 18 INCHES SHALL NOT BE EXPOSED TO TRAFFIC FOR GREATER THAN 48 HOURS. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION, (SPECIAL).

5. THE CONTRACTOR SHALL PROVIDE TEMPORARY HMA RAMPS TO TRANSITION THE DIFFERENTIAL ELEVATIONS CAUSED BY STAGED CONSTRUCTION BETWEEN THE NEW CONSTRUCTION AND EXISTING PAVEMENT. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR TEMPORARY RAMP.

6. END OF TEMPORARY CONCRETE BARRIER WALL MUST BE TAPERED 8:1 (12:1 IF POSTED SPEED LIMIT IS >40 MPH) AWAY FROM TRAFFIC.

7. THE FOLLOWING DROP-OFF POLICY TABLE PROVIDES THE MINIMUM RECOMMENDED TREATMENT FOR DROP-OFFS. THE RECOMMENDED TREATMENT HAS BEEN DEPICTED ON THE MAINTENANCE OF TRAFFIC PLAN SHEETS.

DROP-OFF LOCATION	NORMAL POSTED SPEED	DROP-OFF HEIGHT AND TYPE (INCHES)	TREATMENT REQUIRED	
<= 3 FT (3,4)	ALL	<= 1	NONE	
	< 45	> 1, <= 3 IN	LOW SHOULDER SIGNS (2 MILE SPACING)	
	>= 45	> 3, <= 18 IN	PLACE CHANNELIZING DEVICES AT 50 FT SPACING	
	< 45	> 3, <= 12 IN	PLACE CHANNELIZING DEVICES AT 100 FT SPACING	
	>= 45	> 18, <= 24 IN FOR < 0.5 MILE OR < 48 HOURS (6)	PLACE CHANNELIZING DEVICES AT 50 FT SPACING	
	>= 45	> 12, <= 18 IN FOR < 0.5 MILE OR < 48 HOURS.	PLACE CHANNELIZING DEVICES AT 100 FT SPACING	
> 3 FT <= 8 FT (5)	>= 45	> 12, <= 24 IN FOR < 0.5 MILE OR < 48 HOURS	CLOSURE USING TEMPORARY TRAFFIC BARRIER	
	< 45	> 18, <= 24 IN	CLOSURE USING TEMPORARY TRAFFIC BARRIER	
	>= 45	> 18, <= 24 IN FOR < 0.5 MILE OR < 48 HOURS.	CLOSURE USING TEMPORARY TRAFFIC BARRIER	
	ALL	> 24 IN	CLOSURE USING TEMPORARY TRAFFIC BARRIER	
	> 8 FT TO WORK ZONE CLEAR ZONE (5)	ALL	<= 1 IN	NONE
	> 8 FT TO WORK ZONE CLEAR ZONE (5)	< 45	> 1, <= 3 IN	LOW SHOULDER SIGNS (2 MILE SPACING)
> 8 FT TO WORK ZONE CLEAR ZONE (5)	< 45	> 3, <= 24 IN (6)	PLACE CHANNELIZING DEVICES AT 50 FT SPACING	
> 8 FT TO WORK ZONE CLEAR ZONE (5)	>= 45	> 3, <= 24 IN	PLACE CHANNELIZING DEVICES AT 100 FT SPACING	
> 8 FT TO WORK ZONE CLEAR ZONE (5)	ALL	> 24 IN	CLOSURE USING TEMPORARY TRAFFIC BARRIER	

- (1) FOR LOCAL ROADS LESS THAN OR EQUAL TO 400 ADT, BARRICADES MAY BE SUBSTITUTED FOR TEMPORARY TRAFFIC BARRIER BASED ON ENGINEERING JUDGMENT
- (2) SPOT LOCATIONS FOR TWO LANE, TWO WAY HIGHWAYS WITH CONTINUOUS FLAGGING OR TRAFFIC SIGNALS MAY OMIT BARRIER FOR UP TO 96 HOURS.
- (3) CHANNELIZING DEVICES AND TEMPORARY BARRIER ARE TO BE PLACED AT SAME LEVEL AS TRAVELING LANE OR SHOULDER PROFILE.
- (4) CHANNELIZING DEVICES MAY BE PLACED AT THE DROP-OFF ELEVATION TO PRESERVE LANE WIDTH. THE REFLECTIVE AREA AND WARNING LIGHT (IF REQUIRED) SHALL BE RAISED TO THE ELEVATION ABOVE TRAVELING LANE OR SHOULDER PROFILE AS REQUIRED BY STANDARD 701901.
- (5) CHANNELIZING DEVICES AND TEMPORARY BARRIER ARE TO BE PLACED AT SAME LEVEL AS SIDE SLOPE PROFILE TO BE FULLY VISIBLE.
- (6) LENGTH AND DURATION MAY BE EXCEEDED FOR URBAN AREAS WHEN ENGINEERING JUDGEMENT INDICATES SIGHT DISTANCE WILL BE ADVERSELY AFFECTED BY TEMPORARY BARRIER.

SEQUENCE OF CONSTRUCTION

PRE-STAGE

- CONSTRUCTION**
1. PREPARE THE TEMPORARY SIGNALS AT THE INTERSECTIONS OF ILLINOIS ROUTE 31 AND GREEN STREET/BARREVILLE ROAD PER THE TEMPORARY SIGNAL PLANS.
 2. PREPARE THE ROADWAYS AND INTERSECTIONS FOR STAGE 1 TRAFFIC WITH TEMPORARY PAVEMENT. SEE MAINTENANCE OF TRAFFIC PLAN SHEETS FOR LOCATIONS.
 3. CONSTRUCT TEMPORARY PAVEMENT AT LOCATIONS SHOWN IN THE PLANS.
 4. REMOVE CONFLICTING EXISTING SIGNS LOCATED ALONG THE MAINLINE. RELOCATE EXISTING SIGNS AS NEEDED.
 5. REMOVE ALL EXISTING RAISED PAVEMENT MARKERS AND PAVEMENT MARKINGS IN CONFLICT WITH MAINTENANCE OF TRAFFIC STRIPING.
- MAINTENANCE OF TRAFFIC**
1. MAINTAIN THE EXISTING TRAFFIC CONFIGURATION.

STAGE 1

- CONSTRUCTION**
1. PLACE STAGE 1 TRAFFIC CONTROL DEVICES AND TEMPORARY PAVEMENT MARKINGS. SET TRAFFIC AND ACTIVATE SIGNAL HEADS FOR THE TEMPORARY TRAFFIC SIGNALS AT THE INTERSECTIONS OF ILLINOIS ROUTE 31 AND GREEN STREET/BARREVILLE ROAD PER THE TEMPORARY SIGNAL PLANS.
 2. CONSTRUCT THE CURB AND GUTTER WITHIN THE WORK ZONE FOR STAGE 1 AT LOCATIONS SHOWN. CONSTRUCT THE PROPOSED PAVEMENT UP TO THE BINDER COURSE OR SURFACE OF PCC JOINTED PAVEMENT. PREPARE THE MAINLINE AND INTERSECTIONS FOR STAGE 2 TRAFFIC WITH TEMPORARY PAVEMENT. SEE MAINTENANCE OF TRAFFIC PLAN SHEETS FOR LOCATIONS OF STAGE 2 TEMPORARY PAVEMENT.
 3. CONSTRUCT DRAINAGE STRUCTURES AND STORM SEWER AT LOCATIONS SHOWN IN THE PLANS.
- MAINTENANCE OF TRAFFIC**
1. A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES, AS SHOWN ON THE PLANS.
 2. TRAFFIC WILL BE SHIFTED FOR STAGE 1 CONSTRUCTION AND WILL UTILIZE THE EXISTING PAVEMENT AND TEMPORARY PAVEMENT.

STAGE 2

- CONSTRUCTION**
1. INSTALL STAGE 2 TRAFFIC CONTROL DEVICES AND TEMPORARY PAVEMENT MARKINGS. SET TRAFFIC SIGNAL HEADS FOR THE TEMPORARY TRAFFIC SIGNALS AT THE INTERSECTIONS OF ILLINOIS ROUTE 31 AND GREEN STREET/BARREVILLE ROAD PER THE TEMPORARY SIGNAL PLANS.
 2. CONSTRUCT THE CURB AND GUTTER WITHIN THE WORK ZONE FOR STAGE 2. CONSTRUCT THE PROPOSED PAVEMENT UP TO THE BINDER COURSE OR SURFACE OF PCC JOINTED PAVEMENT. PREPARE THE MAINLINE AND INTERSECTIONS FOR STAGE 3 TRAFFIC WITH TEMPORARY PAVEMENT. SEE MAINTENANCE OF TRAFFIC PLAN SHEETS FOR LOCATIONS OF STAGE 3 TEMPORARY PAVEMENT.
 3. CONSTRUCT DRAINAGE STRUCTURES AND STORM SEWER AT LOCATIONS SHOWN IN THE PLANS.
- MAINTENANCE OF TRAFFIC**
1. A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES, AS SHOWN ON THE PLANS.
 2. TRAFFIC WILL BE SHIFTED FOR STAGE 2 CONSTRUCTION AND WILL UTILIZE NEWLY CONSTRUCTED PAVEMENT AND TEMPORARY PAVEMENT.

STAGE 3

- CONSTRUCTION**
1. PLACE STAGE 3 TRAFFIC CONTROL DEVICES AND TEMPORARY PAVEMENT MARKINGS. SET TRAFFIC SIGNAL HEADS FOR THE TEMPORARY TRAFFIC SIGNALS AT THE INTERSECTIONS OF ILLINOIS ROUTE 31 AND GREEN STREET/BARREVILLE ROAD PER THE TEMPORARY SIGNAL PLANS.
 2. CONSTRUCT THE REMAINING PAVEMENTS UP TO THE BINDER COURSE. CONSTRUCT THE CURB AND GUTTER ALONG MEDIANS AND MEDIAN SURFACES.
 3. CONSTRUCT DRAINAGE AND PARKWAY IMPROVEMENTS ALONG CHARLES J. MILLER ROAD AT LOCATIONS SHOWN IN THE PLANS.
- MAINTENANCE OF TRAFFIC**
1. A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES, AS SHOWN ON THE PLANS.

STAGE 4 (Not Illustrated)

- CONSTRUCTION**
1. PLACE THE HOT MIX ASPHALT SURFACE COURSES.
 2. COMPLETE REMAINING RESTORATION AND LANDSCAPING.
 3. COMPLETE INSTALLATION OF TRAFFIC SIGNALS AT ILLINOIS ROUTE 31 AND GREEN STREET/BARREVILLE ROAD.
 4. REMOVE TEMPORARY TRAFFIC SIGNALS.
 5. INSTALL PERMANENT PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKINGS.
- MAINTENANCE OF TRAFFIC**
1. A MINIMUM OF ONE LANE OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES.

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 11/11/2014 10:26:47 AM
 FILE NAME: 090071-motgn-01.dgn
 PLOT DRIVER: pofcut
 PEN TABLE: standard-trans.tbl



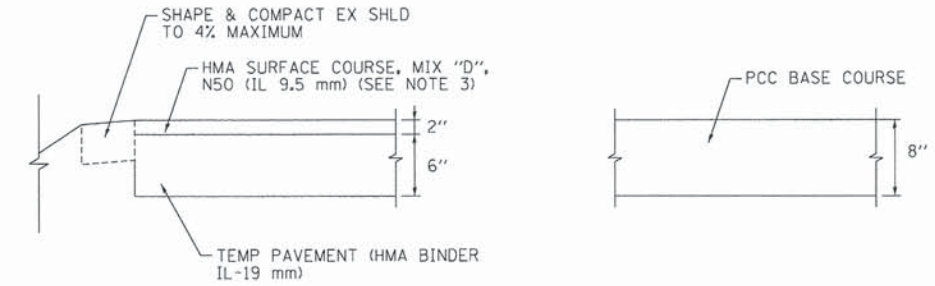
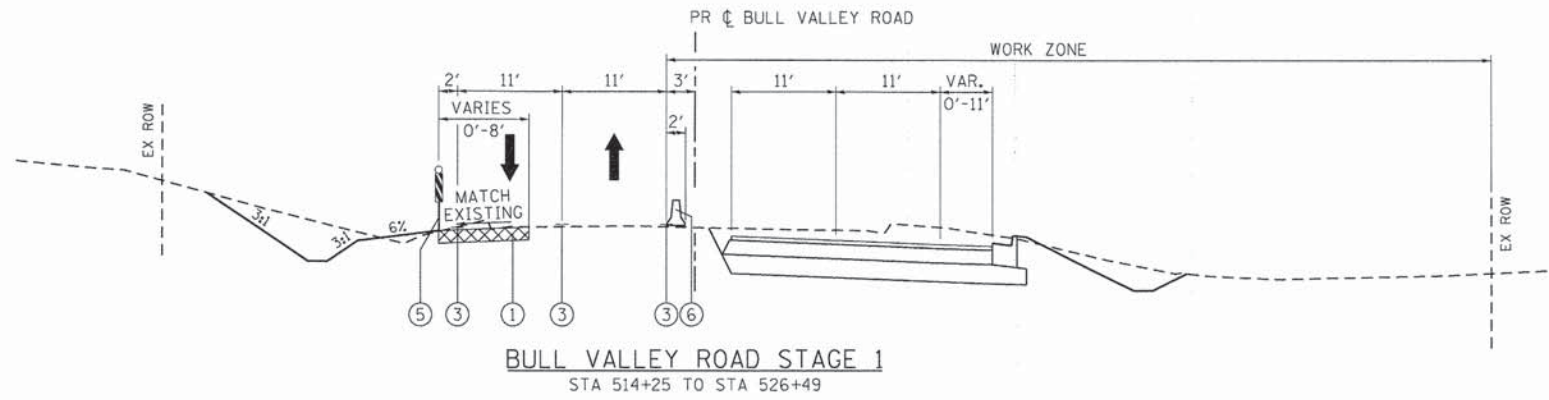
USER NAME = tye1ton	DESIGNED - JPA	REVISED -
FILE NAME = 090071-motgn-01.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = N.T.S.	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE - 11/12/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

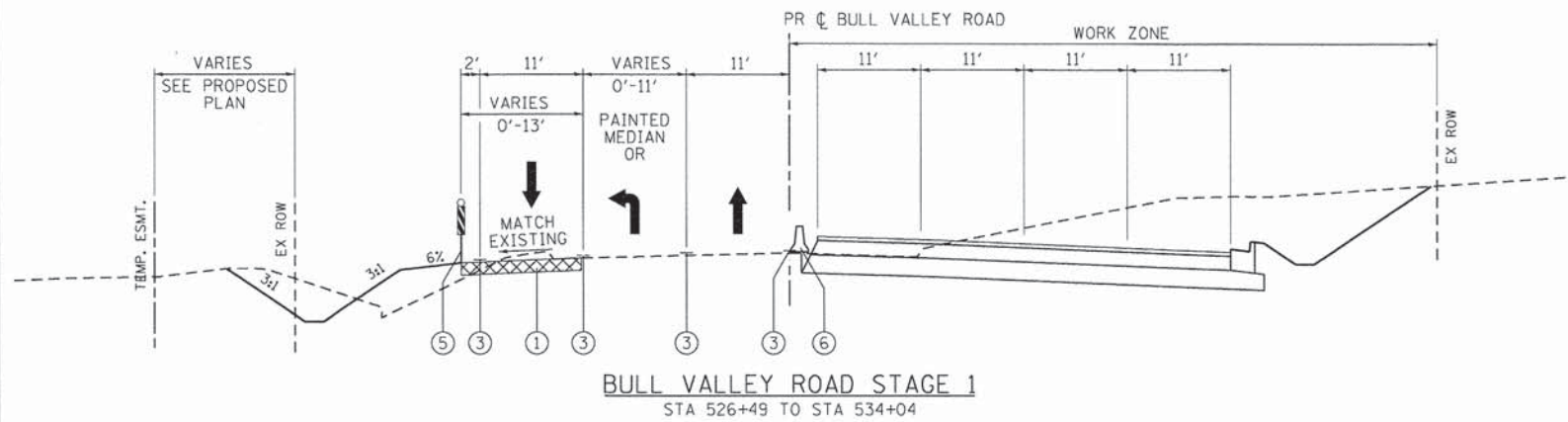
**SUGGESTED MAINTENANCE OF TRAFFIC - GENERAL NOTES
CHARLES J. MILLER ROAD ROADWAY IMPROVEMENTS**

SCALE: N.T.S. SHEET NO. 1 OF 46 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	44
CONTRACT NO.			63892	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



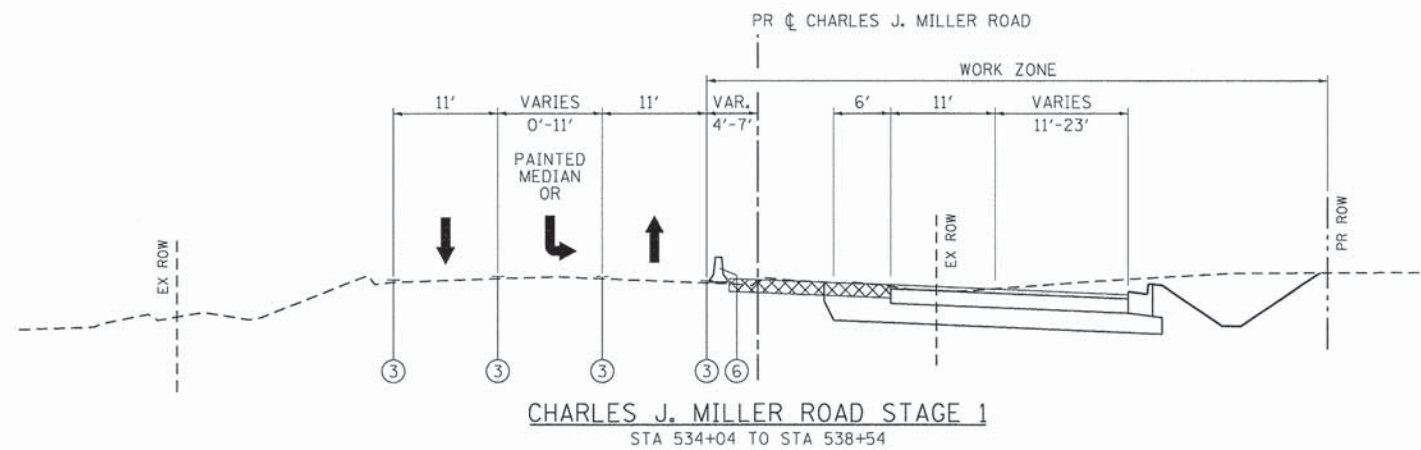
TEMPORARY PAVEMENT DETAILS



- LEGEND:**
- ① TEMPORARY PAVEMENT, 8" (SEE NOTE 2)
 - ② TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
 - ③ PAVEMENT MARKING (SEE NOTE 1)
 - ④ EXISTING PAVEMENT MARKING
 - ⑤ DOUBLE VERTICAL PANELS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
 - ⑥ TEMPORARY CONCRETE BARRIER (SEE NOTE 4)
- ➔ DIRECTION OF TRAFFIC
- ▨ TEMPORARY PAVEMENT

MAINTENANCE OF TRAFFIC NOTES:

1. SEE MAINTENANCE OF TRAFFIC PLAN SHEETS FOR LOCATIONS AND TYPE OF PAVEMENT MARKING.
2. SEE MAINTENANCE OF TRAFFIC PLAN SHEETS FOR TEMPORARY PAVEMENT CONSTRUCTION STAGING.
3. THE CONTRACTOR HAS THE OPTION OF USING HMA OR PCC SECTION FOR TEMPORARY PAVEMENT.
4. TEMPORARY CONCRETE BARRIER WALL SHALL BE PINNED WHEN A 3.5' CLEAR ZONE CANNOT BE PROVIDED FROM BEHIND THE WALL.



COMPANY NAME: HRGreen.com
 PROJECT CONTACTS: HRGreen.com
 CLIENT: 11/11/2014 10:56:42 AM
 FILE NAME: 090071-motgn-02.dgn
 PLOT DRIVER: pdf.ctb
 PEN TABLE: standard-trans.tbl



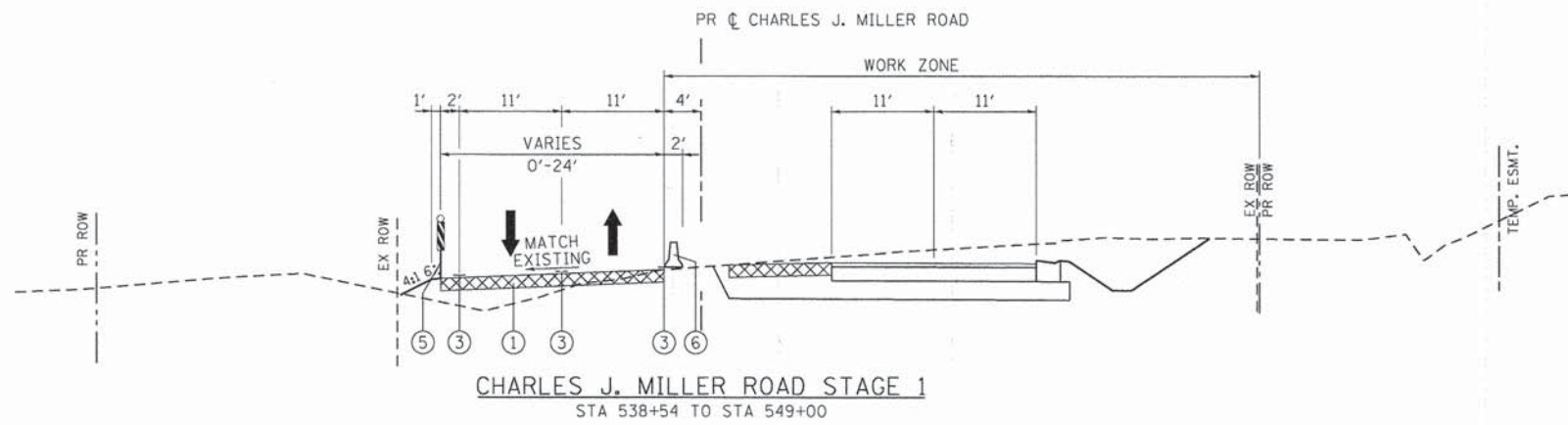
USER NAME = tyelton	DESIGNED - JPA	REVISED -
FILE NAME = 090071-motgn-02.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = N.T.S.	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE = 11/12/14	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

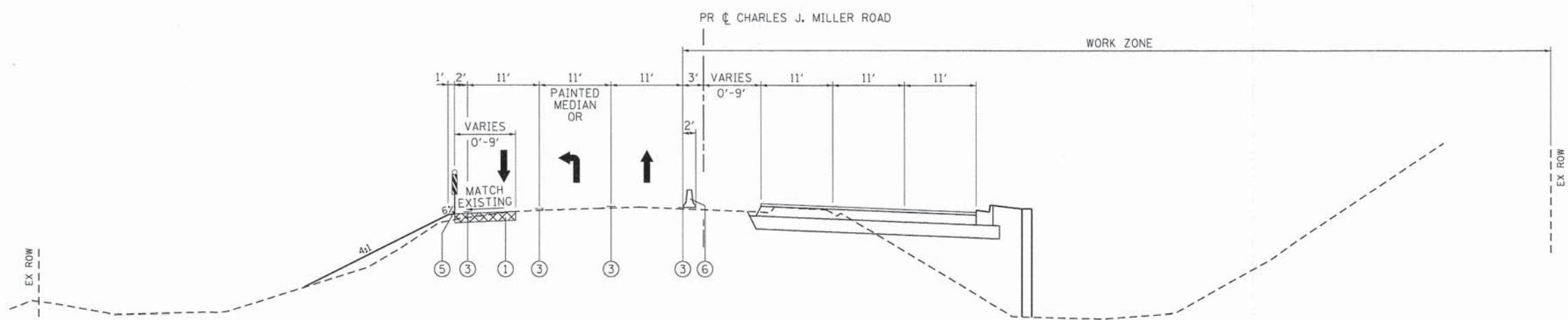
SUGGESTED MAINTENANCE OF TRAFFIC - TYPICAL SECTIONS
 BULL VALLEY/CHARLES J. MILLER ROAD STAGE 1

SCALE: N.T.S. SHEET NO. 2 OF 46 SHEETS STA. TO STA.

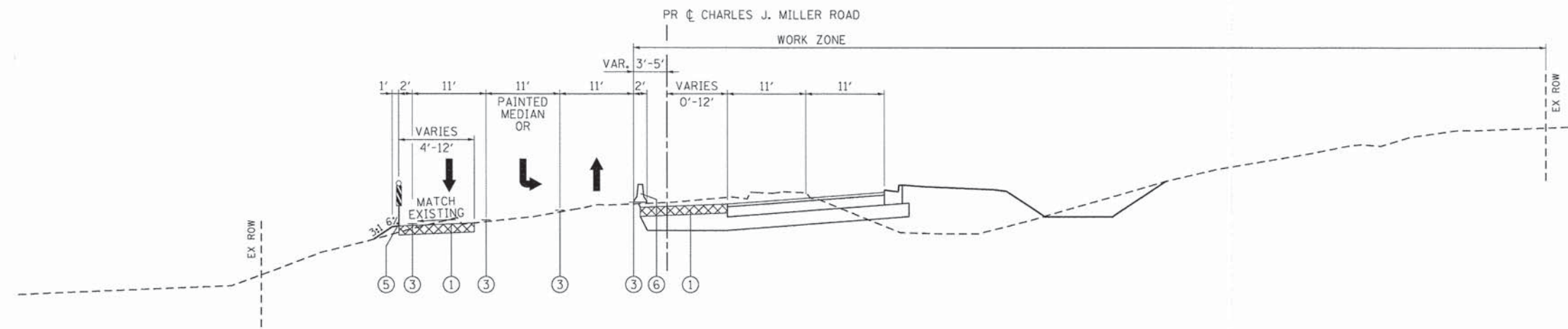
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	45
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63892	



CHARLES J. MILLER ROAD STAGE 1
STA 538+54 TO STA 549+00



CHARLES J. MILLER ROAD STAGE 1
STA 549+00 TO STA 552+91



CHARLES J. MILLER ROAD STAGE 1
STA 552+91 TO STA 565+38

- LEGEND:**
- ① TEMPORARY PAVEMENT, 8" (SEE NOTE 2)
 - ② TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
 - ③ PAVEMENT MARKING (SEE NOTE 1)
 - ④ EXISTING PAVEMENT MARKING
 - ⑤ DOUBLE VERTICAL PANELS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
 - ⑥ TEMPORARY CONCRETE BARRIER (SEE NOTE 4)
- ➔ DIRECTION OF TRAFFIC
- ⊠ TEMPORARY PAVEMENT

- MAINTENANCE OF TRAFFIC NOTES:**
1. SEE MAINTENANCE OF TRAFFIC PLAN SHEETS FOR LOCATIONS AND TYPE OF PAVEMENT MARKING.
 2. SEE MAINTENANCE OF TRAFFIC PLAN SHEETS FOR TEMPORARY PAVEMENT CONSTRUCTION STAGING.
 3. THE CONTRACTOR HAS THE OPTION OF USING HMA OR PCC SECTION FOR TEMPORARY PAVEMENT.
 4. TEMPORARY CONCRETE BARRIER WALL SHALL BE PINNED WHEN A 3.5' CLEAR ZONE CANNOT BE PROVIDED FROM BEHIND THE WALL.

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 CLIENT: 11/11/2014 10:26:45 AM
 DATE PLOTTED: 09/07/14-motgn-03.dgn
 PLOT DRIVER: standard-trans.tbl
 PEN TABLE:



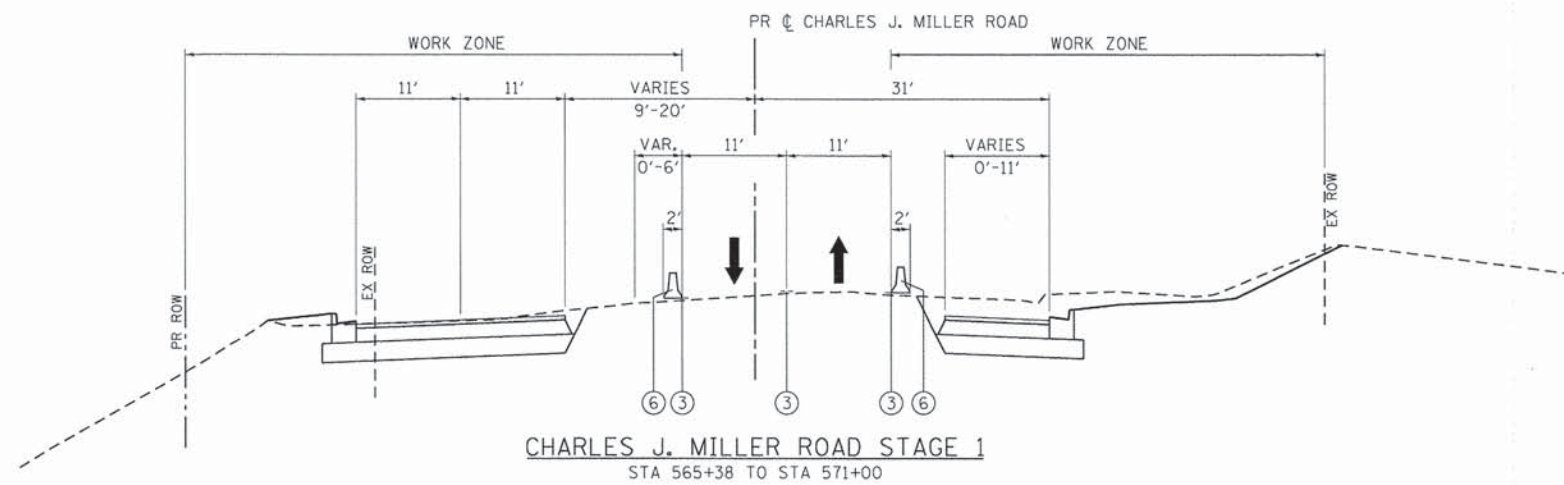
USER NAME = tyelison	DESIGNED - JPA	REVISED -
FILE NAME = 090071-motgn-03.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = N.T.S.	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE - 11/12/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC - TYPICAL SECTIONS
CHARLES J. MILLER ROAD STAGE 1**

SCALE: N.T.S. SHEET NO. 3 OF 46 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	46
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63892	



- LEGEND:**
- ① TEMPORARY PAVEMENT, 8" (SEE NOTE 2)
 - ② TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
 - ③ PAVEMENT MARKING (SEE NOTE 1)
 - ④ EXISTING PAVEMENT MARKING
 - ⑤ DOUBLE VERTICAL PANELS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
 - ⑥ TEMPORARY CONCRETE BARRIER (SEE NOTE 4)
 - ➔ DIRECTION OF TRAFFIC
 - ⊠ TEMPORARY PAVEMENT

- MAINTENANCE OF TRAFFIC NOTES:**
1. SEE MAINTENANCE OF TRAFFIC PLAN SHEETS FOR LOCATIONS AND TYPE OF PAVEMENT MARKING.
 2. SEE MAINTENANCE OF TRAFFIC PLAN SHEETS FOR TEMPORARY PAVEMENT CONSTRUCTION STAGING.
 3. THE CONTRACTOR HAS THE OPTION OF USING HMA OR PCC SECTION FOR TEMPORARY PAVEMENT.
 4. TEMPORARY CONCRETE BARRIER WALL SHALL BE PINNED WHEN A 3.5' CLEAR ZONE CANNOT BE PROVIDED FROM BEHIND THE WALL.

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 CLIENT: 11/11/2014 10:26:48 AM
 DATE PLOTTED: 09/24/2014 10:26:48 AM
 PLOT DMSR: 09/24/2014 10:26:48 AM
 PEN TABLE: standard-transt.tbl



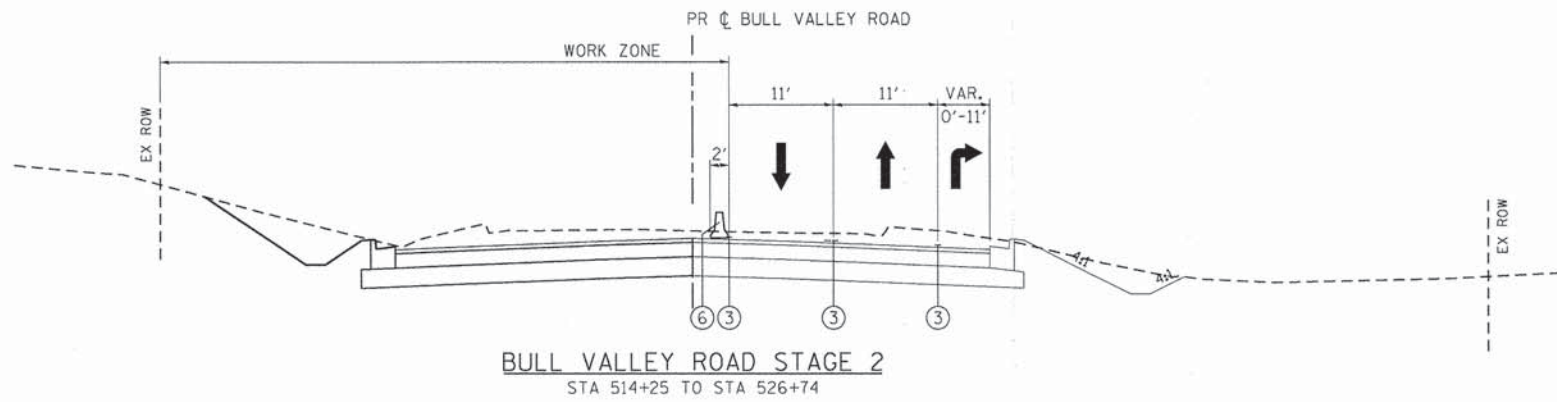
USER NAME = tye1son	DESIGNED - JPA	REVISED -
FILE NAME = 090071-motgn-04.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = N.T.S.	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE - 11/12/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

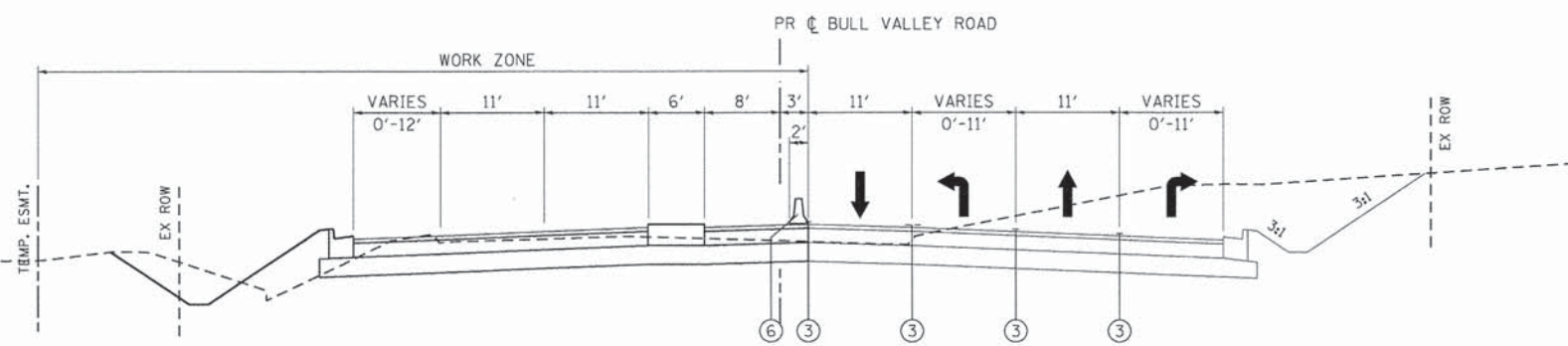
**SUGGESTED MAINTENANCE OF TRAFFIC - TYPICAL SECTIONS
CHARLES J. MILLER ROAD STAGE 1**

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	47
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63892	

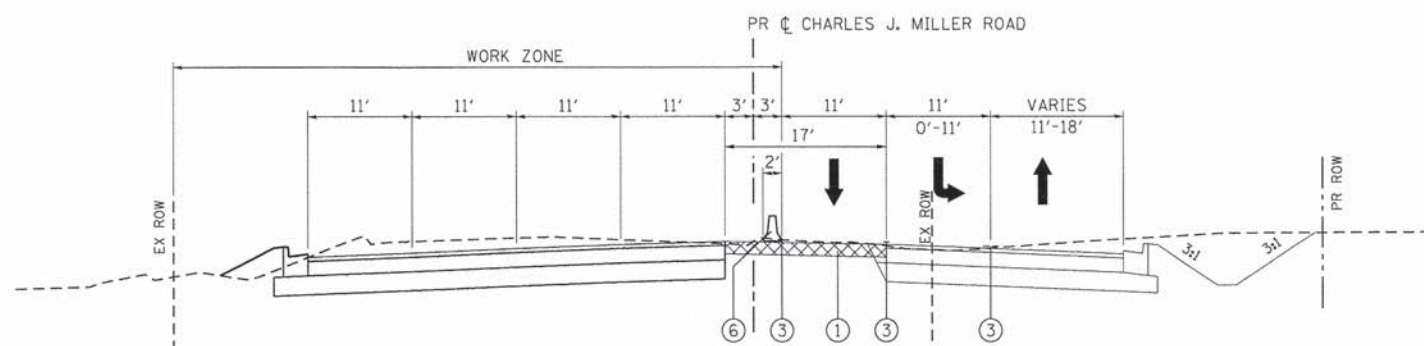
SCALE: N.T.S. SHEET NO. 4 OF 46 SHEETS STA. TO STA.



BULL VALLEY ROAD STAGE 2
STA 514+25 TO STA 526+74



BULL VALLEY ROAD STAGE 2
STA 526+74 TO STA 534+04



CHARLES J. MILLER ROAD STAGE 2
STA 534+04 TO STA 538+50

- LEGEND:**
- ① TEMPORARY PAVEMENT, 8" (SEE NOTE 2)
 - ② TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
 - ③ PAVEMENT MARKING (SEE NOTE 1)
 - ④ EXISTING PAVEMENT MARKING
 - ⑤ DOUBLE VERTICAL PANELS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
 - ⑥ TEMPORARY CONCRETE BARRIER (SEE NOTE 4)
 - ➔ DIRECTION OF TRAFFIC
 - ⊠ TEMPORARY PAVEMENT

- MAINTENANCE OF TRAFFIC NOTES:**
1. SEE MAINTENANCE OF TRAFFIC PLAN SHEETS FOR LOCATIONS AND TYPE OF PAVEMENT MARKING.
 2. SEE MAINTENANCE OF TRAFFIC PLAN SHEETS FOR TEMPORARY PAVEMENT CONSTRUCTION STAGING.
 3. THE CONTRACTOR HAS THE OPTION OF USING HMA OR PCC SECTION FOR TEMPORARY PAVEMENT.
 4. TEMPORARY CONCRETE BARRIER WALL SHALL BE PINNED WHEN A 3.5' CLEAR ZONE CANNOT BE PROVIDED FROM BEHIND THE WALL.

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm #184-001322
 CLIENT: 11/11/2014 10:26:52 AM
 FILE NAME: 090071-motgn-06.dgn
 PLOT DRIVER: pdf.plt
 PEN TABLE: standard.ctb



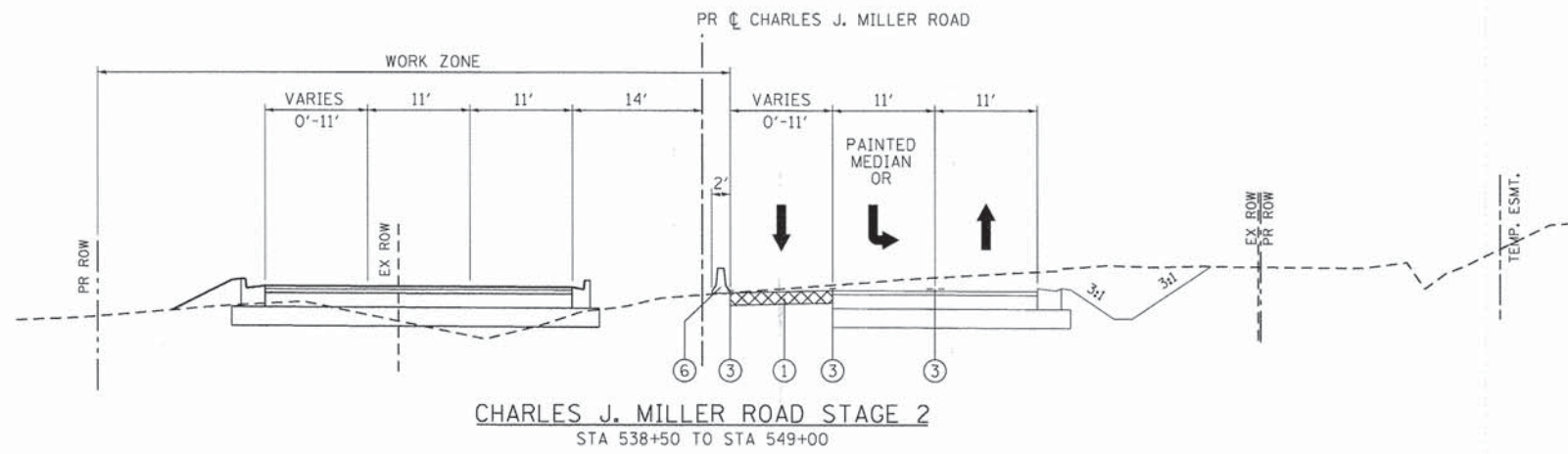
USER NAME = tjeilton	DESIGNED - JPA	REVISED -
FILE NAME = 090071-motgn-06.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = N.T.S.	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE - 11/12/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

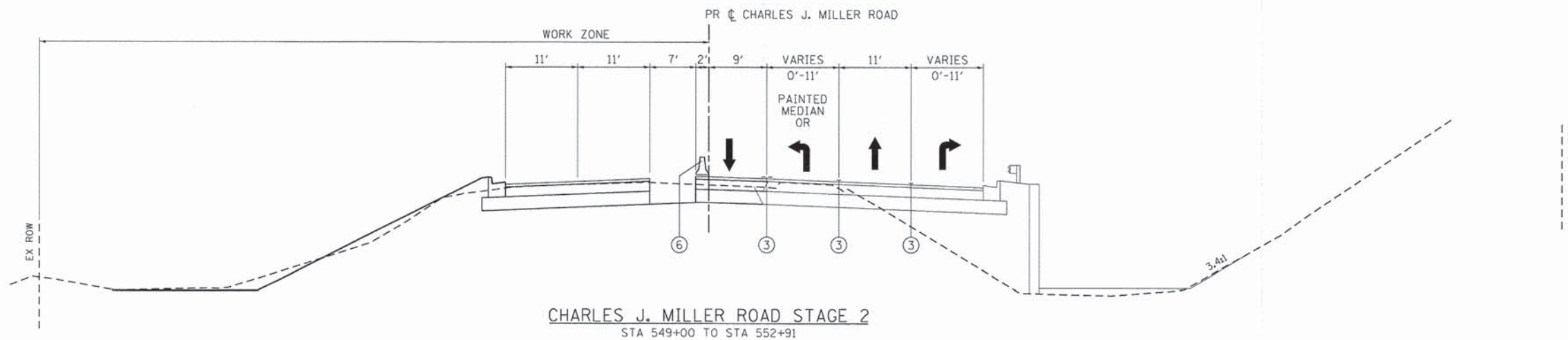
**SUGGESTED MAINTENANCE OF TRAFFIC - TYPICAL SECTIONS
BULL VALLEY/CHARLES J. MILLER ROAD STAGE 2**

SCALE: N.T.S. SHEET NO. 5 OF 46 SHEETS STA. TO STA.

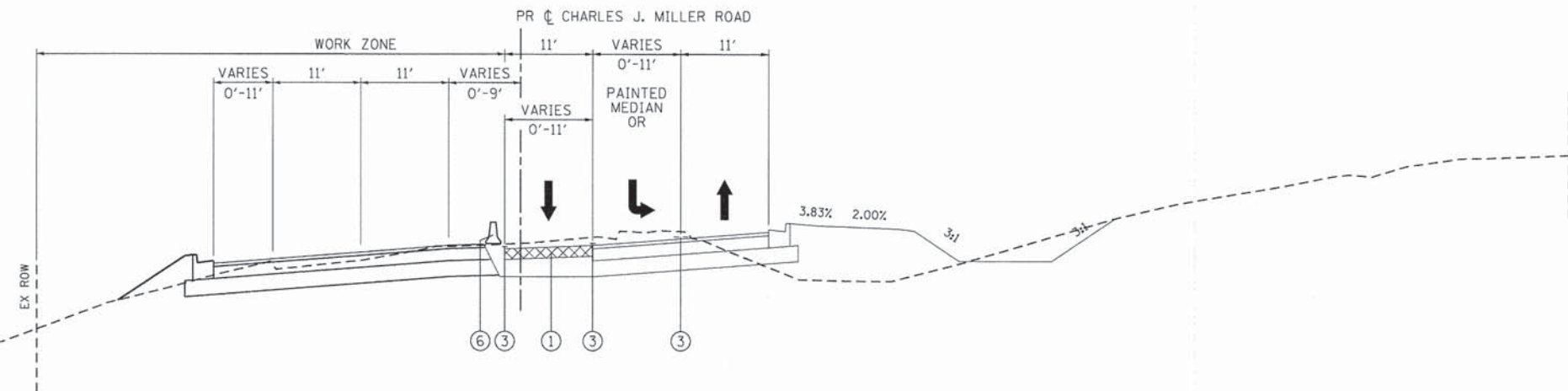
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	48
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63892	



CHARLES J. MILLER ROAD STAGE 2
STA 538+50 TO STA 549+00



CHARLES J. MILLER ROAD STAGE 2
STA 549+00 TO STA 552+91



CHARLES J. MILLER ROAD STAGE 2
STA 552+91 TO STA 564+92

- LEGEND:**
- ① TEMPORARY PAVEMENT, 8" (SEE NOTE 2)
 - ② TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
 - ③ PAVEMENT MARKING (SEE NOTE 1)
 - ④ EXISTING PAVEMENT MARKING
 - ⑤ DOUBLE VERTICAL PANELS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
 - ⑥ TEMPORARY CONCRETE BARRIER (SEE NOTE 4)
 - ➔ DIRECTION OF TRAFFIC
 - ▨ TEMPORARY PAVEMENT

- MAINTENANCE OF TRAFFIC NOTES:**
1. SEE MAINTENANCE OF TRAFFIC PLAN SHEETS FOR LOCATIONS AND TYPE OF PAVEMENT MARKING.
 2. SEE MAINTENANCE OF TRAFFIC PLAN SHEETS FOR TEMPORARY PAVEMENT CONSTRUCTION STAGING.
 3. THE CONTRACTOR HAS THE OPTION OF USING HMA OR PCC SECTION FOR TEMPORARY PAVEMENT.
 4. TEMPORARY CONCRETE BARRIER WALL SHALL BE PINNED WHEN A 3.5' CLEAR ZONE CANNOT BE PROVIDED FROM BEHIND THE WALL.

COMPANY NAME: HRGreen
 PROJECT CONTACT: 11/11/2014 10:26:57 AM
 CLIENT: 0020 - moirgn-01.dgn
 FILE NAME: default
 PLOT DRIVER: standard-trans.tbl
 PEN TABLE:



USER NAME = tjelton	DESIGNED - JPA	REVISED -
FILE NAME = 850071-moigrn-07.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = N.T.S.	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE - 11/12/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC - TYPICAL SECTIONS
CHARLES J. MILLER ROAD STAGE 2**

SCALE: N.T.S. SHEET NO. 6 OF 46 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	49
				CONTRACT NO. 63892
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

COMPANY NAME: HRGreen
 PROJECT CONTACT: J. J. J. J.
 DATE PLOTTED: 11/11/2014 10:27:00 AM
 FILE NAME: 090071-motgn-08.dgn
 PLOT DRIVER: pdfplot
 PEN TABLE: standard-trans.tbl



USER NAME = tye1ton	DESIGNED - JPA	REVISED -
FILE NAME = 090071-motgn-08.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = N.T.S.	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE - 11/12/14	REVISED -

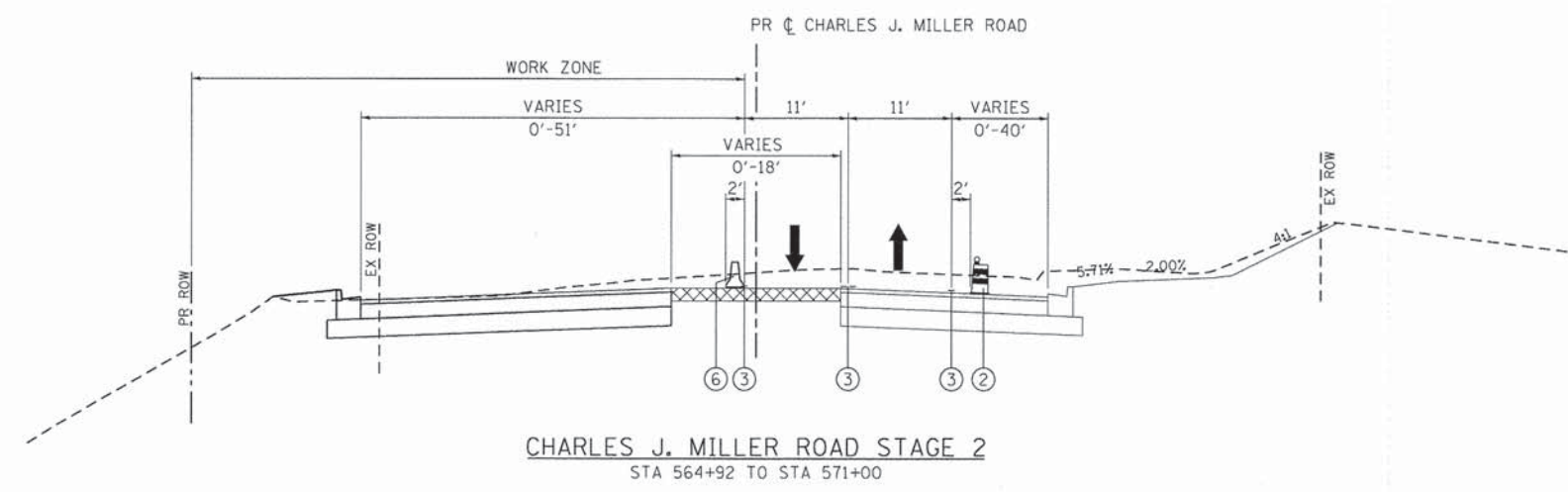
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC - TYPICAL SECTIONS
 CHARLES J. MILLER ROAD STAGE 2**

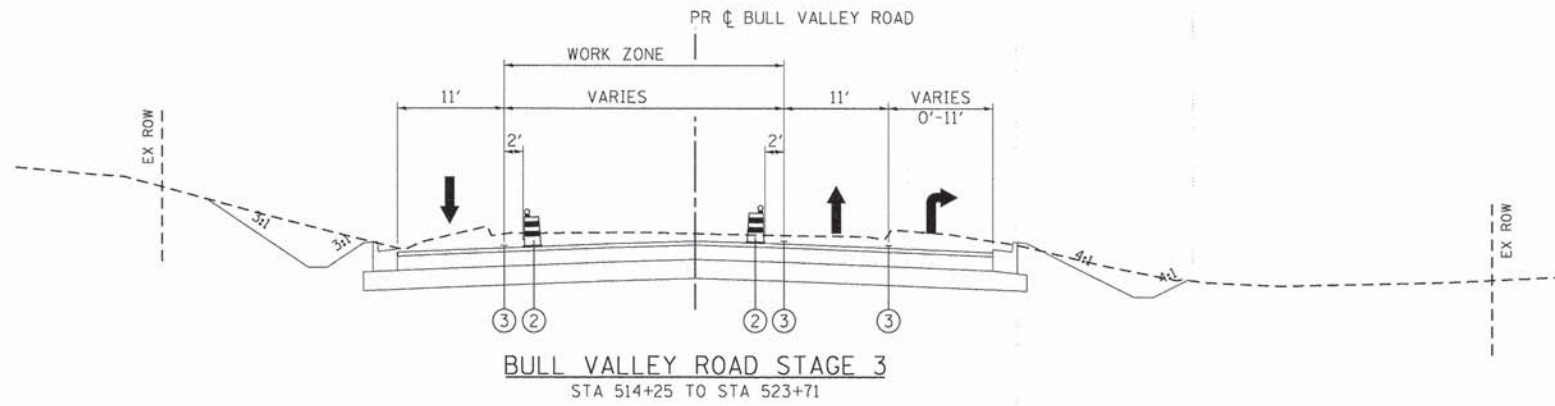
SCALE: N.T.S. SHEET NO. 7 OF 46 SHEETS STA. TO STA.

- LEGEND:**
- ① TEMPORARY PAVEMENT, 8" (SEE NOTE 2)
 - ② TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
 - ③ PAVEMENT MARKING (SEE NOTE 1)
 - ④ EXISTING PAVEMENT MARKING
 - ⑤ DOUBLE VERTICAL PANELS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
 - ⑥ TEMPORARY CONCRETE BARRIER (SEE NOTE 4)
 - ➔ DIRECTION OF TRAFFIC
 - ▨ TEMPORARY PAVEMENT

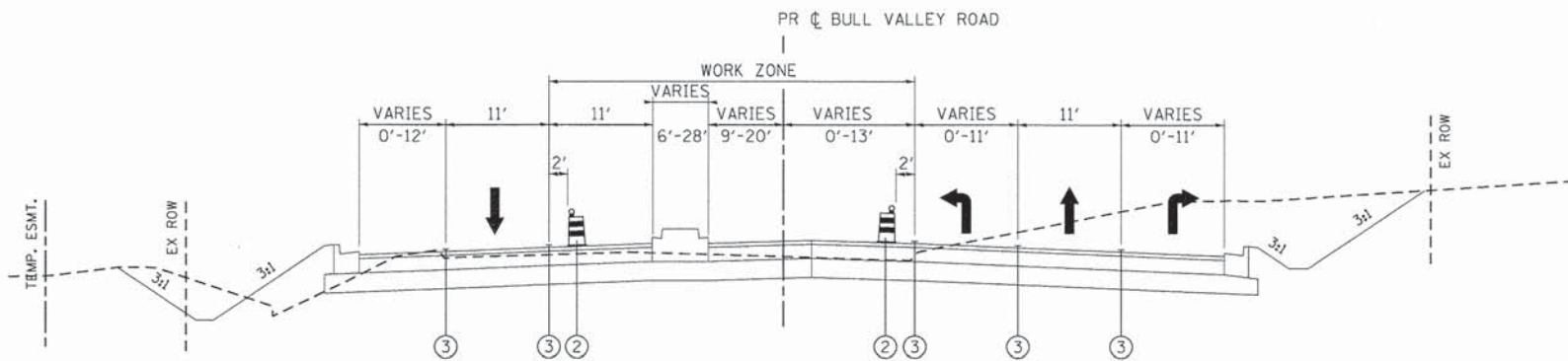
- MAINTENANCE OF TRAFFIC NOTES:**
- SEE MAINTENANCE OF TRAFFIC PLAN SHEETS FOR LOCATIONS AND TYPE OF PAVEMENT MARKING.
 - SEE MAINTENANCE OF TRAFFIC PLAN SHEETS FOR TEMPORARY PAVEMENT CONSTRUCTION STAGING.
 - THE CONTRACTOR HAS THE OPTION OF USING HMA OR PCC SECTION FOR TEMPORARY PAVEMENT.
 - TEMPORARY CONCRETE BARRIER WALL SHALL BE PINNED WHEN A 3.5' CLEAR ZONE CANNOT BE PROVIDED FROM BEHIND THE WALL.



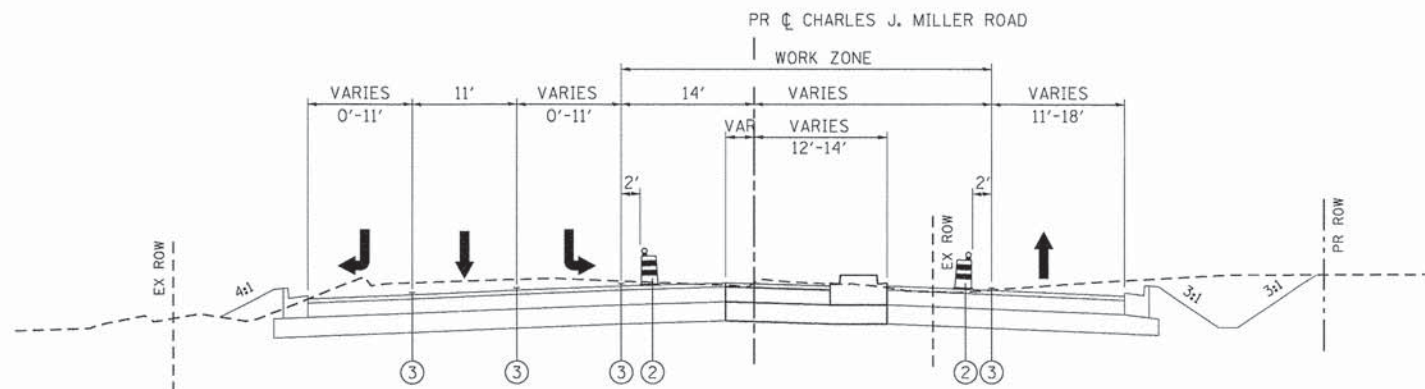
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	50
CONTRACT NO. 63892				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



BULL VALLEY ROAD STAGE 3
STA 514+25 TO STA 523+71



BULL VALLEY ROAD STAGE 3
STA 523+71 TO STA 534+04



CHARLES J. MILLER ROAD STAGE 3
STA 534+04 TO STA 539+70

- LEGEND:**
- ① TEMPORARY PAVEMENT, 8" (SEE NOTE 2)
 - ② TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
 - ③ PAVEMENT MARKING (SEE NOTE 1)
 - ④ EXISTING PAVEMENT MARKING
 - ⑤ DOUBLE VERTICAL PANELS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
 - ⑥ TEMPORARY CONCRETE BARRIER (SEE NOTE 4)
 - ➔ DIRECTION OF TRAFFIC
 - ⊠ TEMPORARY PAVEMENT

- MAINTENANCE OF TRAFFIC NOTES:**
1. SEE MAINTENANCE OF TRAFFIC PLAN SHEETS FOR LOCATIONS AND TYPE OF PAVEMENT MARKING.
 2. SEE MAINTENANCE OF TRAFFIC PLAN SHEETS FOR TEMPORARY PAVEMENT CONSTRUCTION STAGING.
 3. THE CONTRACTOR HAS THE OPTION OF USING HMA OR PCC SECTION FOR TEMPORARY PAVEMENT.
 4. TEMPORARY CONCRETE BARRIER WALL SHALL BE PINNED WHEN A 3.5' CLEAR ZONE CANNOT BE PROVIDED FROM BEHIND THE WALL.

COMPANY NAME: HRGreen
 PROJECT CONTACT: J. J. J. J.
 DATE PLOTTED: 11/11/2014 10:27:04 AM
 FILE NAME: 090071-motgn-18.dgn
 PLOT DRIVER: pldt.drv
 PEN TABLE: standard-frans.tbl



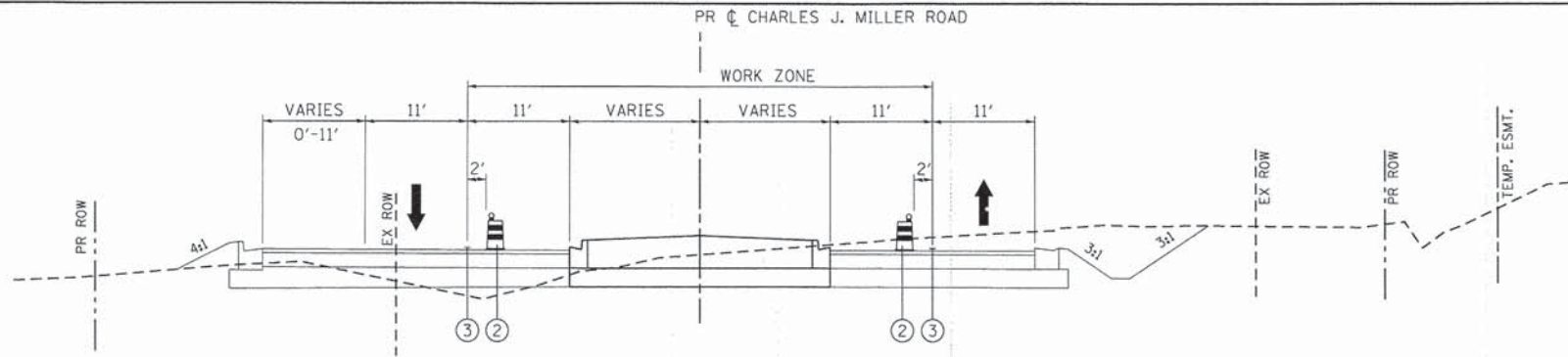
USER NAME = tjelton	DESIGNED - JPA	REVISED -
FILE NAME = 090071-motgn-18.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = N.T.S.	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE - 11/12/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

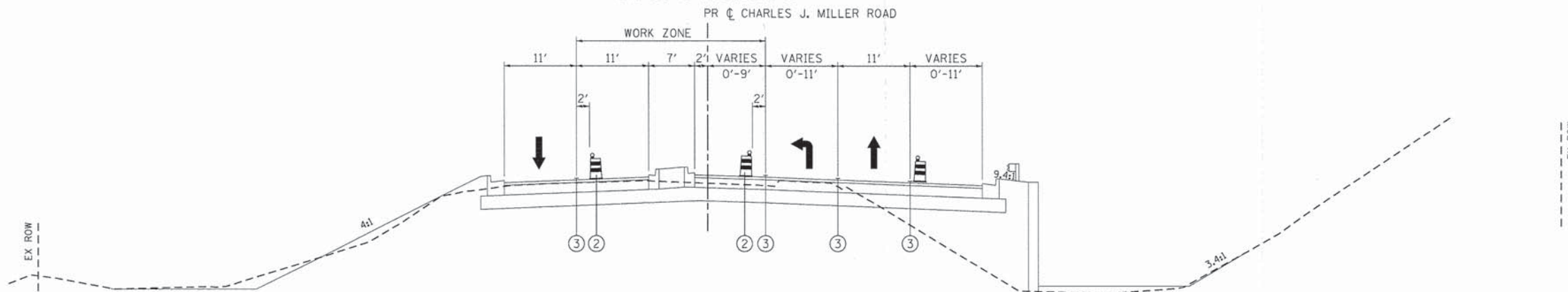
**SUGGESTED MAINTENANCE OF TRAFFIC - TYPICAL SECTIONS
BULL VALLEY/CHARLES J. MILLER ROAD STAGE 3**

SCALE: N.T.S. SHEET NO. 8 OF 46 SHEETS STA. TO STA.

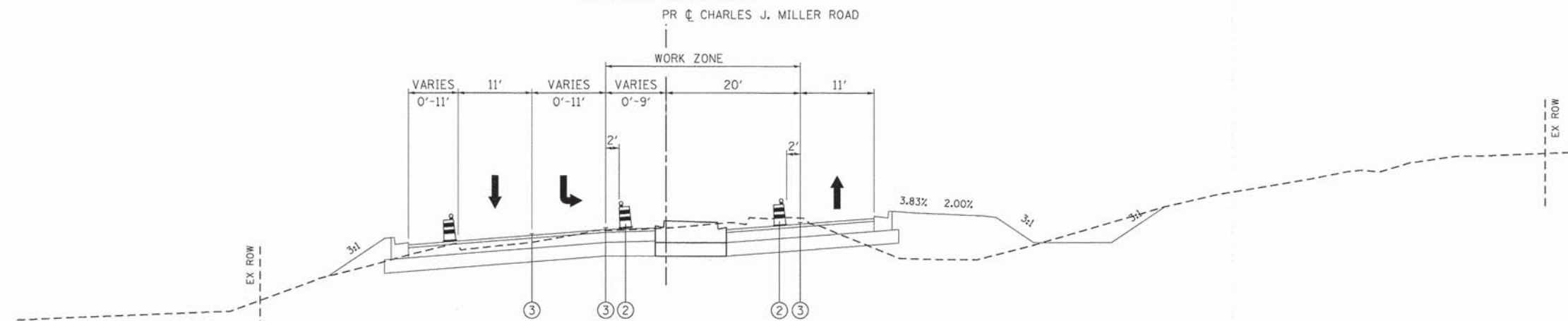
F.A.J.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	51
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63892	



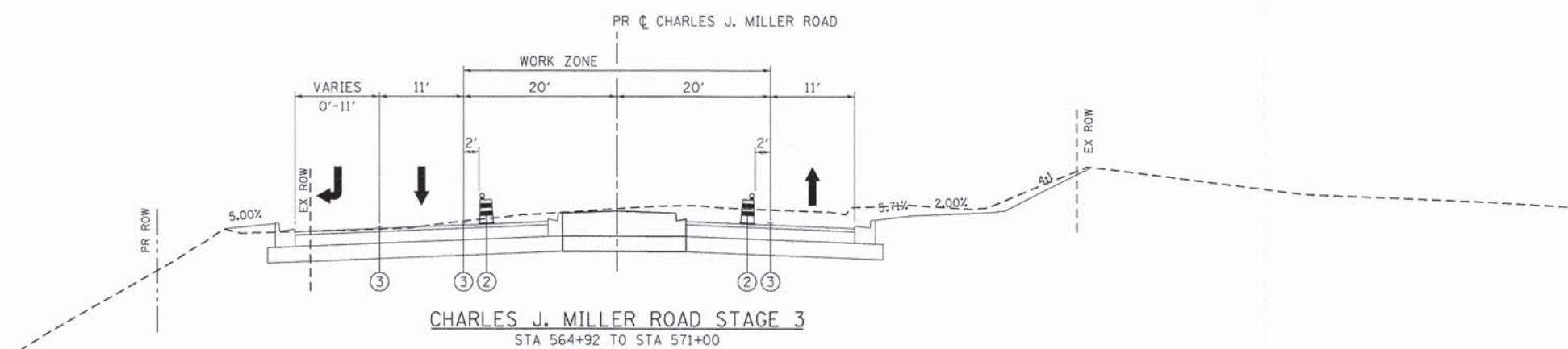
CHARLES J. MILLER ROAD STAGE 3
STA 539+70 TO STA 549+00



CHARLES J. MILLER ROAD STAGE 3
STA 549+00 TO STA 552+91



CHARLES J. MILLER ROAD STAGE 3
STA 552+91 TO STA 564+92



CHARLES J. MILLER ROAD STAGE 3
STA 564+92 TO STA 571+00

- LEGEND:**
- ① TEMPORARY PAVEMENT, 8" (SEE NOTE 2)
 - ② TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
 - ③ PAVEMENT MARKING (SEE NOTE 1)
 - ④ EXISTING PAVEMENT MARKING
 - ⑤ DOUBLE VERTICAL PANELS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
 - ⑥ TEMPORARY CONCRETE BARRIER (SEE NOTE 4)
 - ➔ DIRECTION OF TRAFFIC
 - ⊠ TEMPORARY PAVEMENT

- MAINTENANCE OF TRAFFIC NOTES:**
1. SEE MAINTENANCE OF TRAFFIC PLAN SHEETS FOR LOCATIONS AND TYPE OF PAVEMENT MARKING.
 2. SEE MAINTENANCE OF TRAFFIC PLAN SHEETS FOR TEMPORARY PAVEMENT CONSTRUCTION STAGING.
 3. THE CONTRACTOR HAS THE OPTION OF USING HMA OR PCC SECTION FOR TEMPORARY PAVEMENT.
 4. TEMPORARY CONCRETE BARRIER WALL SHALL BE PINNED WHEN A 3.5' CLEAR ZONE CANNOT BE PROVIDED FROM BEHIND THE WALL.

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 CLIENT: HRGreen.com
 DATE: 11/11/2014 10:52:08 AM
 FILE NAME: 090071-motgn-11.dgn
 PLOT DRIVER: pdfcvt
 PEN TABLE: standard-trans.tbl



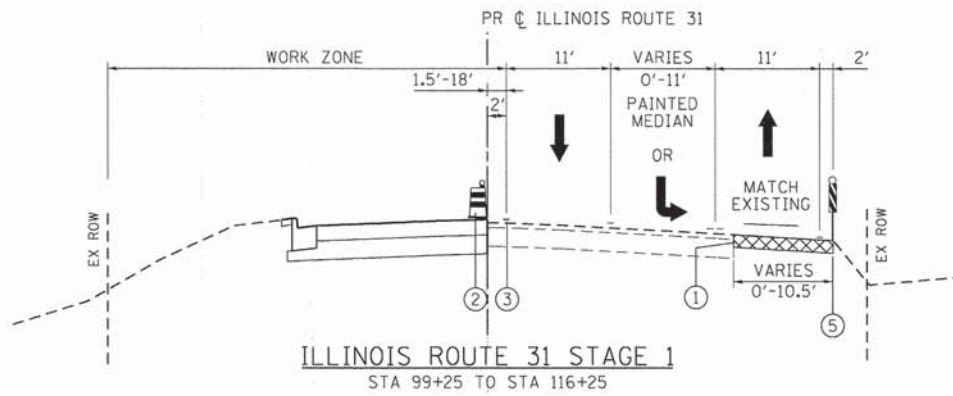
USER NAME = tye1ton	DESIGNED - JPA	REVISED -
FILE NAME = 090071-motgn-11.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = N.T.S.	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE - 11/12/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

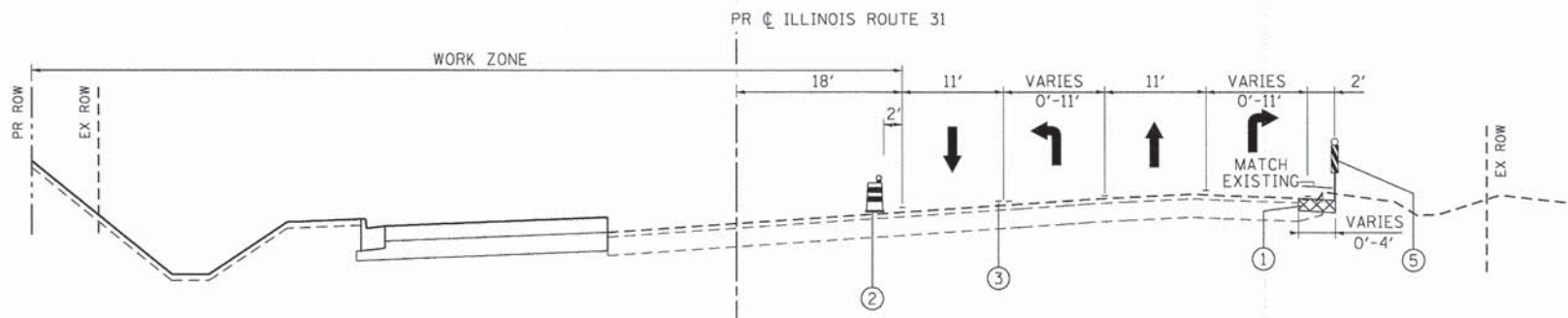
**SUGGESTED MAINTENANCE OF TRAFFIC - TYPICAL SECTIONS
CHARLES J. MILLER ROAD STAGE 3**

SCALE: N.T.S. SHEET NO. 9 OF 46 SHEETS STA. TO STA.

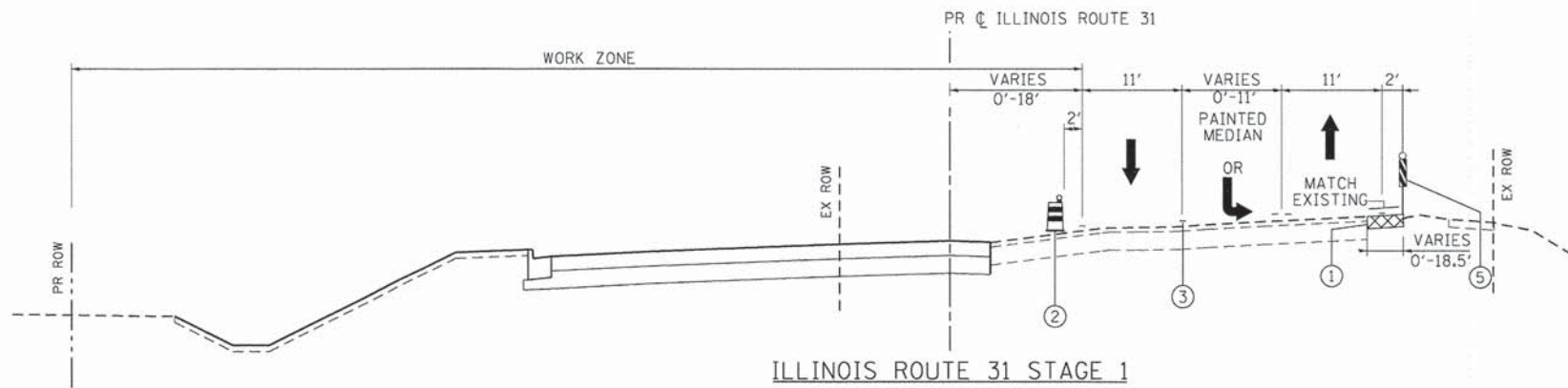
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	52
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63892	



ILLINOIS ROUTE 31 STAGE 1
STA 99+25 TO STA 116+25



ILLINOIS ROUTE 31 STAGE 1
STA 116+25 TO STA 121+50



ILLINOIS ROUTE 31 STAGE 1
STA 121+50 TO STA 136+76

- LEGEND:**
- ① TEMPORARY PAVEMENT, 8" (SEE NOTE 2)
 - ② TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
 - ③ PAVEMENT MARKING (SEE NOTE 1)
 - ④ EXISTING PAVEMENT MARKING
 - ⑤ DOUBLE VERTICAL PANELS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
 - ⑥ TEMPORARY CONCRETE BARRIER (SEE NOTE 4)
 - ➔ DIRECTION OF TRAFFIC
 - ▨ TEMPORARY PAVEMENT

- MAINTENANCE OF TRAFFIC NOTES:**
1. SEE MAINTENANCE OF TRAFFIC PLAN SHEETS FOR LOCATIONS AND TYPE OF PAVEMENT MARKING.
 2. SEE MAINTENANCE OF TRAFFIC PLAN SHEETS FOR TEMPORARY PAVEMENT CONSTRUCTION STAGING.
 3. THE CONTRACTOR HAS THE OPTION OF USING HMA OR PCC SECTION FOR TEMPORARY PAVEMENT.
 4. TEMPORARY CONCRETE BARRIER WALL SHALL BE PINNED WHEN A 3.5' CLEAR ZONE CANNOT BE PROVIDED FROM BEHIND THE WALL.

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 CLIENT: Illinois Professional Design Firm
 DATE PLOTTED: 11/11/2014 10:27:13 AM
 PLOT SCALE: N.T.S.
 PLOT DMSR: # 184-001322
 PEN TABLE: Standard-Trans.tbl



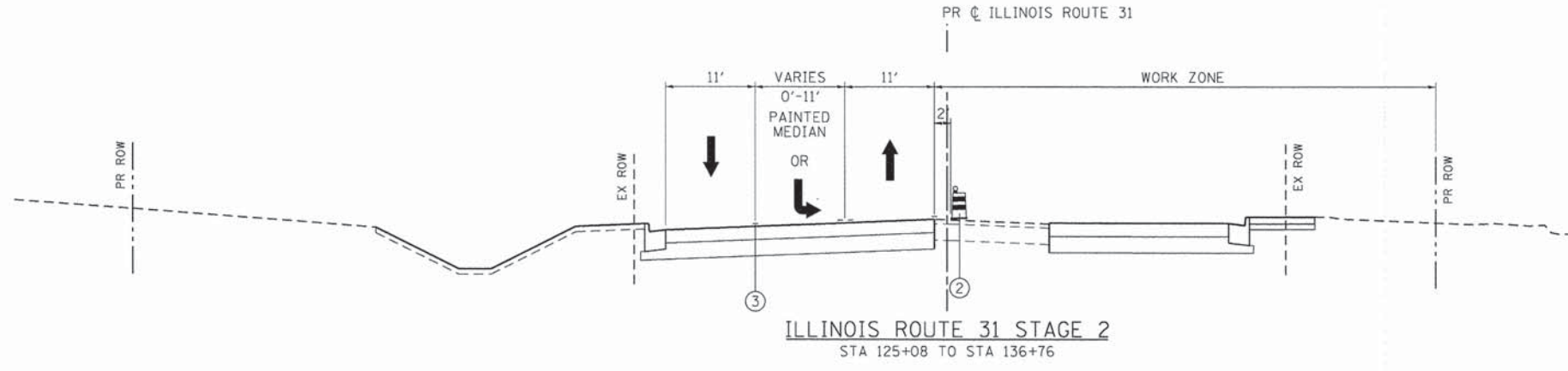
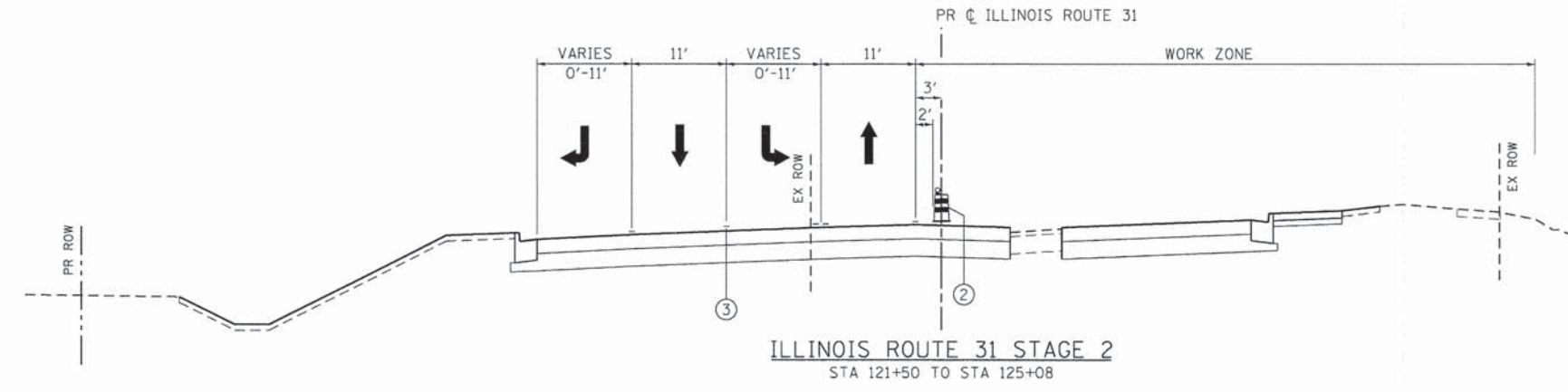
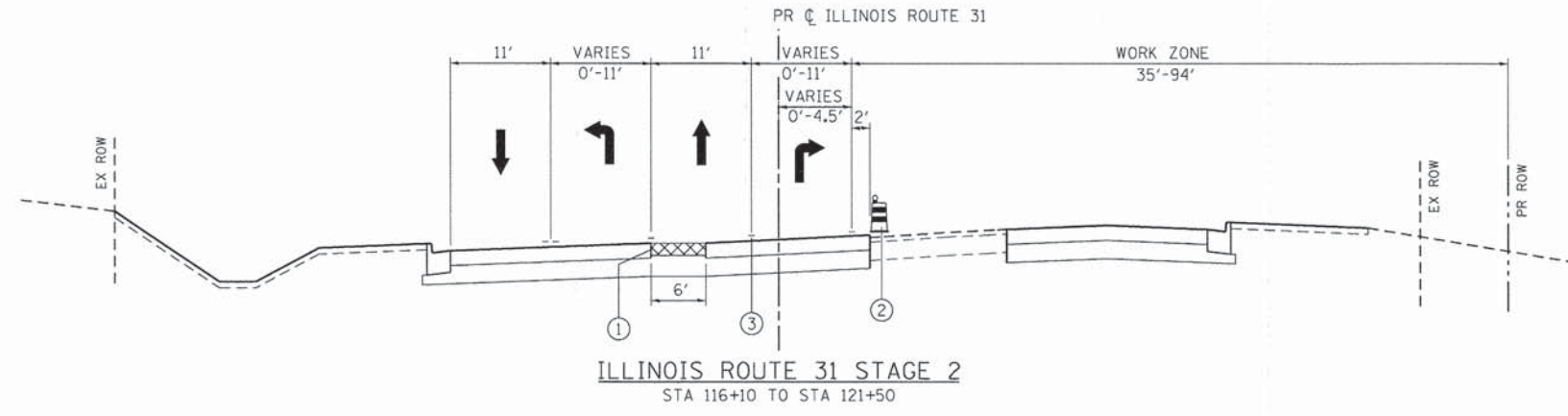
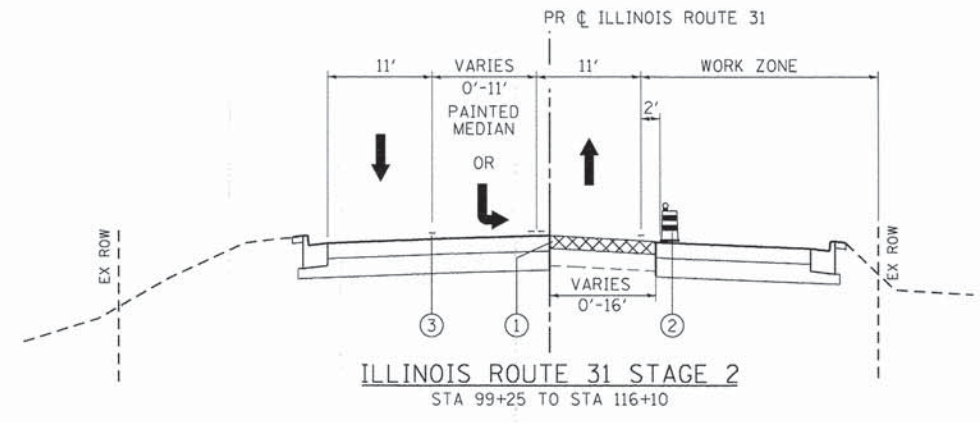
USER NAME = tyelton	DESIGNED - JPA	REVISED -
FILE NAME = 090071-motgn-12.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = N.T.S.	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE - 11/12/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC - TYPICAL SECTIONS
IL ROUTE 31 STAGE 1**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	53
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63892	

SCALE: N.T.S. SHEET NO. 10 OF 46 SHEETS STA. TO STA.



- LEGEND:**
- ① TEMPORARY PAVEMENT, 8" (SEE NOTE 2)
 - ② TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
 - ③ PAVEMENT MARKING (SEE NOTE 1)
 - ④ EXISTING PAVEMENT MARKING
 - ⑤ DOUBLE VERTICAL PANELS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
 - ⑥ TEMPORARY CONCRETE BARRIER (SEE NOTE 4)
 - ➔ DIRECTION OF TRAFFIC
 - ▨ TEMPORARY PAVEMENT

- MAINTENANCE OF TRAFFIC NOTES:**
1. SEE MAINTENANCE OF TRAFFIC PLAN SHEETS FOR LOCATIONS AND TYPE OF PAVEMENT MARKING.
 2. SEE MAINTENANCE OF TRAFFIC PLAN SHEETS FOR TEMPORARY PAVEMENT CONSTRUCTION STAGING.
 3. THE CONTRACTOR HAS THE OPTION OF USING HMA OR PCC SECTION FOR TEMPORARY PAVEMENT.
 4. TEMPORARY CONCRETE BARRIER WALL SHALL BE PINNED WHEN A 3.5' CLEAR ZONE CANNOT BE PROVIDED FROM BEHIND THE WALL.

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 11/11/2014 10:27:16 AM
 FILE PLOTTED: 09-00372-01-PW.dgn
 PLOT DEVICE: plot1.dwg
 PEN TABLE: standard-trans.tbl



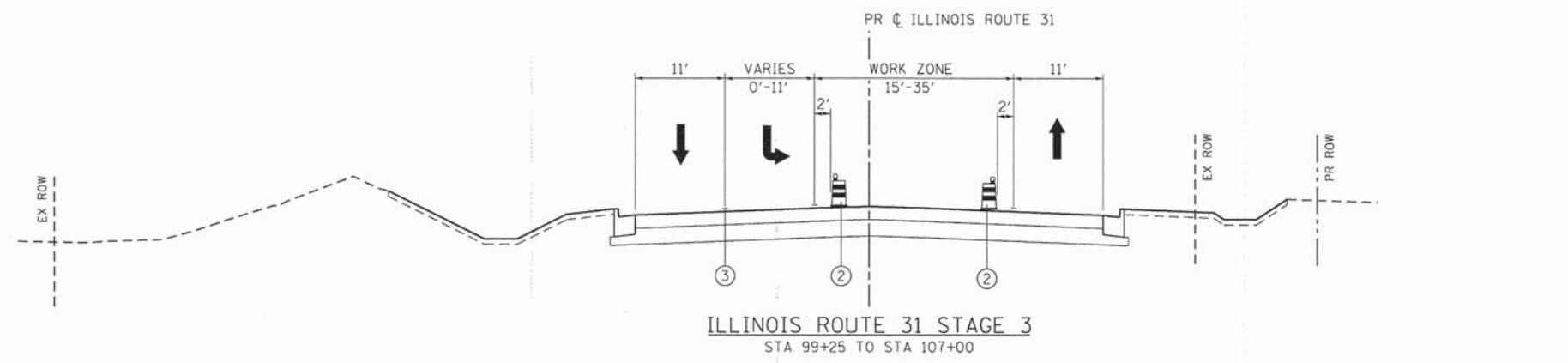
USER NAME = tye1son	DESIGNED - JPA	REVISED -
FILE NAME = 090071-motgn-13.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = N.T.S.	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE - 11/12/14	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

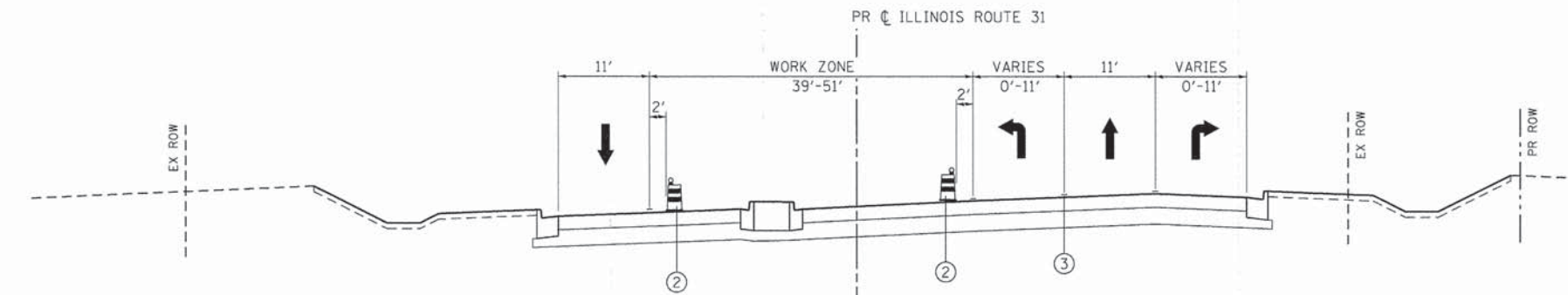
**SUGGESTED MAINTENANCE OF TRAFFIC - TYPICAL SECTIONS
 IL ROUTE 31 STAGE 2**

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	54
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63892	

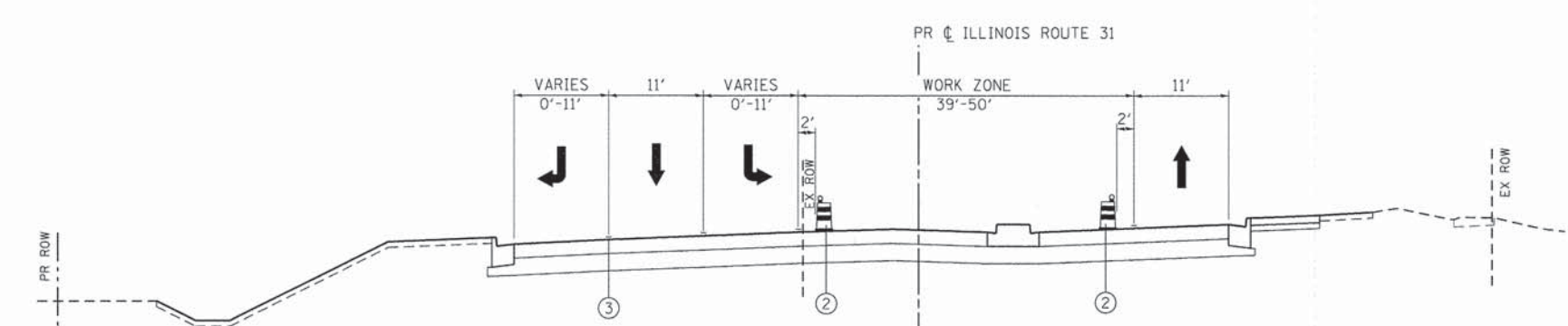
SCALE: N.T.S. SHEET NO. 11 OF 46 SHEETS STA. TO STA.



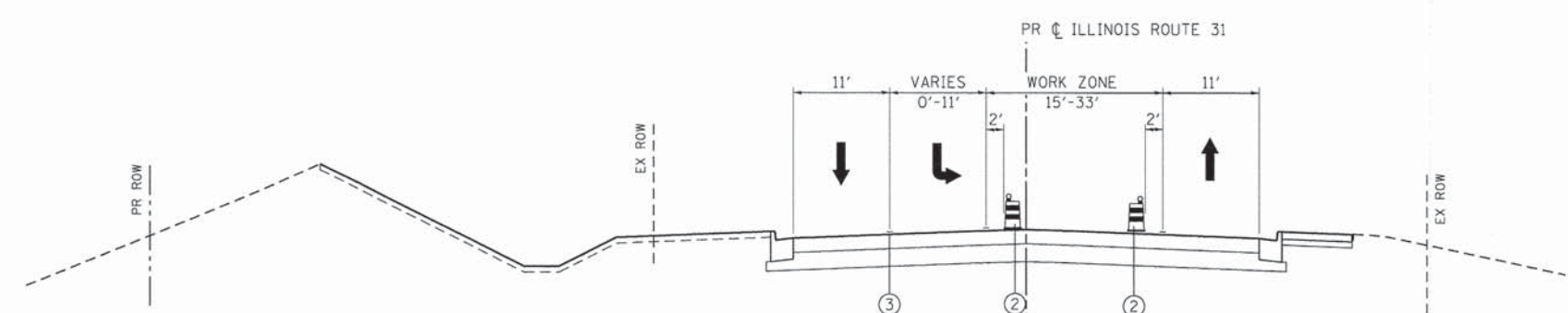
ILLINOIS ROUTE 31 STAGE 3
STA 99+25 TO STA 107+00



ILLINOIS ROUTE 31 STAGE 3
STA 107+00 TO STA 121+50



ILLINOIS ROUTE 31 STAGE 3
STA 121+50 TO STA 129+00



ILLINOIS ROUTE 31 STAGE 3
STA 129+00 TO STA 136+76

- LEGEND:**
- ① TEMPORARY PAVEMENT, 8" (SEE NOTE 2)
 - ② TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
 - ③ PAVEMENT MARKING (SEE NOTE 1)
 - ④ EXISTING PAVEMENT MARKING
 - ⑤ DOUBLE VERTICAL PANELS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
 - ⑥ TEMPORARY CONCRETE BARRIER (SEE NOTE 4)
 - ➔ DIRECTION OF TRAFFIC
 - ⊠ TEMPORARY PAVEMENT

- MAINTENANCE OF TRAFFIC NOTES:**
1. SEE MAINTENANCE OF TRAFFIC PLAN SHEETS FOR LOCATIONS AND TYPE OF PAVEMENT MARKING.
 2. SEE MAINTENANCE OF TRAFFIC PLAN SHEETS FOR TEMPORARY PAVEMENT CONSTRUCTION STAGING.
 3. THE CONTRACTOR HAS THE OPTION OF USING HMA OR PCC SECTION FOR TEMPORARY PAVEMENT.
 4. TEMPORARY CONCRETE BARRIER WALL SHALL BE PINNED WHEN A 3.5' CLEAR ZONE CANNOT BE PROVIDED FROM BEHIND THE WALL.

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION
 FILE NAME: 090071-motgn-14.dgn
 PLOT DRIVER: pdt.dwt
 PEN TABLE: standard-trans.tbl



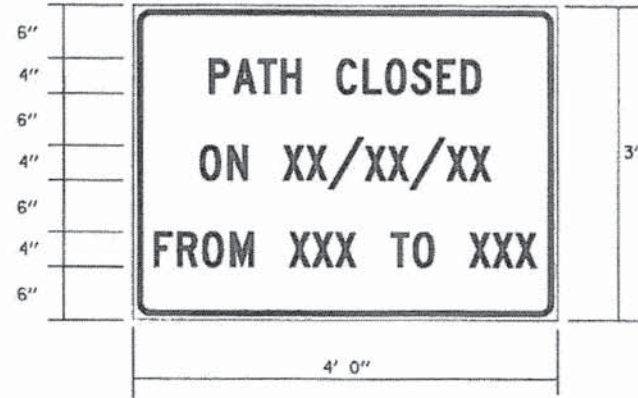
USER NAME = tgelton	DESIGNED - JPA	REVISED -
FILE NAME = 090071-motgn-14.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = N.T.S.	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE = 11/12/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC - TYPICAL SECTIONS
IL ROUTE 31 STAGE 3

SCALE: N.T.S. SHEET NO. 12 OF 46 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	55
			CONTRACT NO. 63892	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



BIKE PATH TEMPORARY INFORMATION SIGNING

NOTE:
ABOVE SIGN SHALL BE BLACK ON ORANGE
REFLECTIVE BACKGROUND



①

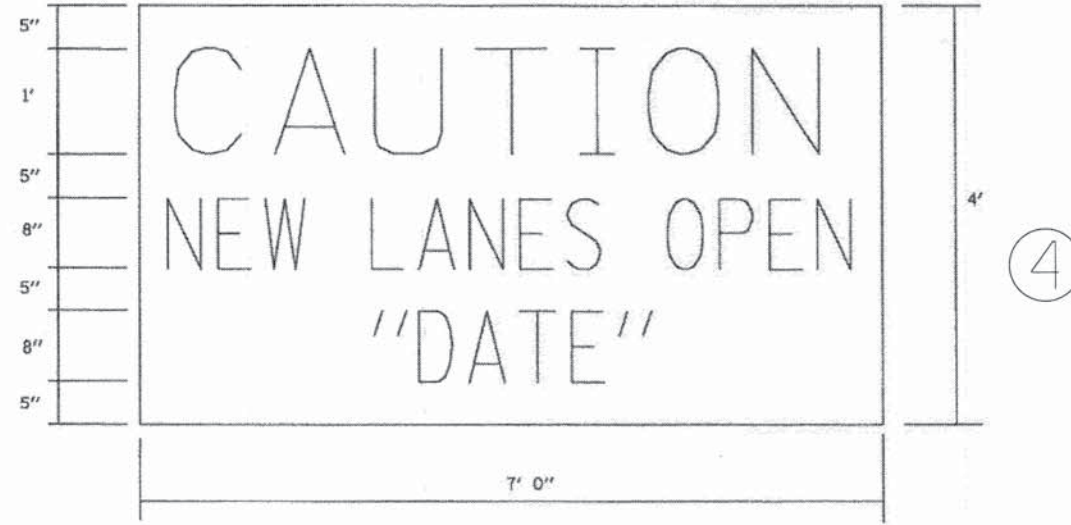
② TO BE USED ONLY
AT SIGNALIZED
INTERSECTIONS



③

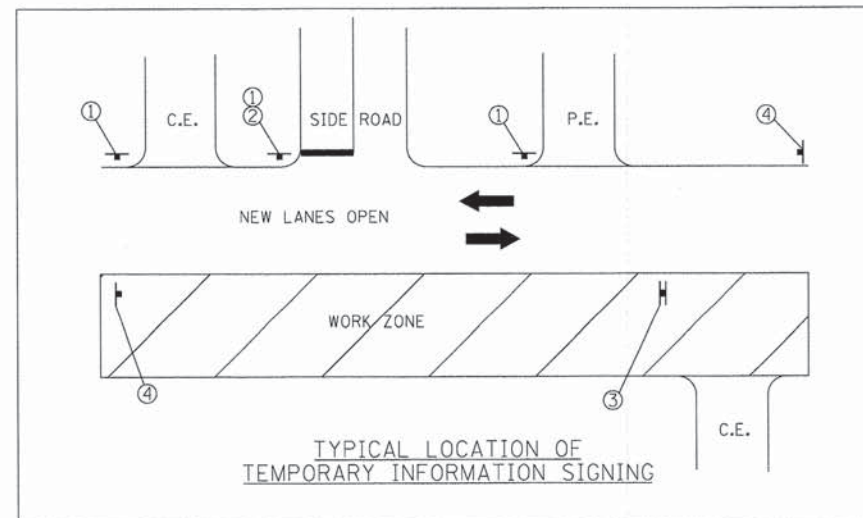
AT COMMERCIAL ENTRANCES

NOTE:
SEE DISTRICT ONE DETAIL TC-26



AT ENDS OF PROJECT

NOTE:
ABOVE SIGN SHALL BE BLACK ON ORANGE
REFLECTIVE BACKGROUND



NOTE:
ALL SIGNS ON THIS SHEET ARE TO BE PAID FOR AS
"TEMPORARY INFORMATION SIGNING".

COMPANY NAME: HRGreen.com
PROJECT CONTACT: 11/11/2014 10:27:23 AM
CLIENT: 090071-motgn-16.dgn
DATE PLOTTED: 11/11/2014 10:27:23 AM
FILE NAME: 090071-motgn-16.dgn
PLOT DRIVER: pdf.plt
PEN TABLE: standard-trans.tbl



USER NAME = tyelton	DESIGNED - JPA	REVISED -
FILE NAME = 090071-motgn-16.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = N.T.S.	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE - 11/12/14	REVISED -

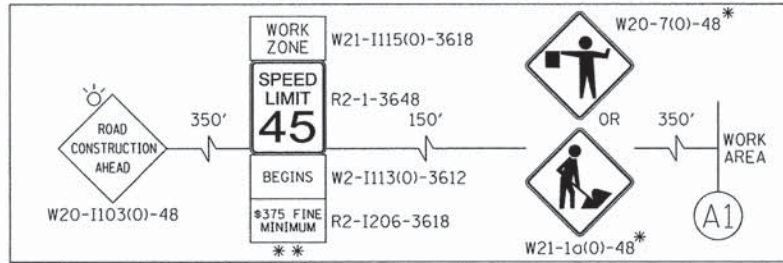
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC - TEMPORARY SIGNING DETAIL
MILLER ROAD ROADWAY IMPROVEMENTS**

SCALE: N.T.S. SHEET NO. 13 OF 46 SHEETS STA. TO STA.

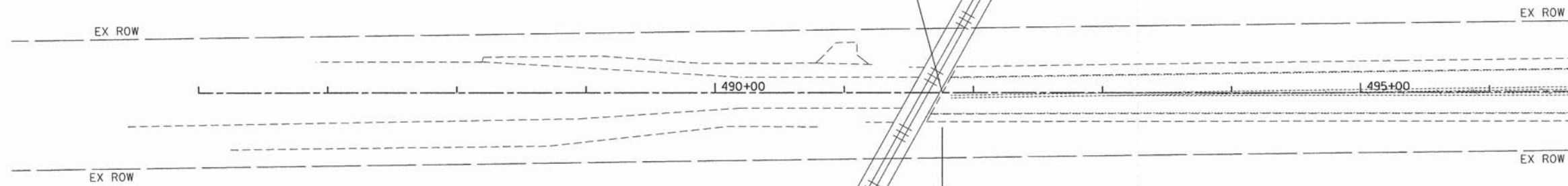
F.A.U. RTE. 3860	SECTION 09-00372-01-PW	COUNTY MCHENRY	TOTAL SHEETS 358	SHEET NO. 56
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63892	

ADVANCED SIGNING DETAIL



**PROJECT BEGINS
STA 491+76**

**UNION PACIFIC
RAILROAD**



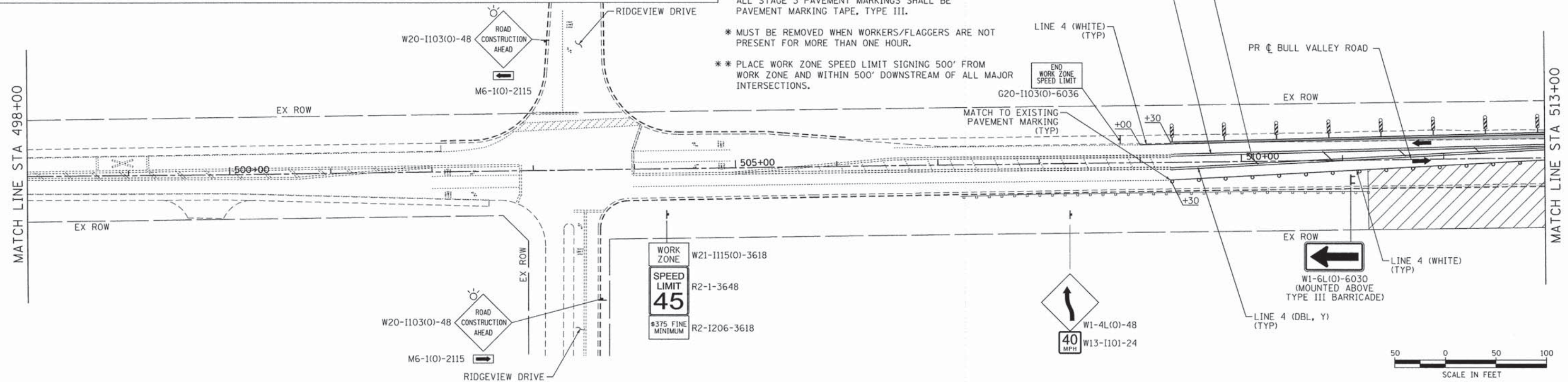
MATCH LINE STA 498+00

LEGEND:

- TEMPORARY PAVEMENT
- WORK ZONE
- DIRECTION OF TRAFFIC
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- DOUBLE VERTICAL PANEL WITH STEADY BURNING BI-DIRECTIONAL LIGHT @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TYPE III BARRICADES WITH FLASHING LIGHTS
- TEMPORARY CONCRETE BARRIER

NOTES:

- FOR PAVEMENT MARKING DETAILS, SEE IDOT DISTRICT 1 DETAIL TC-13.
- ALL STAGE 1 PAVEMENT MARKINGS SHALL BE TEMPORARY PAVEMENT MARKING.
- ALL STAGE 2 PAVEMENT MARKINGS ON HMA SHALL BE THERMOPLASTIC AND TEMPORARY PAVEMENT MARKING ON PCC.
- ALL STAGE 3 PAVEMENT MARKINGS SHALL BE PAVEMENT MARKING TAPE, TYPE III.
- * MUST BE REMOVED WHEN WORKERS/FLAGGERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.
- ** PLACE WORK ZONE SPEED LIMIT SIGNING 500' FROM WORK ZONE AND WITHIN 500' DOWNSTREAM OF ALL MAJOR INTERSECTIONS.



MATCH LINE STA 498+00

MATCH LINE STA 513+00

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen
 DATE PLOTTED: 12/4/2014 9:05:20 AM
 FILE NAME: 090071-m011-01.dgn
 PLOT DRIVER: pdfplot
 PEN TABLE: standard-trans.tbl

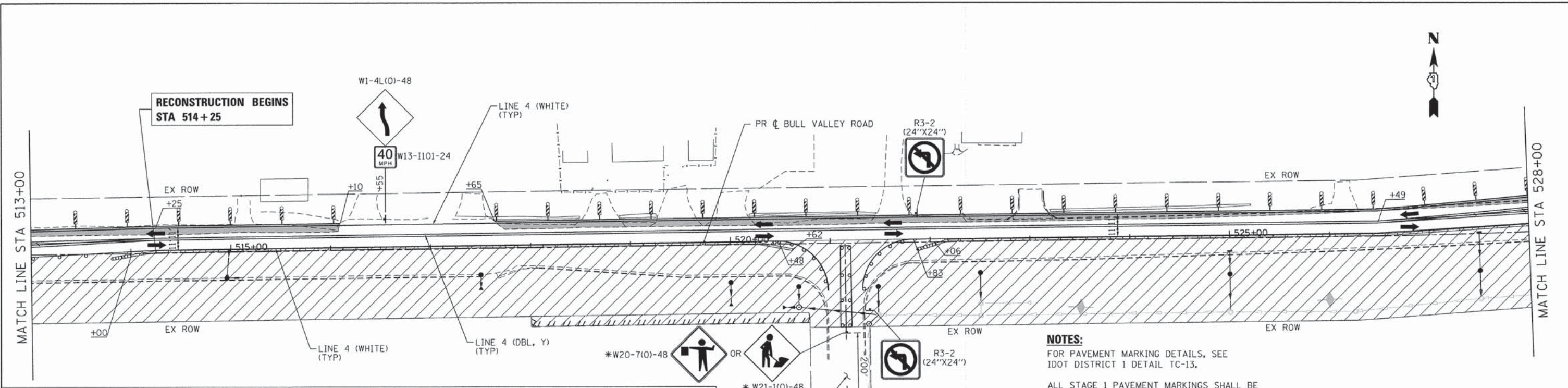
HRGreen.com
 Illinois Professional Design Firm
 # 184-001322

USER NAME = tje1son	DESIGNED - JPA	REVISED -
FILE NAME = 090071-m011-01.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - JLP	REVISED -
PLOT DATE = 12/4/2014	DATE - 12/5/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 1	
BULL VALLEY ROAD	
SCALE: 1" = 50'	SHEET NO. 14 OF 46 SHEETS
STA. _____	TO STA. _____

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	57
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63892	



LEGEND:

- TEMPORARY PAVEMENT
- WORK ZONE
- DIRECTION OF TRAFFIC
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- DOUBLE VERTICAL PANEL WITH STEADY BURNING BI-DIRECTIONAL LIGHT @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TYPE III BARRICADES WITH FLASHING LIGHTS
- TEMPORARY CONCRETE BARRIER

NOTES:

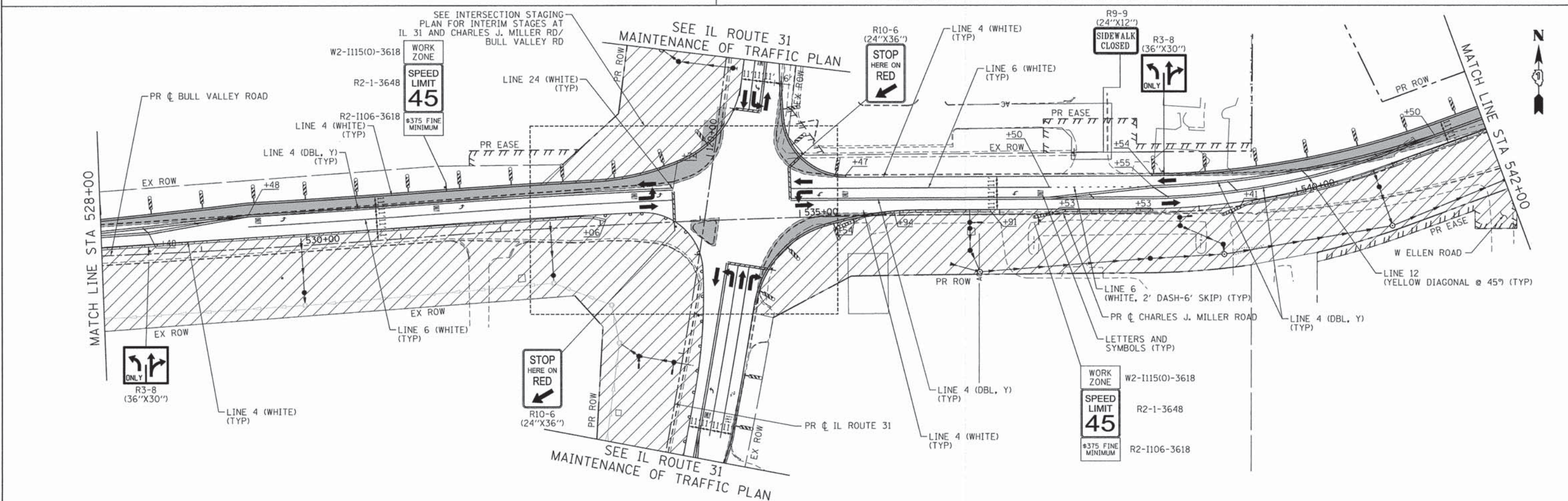
FOR PAVEMENT MARKING DETAILS, SEE IDOT DISTRICT 1 DETAIL TC-13.

ALL STAGE 1 PAVEMENT MARKINGS SHALL BE TEMPORARY PAVEMENT MARKING.

ALL STAGE 2 PAVEMENT MARKINGS ON HMA SHALL BE THERMOPLASTIC AND TEMPORARY PAVEMENT MARKING ON PCC.

ALL STAGE 3 PAVEMENT MARKINGS SHALL BE PAVEMENT MARKING TAPE, TYPE III.

* MUST BE REMOVED WHEN WORKERS/FLAGGERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.



COMPANY NAME: PROJECT CONTACT: DATE PLOTTED: PLOT DRIVER: PEN TABLE:	HRGreen.com Illinois Professional Design Firm # 184-001322	USER NAME = tyeilton FILE NAME = 090071-motl-02.dgn PLOT SCALE = 1" = 50' PLOT DATE = 12/4/2014	DESIGNED - JPA DRAWN - SVJ CHECKED - JLP DATE - 12/5/14	REVISED - REVISED - REVISED - REVISED -
--	--	--	--	--

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

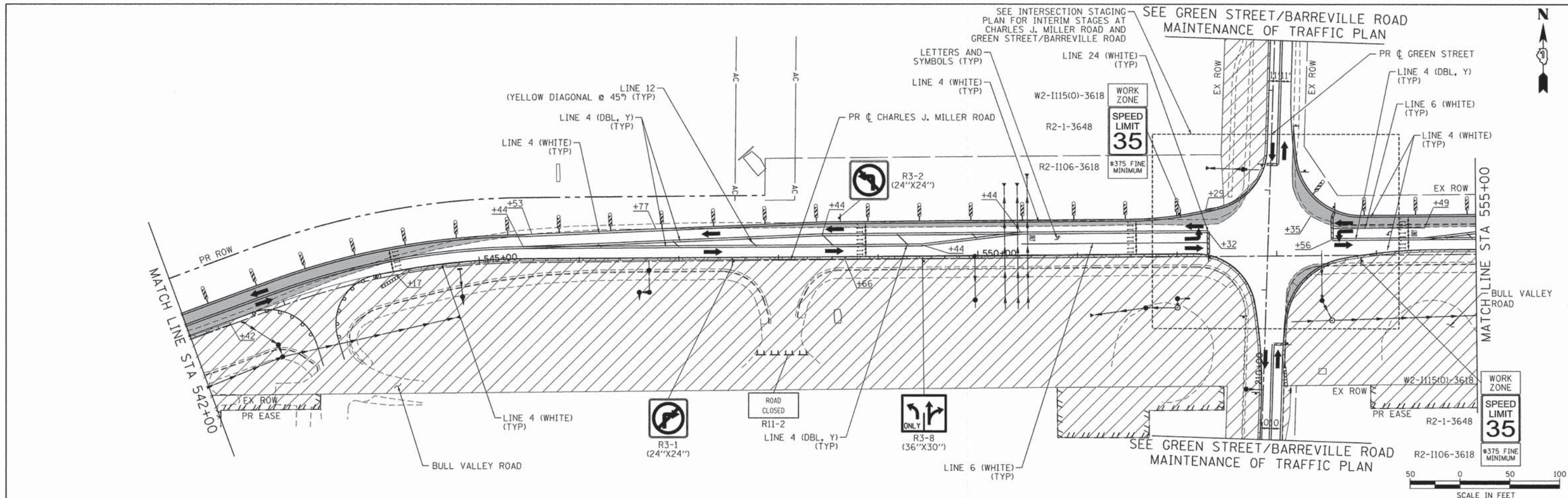
**SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 1
BULL VALLEY/CHARLES J. MILLER ROAD**

SCALE: 1" = 50' SHEET NO. 15 OF 46 SHEETS STA. TO STA.

F.A.U. RTE. 3860	SECTION 09-00372-01-PW	COUNTY MCHENRY	TOTAL SHEETS 358	SHEET NO. 58
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 63892		

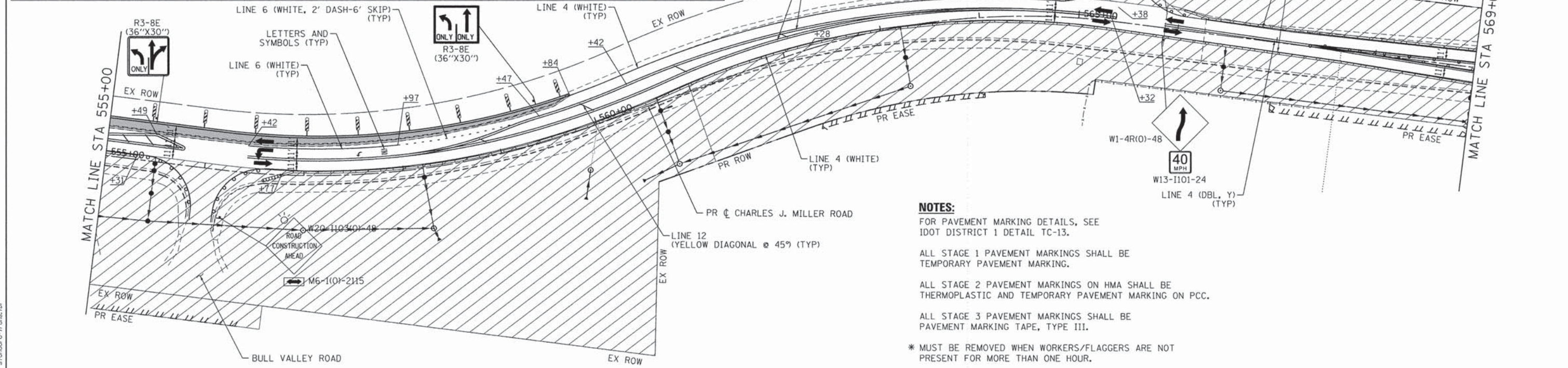
12/4/2014 9:05:29 AM
090071-motl-02.dgn
per/gph
s:\fordard-trans.tbl





LEGEND:

TEMPORARY PAVEMENT	TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII	DOUBLE VERTICAL PANEL WITH STEADY BURNING BI-DIRECTIONAL LIGHT @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
WORK ZONE	TEMPORARY CONCRETE BARRIER	TYPE III BARRICADES WITH FLASHING LIGHTS
DIRECTION OF TRAFFIC		
IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3		



NOTES:
 FOR PAVEMENT MARKING DETAILS, SEE IDOT DISTRICT 1 DETAIL TC-13.
 ALL STAGE 1 PAVEMENT MARKINGS SHALL BE TEMPORARY PAVEMENT MARKING.
 ALL STAGE 2 PAVEMENT MARKINGS ON HMA SHALL BE THERMOPLASTIC AND TEMPORARY PAVEMENT MARKING ON PCC.
 ALL STAGE 3 PAVEMENT MARKINGS SHALL BE PAVEMENT MARKING TAPE, TYPE III.
 * MUST BE REMOVED WHEN WORKERS/FLAGGERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen
 CLIENT: HRGreen
 DATE PLOTTED: 12/4/2014 9:05:37 AM
 FILE NAME: 090071-mo11-03.dgn
 PLOT DRIVER: pdfplot
 PEN TABLE: standard-trans.tbl

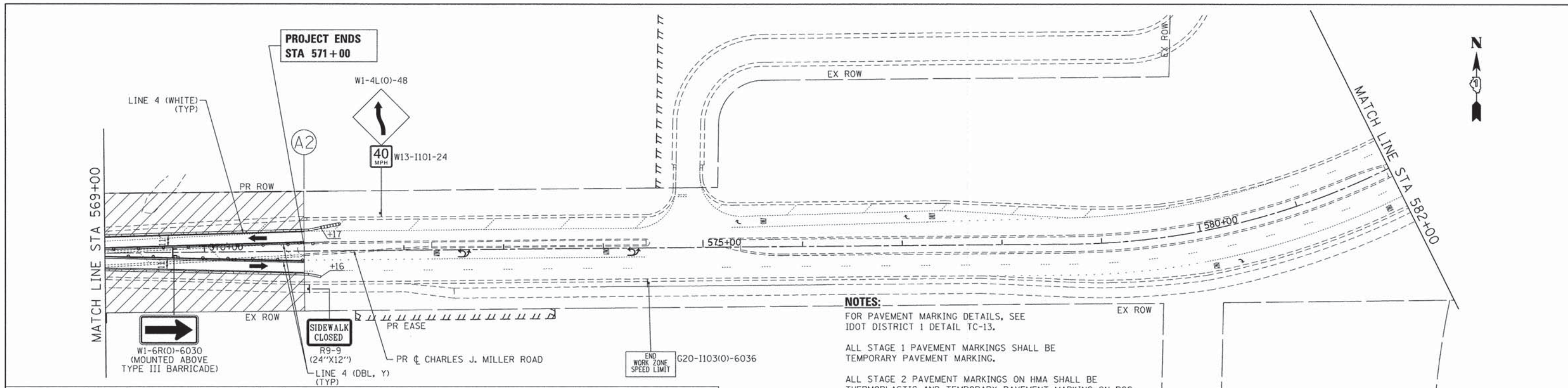
HRGreen.com Illinois Professional Design Firm #194-001322	USER NAME = sjelton	DESIGNED - JPA	REVISED -
	FILE NAME = 090071-mo11-03.dgn	DRAWN - SVJ	REVISED -
	PLOT SCALE = 1" = 50'	CHECKED - JLP	REVISED -
	PLOT DATE = 12/4/2014	DATE - 12/5/14	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 1
 CHARLES J. MILLER ROAD**

SCALE: 1" = 50' SHEET NO. 16 OF 46 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	59
CONTRACT NO. 63892				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



LEGEND:

TEMPORARY PAVEMENT	TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII	DOUBLE VERTICAL PANEL WITH STEADY BURNING BI-DIRECTIONAL LIGHT @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
WORK ZONE	TEMPORARY CONCRETE BARRIER	TYPE III BARRICADES WITH FLASHING LIGHTS
DIRECTION OF TRAFFIC		
IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3		

NOTES:

FOR PAVEMENT MARKING DETAILS, SEE IDOT DISTRICT 1 DETAIL TC-13.

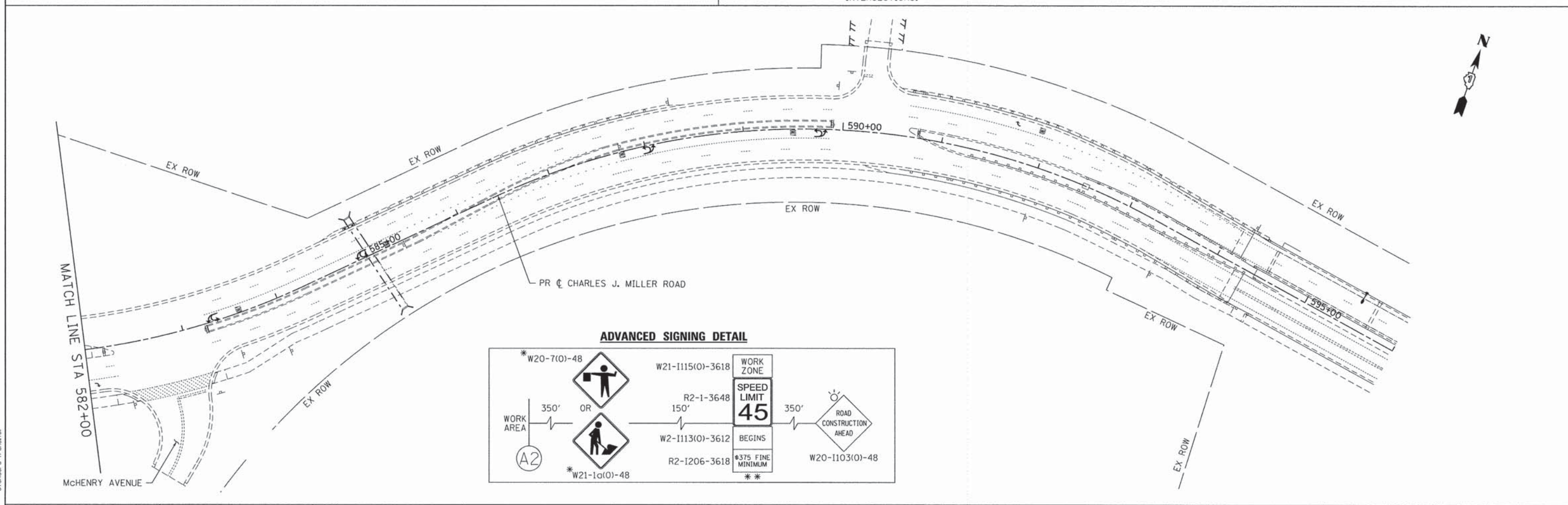
ALL STAGE 1 PAVEMENT MARKINGS SHALL BE TEMPORARY PAVEMENT MARKING.

ALL STAGE 2 PAVEMENT MARKINGS ON HMA SHALL BE THERMOPLASTIC AND TEMPORARY PAVEMENT MARKING ON PCC.

ALL STAGE 3 PAVEMENT MARKINGS SHALL BE PAVEMENT MARKING TAPE, TYPE III.

* MUST BE REMOVED WHEN WORKERS/FLAGGERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.

** PLACE WORK ZONE SPEED LIMIT SIGNING 500' FROM WORK ZONE AND WITHIN 500' DOWNSTREAM OF ALL MAJOR INTERSECTIONS.



COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm
 CLIENT: #184-001322
 DATE PLOTTED: 12/4/2014 9:05:45 AM
 FILE NAME: 090071-motl-04.dgn
 PLOT DRIVER: pdfplot
 PEN TABLE: standard-trans.tbl

HRGreen.com	USER NAME = tje1ton	DESIGNED - JPA	REVISED -
Illinois Professional Design Firm	FILE NAME = 090071-motl-04.dgn	DRAWN - SVJ	REVISED -
#184-001322	PLOT SCALE = 1" = 50'	CHECKED - JLP	REVISED -
	PLOT DATE = 12/4/2014	DATE - 12/5/14	REVISED -

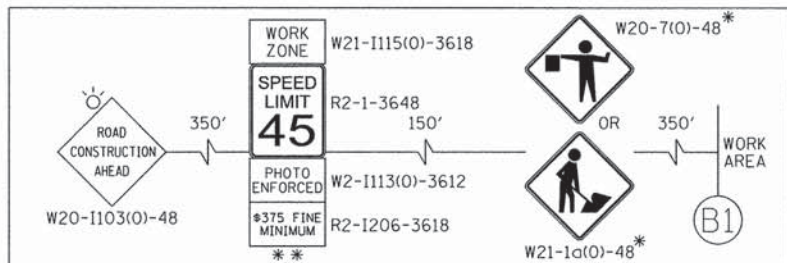
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC – STAGE 1
CHARLES J. MILLER ROAD**

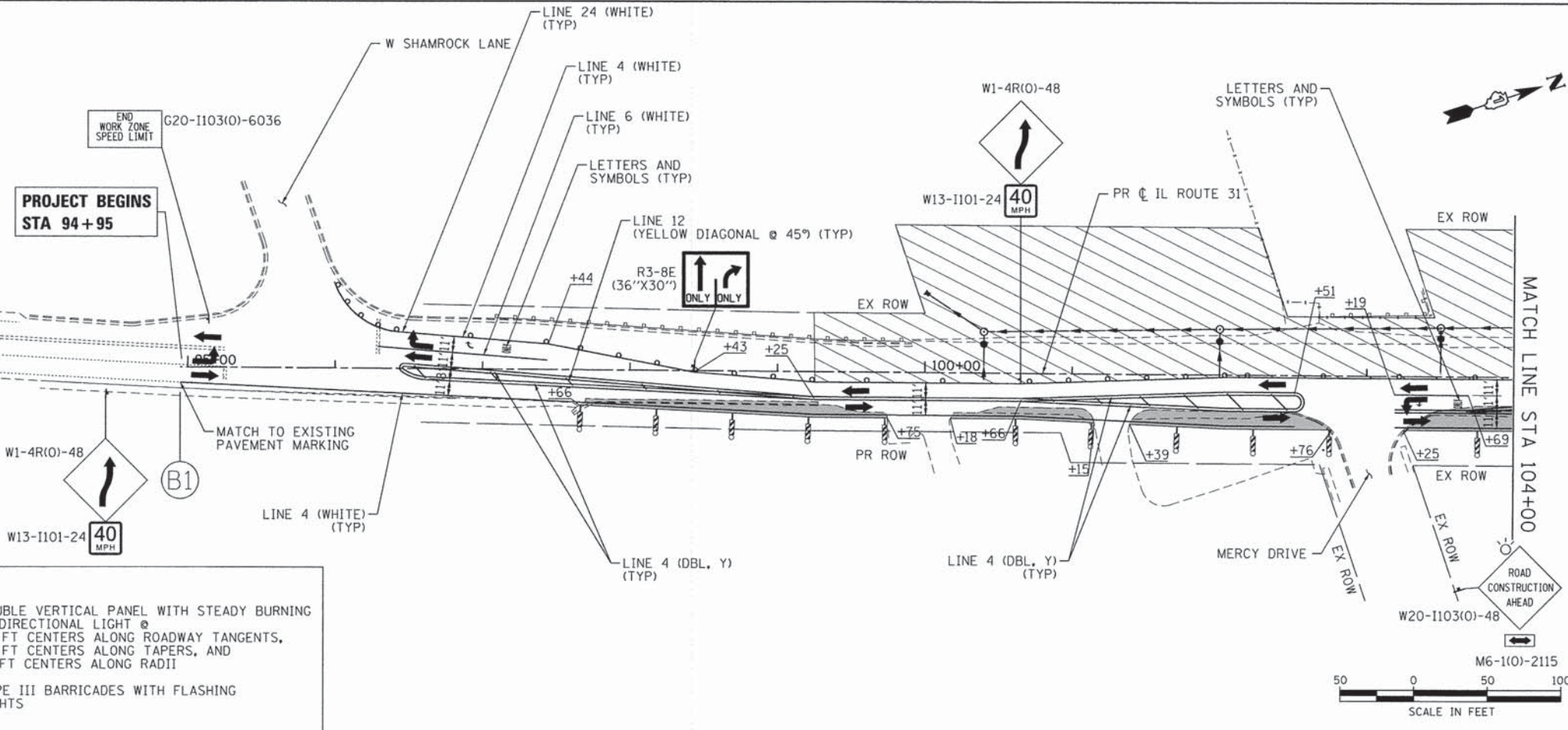
SCALE: 1" = 50' SHEET NO. 17 OF 46 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	60
CONTRACT NO. 63892				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

ADVANCED SIGNING DETAIL



**PROJECT BEGINS
STA 94+95**

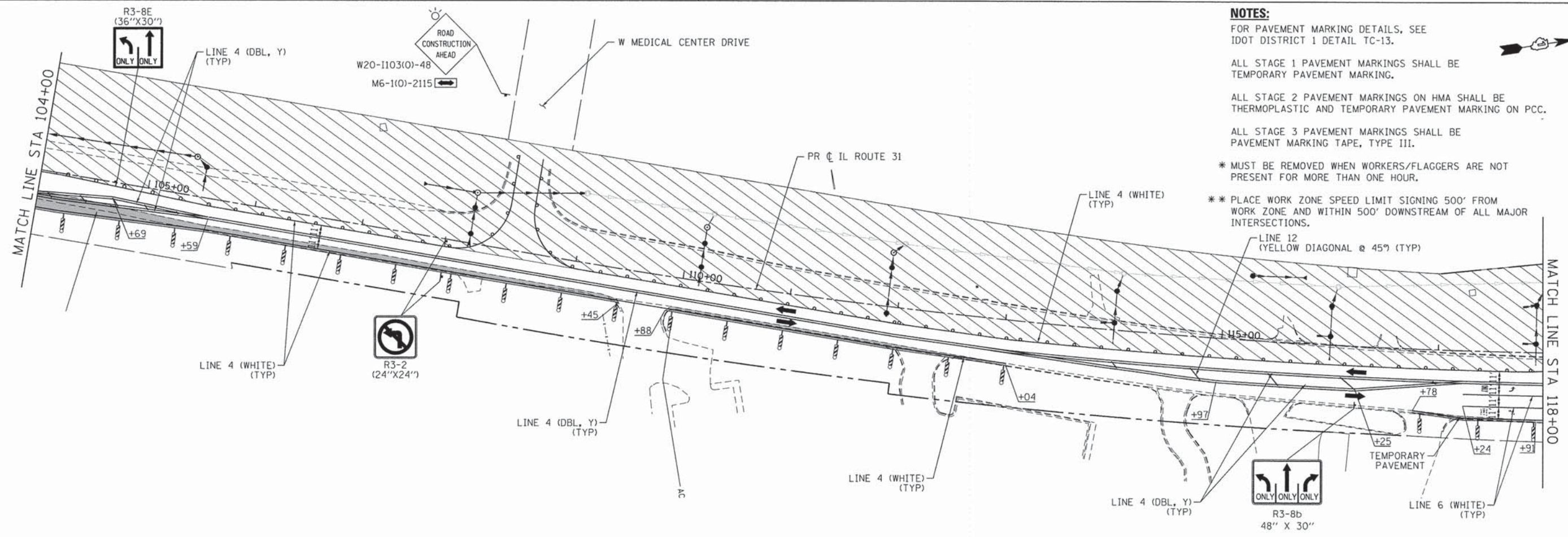


LEGEND:

- TEMPORARY PAVEMENT
- WORK ZONE
- DIRECTION OF TRAFFIC
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- TYPE III BARRICADES WITH FLASHING LIGHTS
- DOUBLE VERTICAL PANEL WITH STEADY BURNING BI-DIRECTIONAL LIGHT @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII

NOTES:

- FOR PAVEMENT MARKING DETAILS, SEE IDOT DISTRICT 1 DETAIL TC-13.
- ALL STAGE 1 PAVEMENT MARKINGS SHALL BE TEMPORARY PAVEMENT MARKING.
- ALL STAGE 2 PAVEMENT MARKINGS ON HMA SHALL BE THERMOPLASTIC AND TEMPORARY PAVEMENT MARKING ON PCC.
- ALL STAGE 3 PAVEMENT MARKINGS SHALL BE PAVEMENT MARKING TAPE, TYPE III.
- * MUST BE REMOVED WHEN WORKERS/FLAGGERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.
- ** PLACE WORK ZONE SPEED LIMIT SIGNING 500' FROM WORK ZONE AND WITHIN 500' DOWNSTREAM OF ALL MAJOR INTERSECTIONS.



COMPANY NAME: HRGreen
 PROJECT CONTACT: JPA
 CLIENT: STATE OF ILLINOIS
 DATE PLOTTED: 12/4/2014 9:05:54 AM
 FILE NAME: 090071-mot1-06.dgn
 PLOT DRIVER: pdfLofr
 PEN TABLE: s fender-d-trans.tbl



USER NAME = tjelton	DESIGNED - JPA	REVISED -
FILE NAME = 090071-mot1-06.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - JLP	REVISED -
PLOT DATE = 12/4/2014	DATE - 12/5/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 1
IL ROUTE 31**

SCALE: 1" = 50' SHEET NO. 18 OF 46 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	61
CONTRACT NO. 63892			ILLINOIS FED. AID PROJECT	

SEE BULL VALLEY ROAD/CHARLES J. MILLER ROAD MAINTENANCE OF TRAFFIC

NOTES:

FOR PAVEMENT MARKING DETAILS, SEE IDOT DISTRICT 1 DETAIL TC-13.

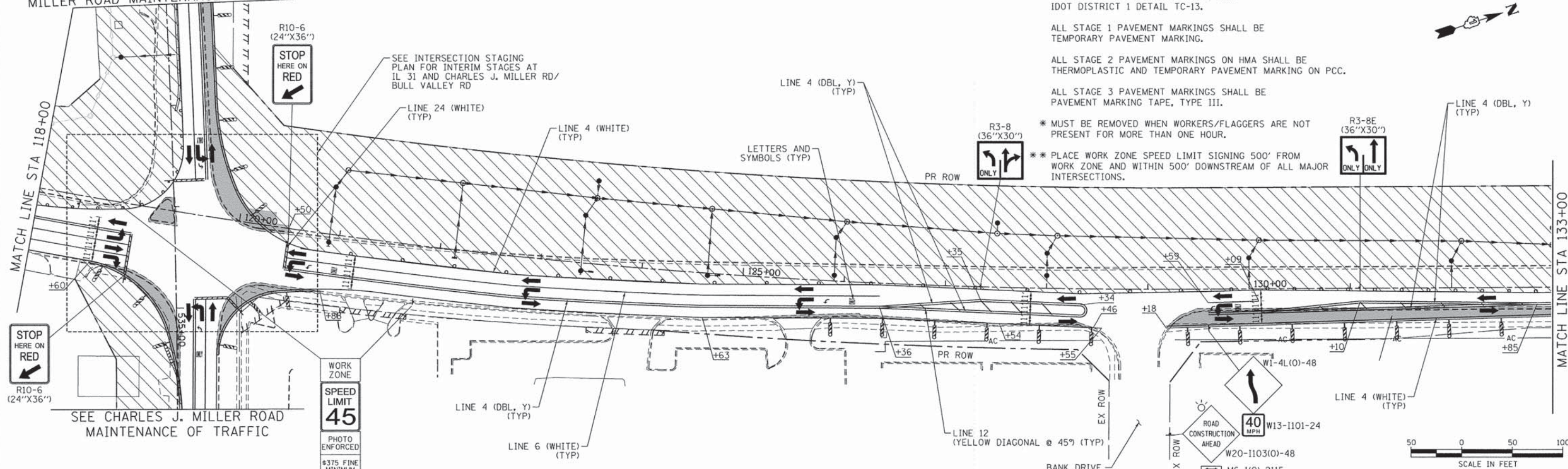
ALL STAGE 1 PAVEMENT MARKINGS SHALL BE TEMPORARY PAVEMENT MARKING.

ALL STAGE 2 PAVEMENT MARKINGS ON HMA SHALL BE THERMOPLASTIC AND TEMPORARY PAVEMENT MARKING ON PCC.

ALL STAGE 3 PAVEMENT MARKINGS SHALL BE PAVEMENT MARKING TAPE, TYPE III.

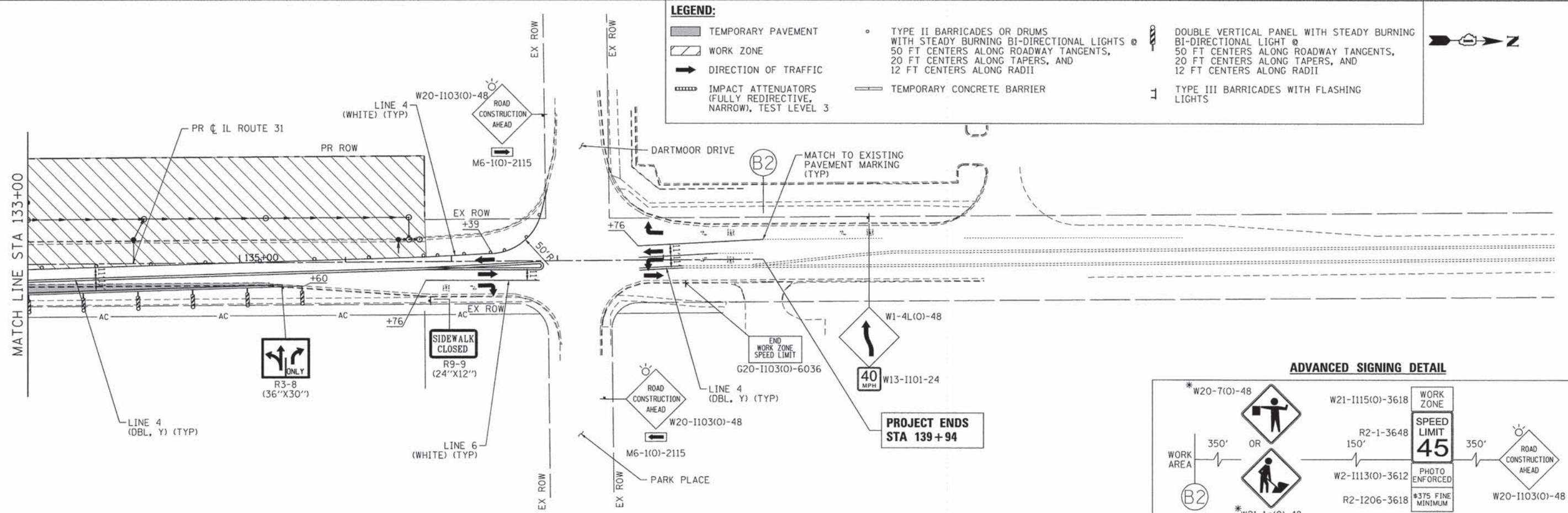
* MUST BE REMOVED WHEN WORKERS/FLAGGERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.

** PLACE WORK ZONE SPEED LIMIT SIGNING 500' FROM WORK ZONE AND WITHIN 500' DOWNSTREAM OF ALL MAJOR INTERSECTIONS.

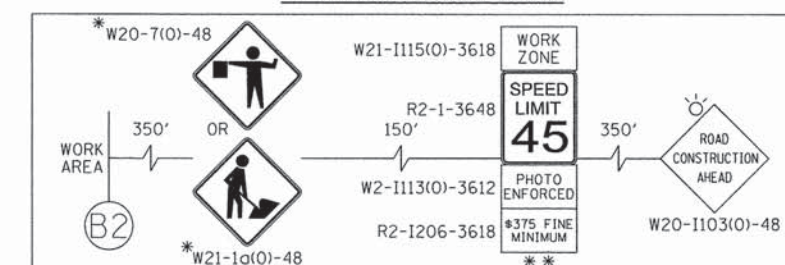


LEGEND:

- TEMPORARY PAVEMENT
- WORK ZONE
- DIRECTION OF TRAFFIC
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- DOUBLE VERTICAL PANEL WITH STEADY BURNING BI-DIRECTIONAL LIGHT @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TYPE III BARRICADES WITH FLASHING LIGHTS
- TEMPORARY CONCRETE BARRIER



ADVANCED SIGNING DETAIL



COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 CLIENT: Illinois Professional Design Firm
 DATE PLOTTED: 12/4/2014 9:06:02 AM
 FILE NAME: 090071-mo11-07.dgn
 PLOT DRIVER: pdfLdt
 PEN TABLE: standard-trans.tbl

HRGreen
 HRGreen.com
 Illinois Professional Design Firm
 #184-001322

USER NAME = tjelton	DESIGNED - JPA	REVISED -
FILE NAME = 090071-mo11-07.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - JLP	REVISED -
PLOT DATE = 12/4/2014	DATE - 12/5/14	REVISED -

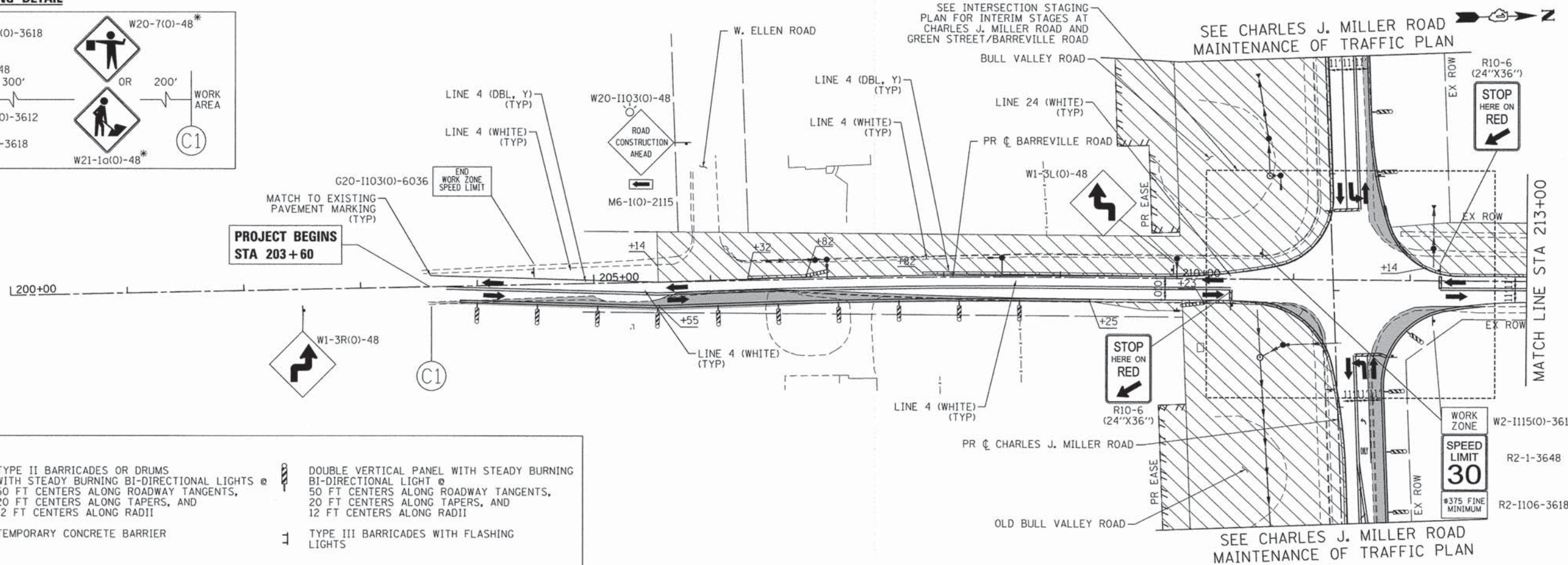
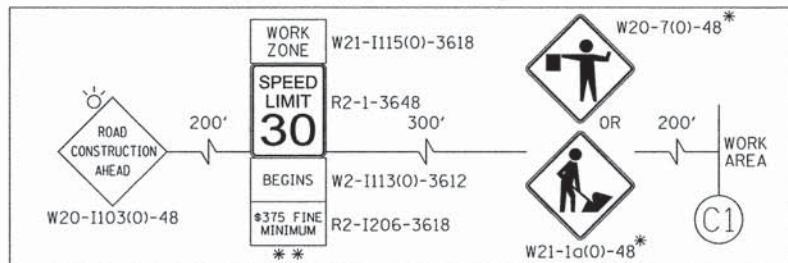
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 1
 IL ROUTE 31**

SCALE: 1" = 50' SHEET NO. 19 OF 46 SHEETS STA. TO STA.

F.A.U. RTE. 3860	SECTION 09-00372-01-PW	COUNTY MCHENRY	TOTAL SHEETS 358	SHEET NO. 62
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63892	

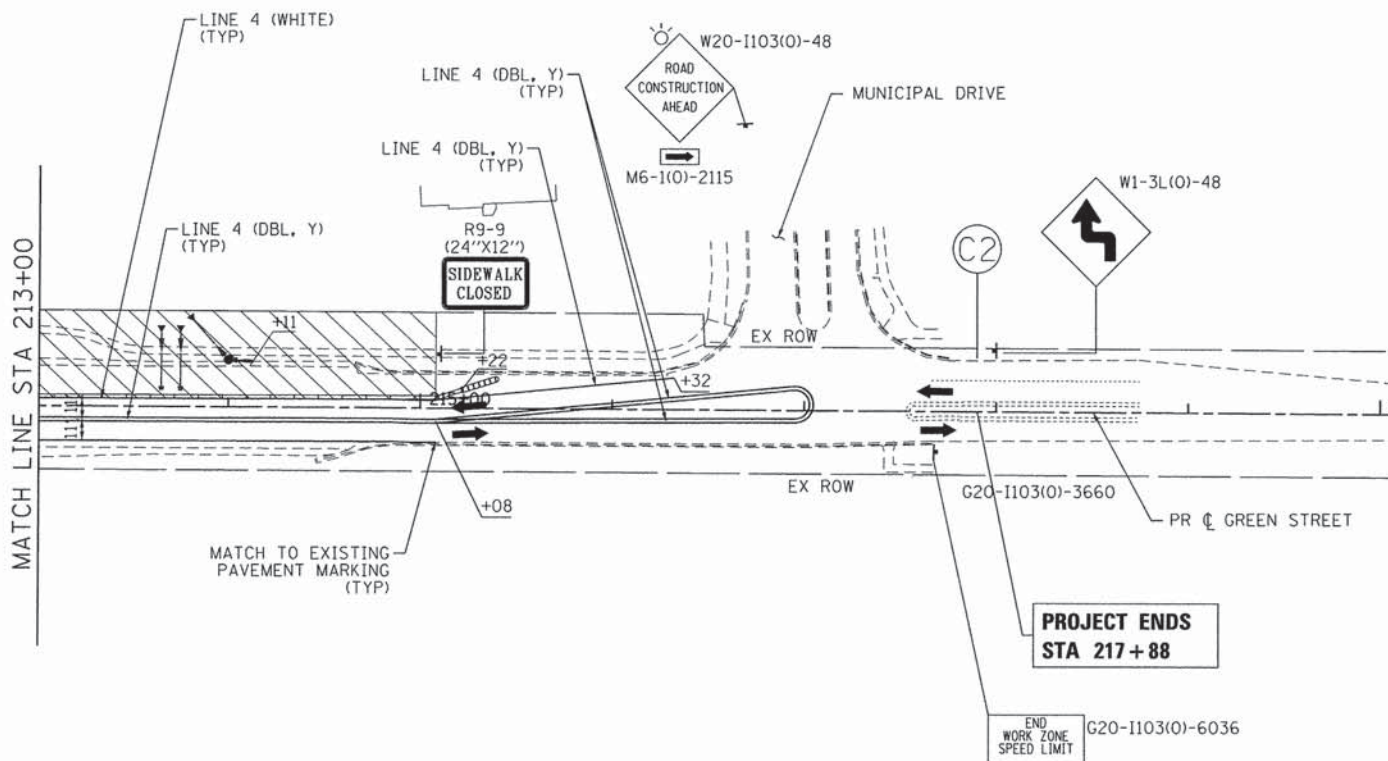
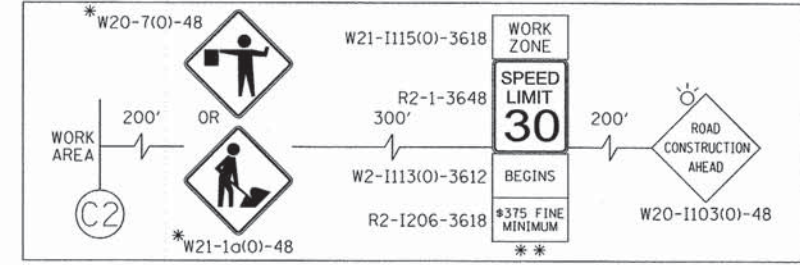
ADVANCED SIGNING DETAIL



LEGEND:

TEMPORARY PAVEMENT	TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII	DOUBLE VERTICAL PANEL WITH STEADY BURNING BI-DIRECTIONAL LIGHT @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
WORK ZONE	TEMPORARY CONCRETE BARRIER	TYPE III BARRICADES WITH FLASHING LIGHTS
DIRECTION OF TRAFFIC		
IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3		

ADVANCED SIGNING DETAIL



- NOTES:**
- FOR PAVEMENT MARKING DETAILS, SEE IDOT DISTRICT 1 DETAIL TC-13.
 - ALL STAGE 1 PAVEMENT MARKINGS SHALL BE TEMPORARY PAVEMENT MARKING.
 - ALL STAGE 2 PAVEMENT MARKINGS ON HMA SHALL BE THERMOPLASTIC AND TEMPORARY PAVEMENT MARKING ON PCC.
 - ALL STAGE 3 PAVEMENT MARKINGS SHALL BE PAVEMENT MARKING TAPE, TYPE III.
 - * MUST BE REMOVED WHEN WORKERS/FLAGGERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.
 - ** PLACE WORK ZONE SPEED LIMIT SIGNING 500' FROM WORK ZONE AND WITHIN 500' DOWNSTREAM OF ALL MAJOR INTERSECTIONS.



COMPANY NAME: HRGreen
 PROJECT CONTACT: tjelton
 CLIENT: HRGreen.com
 DATE PLOTTED: 12/4/2014 9:06:10 AM
 FILE NAME: 090071-mot1-08.dgn
 PLOT DRIVER: pdf.plt
 PEN TABLE: s:fontcolor-trans.tbl



USER NAME = tjelton	DESIGNED - JPA	REVISED -
FILE NAME = 090071-mot1-08.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - JLP	REVISED -
PLOT DATE = 12/4/2014	DATE - 12/5/14	REVISED -

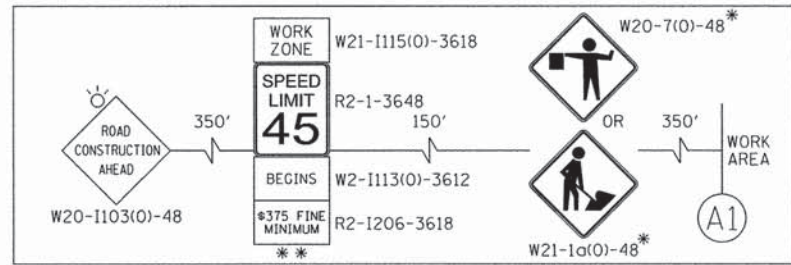
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 1
 GREEN STREET/BARREVILLE ROAD**

SCALE: 1" = 50' SHEET NO. 20 OF 46 SHEETS STA. TO STA.

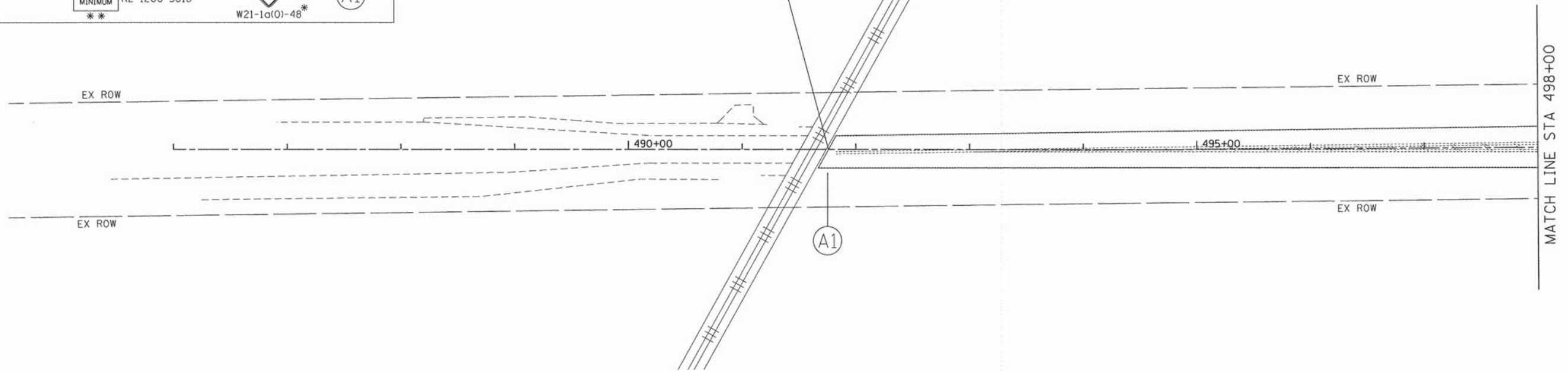
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	63
CONTRACT NO. 63892				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

ADVANCED SIGNING DETAIL



**PROJECT BEGINS
STA 491+76**

**UNION PACIFIC
RAILROAD**



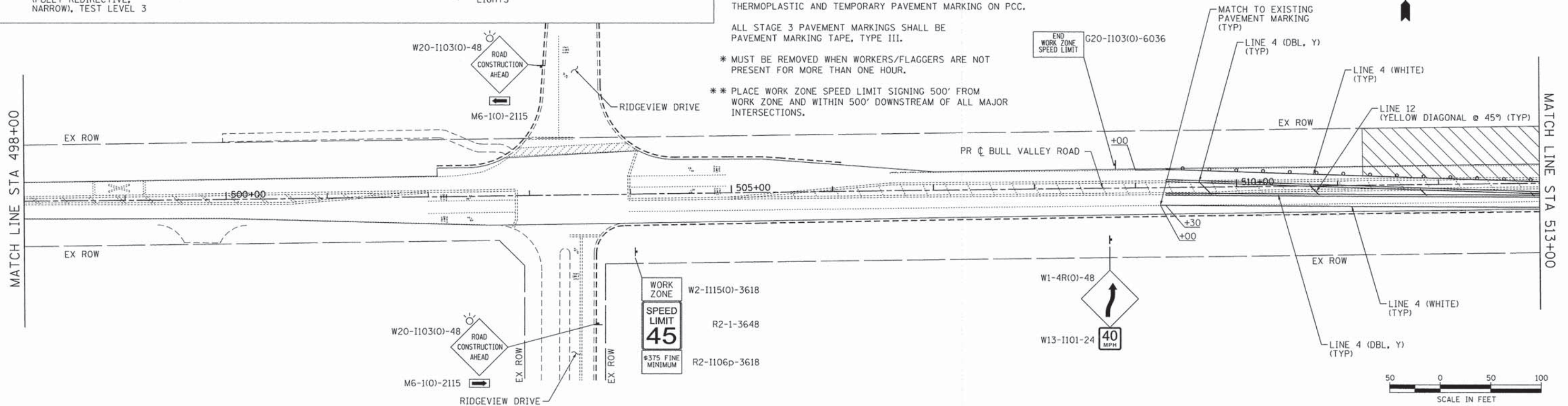
MATCH LINE STA 498+00

LEGEND:

- ▨ TEMPORARY PAVEMENT
- ▨ WORK ZONE
- ➔ DIRECTION OF TRAFFIC
- ▨ IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- ▨ TYPE III BARRICADES WITH FLASHING LIGHTS
- ▨ DOUBLE VERTICAL PANEL WITH STEADY BURNING BI-DIRECTIONAL LIGHT @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- ▨ TYPE III BARRICADES WITH FLASHING LIGHTS
- ▨ TEMPORARY CONCRETE BARRIER

NOTES:

- FOR PAVEMENT MARKING DETAILS, SEE IDOT DISTRICT 1 DETAIL TC-13.
- ALL STAGE 1 PAVEMENT MARKINGS SHALL BE TEMPORARY PAVEMENT MARKING.
- ALL STAGE 2 PAVEMENT MARKINGS ON HMA SHALL BE THERMOPLASTIC AND TEMPORARY PAVEMENT MARKING ON PCC.
- ALL STAGE 3 PAVEMENT MARKINGS SHALL BE PAVEMENT MARKING TAPE, TYPE III.
- * MUST BE REMOVED WHEN WORKERS/FLAGGERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.
- ** PLACE WORK ZONE SPEED LIMIT SIGNING 500' FROM WORK ZONE AND WITHIN 500' DOWNSTREAM OF ALL MAJOR INTERSECTIONS.



COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 CLIENT: HRGreen.com
 DATE PLOTTED: 12/4/2014 9:06:06 AM
 FILE NAME: 090071-mot2-01.dgn
 PLOT DRIVER: pdf.plt
 PEN TABLE: s:\standard-trans.tbl



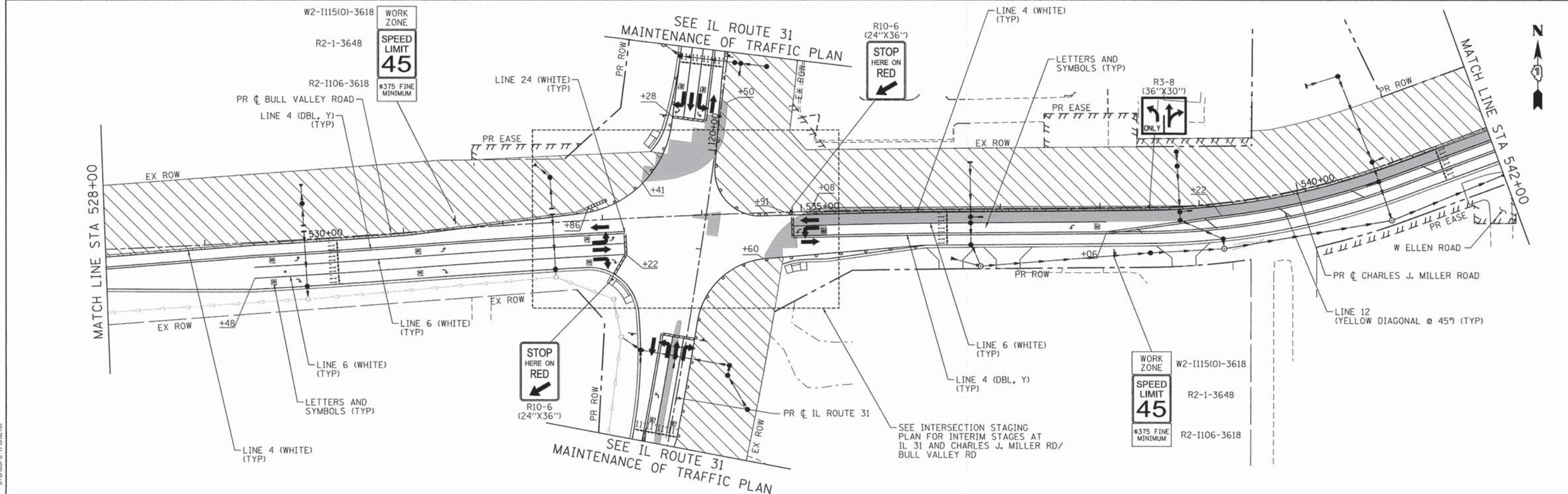
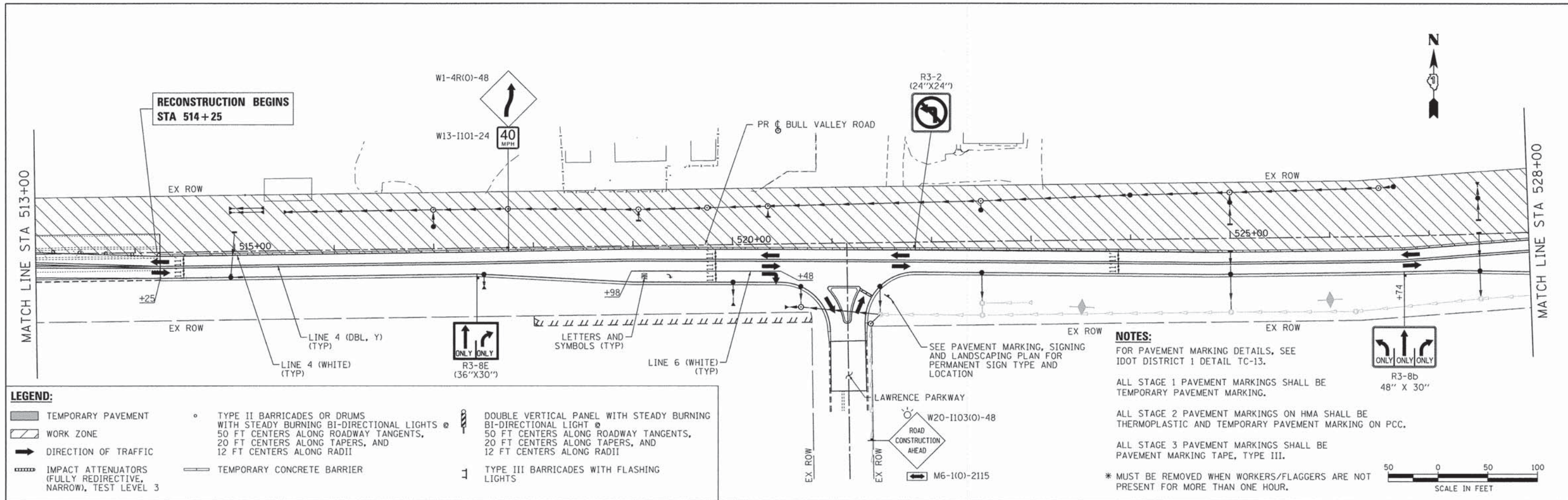
USER NAME = tje1ton	DESIGNED - JPA	REVISED -
FILE NAME = 090071-mot2-01.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - JLP	REVISED -
PLOT DATE = 12/4/2014	DATE - 12/5/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 2
BULL VALLEY ROAD**

SCALE: 1" = 50' SHEET NO. 21 OF 46 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	64
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63892	



COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 CLIENT: HRGreen.com
 DATE PLOTTED: 12/4/2014 9:06:23 AM
 FILE NAME: 090071-mot2-02.dgn
 PLOT DRIVER: pdfPlot
 PEN TABLE: standard-trans.tbl

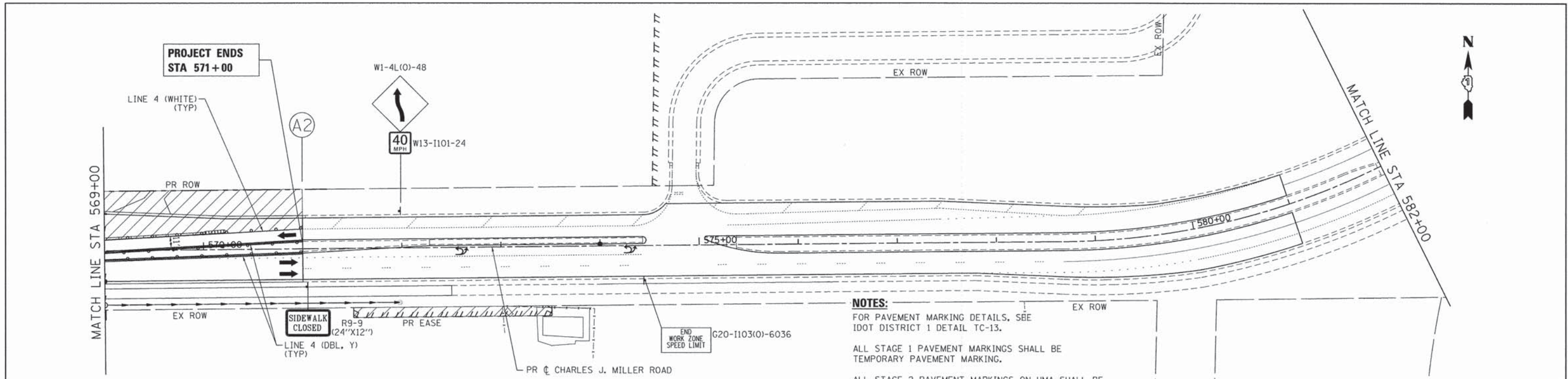


USER NAME = tje1ton	DESIGNED - JPA	REVISED -
FILE NAME = 090071-mot2-02.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - JLP	REVISED -
PLOT DATE = 12/4/2014	DATE - 12/5/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 2			
BULL VALLEY/CHARLES J. MILLER ROAD			
SCALE: 1" = 50'	SHEET NO. 22 OF 46 SHEETS	STA.	TO STA.

F.A.U. RTE. 3860	SECTION 09-00372-01-PW	COUNTY MCHENRY	TOTAL SHEETS 358	SHEET NO. 65
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		CONTRACT NO. 63892		



LEGEND:

	TEMPORARY PAVEMENT		TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII		DOUBLE VERTICAL PANEL WITH STEADY BURNING BI-DIRECTIONAL LIGHT @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
	WORK ZONE		TYPE III BARRICADES WITH FLASHING LIGHTS		
	DIRECTION OF TRAFFIC				
	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3		TEMPORARY CONCRETE BARRIER		

NOTES:

FOR PAVEMENT MARKING DETAILS, SEE IDOT DISTRICT 1 DETAIL TC-13.

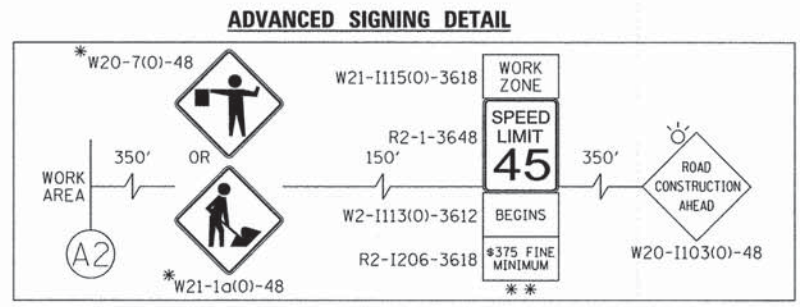
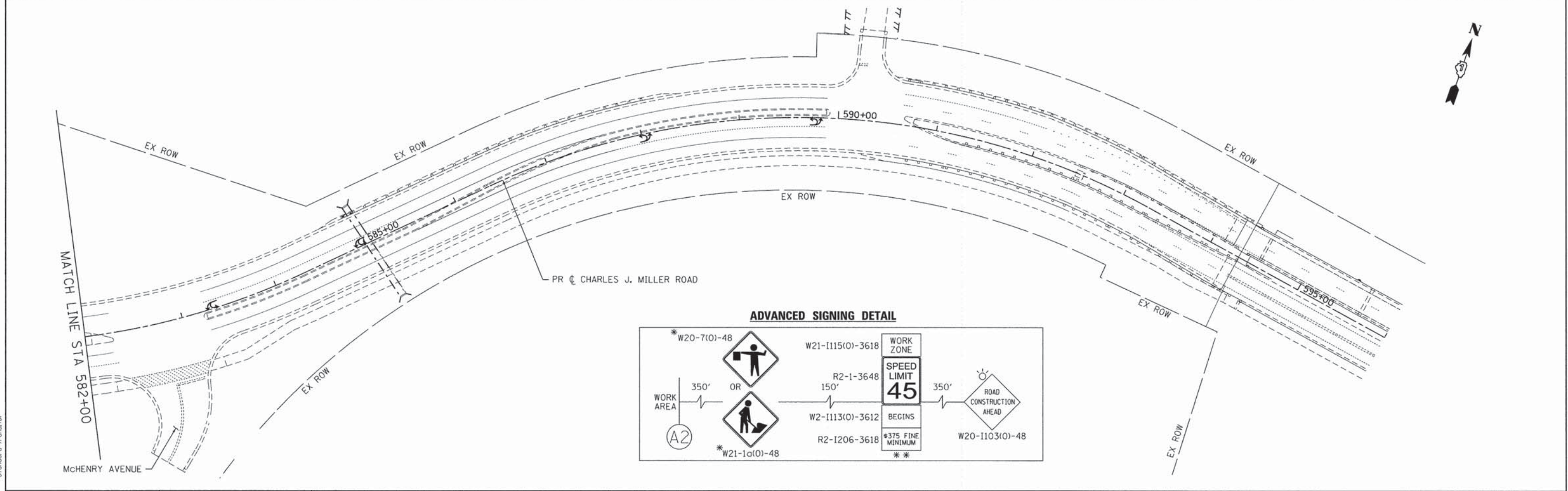
ALL STAGE 1 PAVEMENT MARKINGS SHALL BE TEMPORARY PAVEMENT MARKING.

ALL STAGE 2 PAVEMENT MARKINGS ON HMA SHALL BE THERMOPLASTIC AND TEMPORARY PAVEMENT MARKING ON PCC.

ALL STAGE 3 PAVEMENT MARKINGS SHALL BE PAVEMENT MARKING TAPE, TYPE III.

* MUST BE REMOVED WHEN WORKERS/FLAGGERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.

** PLACE WORK ZONE SPEED LIMIT SIGNING 500' FROM WORK ZONE AND WITHIN 500' DOWNSTREAM OF ALL MAJOR INTERSECTIONS.



COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 CLIENT: Illinois Professional Design Firm
 DATE PLOTTED: 12/4/2014 9:06:37 AM
 FILE NAME: 090071-mot2-04.dgn
 PLOT DRIVER: pdfPlot
 PEN TABLE: standard-trans.tbl



USER NAME = tje1ton	DESIGNED - JPA	REVISED -
FILE NAME = 090071-mot2-04.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - JLP	REVISED -
PLOT DATE = 12/4/2014	DATE - 12/5/14	REVISED -

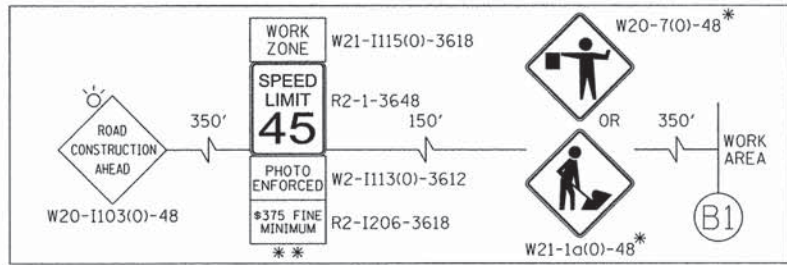
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 2
 CHARLES J. MILLER ROAD

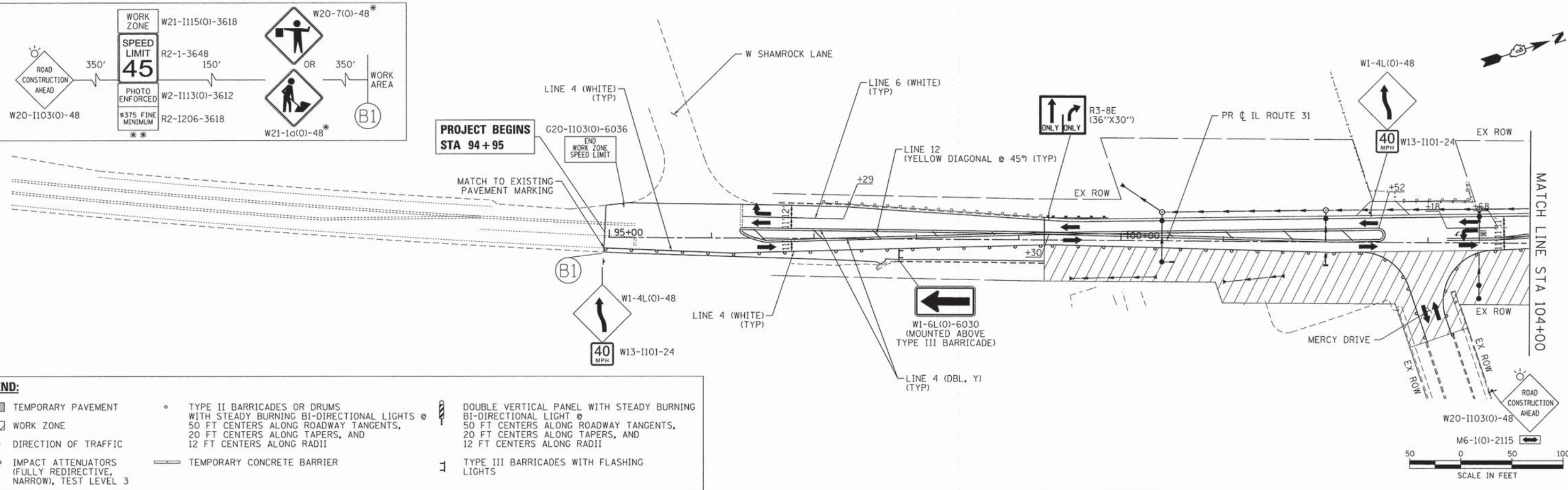
SCALE: 1" = 50' SHEET NO. 24 OF 46 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	67
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63892	

ADVANCED SIGNING DETAIL



**PROJECT BEGINS
STA 94+95**



LEGEND:

- TEMPORARY PAVEMENT
- WORK ZONE
- DIRECTION OF TRAFFIC
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- TYPE III BARRICADES WITH FLASHING LIGHTS
- DOUBLE VERTICAL PANEL WITH STEADY BURNING BI-DIRECTIONAL LIGHT @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII

NOTES:

- FOR PAVEMENT MARKING DETAILS, SEE IDOT DISTRICT 1 DETAIL TC-13.
- ALL STAGE 1 PAVEMENT MARKINGS SHALL BE TEMPORARY PAVEMENT MARKING.
- ALL STAGE 2 PAVEMENT MARKINGS ON HMA SHALL BE THERMOPLASTIC AND TEMPORARY PAVEMENT MARKING ON PCC.
- ALL STAGE 3 PAVEMENT MARKINGS SHALL BE PAVEMENT MARKING TAPE, TYPE III.
- * MUST BE REMOVED WHEN WORKERS/FLAGGERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.
- ** PLACE WORK ZONE SPEED LIMIT SIGNING 500' FROM WORK ZONE AND WITHIN 500' DOWNSTREAM OF ALL MAJOR INTERSECTIONS.

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen
 CLIENT: HRGreen
 DATE PLOTTED: 12/4/2014 9:06:46 AM
 FILE NAME: 090071-mo12-06.dgn
 PLOT DRIVER: pdfPlot
 PEN TABLE: afontord-trans.tbl



USER NAME = tye1ton	DESIGNED - JPA	REVISED -
FILE NAME = 090071-mo12-06.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - JLP	REVISED -
PLOT DATE = 12/4/2014	DATE - 12/5/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 2
IL ROUTE 31**

SCALE: 1" = 50' SHEET NO. 25 OF 46 SHEETS STA. TO STA.

F.A.U. RTE. 3860	SECTION 09-00372-01-PW	COUNTY MCHENRY	TOTAL SHEETS 358	SHEET NO. 68
CONTRACT NO. 63892			ILLINOIS FED. AID PROJECT	

NOTES:

FOR PAVEMENT MARKING DETAILS, SEE IDOT DISTRICT 1 DETAIL TC-13.

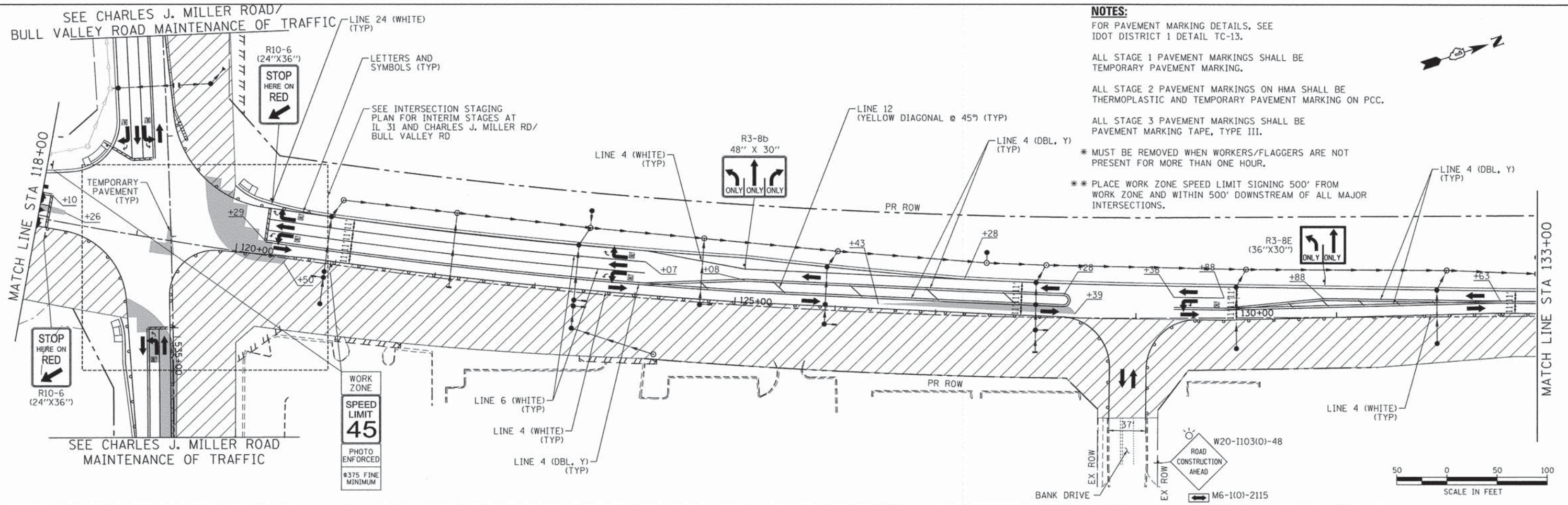
ALL STAGE 1 PAVEMENT MARKINGS SHALL BE TEMPORARY PAVEMENT MARKING.

ALL STAGE 2 PAVEMENT MARKINGS ON HMA SHALL BE THERMOPLASTIC AND TEMPORARY PAVEMENT MARKING ON PCC.

ALL STAGE 3 PAVEMENT MARKINGS SHALL BE PAVEMENT MARKING TAPE, TYPE III.

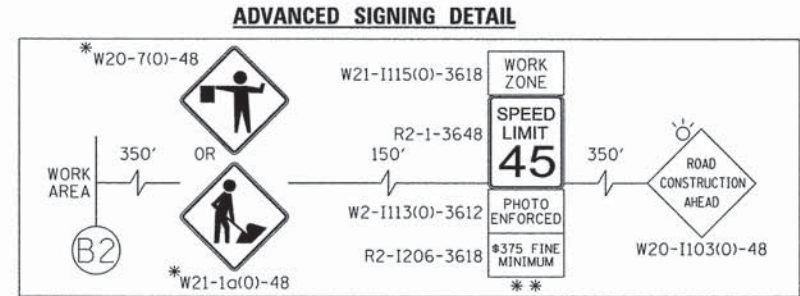
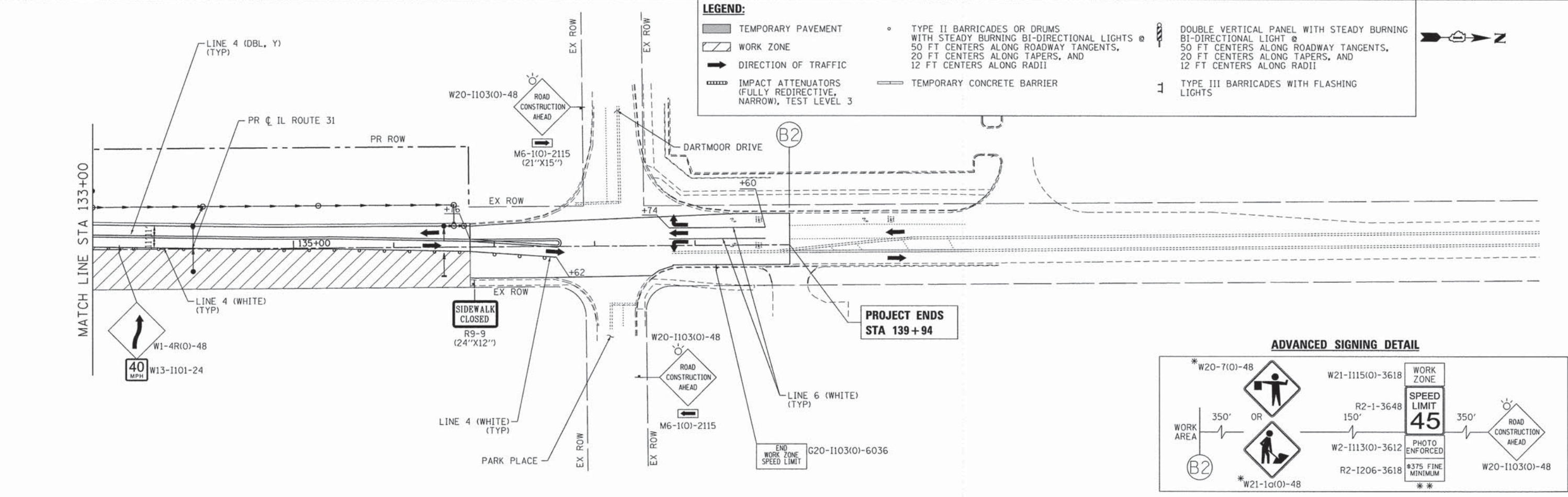
* MUST BE REMOVED WHEN WORKERS/FLAGGERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.

** PLACE WORK ZONE SPEED LIMIT SIGNING 500' FROM WORK ZONE AND WITHIN 500' DOWNSTREAM OF ALL MAJOR INTERSECTIONS.



LEGEND:

- TEMPORARY PAVEMENT
- WORK ZONE
- DIRECTION OF TRAFFIC
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- TYPE III BARRICADES WITH FLASHING LIGHTS



12/4/2014 9:06:53 AM
 090071-mo12-07.dgn
 paf,oit
 sfandard-frans.tbl



USER NAME = tjelton	DESIGNED - JPA	REVISED -
FILE NAME = 090071-mo12-07.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - JLP	REVISED -
PLOT DATE = 12/4/2014	DATE - 12/5/14	REVISED -

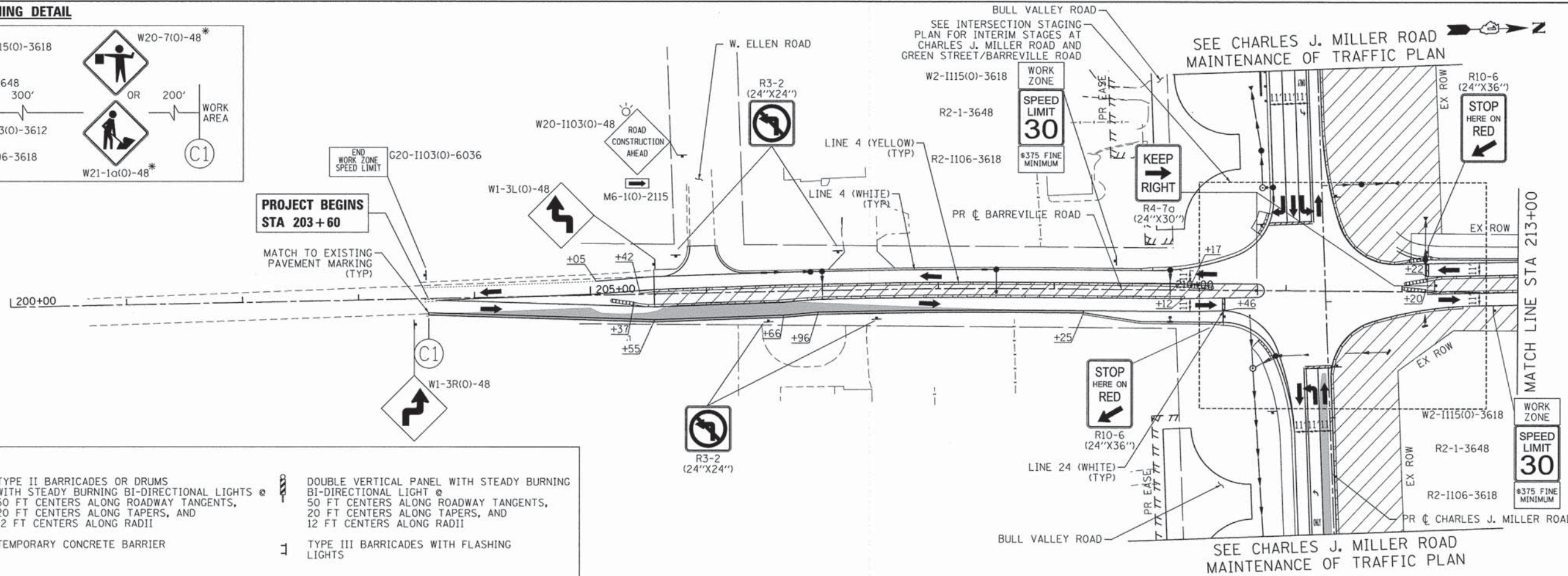
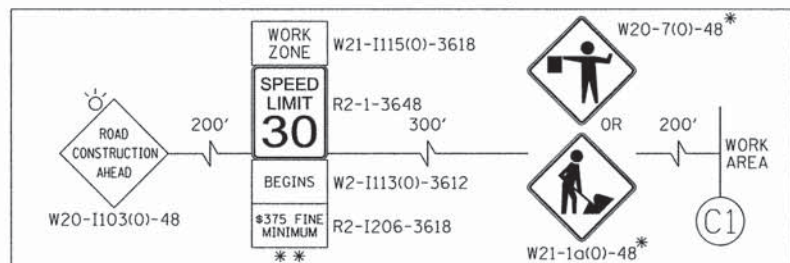
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 2
 IL ROUTE 31**

SCALE: 1" = 50' SHEET NO. 26 OF 46 SHEETS STA. TO STA.

F.A.U. RTE. 3860	SECTION 09-00372-01-PW	COUNTY MCHENRY	TOTAL SHEETS 358	SHEET NO. 69
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT CONTRACT NO. 63892		

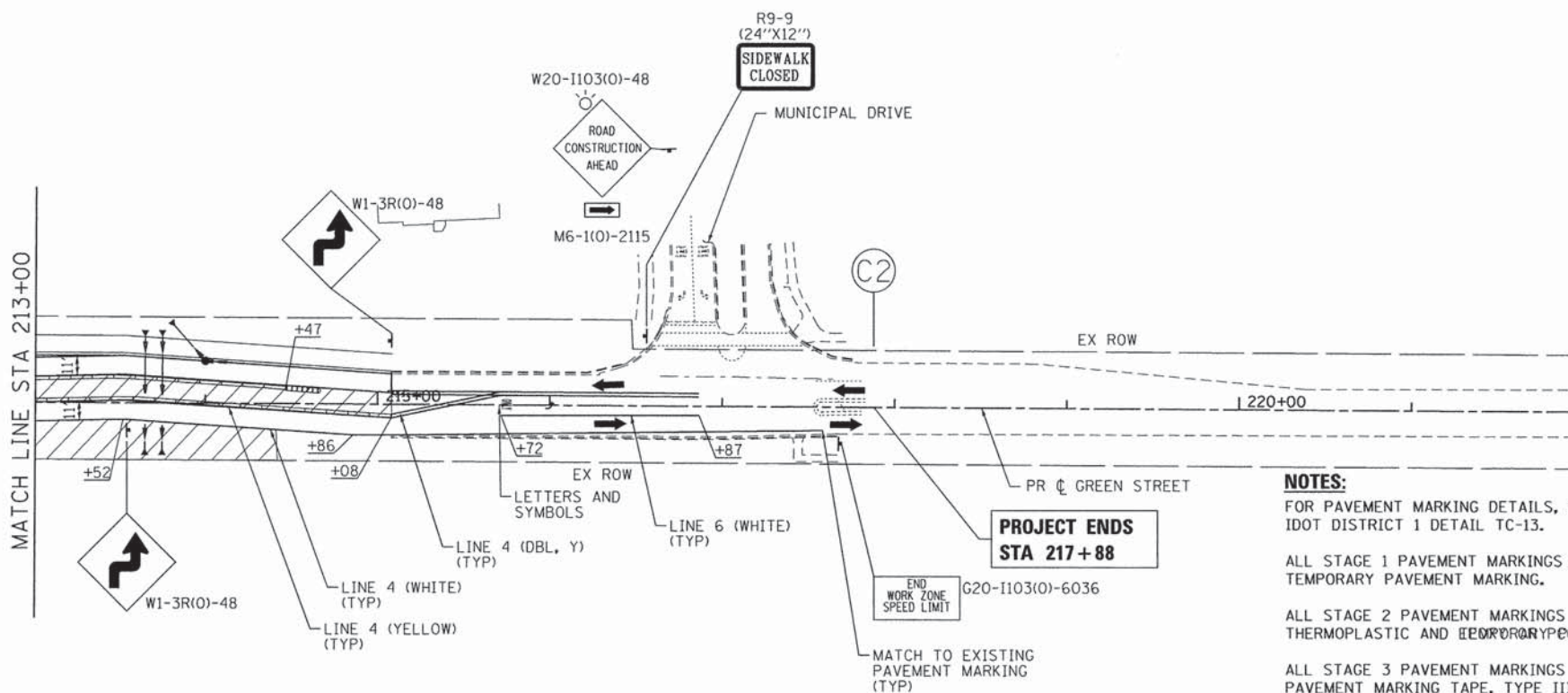
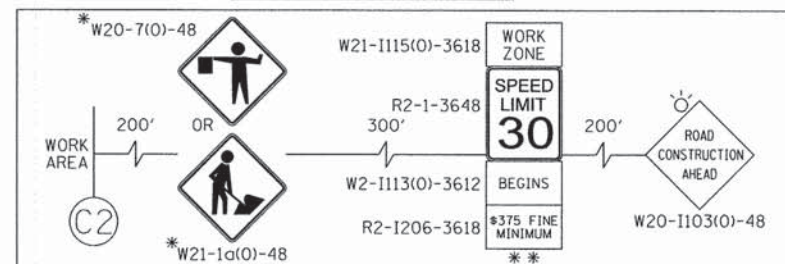
ADVANCED SIGNING DETAIL



LEGEND:

TEMPORARY PAVEMENT	TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII	DOUBLE VERTICAL PANEL WITH STEADY BURNING BI-DIRECTIONAL LIGHT @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
WORK ZONE	TYPE III BARRICADES WITH FLASHING LIGHTS	
DIRECTION OF TRAFFIC	TEMPORARY CONCRETE BARRIER	
IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3		

ADVANCED SIGNING DETAIL



NOTES:
 FOR PAVEMENT MARKING DETAILS, SEE IDOT DISTRICT 1 DETAIL TC-13.
 ALL STAGE 1 PAVEMENT MARKINGS SHALL BE TEMPORARY PAVEMENT MARKING.
 ALL STAGE 2 PAVEMENT MARKINGS ON HMA SHALL BE THERMOPLASTIC AND ~~TEMPORARY~~ PAVEMENT MARKING ON PCC.
 ALL STAGE 3 PAVEMENT MARKINGS SHALL BE PAVEMENT MARKING TAPE, TYPE III.
 * MUST BE REMOVED WHEN WORKERS/FLAGGERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.
 ** PLACE WORK ZONE SPEED LIMIT SIGNING 500' FROM WORK ZONE AND WITHIN 500' DOWNSTREAM OF ALL MAJOR INTERSECTIONS.



COMPANY NAME: HRGreen.com
 PROJECT CONTACT: tjelton
 CLIENT: Illinois Professional Design Firm
 DATE PLOTTED: 12/4/2014 8:07:00 AM
 FILE NAME: 090071-mot2-08.dgn
 PLOT NAME: pdf.plt
 PLOT DRIVER: srfendar-d-trans.tbl
 PEN TABLE:



USER NAME = tjelton	DESIGNED - JPA	REVISED -
FILE NAME = 090071-mot2-08.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - JLP	REVISED -
PLOT DATE = 12/4/2014	DATE - 12/5/14	REVISED -

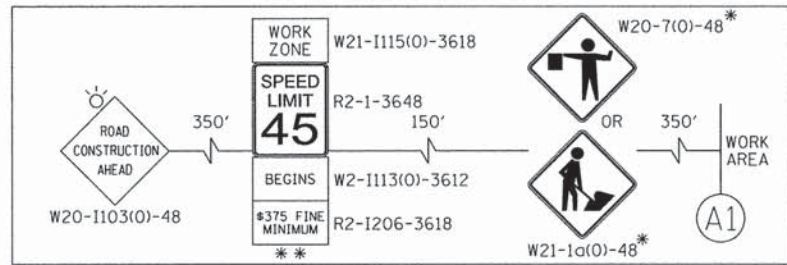
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 2
 GREEN STREET/BARREVILLE ROAD**

SCALE: 1" = 50' SHEET NO. 27 OF 46 SHEETS STA. TO STA.

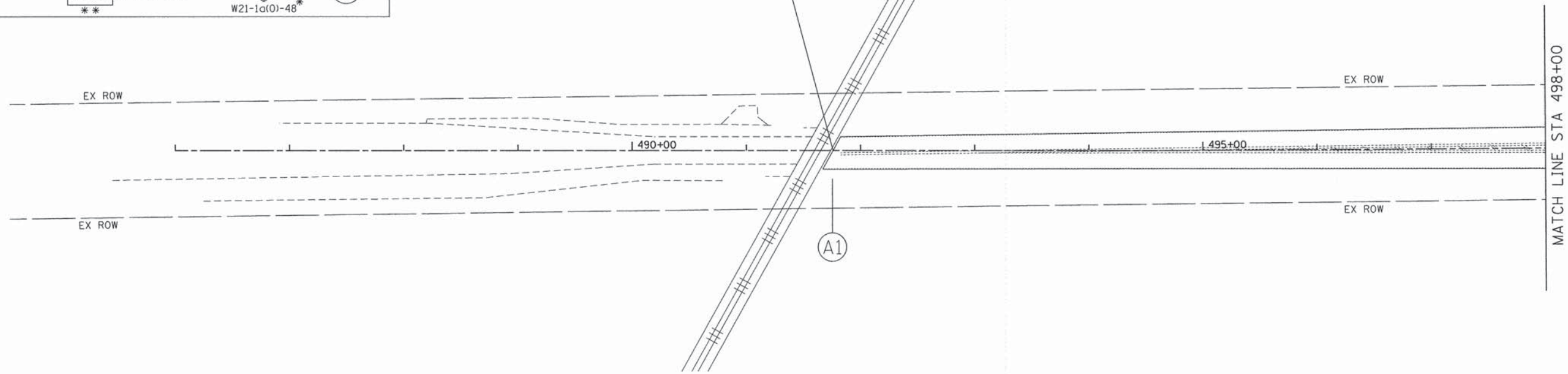
F.A.U. RTE. 3860	SECTION 09-00372-01-PW	COUNTY MCHENRY	TOTAL SHEETS 358	SHEET NO. 70
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		CONTRACT NO. 63892		

ADVANCED SIGNING DETAIL



**PROJECT BEGINS
STA 491+76**

**UNION PACIFIC
RAILROAD**



MATCH LINE STA 498+00

LEGEND:

- TEMPORARY PAVEMENT
- WORK ZONE
- DIRECTION OF TRAFFIC
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- DOUBLE VERTICAL PANEL WITH STEADY BURNING BI-DIRECTIONAL LIGHT @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TYPE III BARRICADES WITH FLASHING LIGHTS
- TEMPORARY CONCRETE BARRIER

NOTES:

FOR PAVEMENT MARKING DETAILS, SEE IDOT DISTRICT 1 DETAIL TC-13.

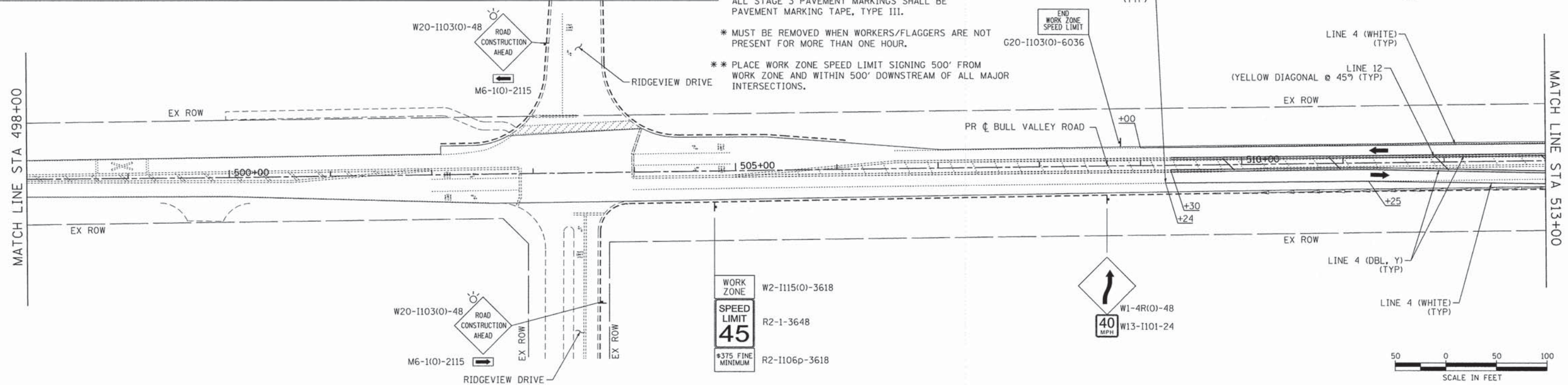
ALL STAGE 1 PAVEMENT MARKINGS SHALL BE TEMPORARY PAVEMENT MARKING.

ALL STAGE 2 PAVEMENT MARKINGS ON HMA SHALL BE THERMOPLASTIC AND TEMPORARY PAVEMENT MARKING ON PCC.

ALL STAGE 3 PAVEMENT MARKINGS SHALL BE PAVEMENT MARKING TAPE, TYPE III.

* MUST BE REMOVED WHEN WORKERS/FLAGGERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.

** PLACE WORK ZONE SPEED LIMIT SIGNING 500' FROM WORK ZONE AND WITHIN 500' DOWNSTREAM OF ALL MAJOR INTERSECTIONS.



COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen
 CLIENT: HRGreen
 DATE PLOTTED: 12/4/2014 9:07:06 AM
 FILE NAME: 090071-mot3-01.dgn
 PLOT DRIVER: pdfPlot
 PEN TABLE: standard-trans.tbl

HRGreen.com
 Illinois Professional Design Firm
 #184-001322

USER NAME = tjeilton	DESIGNED - JPA	REVISED -
FILE NAME = 090071-mot3-01.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - JLP	REVISED -
PLOT DATE = 12/4/2014	DATE - 12/5/14	REVISED -

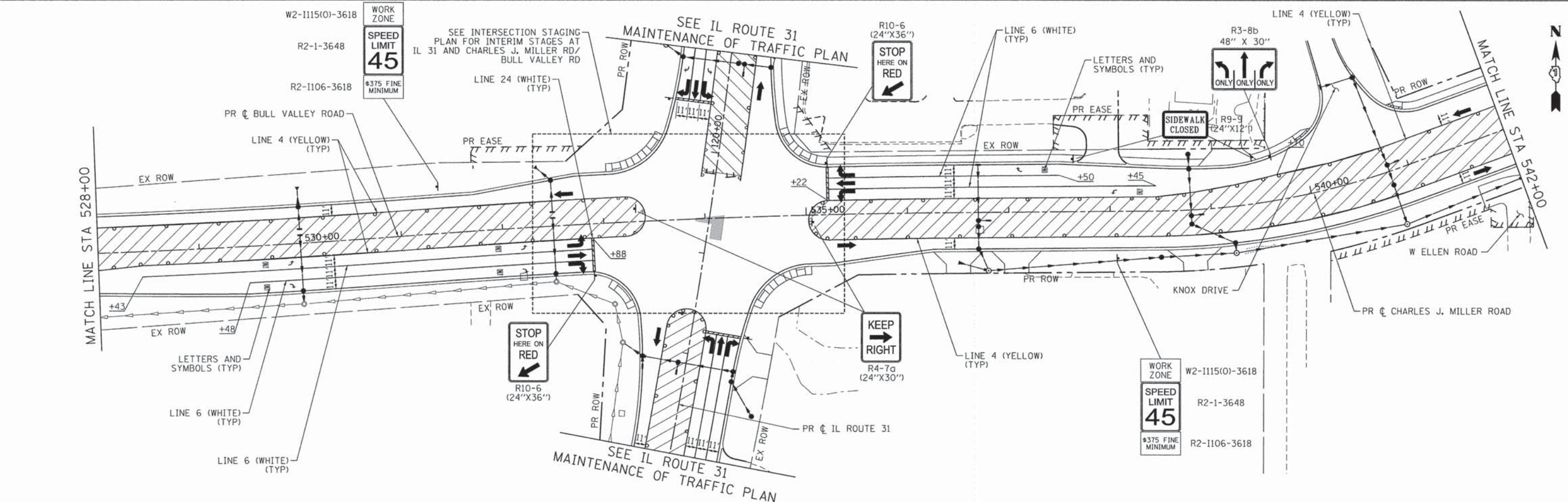
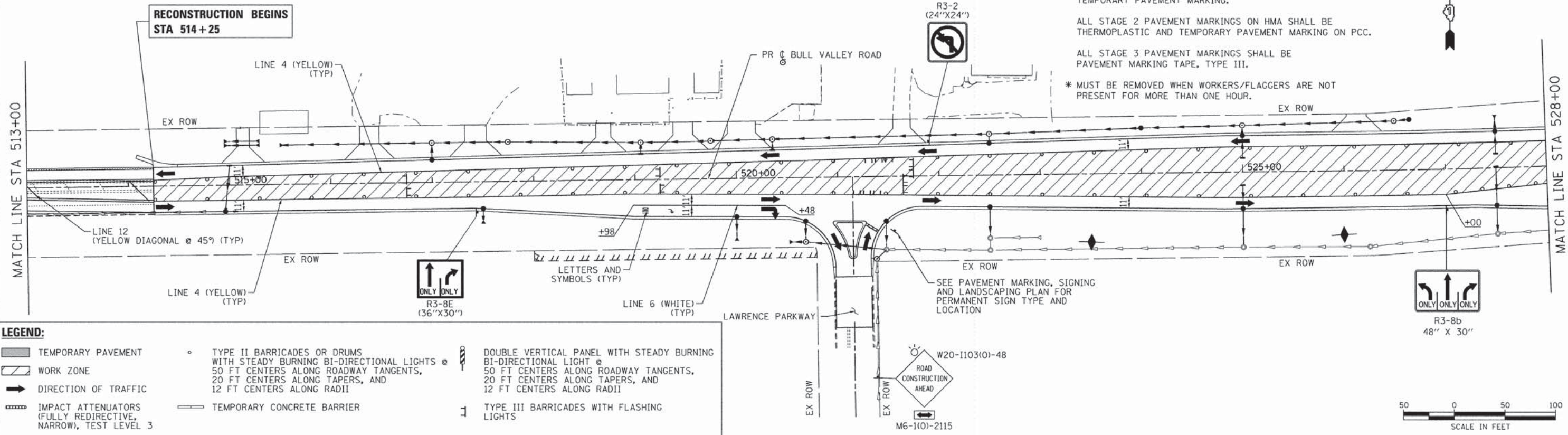
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 3
BULL VALLEY ROAD**

SCALE: 1" = 50' SHEET NO. 28 OF 46 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	71
CONTRACT NO. 63892			ILLINOIS FED. AID PROJECT	

NOTES:
 FOR PAVEMENT MARKING DETAILS, SEE IDOT DISTRICT 1 DETAIL TC-13.
 ALL STAGE 1 PAVEMENT MARKINGS SHALL BE TEMPORARY PAVEMENT MARKING.
 ALL STAGE 2 PAVEMENT MARKINGS ON HMA SHALL BE THERMOPLASTIC AND TEMPORARY PAVEMENT MARKING ON PCC.
 ALL STAGE 3 PAVEMENT MARKINGS SHALL BE PAVEMENT MARKING TAPE, TYPE III.
 * MUST BE REMOVED WHEN WORKERS/FLAGGERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.



COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen
 CLIENT: HRGreen
 DATE PLOTTED: 12/4/2014 9:07:04 AM
 FILE NAME: 090071-mo13-02.dgn
 PLOT DRIVER: pdfPlot
 PEN TABLE: s:\standard-trans.tbl

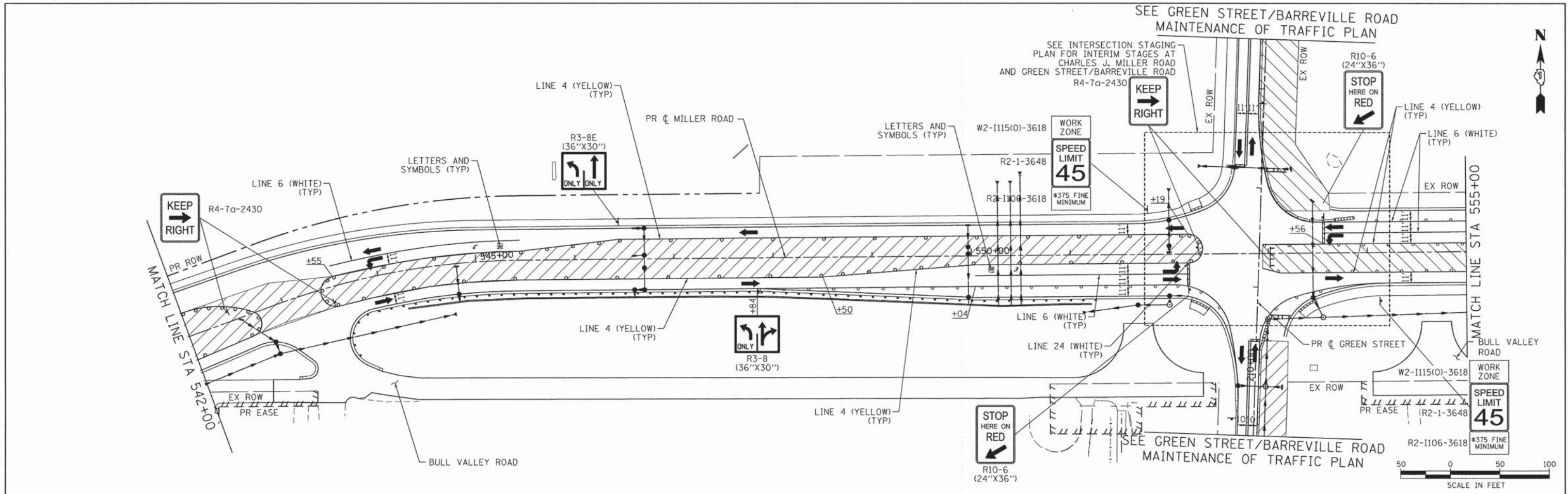
HRGreen.com
 Illinois Professional Design Firm
 #194-001322

USER NAME = tje1ton	DESIGNED - JPA	REVISED -
FILE NAME = 090071-mo13-02.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - JLP	REVISED -
PLOT DATE = 12/4/2014	DATE - 12/5/14	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

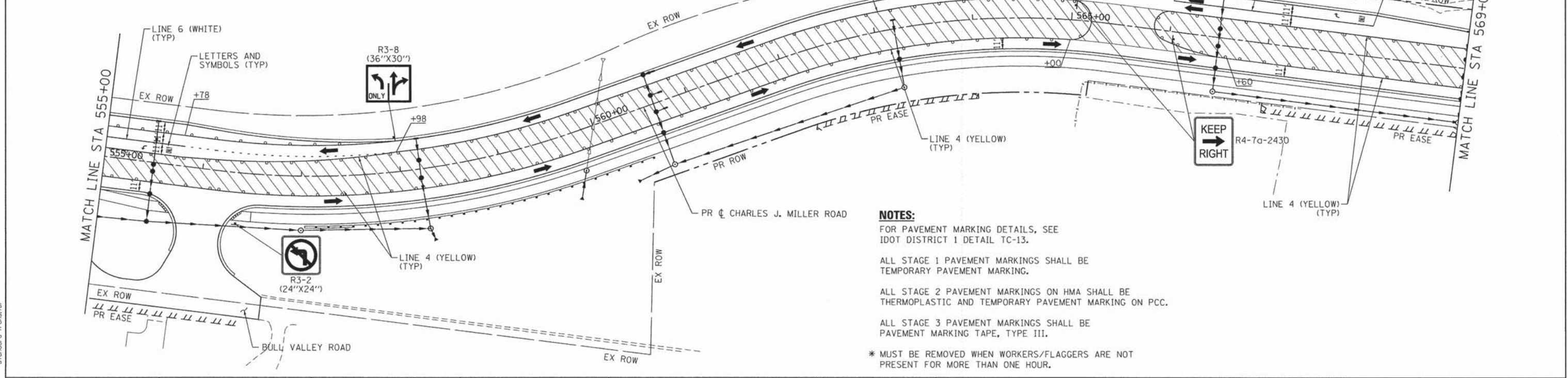
SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 3
 BULL VALLEY/CHARLES J. MILLER ROAD
 SCALE: 1" = 50' SHEET NO. 29 OF 46 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	72
CONTRACT NO. 63892				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



LEGEND:

TEMPORARY PAVEMENT	TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS	DOUBLE VERTICAL PANEL WITH STEADY BURNING BI-DIRECTIONAL LIGHT
WORK ZONE	50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII	20 FT CENTERS ALONG TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
DIRECTION OF TRAFFIC	TYPE III BARRICADES WITH FLASHING LIGHTS	
IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	TEMPORARY CONCRETE BARRIER	



NOTES:
 FOR PAVEMENT MARKING DETAILS, SEE IDOT DISTRICT 1 DETAIL TC-13.
 ALL STAGE 1 PAVEMENT MARKINGS SHALL BE TEMPORARY PAVEMENT MARKING.
 ALL STAGE 2 PAVEMENT MARKINGS ON HMA SHALL BE THERMOPLASTIC AND TEMPORARY PAVEMENT MARKING ON PCC.
 ALL STAGE 3 PAVEMENT MARKINGS SHALL BE PAVEMENT MARKING TAPE, TYPE III.
 * MUST BE REMOVED WHEN WORKERS/FLAGGERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen
 DATE PLOTTED: 12/4/2014 9:07:22 AM
 FILE NAME: 090071-mot3-03.dgn
 PLOT DRIVER: pdfplot
 PEN TABLE: standard-trans.tbl

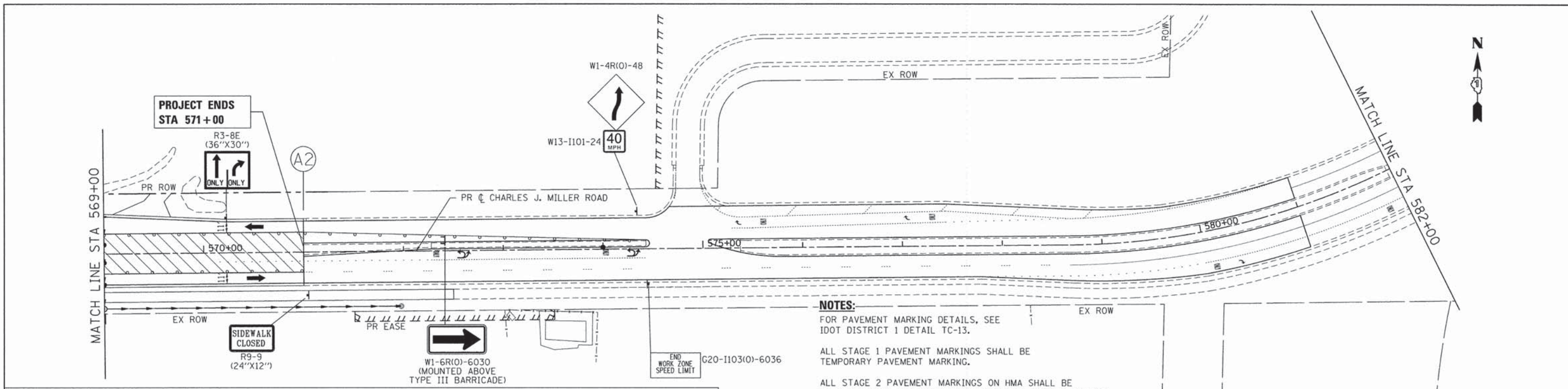


USER NAME = tje1ton	DESIGNED - JPA	REVISED -
FILE NAME = 090071-mot3-03.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - JLP	REVISED -
PLOT DATE = 12/4/2014	DATE - 12/5/14	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 3			
CHARLES J. MILLER ROAD			
SCALE: 1" = 50'	SHEET NO. 30 OF 46 SHEETS	STA. _____	TO STA. _____

F.A.U. RTE. 3860	SECTION 09-00372-01-PW	COUNTY MCHENRY	TOTAL SHEETS 358	SHEET NO. 73
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		CONTRACT NO. 63892		



LEGEND:

TEMPORARY PAVEMENT	TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII	DOUBLE VERTICAL PANEL WITH STEADY BURNING BI-DIRECTIONAL LIGHT @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
WORK ZONE	TEMPORARY CONCRETE BARRIER	TYPE III BARRICADES WITH FLASHING LIGHTS
DIRECTION OF TRAFFIC		
IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3		

NOTES:

FOR PAVEMENT MARKING DETAILS, SEE IDOT DISTRICT 1 DETAIL TC-13.

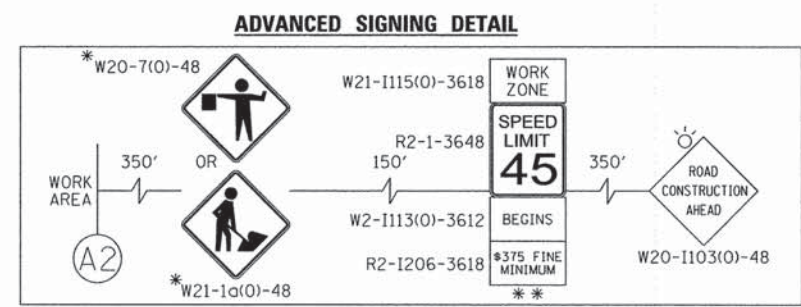
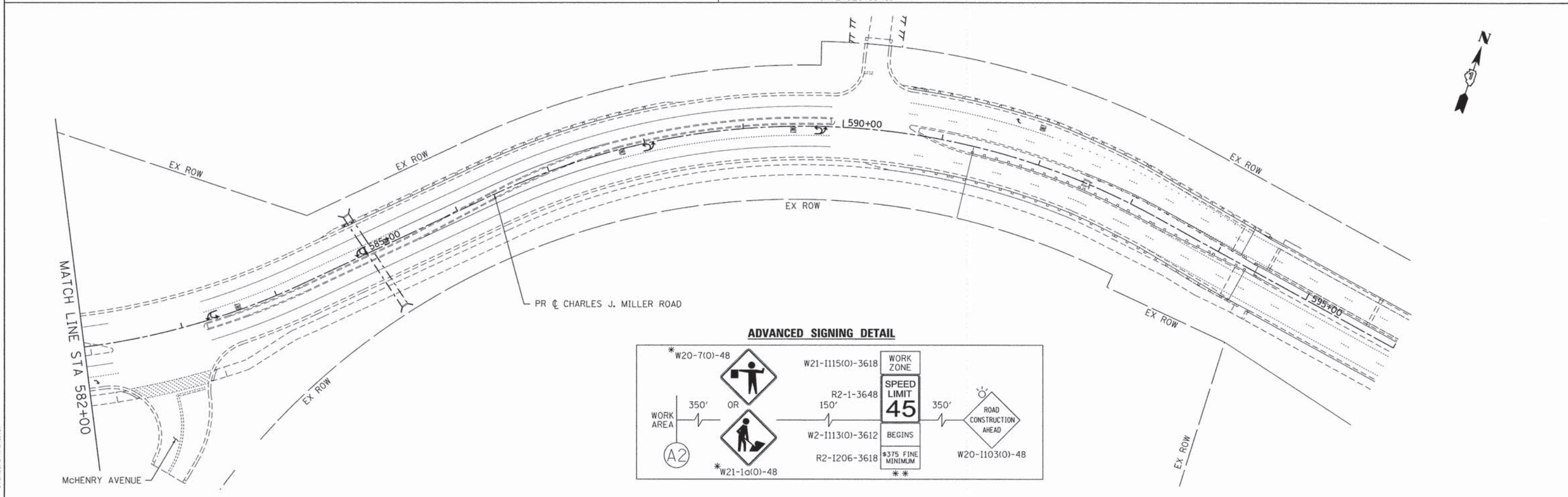
ALL STAGE 1 PAVEMENT MARKINGS SHALL BE TEMPORARY PAVEMENT MARKING.

ALL STAGE 2 PAVEMENT MARKINGS ON HMA SHALL BE THERMOPLASTIC AND TEMPORARY PAVEMENT MARKING ON PCC.

ALL STAGE 3 PAVEMENT MARKINGS SHALL BE PAVEMENT MARKING TAPE, TYPE III.

* MUST BE REMOVED WHEN WORKERS/FLAGGERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.

** PLACE WORK ZONE SPEED LIMIT SIGNING 500' FROM WORK ZONE AND WITHIN 500' DOWNSTREAM OF ALL MAJOR INTERSECTIONS.



COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen
 DATE PLOTTED: 12/4/2014 9:07:23 AM
 FILE NAME: 090071-mo13-04.dgn
 PLOT DRIVER: pdfPlot
 PEN TABLE: standard-trans.tbl



USER NAME = tje1ton	DESIGNED - JPA	REVISED -
FILE NAME = 090071-mo13-04.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - JLP	REVISED -
PLOT DATE = 12/4/2014	DATE - 12/5/14	REVISED -

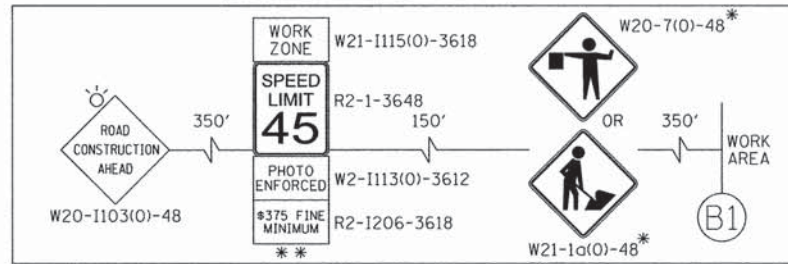
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 3
 CHARLES J. MILLER ROAD**

SCALE: 1" = 50' SHEET NO. 31 OF 46 SHEETS STA. TO STA.

F.A.U. RTE. 3860	SECTION 09-00372-01-PW	COUNTY MCHENRY	TOTAL SHEETS 358	SHEET NO. 74
CONTRACT NO. 63892			ILLINOIS FED. AID PROJECT	

ADVANCED SIGNING DETAIL



**PROJECT BEGINS
STA 94+95**

G20-1103(O)-6036
END WORK ZONE SPEED LIMIT

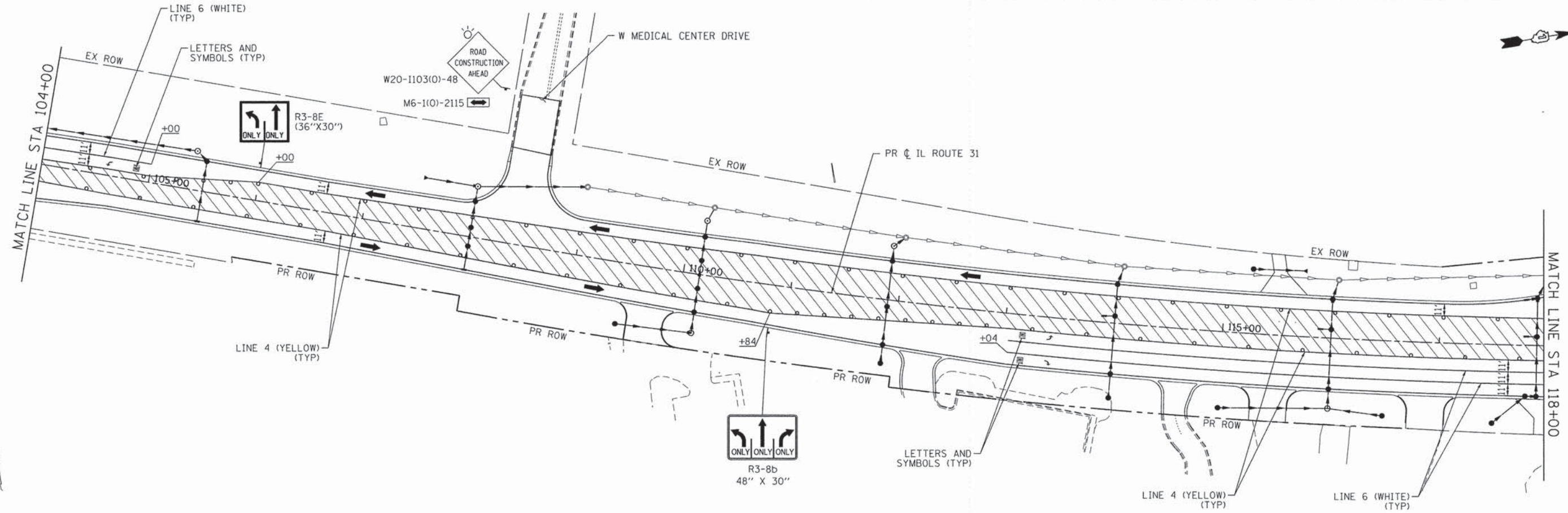
MATCH TO EXISTING PAVEMENT MARKING

NOTES:

- FOR PAVEMENT MARKING DETAILS, SEE IDOT DISTRICT 1 DETAIL TC-13.
- ALL STAGE 1 PAVEMENT MARKINGS SHALL BE TEMPORARY PAVEMENT MARKING.
- ALL STAGE 2 PAVEMENT MARKINGS ON HMA SHALL BE THERMOPLASTIC AND TEMPORARY PAVEMENT MARKING ON PCC.
- ALL STAGE 3 PAVEMENT MARKINGS SHALL BE PAVEMENT MARKING TAPE, TYPE III.
- * MUST BE REMOVED WHEN WORKERS/FLAGGERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.
- ** PLACE WORK ZONE SPEED LIMIT SIGNING 500' FROM WORK ZONE AND WITHIN 500' DOWNSTREAM OF ALL MAJOR INTERSECTIONS.

LEGEND:

- TEMPORARY PAVEMENT
- WORK ZONE
- DIRECTION OF TRAFFIC
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- DOUBLE VERTICAL PANEL WITH STEADY BURNING BI-DIRECTIONAL LIGHT @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TYPE III BARRICADES WITH FLASHING LIGHTS
- TEMPORARY CONCRETE BARRIER



COMPANY NAME: HRGreen
 PROJECT CONTACT: JPA
 CLIENT: STATE OF ILLINOIS
 DATE PLOTTED: 12/4/2014 9:07:36 AM
 FILE NAME: 090071-mot3-06.dgn
 PLOT DRIVER: pdfplot
 PEN TABLE: s:\standard-trans.tbl



USER NAME = jyelton	DESIGNED - JPA	REVISED -
FILE NAME = 090071-mot3-06.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - JLP	REVISED -
PLOT DATE = 12/4/2014	DATE - 12/5/14	REVISED -

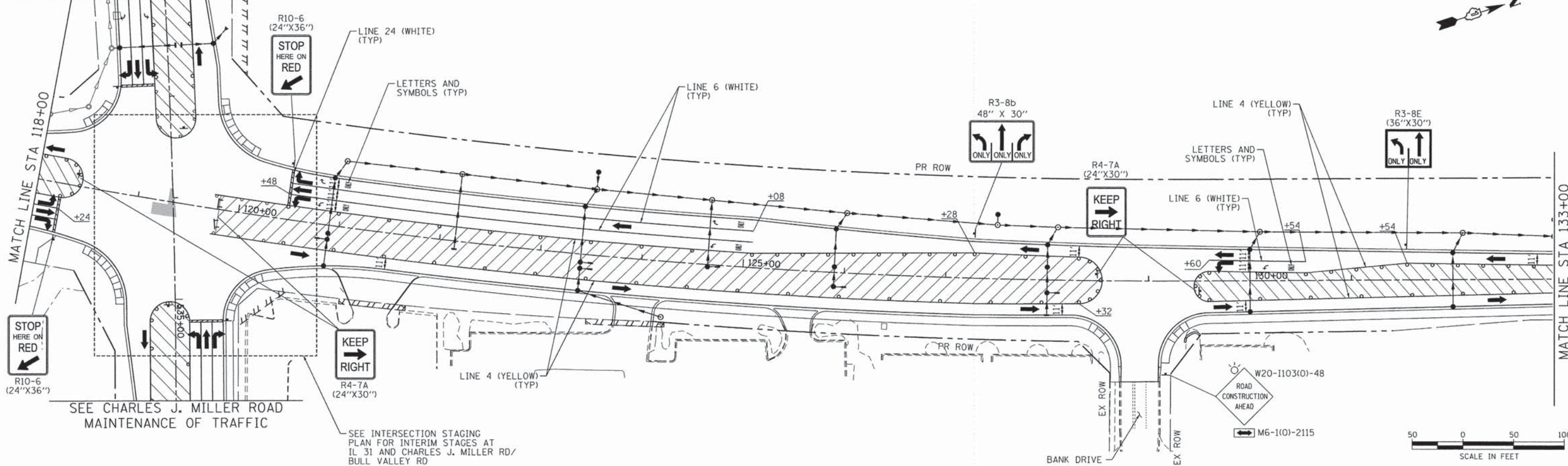
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 3
IL ROUTE 31**

SCALE: 1" = 50' SHEET NO. 32 OF 46 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	75
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63892	

SEE BULL VALLEY ROAD/ CHARLES J. MILLER ROAD MAINTENANCE OF TRAFFIC

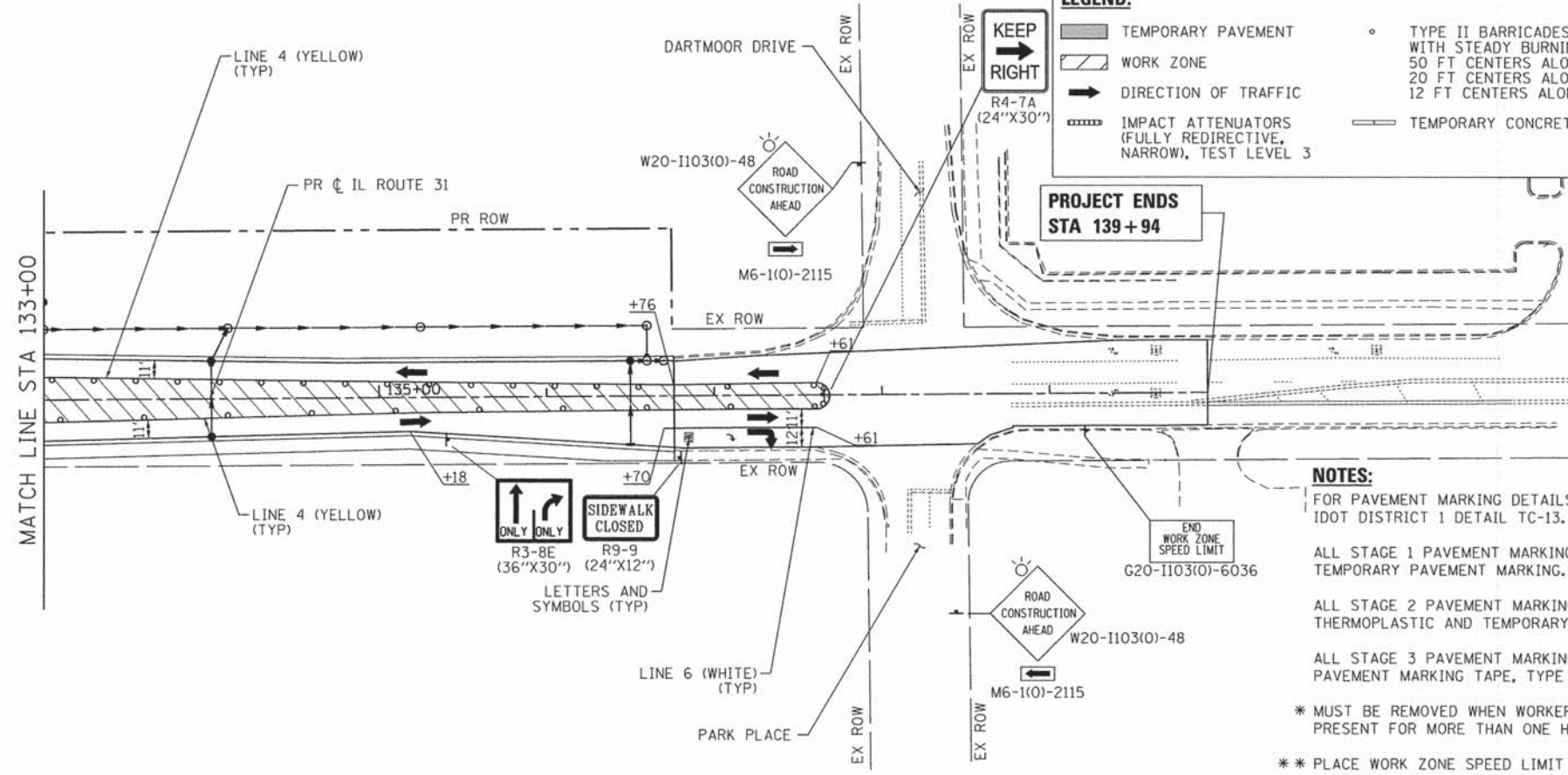


SEE CHARLES J. MILLER ROAD MAINTENANCE OF TRAFFIC

SEE INTERSECTION STAGING PLAN FOR INTERIM STAGES AT IL 31 AND CHARLES J. MILLER RD/ BULL VALLEY RD

LEGEND:

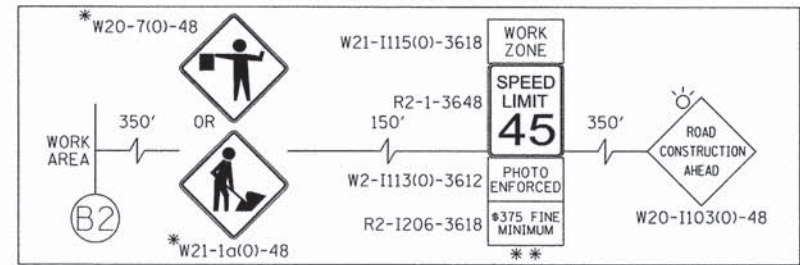
- TEMPORARY PAVEMENT
- WORK ZONE
- DIRECTION OF TRAFFIC
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
- TEMPORARY CONCRETE BARRIER
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- DOUBLE VERTICAL PANEL WITH STEADY BURNING BI-DIRECTIONAL LIGHT @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TYPE III BARRICADES WITH FLASHING LIGHTS



NOTES:

- FOR PAVEMENT MARKING DETAILS, SEE IDOT DISTRICT 1 DETAIL TC-13.
- ALL STAGE 1 PAVEMENT MARKINGS SHALL BE TEMPORARY PAVEMENT MARKING.
- ALL STAGE 2 PAVEMENT MARKINGS ON HMA SHALL BE THERMOPLASTIC AND TEMPORARY PAVEMENT MARKING ON PCC.
- ALL STAGE 3 PAVEMENT MARKINGS SHALL BE PAVEMENT MARKING TAPE, TYPE III.
- * MUST BE REMOVED WHEN WORKERS/FLAGGERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.
- ** PLACE WORK ZONE SPEED LIMIT SIGNING 500' FROM WORK ZONE AND WITHIN 500' DOWNSTREAM OF ALL MAJOR INTERSECTIONS.

ADVANCED SIGNING DETAIL



COMPANY NAME: HRGreen.com
 PROJECT CONTACT: JPA
 CLIENT: STATE OF ILLINOIS
 DATE PLOTTED: 12/4/2014 9:07:43 AM
 FILE NAME: 090071-mot3-07.dgn
 PLOT DRIVER: pdfplot
 PEN TABLE: standard-trans.tbl

HRGreen.com
 Illinois Professional Design Firm
 #184-001322

USER NAME = tje1ton	DESIGNED - JPA	REVISED -
FILE NAME = 090071-mot3-07.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - JLP	REVISED -
PLOT DATE = 12/4/2014	DATE - 12/5/14	REVISED -

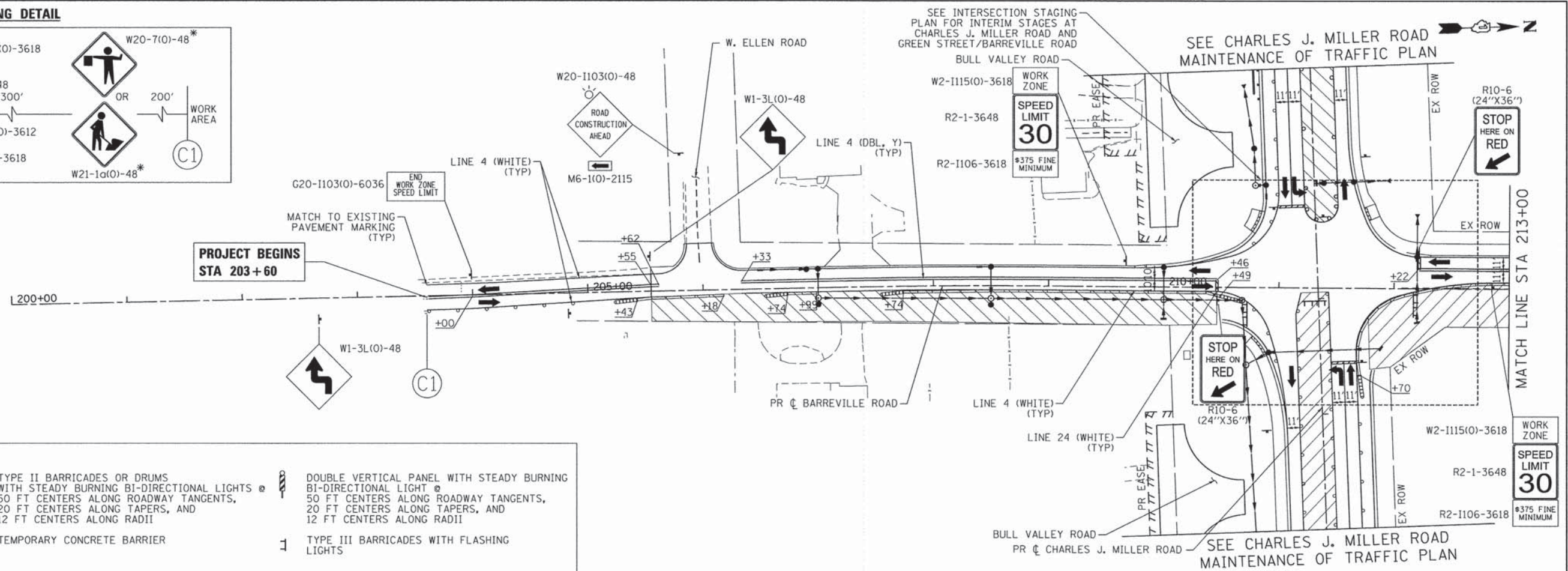
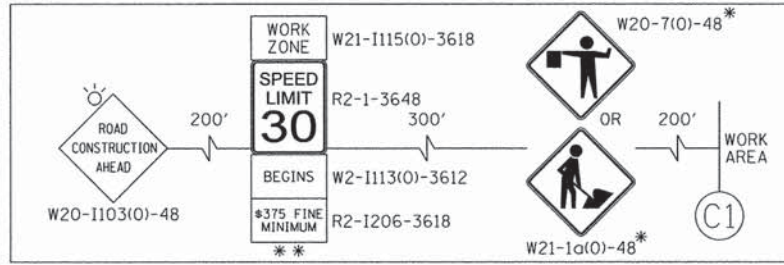
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 3
 IL ROUTE 31**

SCALE: 1" = 50' SHEET NO. 33 OF 46 SHEETS STA. TO STA.

F.A.U. RTE. 3860	SECTION 09-00372-01-PW	COUNTY MCHENRY	TOTAL SHEETS 358	SHEET NO. 76
FED. ROAD DIST. NO. ILLINOIS/FED. AID PROJECT			CONTRACT NO. 63892	

ADVANCED SIGNING DETAIL

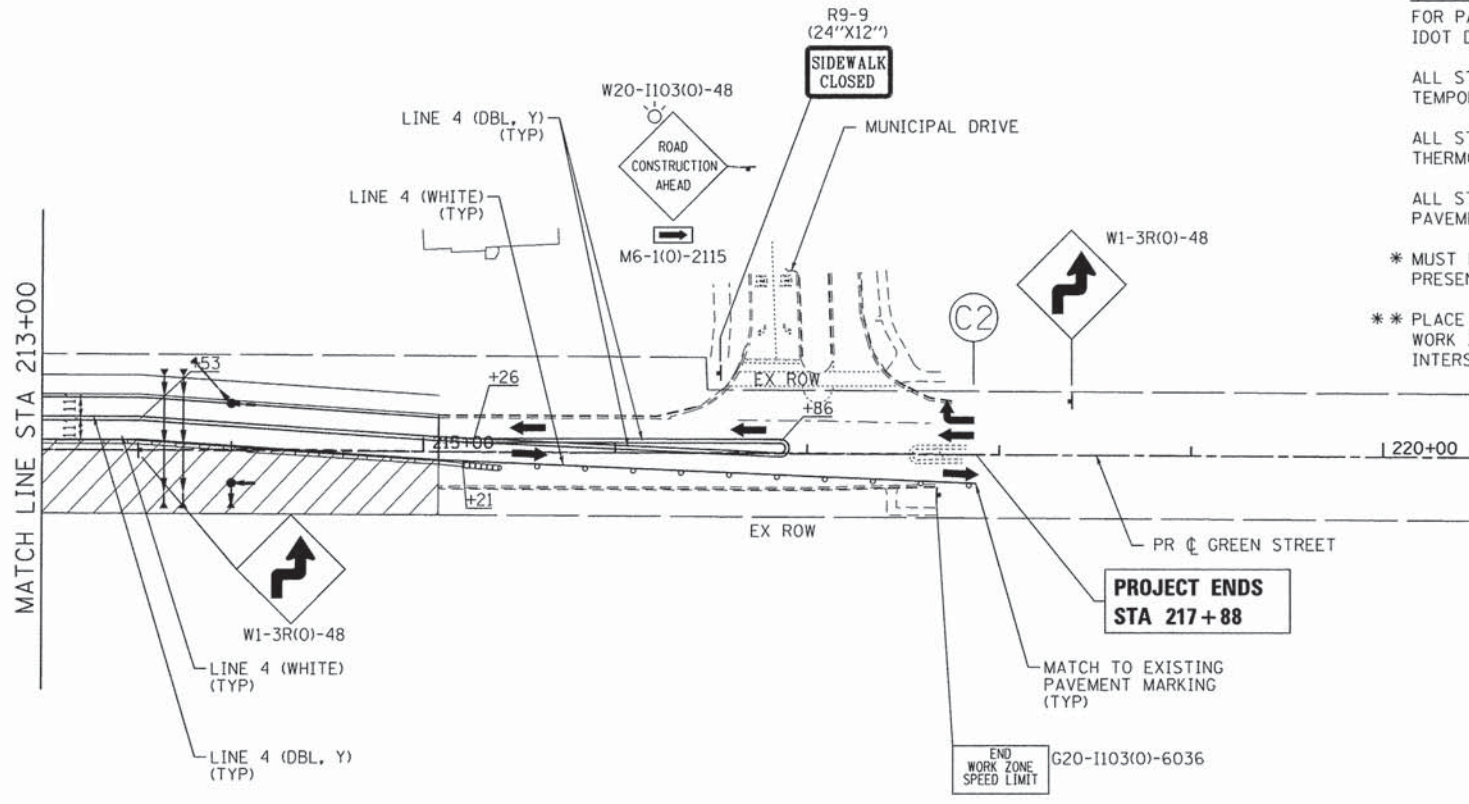


LEGEND:

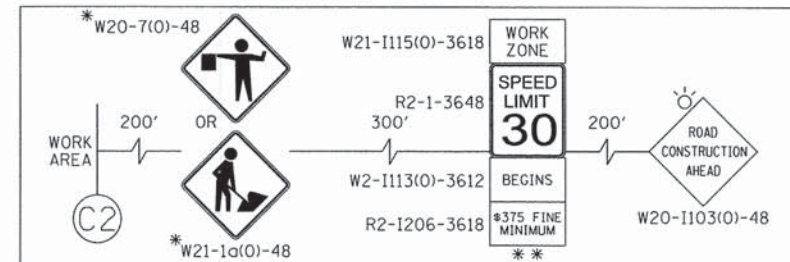
- TEMPORARY PAVEMENT
- WORK ZONE
- DIRECTION OF TRAFFIC
- IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHTS @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII
- TEMPORARY CONCRETE BARRIER
- TYPE III BARRICADES WITH FLASHING LIGHTS
- DOUBLE VERTICAL PANEL WITH STEADY BURNING BI-DIRECTIONAL LIGHT @ 50 FT CENTERS ALONG ROADWAY TANGENTS, 20 FT CENTERS ALONG TAPERS, AND 12 FT CENTERS ALONG RADII

NOTES:

- FOR PAVEMENT MARKING DETAILS, SEE IDOT DISTRICT 1 DETAIL TC-13.
- ALL STAGE 1 PAVEMENT MARKINGS SHALL BE TEMPORARY PAVEMENT MARKING.
- ALL STAGE 2 PAVEMENT MARKINGS ON HMA SHALL BE THERMOPLASTIC AND TEMPORARY PAVEMENT MARKING ON PCC.
- ALL STAGE 3 PAVEMENT MARKINGS SHALL BE PAVEMENT MARKING TAPE, TYPE III.
- * MUST BE REMOVED WHEN WORKERS/FLAGGERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.
- ** PLACE WORK ZONE SPEED LIMIT SIGNING 500' FROM WORK ZONE AND WITHIN 500' DOWNSTREAM OF ALL MAJOR INTERSECTIONS.



ADVANCED SIGNING DETAIL



COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 CLIENT: Illinois Professional Design Firm
 DATE PLOTTED: 12/4/2014 9:07:51 AM
 FILE NAME: 090071-mot3-08.dgn
 PLOT DRIVER: pdfplot
 PEN TABLE: standard-trans.tbl



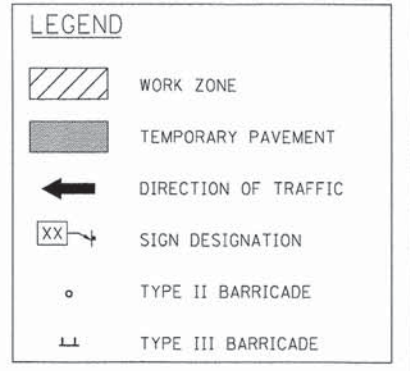
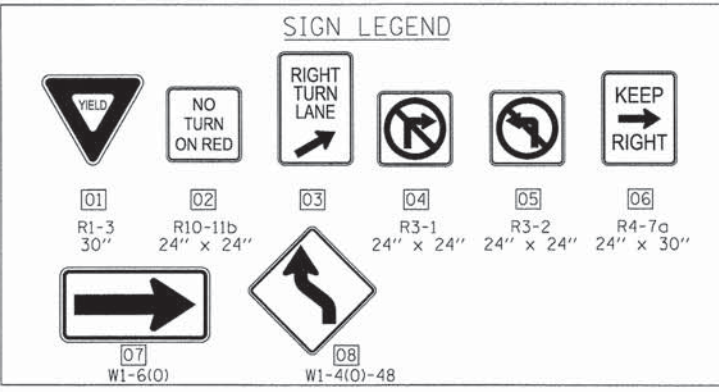
USER NAME = tjelton	DESIGNED - JPA	REVISED -
FILE NAME = 090071-mot3-08.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - JLP	REVISED -
PLOT DATE = 12/4/2014	DATE - 12/5/14	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 3
 GREEN STREET/BARREVILLE ROAD**

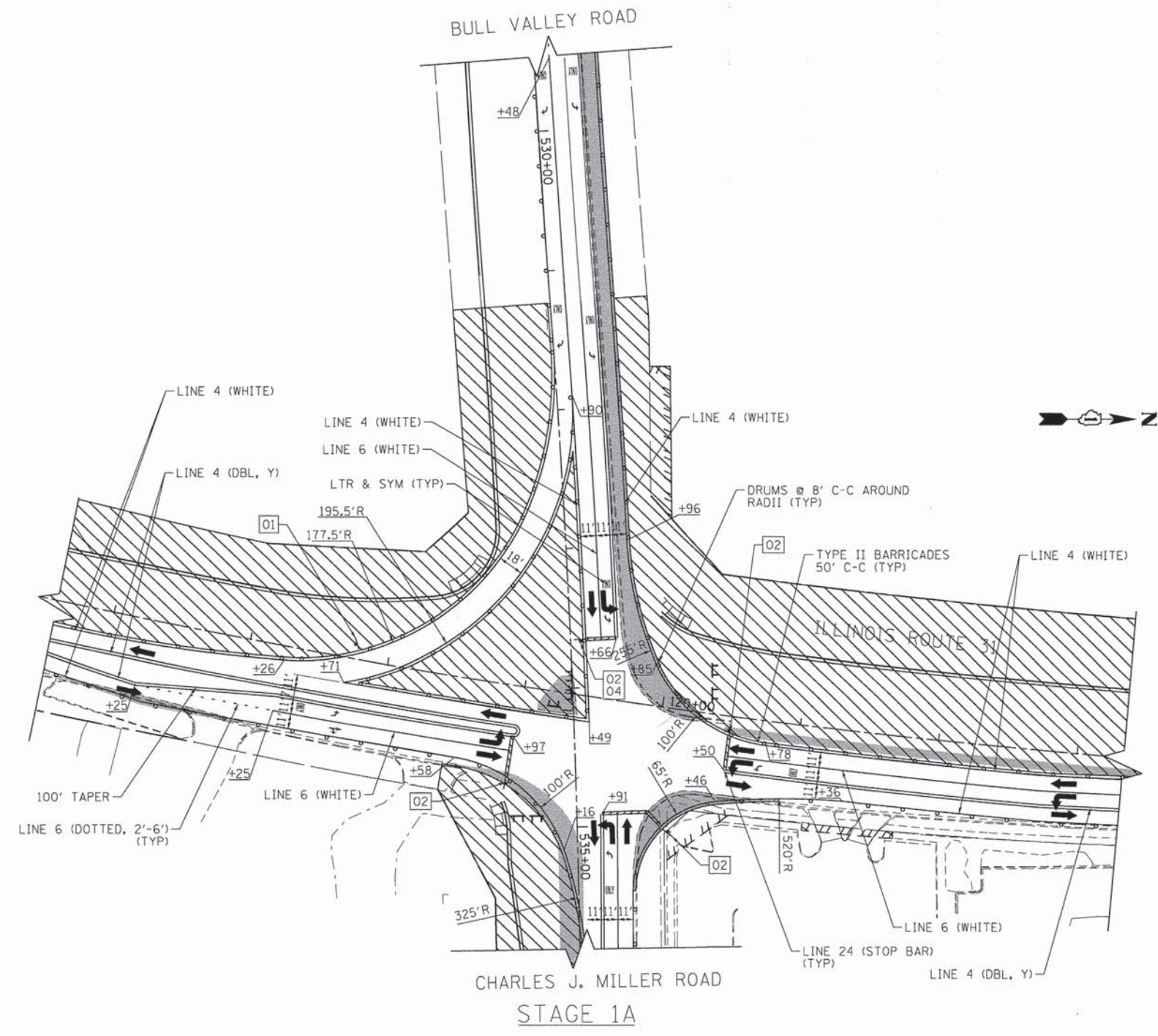
SCALE: 1" = 50' SHEET NO. 34 OF 46 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	77
CONTRACT NO. 63892			ILLINOIS FED. AID PROJECT	



STAGE 1A CONSTRUCTION NOTES

- TRAFFIC PATTERNS FOR BULL VALLEY RD./CHARLES J. MILLER RD. AND ILLINOIS ROUTE 31 SHALL REMAIN THE SAME AS SHOWN IN STAGE 1 EXCEPT AS FOLLOWS:
-THE EASTBOUND TO SOUTHBOUND RIGHT TURN LANE WILL BE SHIFTED AS SHOWN
-THE SOUTH LEG NORTHBOUND LANES WILL BE SHIFTED 7' TO THE EAST TO PROVIDE A PAINTED MEDIAN.
- GRIND EXISTING PAVEMENT WITHIN THE INTERSECTION FLUSH WITH PROPOSED PAVEMENT OR PLACE TEMPORARY RAMPING AS DIRECTED BY THE ENGINEER TO PROVIDE A SMOOTH TRANSITION FOR VEHICLES TRAVELLING BETWEEN EXISTING PAVEMENT AND NEW PAVEMENT. THIS WORK SHALL NOT BE MEASURED FOR PAVEMENT BUT SHALL BE INCLUDED IN TRAFFIC CONTROL AND PROTECTION, (SPECIAL).



COMPANY NAME: HRGreen
PROJECT CONTACT: HRGreen.com
CLIENT: HRGreen.com
DATE PLOTTED: 11/11/2014 10:30:35 AM
DRAWN BY: JPA
PLOT DRIVER: JPA
PEN TABLE: Standard-Trans.tbl



USER NAME = tjelton	DESIGNED - JPA	REVISED -
FILE NAME = 0902071-mot.int-01.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE - 11/12/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC	
BULL VALLEY/CHARLES J. MILLER ROAD AT IL ROUTE 31	
SCALE: 1" = 50'	SHEET NO. 35 OF 46 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	78
FED. ROAD DIST. NO.			CONTRACT NO. 63892	
ILLINOIS FED. AID PROJECT				

LEGEND

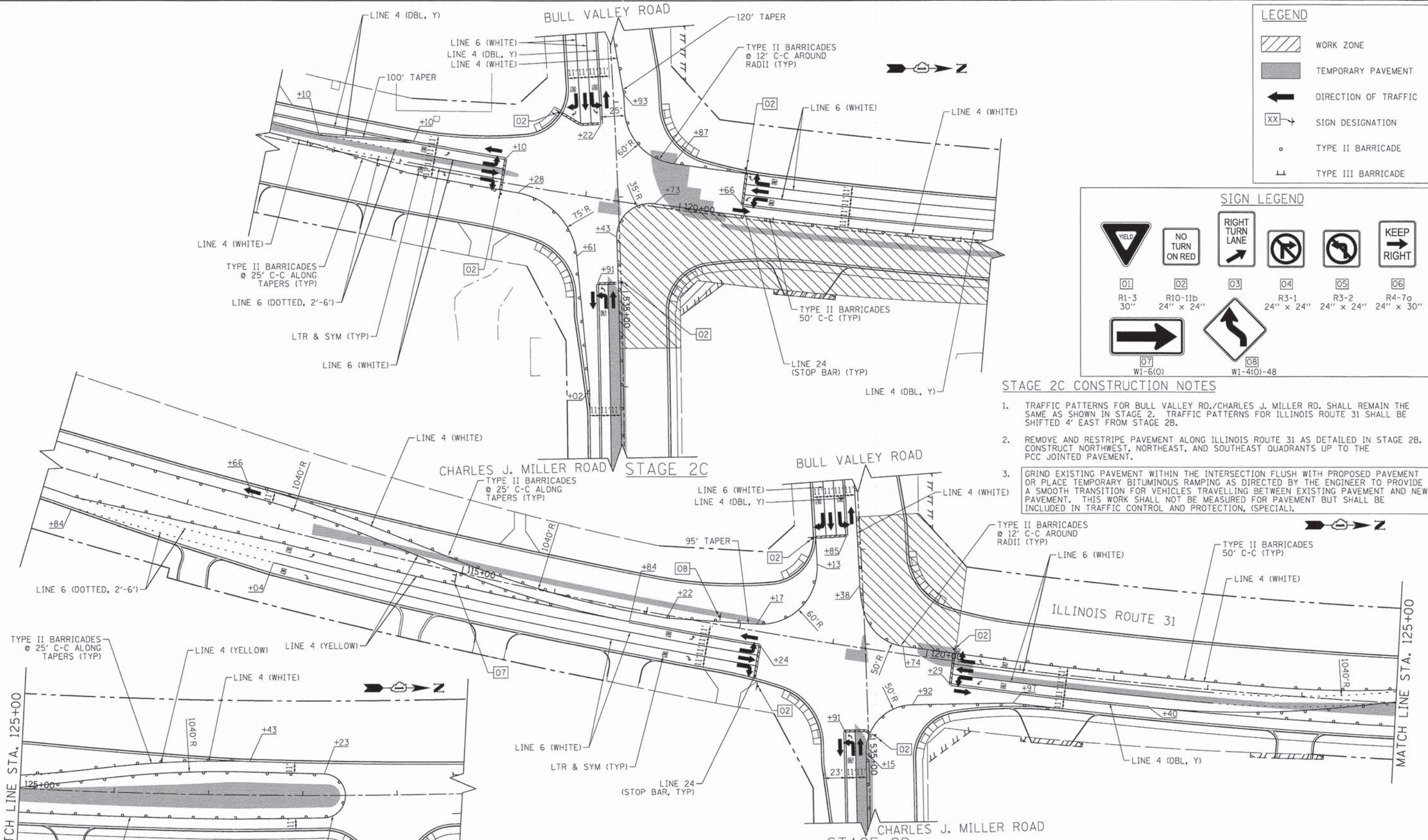
- WORK ZONE
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- SIGN DESIGNATION
- TYPE II BARRICADE
- TYPE III BARRICADE

SIGN LEGEND

- YIELD
- NO TURN ON RED
- RIGHT TURN LANE
- NO LEFT TURN
- NO RIGHT TURN
- KEEP RIGHT
- 01 R1-3 30"
- 02 R10-11b 24" x 24"
- 03 R3-1 24" x 24"
- 04 R3-2 24" x 24"
- 05 R4-7a 24" x 30"
- 07 W1-6(O)
- 08 W1-4(O)-48

STAGE 2C CONSTRUCTION NOTES

- TRAFFIC PATTERNS FOR BULL VALLEY RD./CHARLES J. MILLER RD. SHALL REMAIN THE SAME AS SHOWN IN STAGE 2. TRAFFIC PATTERNS FOR ILLINOIS ROUTE 31 SHALL BE SHIFTED 4' EAST FROM STAGE 2B.
- REMOVE AND RESTRIPE PAVEMENT ALONG ILLINOIS ROUTE 31 AS DETAILED IN STAGE 2B. CONSTRUCT NORTHWEST, NORTHEAST, AND SOUTHEAST QUADRANTS UP TO THE PCC JOINTED PAVEMENT.
- GRIND EXISTING PAVEMENT WITHIN THE INTERSECTION FLUSH WITH PROPOSED PAVEMENT OR PLACE TEMPORARY BITUMINOUS RAMPING AS DIRECTED BY THE ENGINEER TO PROVIDE A SMOOTH TRANSITION FOR VEHICLES TRAVELLING BETWEEN EXISTING PAVEMENT AND NEW PAVEMENT. THIS WORK SHALL NOT BE MEASURED FOR PAVEMENT BUT SHALL BE INCLUDED IN TRAFFIC CONTROL AND PROTECTION, (SPECIAL).



STAGE 2D CONSTRUCTION NOTES

- TRAFFIC PATTERNS FOR THE WEST LEG OF BULL VALLEY RD./CHARLES J. MILLER RD. SHALL REMAIN THE SAME AS SHOWN IN STAGE 2C EXCEPT AS SHOWN. CONSTRUCT SECTION OF PCC JOINTED PAVEMENT IN NORTHWEST QUADRANT.
- SHIFT NORTHBOUND AND SOUTHBOUND TRAFFIC ON ILLINOIS ROUTE 31 TO THE COMPLETED EAST SIDE AND STRIPE THE PAVEMENT AS SHOWN ON STAGE 2D.
- STRIPE EAST LEG PAVEMENT MARKINGS AS SHOWN ON STAGE 3A.
- GRIND EXISTING PAVEMENT WITHIN THE INTERSECTION FLUSH WITH PROPOSED PAVEMENT OR PLACE TEMPORARY BITUMINOUS RAMPING AS DIRECTED BY THE ENGINEER TO PROVIDE A SMOOTH TRANSITION FOR VEHICLES TRAVELLING BETWEEN EXISTING PAVEMENT AND NEW PAVEMENT. THIS WORK SHALL NOT BE MEASURED FOR PAVEMENT BUT SHALL BE INCLUDED IN TRAFFIC CONTROL AND PROTECTION, (SPECIAL).



COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 CLIENT: Illinois Professional Design Firm
 DATE PLOTTED: 11/11/2014 10:30:49 AM
 FILE NAME: 090071-mot-int-03.dgn
 PLOT SCALE: 1" = 50'
 PLOT DATE: 11/11/2014



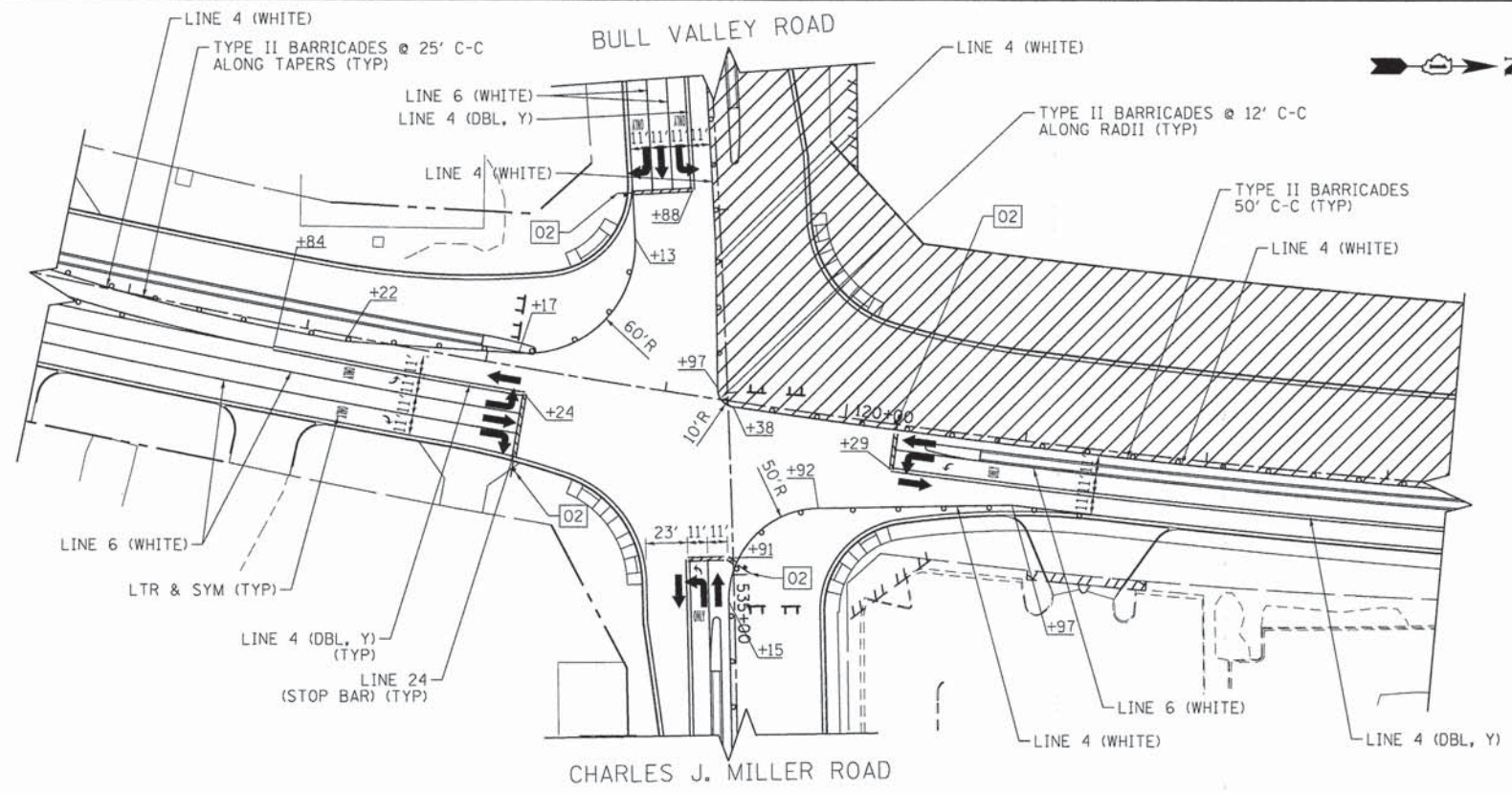
USER NAME = tyelson	DESIGNED - JPA	REVISED -
FILE NAME = 090071-mot-int-03.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE - 11/12/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

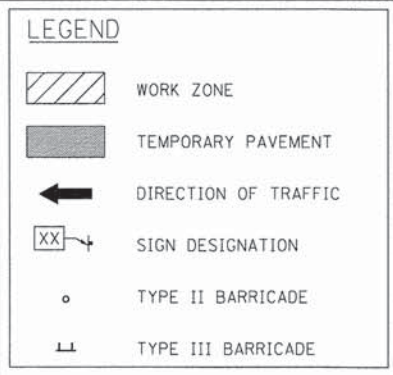
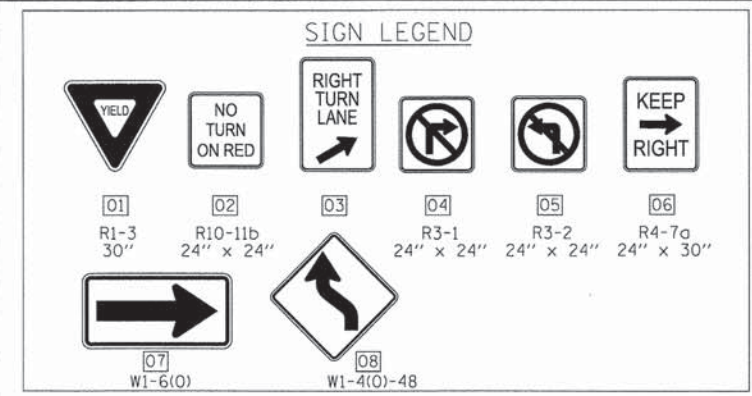
**SUGGESTED MAINTENANCE OF TRAFFIC
BULL VALLEY/CHARLES J. MILLER ROAD AT IL ROUTE 31**

SCALE: 1" = 50' SHEET NO. 37 OF 46 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	80
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63892	

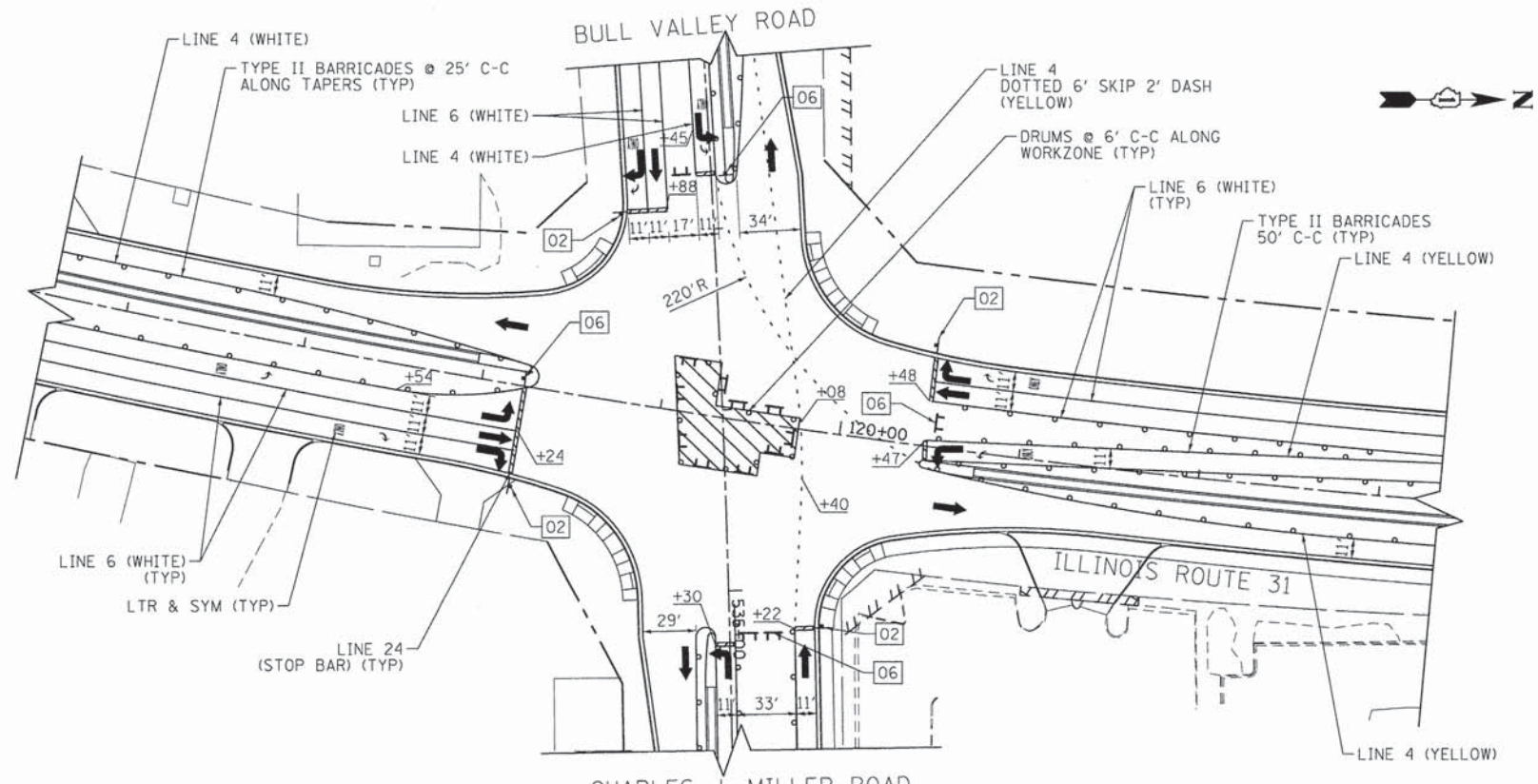


STAGE 3A



STAGE 3A CONSTRUCTION NOTES

1. TRAFFIC PATTERNS FOR THE WEST LEG OF BULL VALLEY RD./CHARLES J. MILLER RD. AND THE SOUTH LEG OF ILLINOIS ROUTE 31 SHALL REMAIN THE SAME AS SHOWN IN STAGE 2D.
2. SPLIT SOUTHBOUND THROUGH TRAFFIC AND THE SOUTHBOUND TO WESTBOUND RIGHT TRAFFIC AS DETAILED IN STAGE 3A. CONSTRUCT SECTION OF PCC JOINTED PAVEMENT IN NORTHWEST QUADRANT.
3. GRIND EXISTING PAVEMENT WITHIN THE INTERSECTION FLUSH WITH PROPOSED PAVEMENT OR PLACE TEMPORARY BITUMINOUS RAMPING AS DIRECTED BY THE ENGINEER TO PROVIDE A SMOOTH TRANSITION FOR VEHICLES TRAVELLING BETWEEN EXISTING PAVEMENT AND NEW PAVEMENT. THIS WORK SHALL NOT BE MEASURED FOR PAVEMENT BUT SHALL BE INCLUDED IN TRAFFIC CONTROL AND PROTECTION, (SPECIAL).



STAGE 3B

STAGE 3B CONSTRUCTION NOTES

1. TRAFFIC PATTERNS FOR BULL VALLEY RD. AND ILLINOIS ROUTE 31 SHALL REMAIN THE SAME AS SHOWN IN STAGE 3 EXCEPT AT NOTED BELOW.
2. RESTRIPE THE LEFT TURN LANES, AND RESTRIPE THE WESTBOUND RIGHT AND THROUGH FOR CHARLES J. MILLER ROAD. CONSTRUCT INTERSECTION CENTER UP TO THE PCC JOINTED PAVEMENT.
3. GRIND EXISTING PAVEMENT WITHIN THE INTERSECTION FLUSH WITH PROPOSED PAVEMENT OR PLACE TEMPORARY BITUMINOUS RAMPING AS DIRECTED BY THE ENGINEER TO PROVIDE A SMOOTH TRANSITION FOR VEHICLES TRAVELLING BETWEEN EXISTING PAVEMENT AND NEW PAVEMENT. THIS WORK SHALL NOT BE MEASURED FOR PAVEMENT BUT SHALL BE INCLUDED IN TRAFFIC CONTROL AND PROTECTION, (SPECIAL).



COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm #184-001322
 DATE PLOTTED: 11/11/2014 10:31:00 AM
 CLIENT: 090071-mot-int-04.dgn
 FILE NAME: 090071-mot-int-04.dgn
 PLOT SCALE: 1" = 50'
 PLOT DATE: 11/11/2014

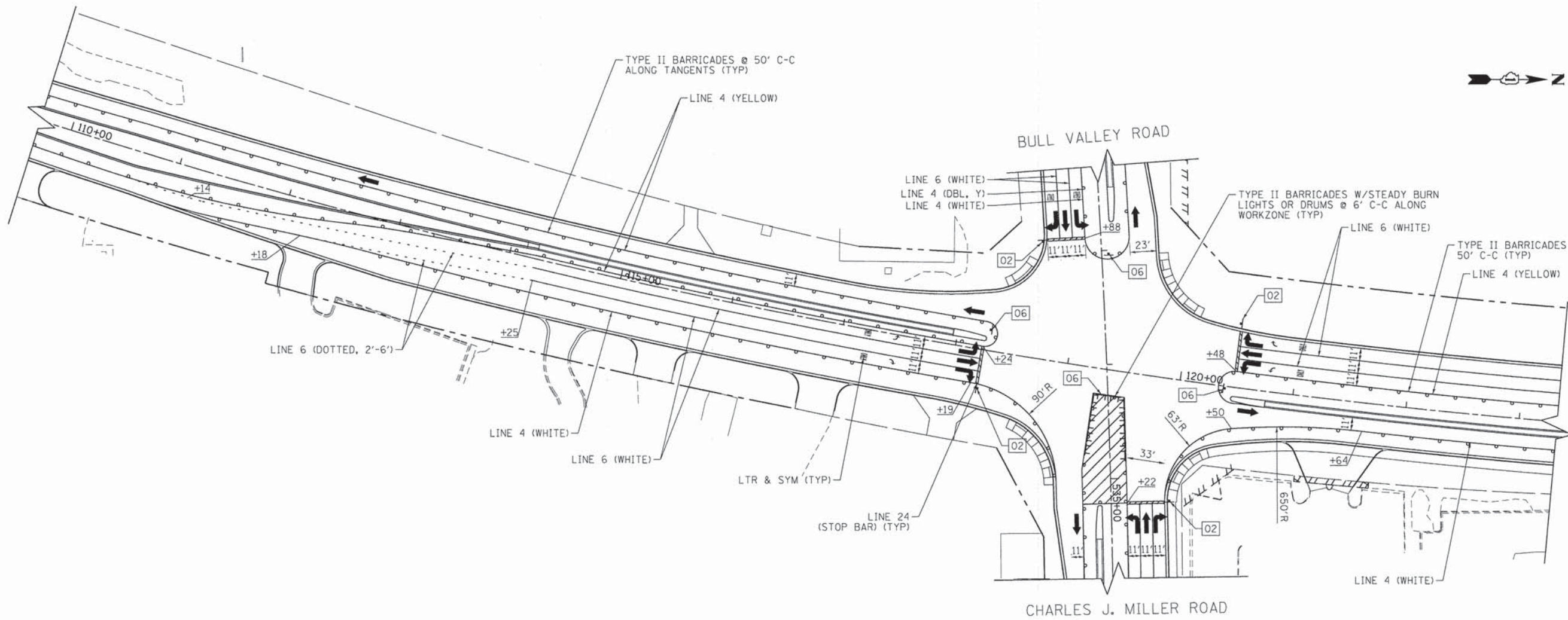


USER NAME = tyelton	DESIGNED - JPA	REVISED -
FILE NAME = 090071-mot-int-04.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE - 11/12/14	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC
 BULL VALLEY/CHARLES J. MILLER ROAD AT IL ROUTE 31
 SCALE: 1" = 50' SHEET NO. 38 OF 46 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	81
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63892	



CHARLES J. MILLER ROAD

STAGE 3C

STAGE 3C CONSTRUCTION NOTES

1. TRAFFIC PATTERNS FOR BULL VALLEY RD./CHARLES J. MILLER RD. AND THE SOUTH LEG OF ILLINOIS ROUTE 31 SHALL REMAIN THE SAME AS SHOWN IN STAGE 3B.
2. SHIFT NORTHBOUND TRAFFIC TO EASTERN EDGE OF BARRIER MEDIAN, AS SHOWN ON STAGE 3C. CONSTRUCT REMAINDER OF INTERSECTION CENTER UP TO THE PCC JOINTED PAVEMENT.

LEGEND

- WORK ZONE
- TEMPORARY PAVEMENT
- DIRECTION OF TRAFFIC
- SIGN DESIGNATION
- TYPE II BARRICADE
- TYPE III BARRICADE

SIGN LEGEND

- YIELD
 - NO TURN ON RED
 - RIGHT TURN LANE
 - NO LEFT TURN
 - NO RIGHT TURN
 - KEEP RIGHT
 - [07] W1-6(0)
 - [08] W1-4(0)-48
- [01] R1-3 30"
 [02] R10-11b 24" x 24"
 [03] R3-1 24" x 24"
 [04] R3-2 24" x 24"
 [05] R4-7c 24" x 30"



COMPANY NAME: HRGreen
 PROJECT CONTACT: J. J. J. J.
 DATE PLOTTED: 11/11/2014 10:27:05 AM
 FILE NAME: 090071-mat-int-05.dgn
 PLOT DRIVER: pdfplot
 PEN TABLE: standard-trans.tbl



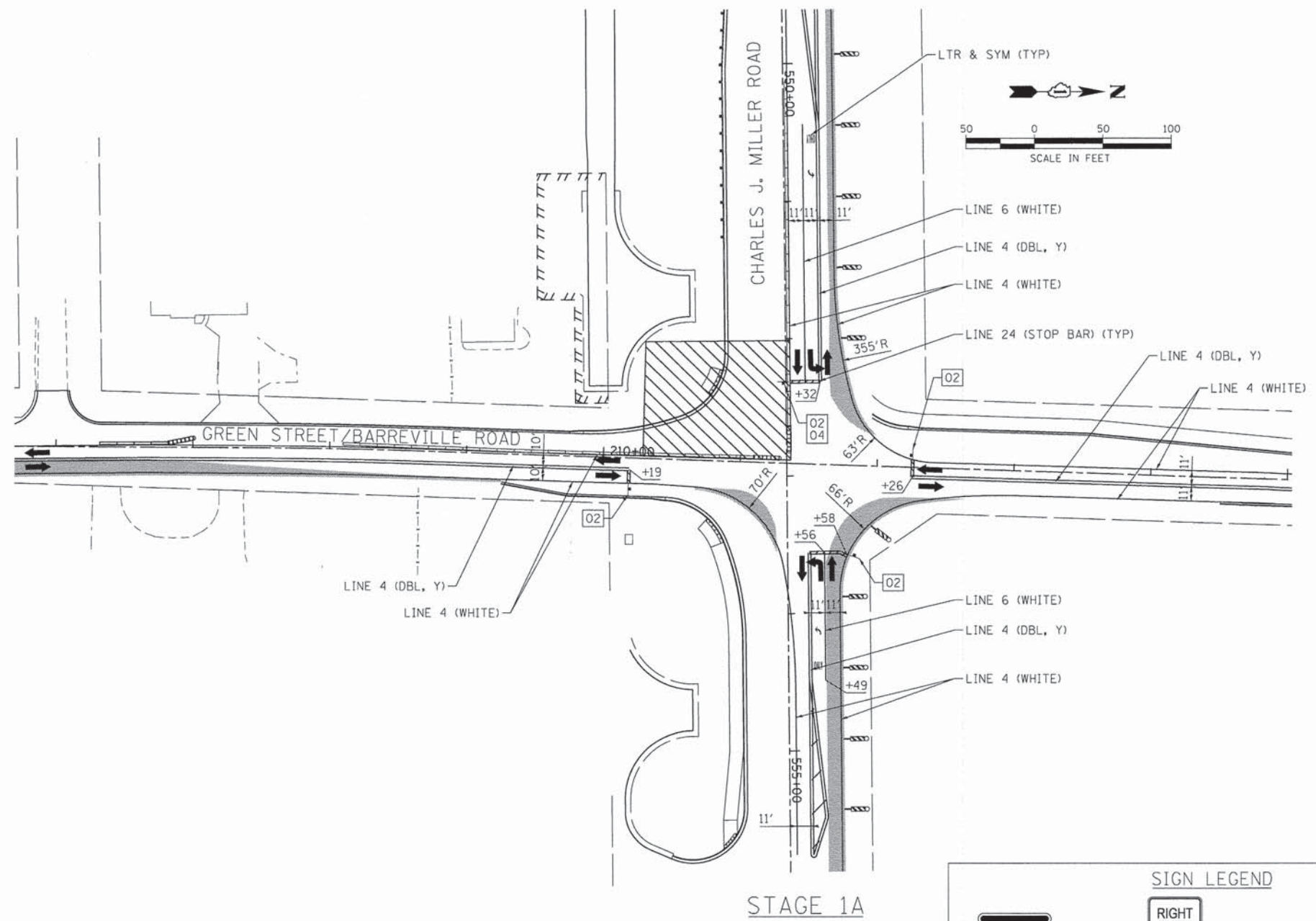
USER NAME = tyelton	DESIGNED - JPA	REVISED -
FILE NAME = 090071-mat-int-05.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE - 11/12/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC
BULL VALLEY/CHARLES J. MILLER ROAD AT IL ROUTE 31

SCALE: 1" = 50' SHEET NO. 39 OF 46 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	82
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63892	



STAGE 1A

SIGN LEGEND

01 R1-3 30"	02 R10-11b 24" x 24"	03	04 R3-1 24" x 24"	05 R3-2 24" x 24"	06 R4-7a 24" x 30"
07 W1-6(O)	08 W1-4(O)-48				

LEGEND

	WORK ZONE
	TEMPORARY PAVEMENT
	DIRECTION OF TRAFFIC
	SIGN DESIGNATION
	TYPE II BARRICADE
	TYPE III BARRICADE

STAGE 1A CONSTRUCTION NOTES

1. TRAFFIC PATTERNS FOR BULL VALLEY RD./CHARLES J. MILLER RD. AND GREEN ST./BARREVILLE RD. SHALL REMAIN THE SAME AS STAGE 1 EXCEPT THE EASTBOUND TO SOUTHBOUND RIGHT SHALL BE PROHIBITED TO BUILD THE SOUTHWEST QUADRANT.
2. GRIND EXISTING PAVEMENT WITHIN THE INTERSECTION FLUSH WITH PROPOSED PAVEMENT OR PLACE TEMPORARY RAMPING AS DIRECTED BY THE ENGINEER TO PROVIDE A SMOOTH TRANSITION FOR VEHICLES TRAVELLING BETWEEN EXISTING PAVEMENT AND NEW PAVEMENT. THIS WORK SHALL BE PAID FOR AS TEMPORARY RAMP.

COMPANY NAME: HRGreen
 PROJECT CONTACT: J. J. J. J.
 CLIENT: MCHENRY COUNTY
 DATE PLOTTED: 11/11/2014 10:35:09 AM
 FILE NAME: 090001-mot-int-01.green.dgn
 PLOT DRIVER: jlp
 PEN TABLE: standard-trans.tbl



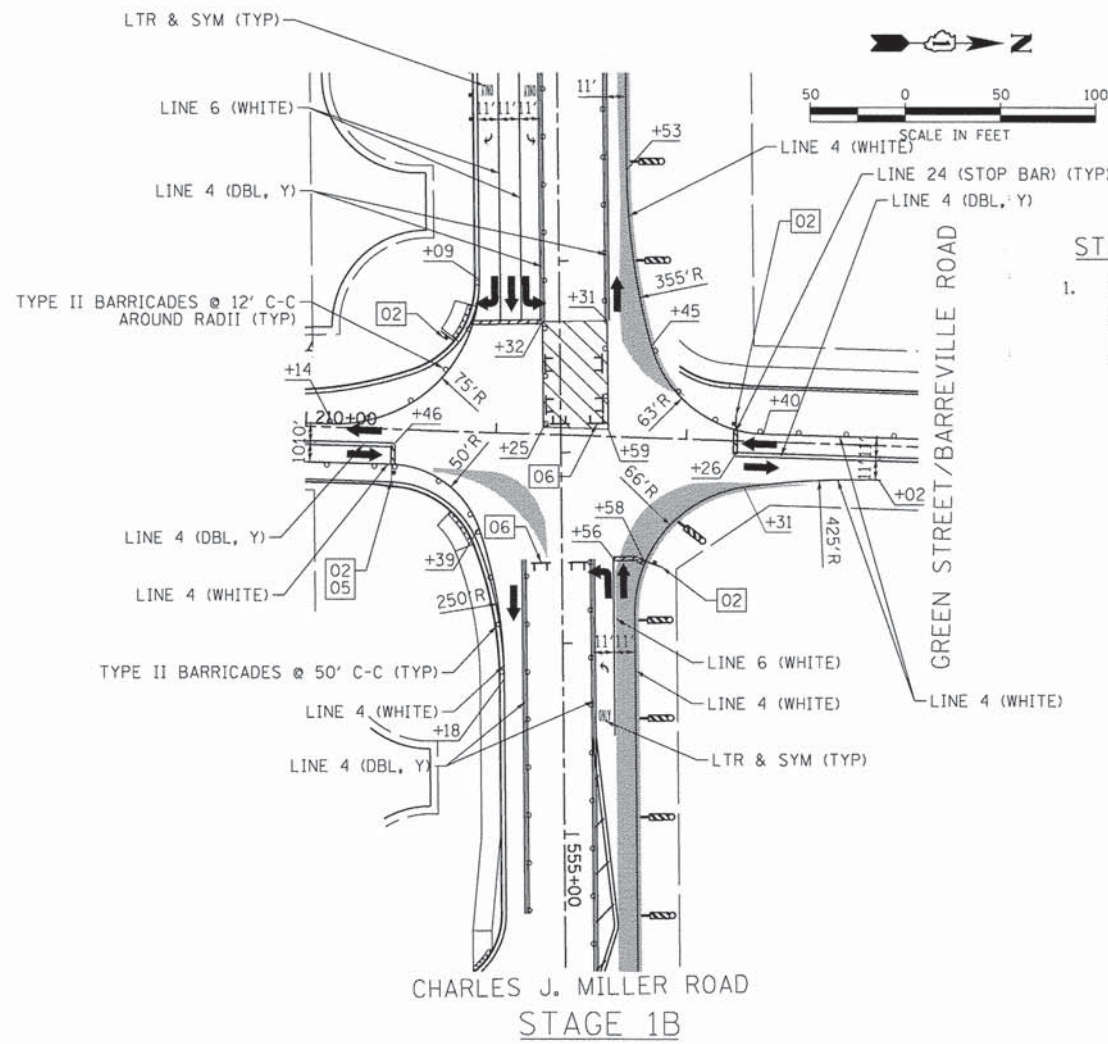
USER NAME = tjelton	DESIGNED - JPA	REVISED -
FILE NAME = 090001-mot-int-01.green.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE = 11/12/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC
CHARLES J. MILLER ROAD AT GREEN ST/ BARREVILLE RD**

SCALE: 1" = 50' SHEET NO. 40 OF 46 SHEETS STA. TO STA.

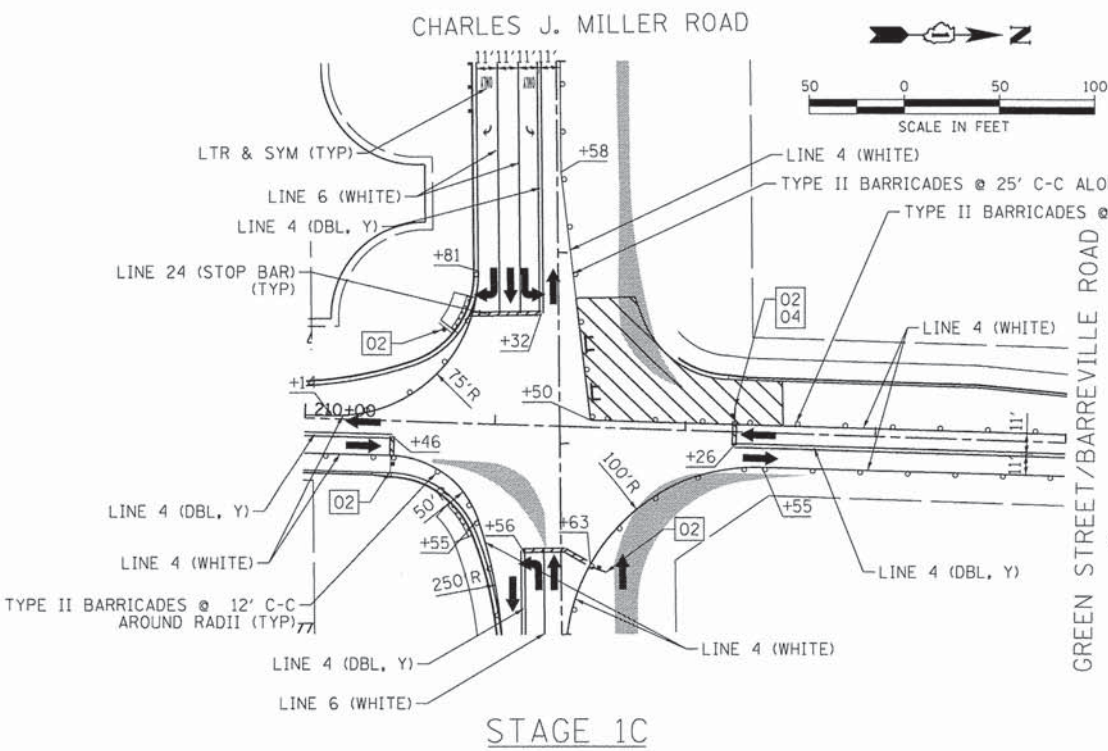
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	83
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63892	



STAGE 1B CONSTRUCTION NOTES

1. TRAFFIC PATTERNS FOR GREEN ST./BARREVILLE RD. SHALL REMAIN THE SAME AS STAGE 1B. TRAFFIC PATTERNS FOR BULL VALLEY RD./CHARLES J. MILLER RD. WILL REMAIN THE SAME AS STAGE 1B EXCEPT THE WEST LEG LANES WILL BE SHIFTED SOUTH ONTO THE NEW PAVEMENT AND THE NORTHBOUND TO WESTBOUND LEFT TURN MOVEMENT WILL BE PROHIBITED. LANES WILL BE STRIPPED AS SHOWN.

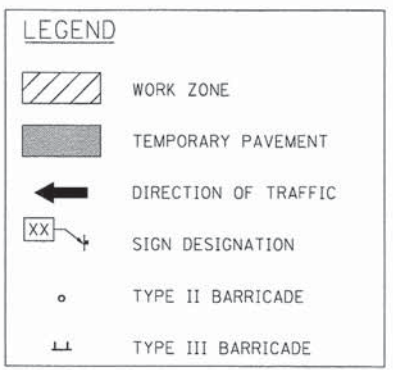
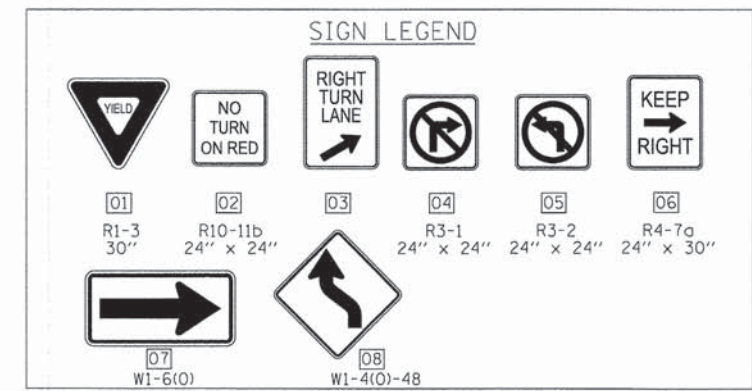
CHARLES J. MILLER ROAD
STAGE 1B



STAGE 1C CONSTRUCTION NOTES

1. TRAFFIC PATTERNS FOR BULL VALLEY RD./CHARLES J. MILLER RD. AND GREEN ST./BARREVILLE RD. SHALL REMAIN THE SAME AS AS STAGE 1B EXCEPT AS FOLLOWS; THE EAST LEG TRAFFIC SHALL BE SHIFTED SOUTH ONTO THE NEW PAVEMENT, THE NORTHBOUND TO WESTBOUND LEFT TURN MOVEMENT WILL BE PERMITTED, AND THE SOUTHBOUND TO WESTBOUND RIGHT TURN MOVEMENT WILL BE PROHIBITED.

CHARLES J. MILLER ROAD
STAGE 1C



COMPANY NAME: HRGreen
 PROJECT CONTACT: J. J. J. J.
 DATE PLOTTED: 11/11/2014 10:32:14 AM
 FILE NAME: 090372-mot-int-02.green.dgn
 PLOT DRIVER: pdfplot
 PEN TABLE: standard-trans.tbl

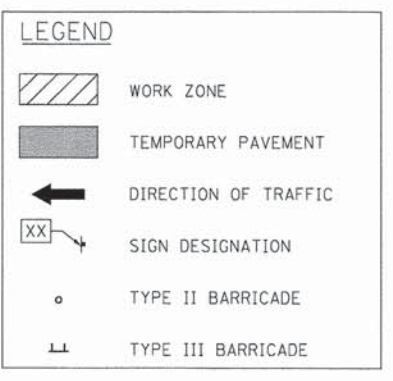
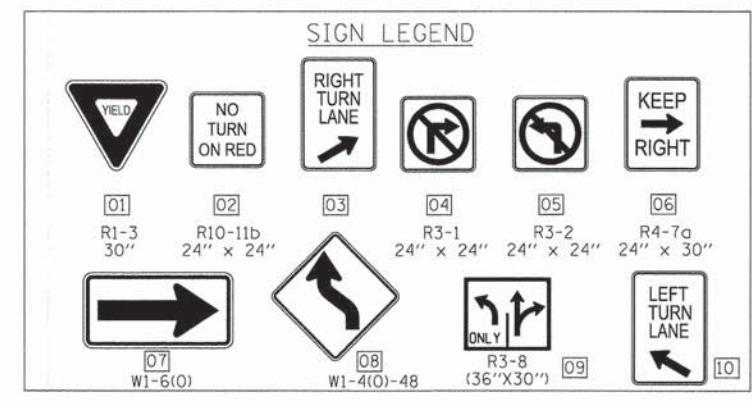
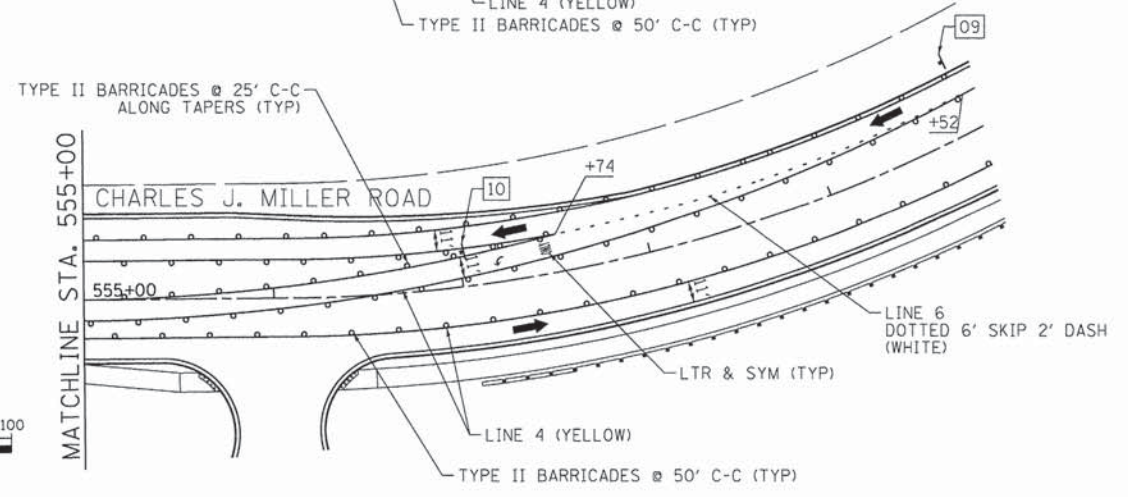
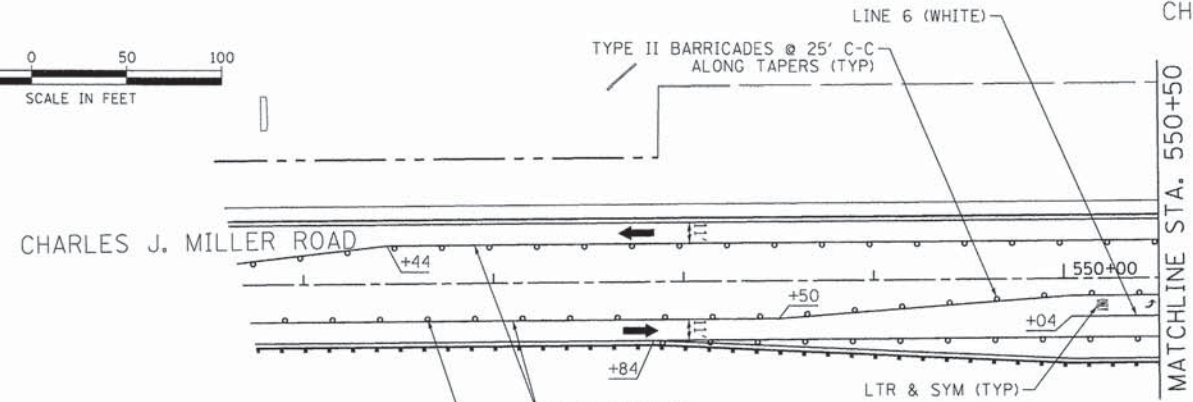
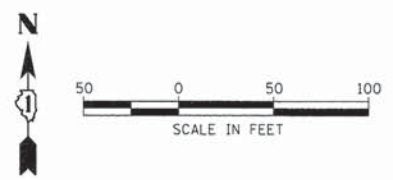
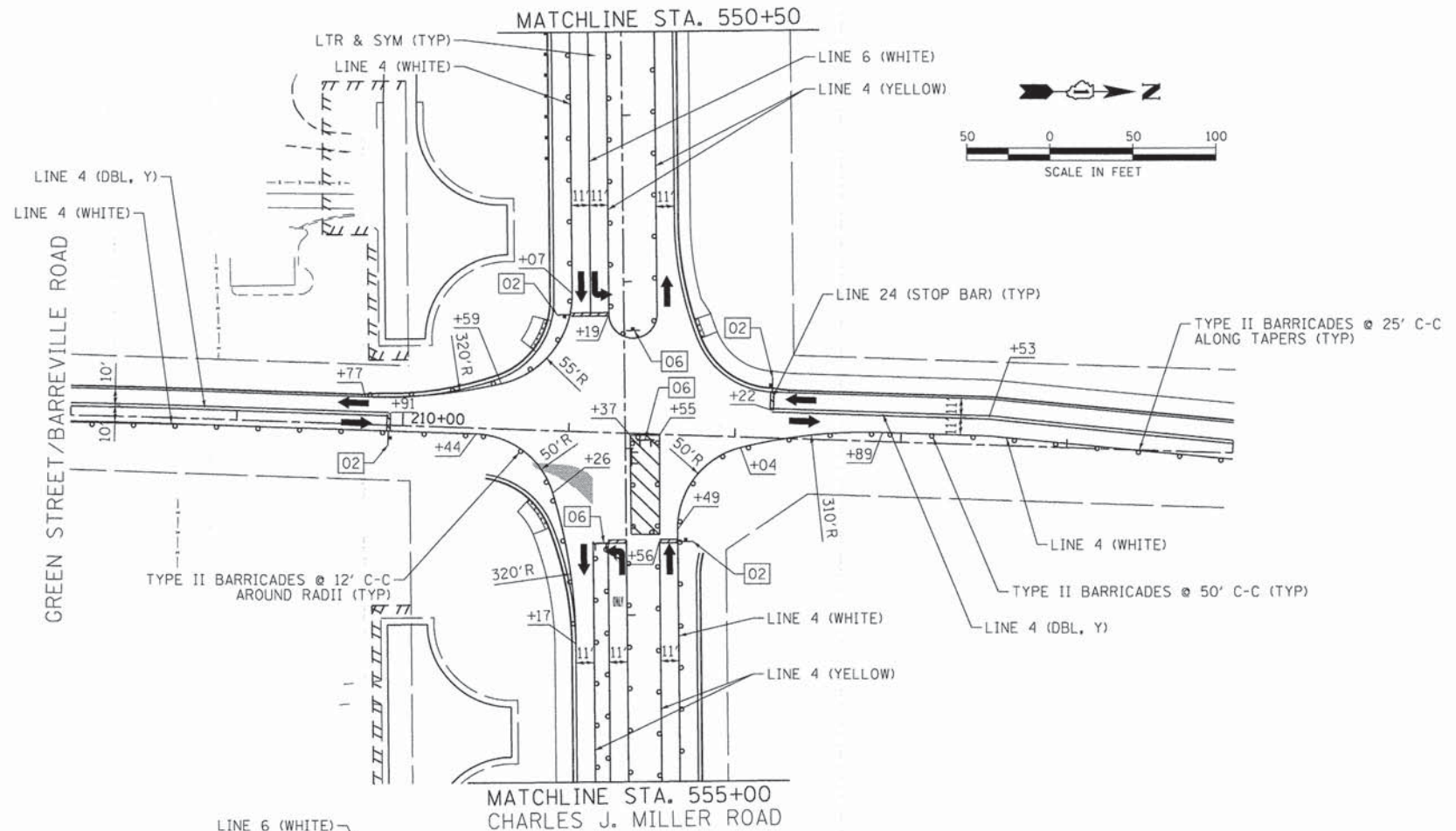


USER NAME = tjelton	DESIGNED - JPA	REVISED -
FILE NAME = 090372-mot-int-02.green.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE - 11/12/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED MAINTENANCE OF TRAFFIC
CHARLES J. MILLER ROAD AT GREEN ST/BARREVILLE RD
SCALE: 1" = 50' SHEET NO. 41 OF 46 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	84
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63892	



STAGE 3A CONSTRUCTION NOTES

1. TRAFFIC PATTERNS FOR BULL VALLEY RD./CHARLES J. MILLER RD. AND GREEN ST./BARREVILLE RD. SHALL REMAIN THE SAME AS STAGE 3 EXCEPT THE WESTBOUND TO SOUTHBOUND LEFT SHALL BE SHIFTED TO THE SOUTH.

STAGE 3A

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: JLP
 CLIENT: HRGreen.com
 FILE NAME: 090071-mat-int-05-green.dgn
 PLOT DATE: 11/11/2014 02:53:31 AM
 PLOT SCALE: 1" = 50'
 PLOT DRIVER: paf/sh
 PEN TABLE: standard-trans.tbl



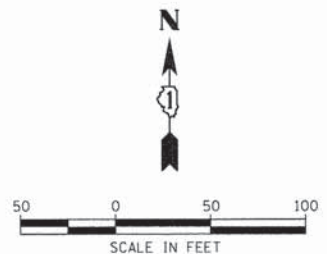
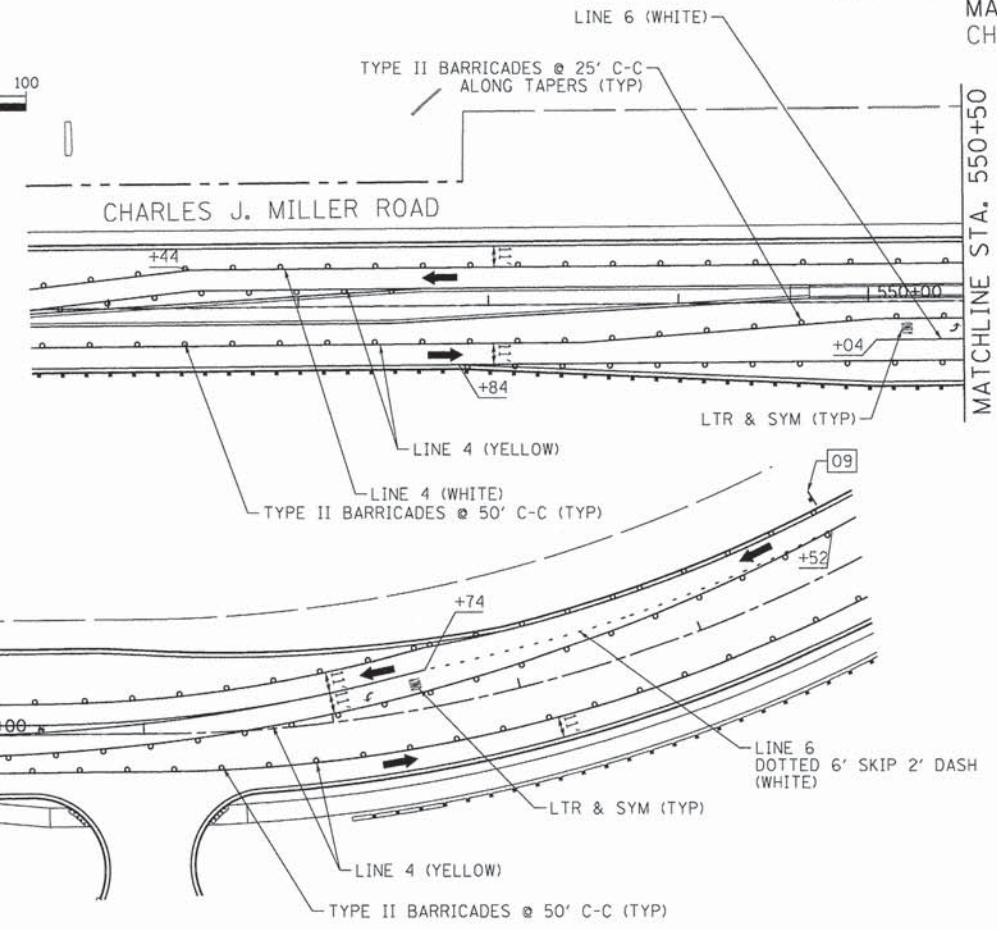
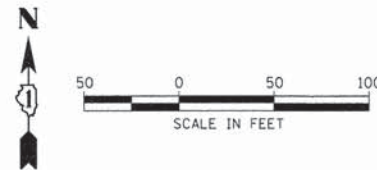
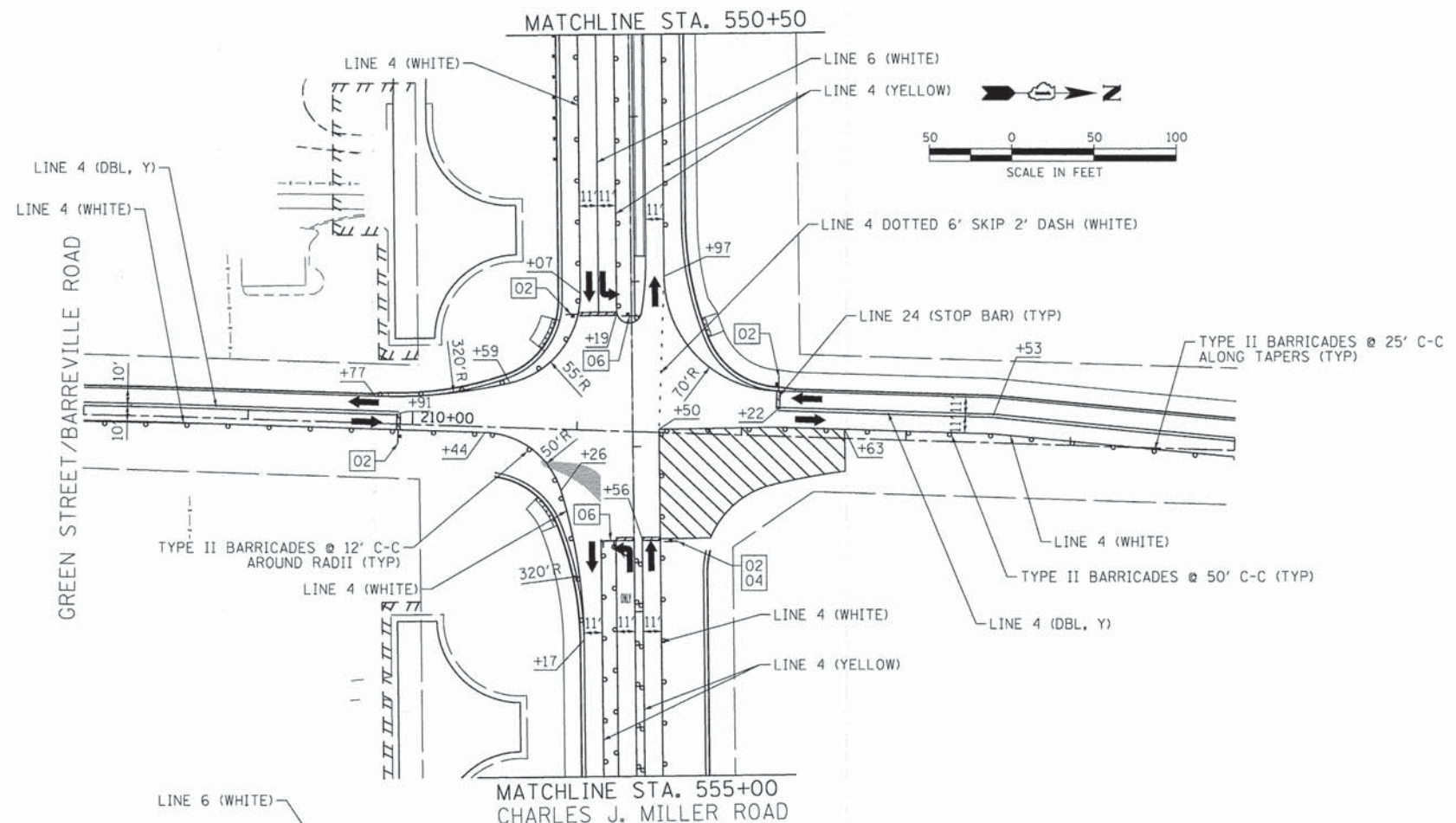
USER NAME = jlp	DESIGNED - JPA	REVISED -
FILE NAME = 090071-mat-int-05-green.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE - 11/12/14	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC
 CHARLES J. MILLER ROAD AT GREEN ST./BARREVILLE RD**

SCALE: 1" = 50' SHEET NO. 44 OF 46 SHEETS STA. TO STA.

F.A.J. RTE. 3860	SECTION 09-00372-01-PW	COUNTY MCHENRY	TOTAL SHEETS 358	SHEET NO. 87
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63892	



SIGN LEGEND

[01] R1-3 30"	[02] R10-11b 24" x 24"	[03] R3-1 24" x 24"	[05] R3-2 24" x 24"	[06] R4-7a 24" x 30"
[07] W1-6(O)	[08] W1-4(O)-48	[09] R3-8E (36" x 30")		

LEGEND

	WORK ZONE
	TEMPORARY PAVEMENT
	DIRECTION OF TRAFFIC
	SIGN DESIGNATION
	TYPE II BARRICADE
	TYPE III BARRICADE

STAGE 3B CONSTRUCTION NOTES

- TRAFFIC PATTERNS FOR BULL VALLEY RD./CHARLES J. MILLER RD, AND GREEN ST./BARREVILLE RD. SHALL REMAIN THE SAME AS STAGE 3A EXCEPT THE WESTBOUND THROUGH SHALL BE SHIFTED SOUTH AND THE WESTBOUND TO NORTHBOUND RIGHT TURN MOVEMENT SHALL BE PROHIBITED.

STAGE 3B

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 CLIENT: Illinois Professional Design Firm
 DATE PLOTTED: 11/11/2014 10:31:57 AM
 PLOT DRIVER: pldr.plt
 PEN TABLE: standard-trans.tbl



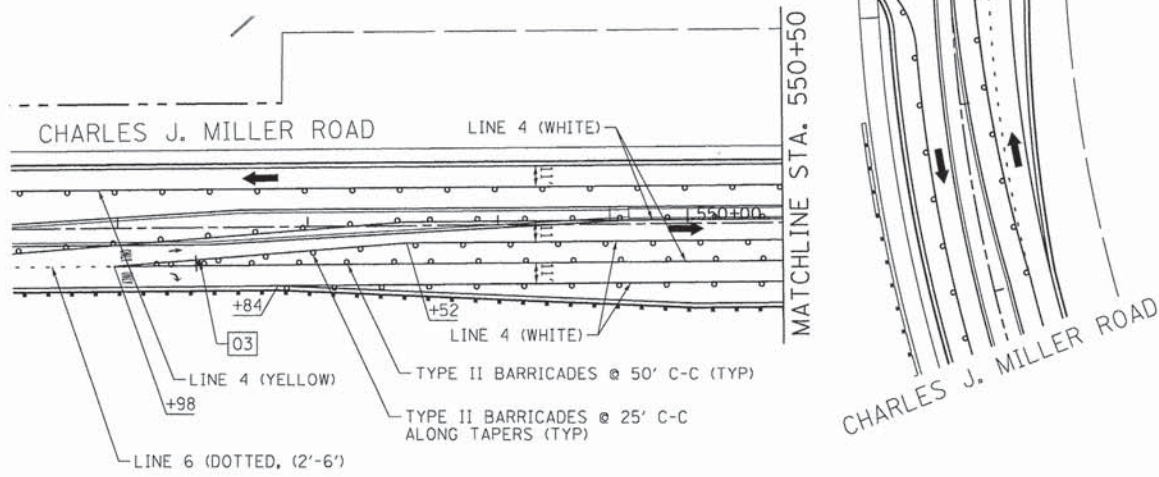
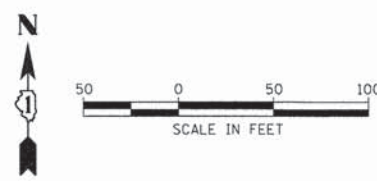
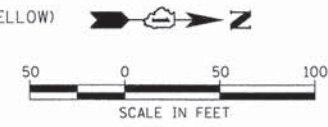
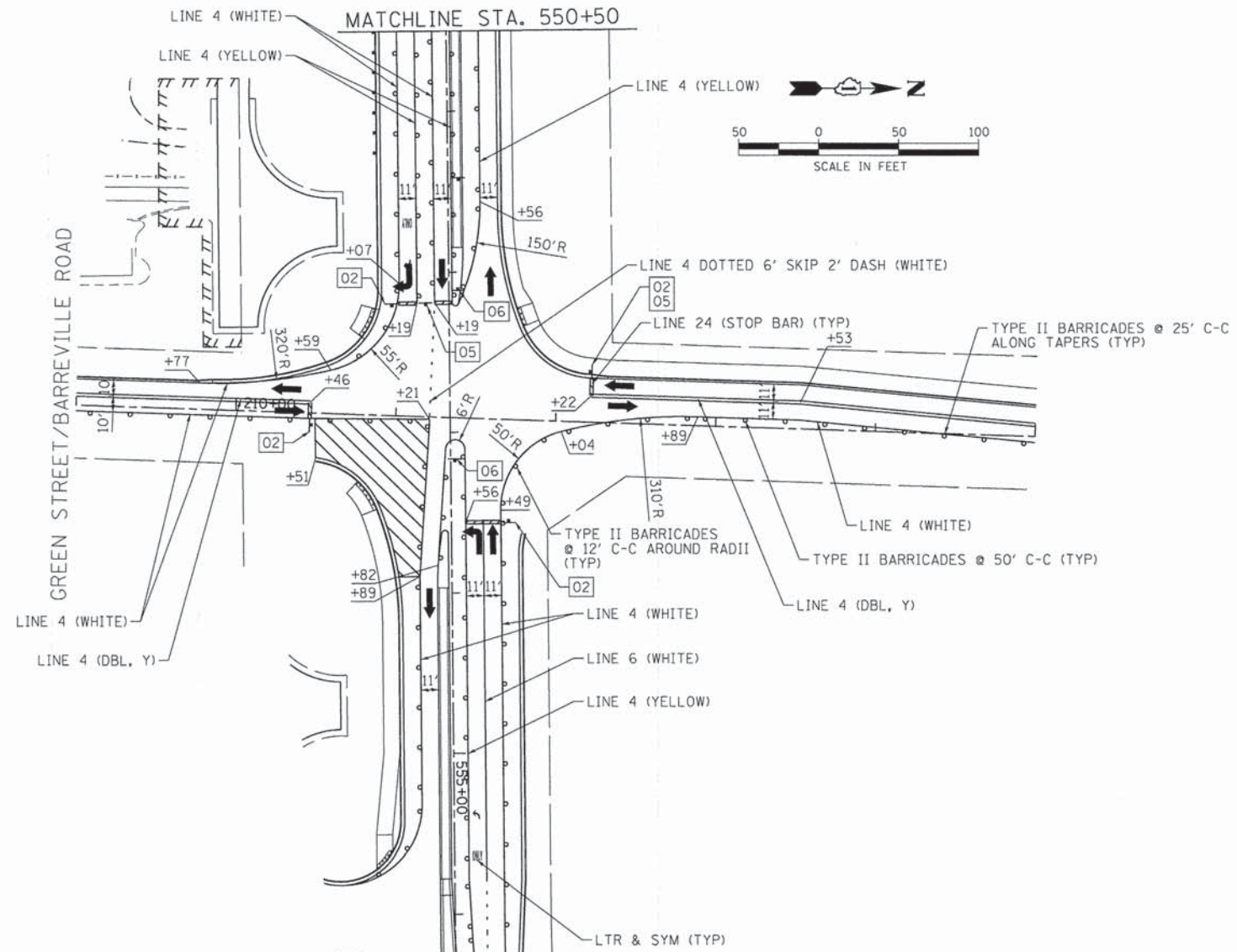
USER NAME = tyelton	DESIGNED - JPA	REVISED -
FILE NAME = 090271-mot.int-05-green.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE - 11/12/14	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC
 CHARLES J. MILLER ROAD AT GREEN ST/BARREVILLE RD**

SCALE: 1" = 50' SHEET NO. 45 OF 46 SHEETS STA. TO STA.

F.A.J. RTE. 3860	SECTION 09-00372-01-PW	COUNTY MCHENRY	TOTAL SHEETS 358	SHEET NO. 88
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT CONTRACT NO. 63892		



SIGN LEGEND

01 R1-3 30"	02 R10-11b 24" x 24"	03	04 R3-1 24" x 24"	05 R3-2 24" x 24"	06 R4-7a 24" x 30"
07 W1-6(O)	08 W1-4(O)-48				

LEGEND

	WORK ZONE
	TEMPORARY PAVEMENT
	DIRECTION OF TRAFFIC
	SIGN DESIGNATION
	TYPE II BARRICADE
	TYPE III BARRICADE

STAGE 3C CONSTRUCTION NOTES

- TRAFFIC PATTERNS FOR BULL VALLEY RD./CHARLES J. MILLER RD. AND GREEN ST./BARREVILLE RD. SHALL REMAIN THE SAME AS STAGE 3B EXCEPT AS FOLLOWS: THE WESTBOUND TO SOUTHBOUND LEFT TURN MOVEMENT WILL BE PERMITTED; THE WEST AND EAST LEGS OF TRAFFIC SHALL BE SHIFTED NORTH; AND THE EASTBOUND TO NORTHBOUND LEFT, SOUTHBOUND TO EASTBOUND LEFT AND NORTHBOUND TO EASTBOUND RIGHT TURN MOVEMENTS SHALL BE PROHIBITED.

STAGE 3C

COMPANY NAME: HRGreen
 PROJECT CONTACT: J. P. ...
 CLIENT: ...
 FILE NAME: ...
 PLOT DATE: 11/11/2014



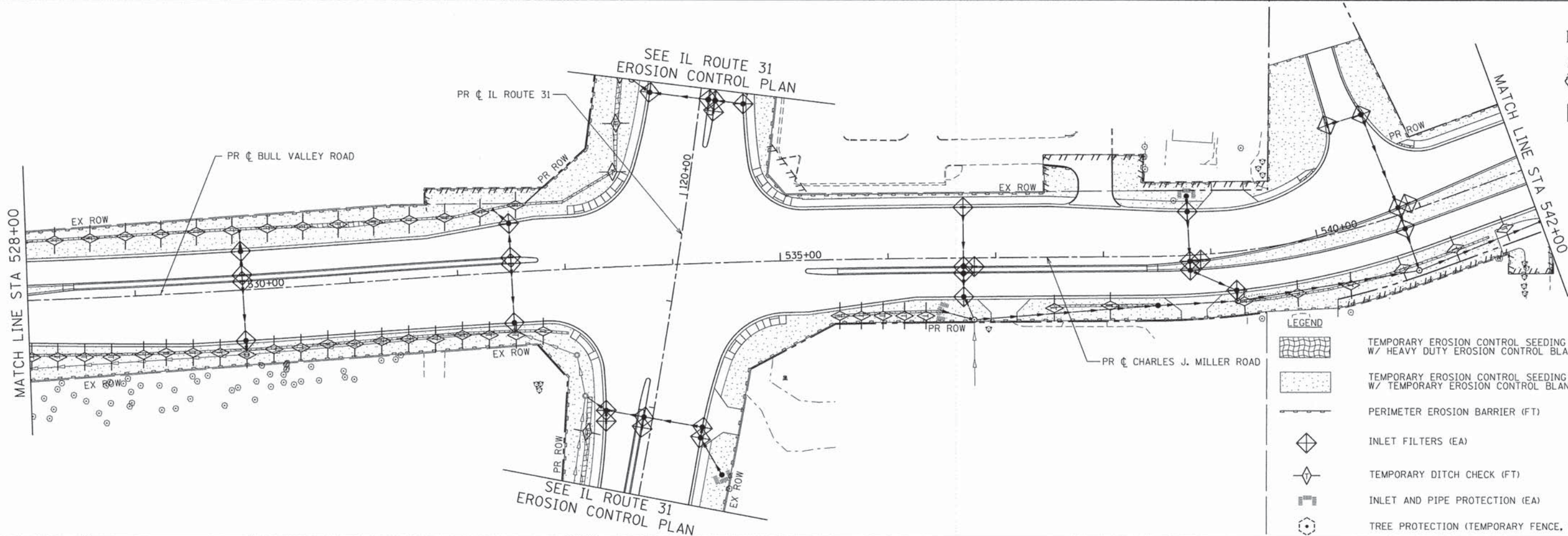
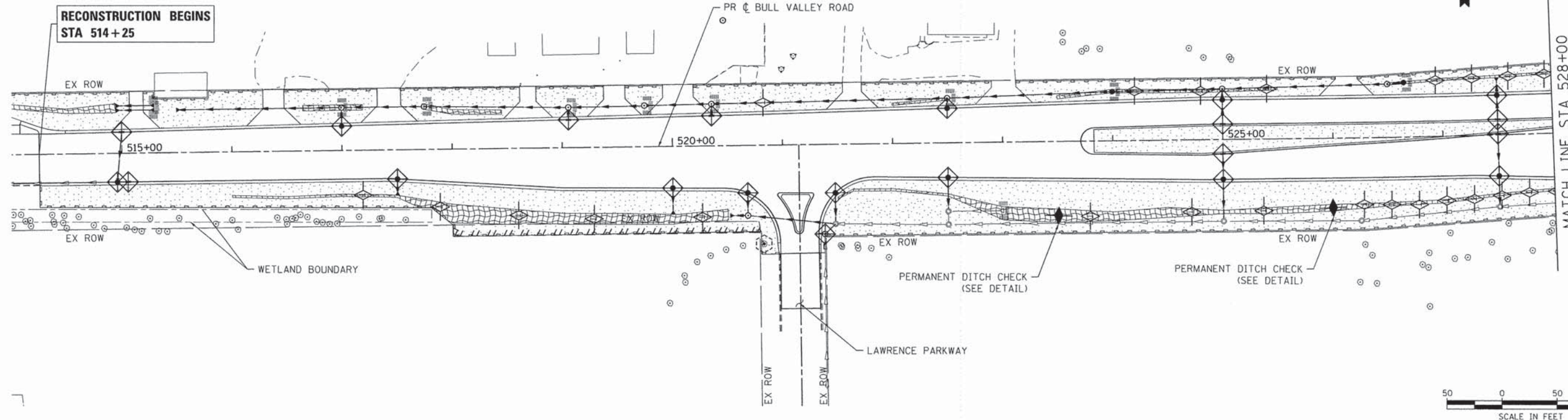
USER NAME = tye1ton	DESIGNED - JPA	REVISED -
FILE NAME = 090071-mot.int-07.green.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE - 11/12/14	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC
 CHARLES J. MILLER ROAD AT GREEN ST./BARREVILLE RD**

SCALE: 1" = 50' SHEET NO. 46 OF 46 SHEETS STA. TO STA.

F.A.J. RTE. 3860	SECTION 09-00372-01-PW	COUNTY MCHENRY	TOTAL SHEETS 358	SHEET NO. 89
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63892	



LEGEND	
	TEMPORARY EROSION CONTROL SEEDING (POUND) W/ HEAVY DUTY EROSION CONTROL BLANKET
	TEMPORARY EROSION CONTROL SEEDING (POUND) W/ TEMPORARY EROSION CONTROL BLANKET
	PERIMETER EROSION BARRIER (FT)
	INLET FILTERS (EA)
	TEMPORARY DITCH CHECK (FT)
	INLET AND PIPE PROTECTION (EA)
	TREE PROTECTION (TEMPORARY FENCE, FT)

COMPANY NAME: HRGreen
 PROJECT CONTACT: [Name]
 DATE PLOTTED: 11/19/2014 9:04:18 AM
 FILE NAME: 090071-ero-02.dgn
 PLOT DRIVER: pdfplot
 PLOT TABLE: standard-trans.tbl

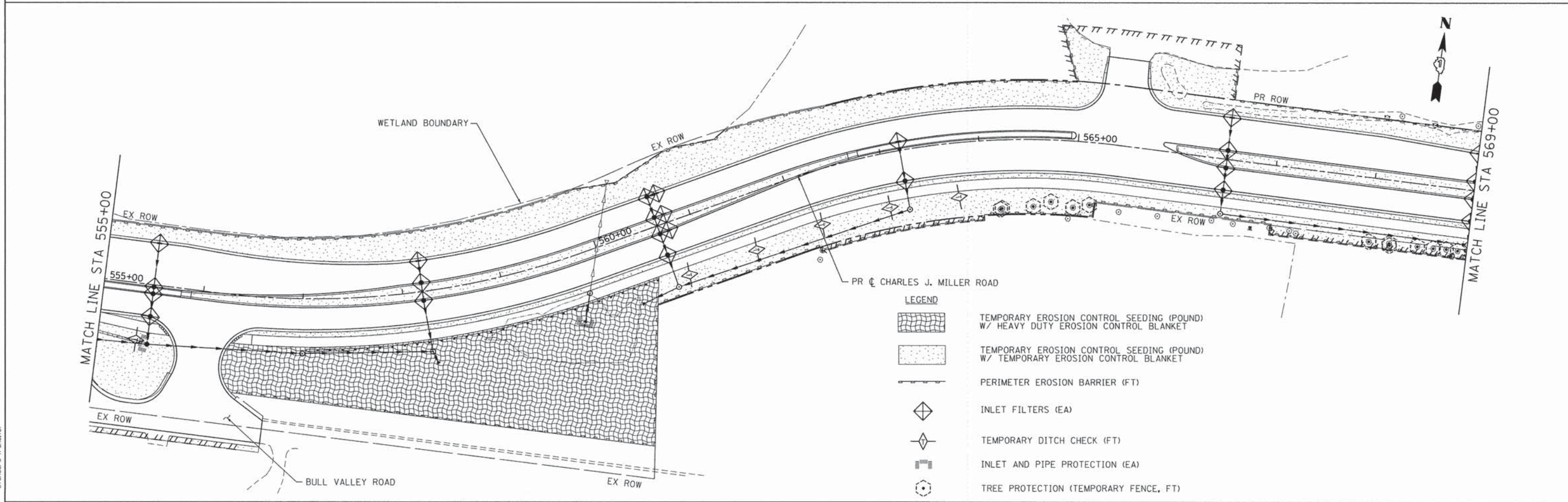
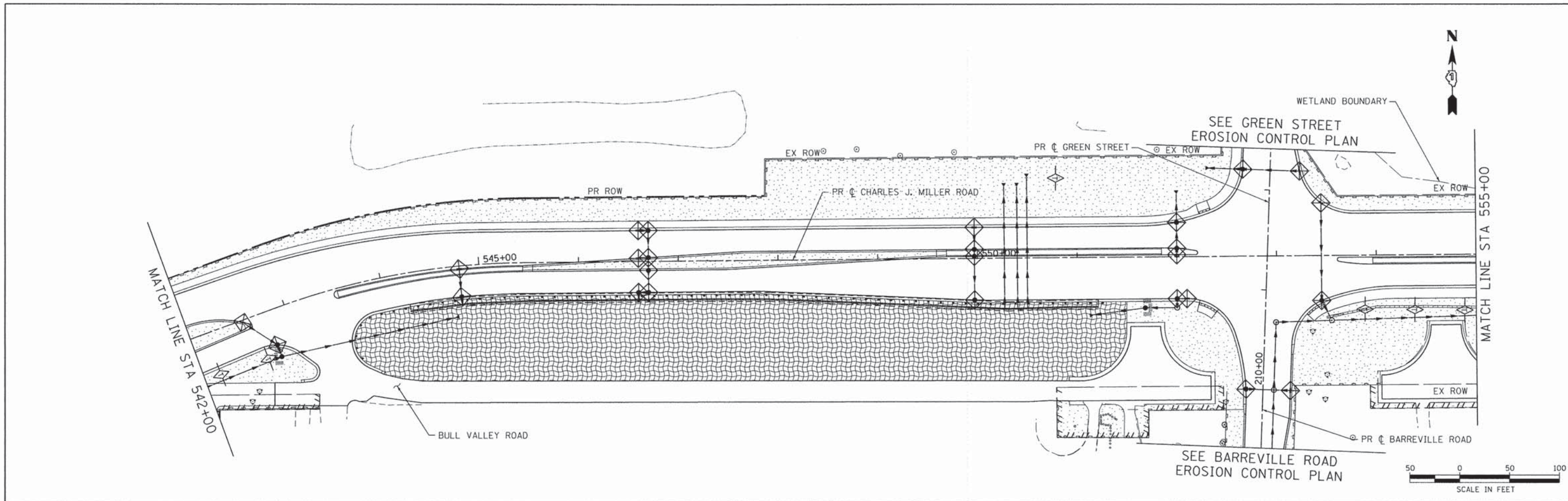
HRGreen
 HRGreen.com
 Illinois Professional Design Firm
 # 184-001322

USER NAME = tjelton	DESIGNED - DCJ	REVISED -
FILE NAME = 090071-ero-02.dgn	DRAWN - DCJ	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - JLP	REVISED -
PLOT DATE = 11/19/2014	DATE - 11/14/14	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN
 BULL VALLEY/CHARLES J. MILLER ROAD**
 SCALE: 1" = 50' SHEET NO. 1 OF 8 SHEETS STA. 514+00 TO STA. 542+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	90
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63892	



- LEGEND**
- TEMPORARY EROSION CONTROL SEEDING (POUND) W/ HEAVY DUTY EROSION CONTROL BLANKET
 - TEMPORARY EROSION CONTROL SEEDING (POUND) W/ TEMPORARY EROSION CONTROL BLANKET
 - PERIMETER EROSION BARRIER (FT)
 - INLET FILTERS (EA)
 - TEMPORARY DITCH CHECK (FT)
 - INLET AND PIPE PROTECTION (EA)
 - TREE PROTECTION (TEMPORARY FENCE, FT)

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 CLIENT: Illinois Professional Design Firm
 DATE PLOTTED: 12/31/2014 5:05:28 PM
 FILE NAME: 090071-ero-03.dgn
 PLOT DRIVER: pdf.plt
 PEN TABLE: standard-trans.tbl

HRGreen.com
 Illinois Professional Design Firm
 # 184-001322

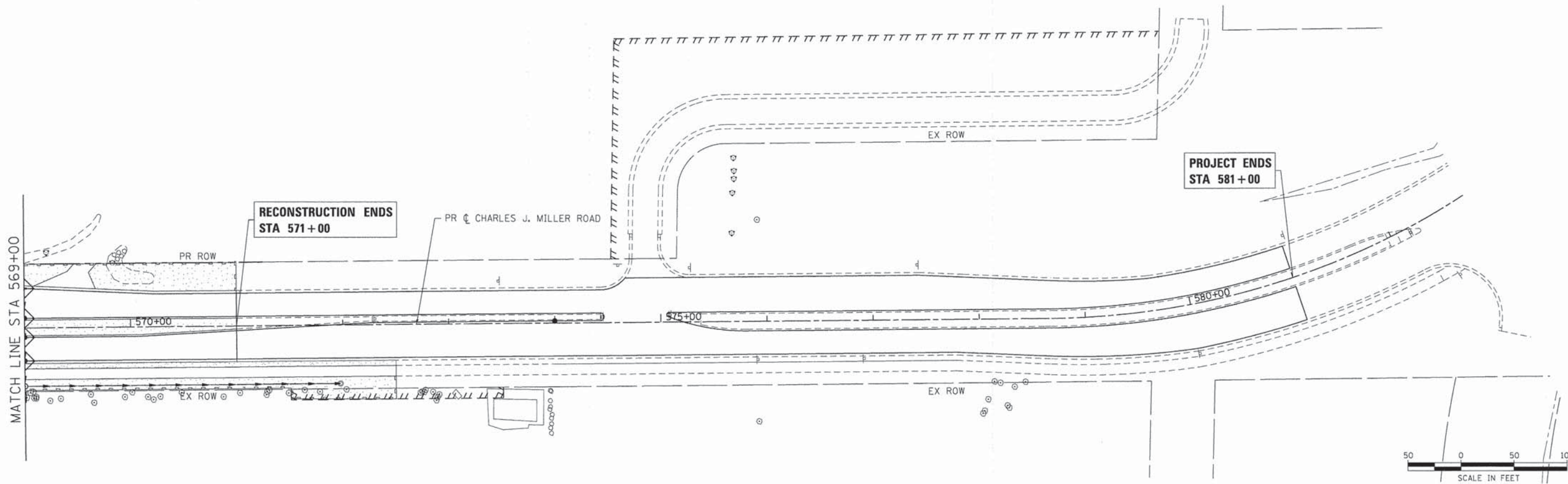
USER NAME = tjelton	DESIGNED - DCJ	REVISED -
FILE NAME = 090071-ero-03.dgn	DRAWN - DCJ	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - JLP	REVISED -
PLOT DATE = 12/3/2014	DATE - 12/5/14	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**








**EROSION CONTROL PLAN
 CHARLES J. MILLER ROAD**

SCALE: 1" = 50' SHEET NO. 2 OF 8 SHEETS STA. 542+00 TO STA. 569+00

F.A.U. RTE. 3860	SECTION 09-00372-01-PW	COUNTY MCHENRY	TOTAL SHEETS 358	SHEET NO. 91
CONTRACT NO. 63892			ILLINOIS FED. AID PROJECT	



LEGEND

-  TEMPORARY EROSION CONTROL SEEDING (POUND) W/ HEAVY DUTY EROSION CONTROL BLANKET
-  TEMPORARY EROSION CONTROL SEEDING (POUND) W/ TEMPORARY EROSION CONTROL BLANKET
-  PERIMETER EROSION BARRIER (FT)
-  INLET FILTERS (EA)
-  TEMPORARY DITCH CHECK (FT)
-  INLET AND PIPE PROTECTION (EA)
-  TREE PROTECTION (TEMPORARY FENCE, FT)

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 11/11/2014 10:32:08 AM
 CLIENT: 090071-ero-04.dgn
 PLOT NUMBER: 358
 PEN TABLE: standard-trans.tbl



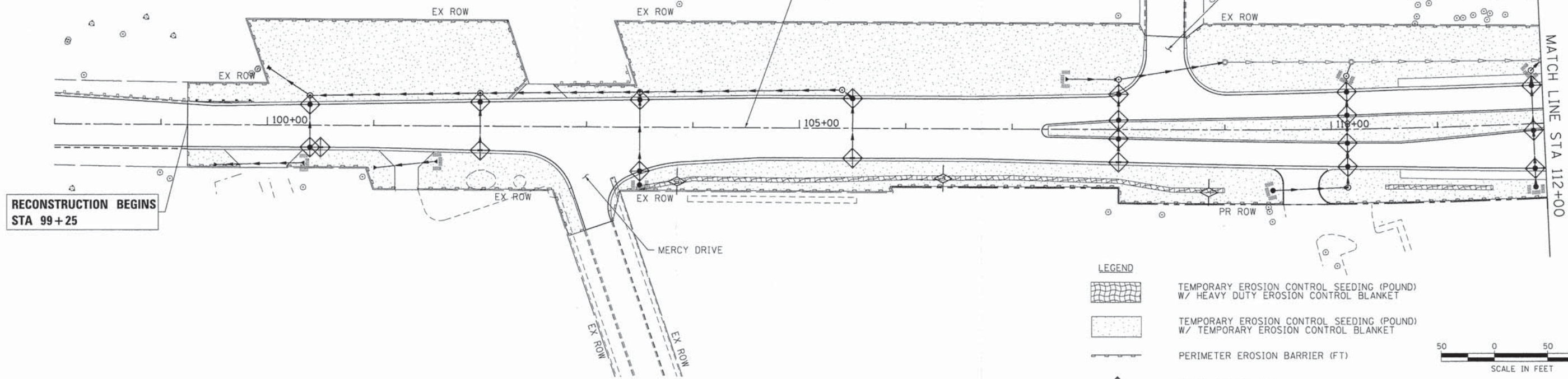
USER NAME = tye1son	DESIGNED - DCJ	REVISED -
FILE NAME = 090071-ero-04.dgn	DRAWN - DCJ	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE - 11/12/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN
CHARLES J. MILLER ROAD**

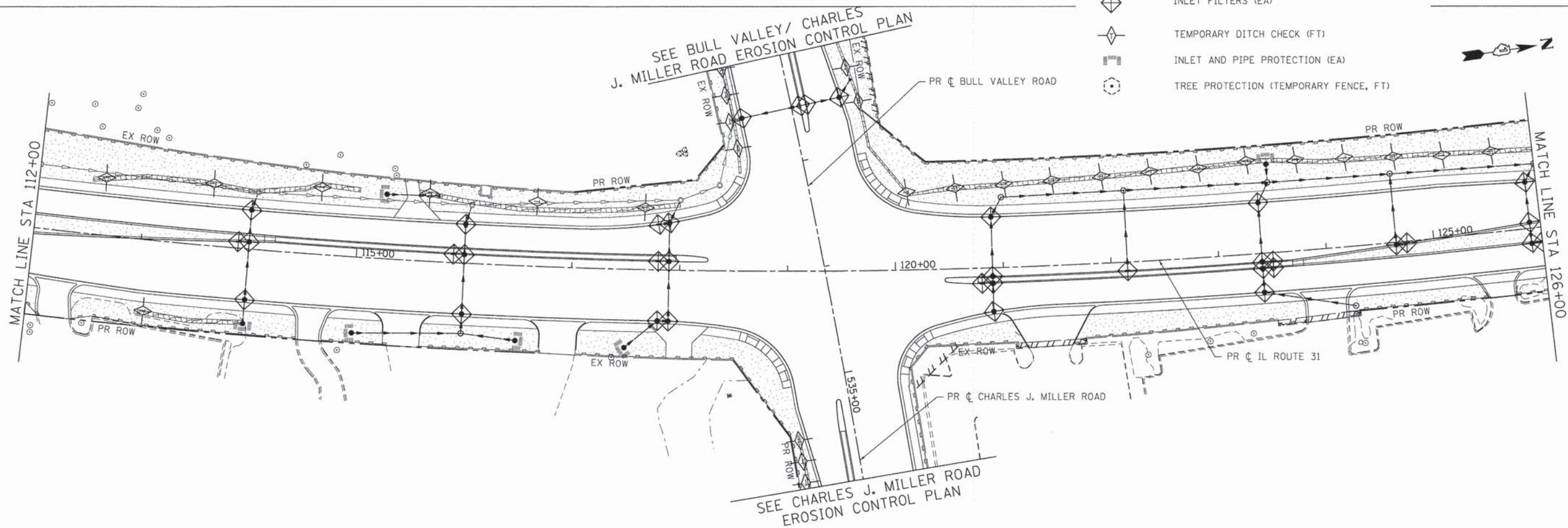
SCALE: 1" = 50' SHEET NO. 3 OF 8 SHEETS STA. 569+00 TO STA. 572+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	92
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63892	



RECONSTRUCTION BEGINS
STA 99+25

- LEGEND**
- TEMPORARY EROSION CONTROL SEEDING (POUND) W/ HEAVY DUTY EROSION CONTROL BLANKET
 - TEMPORARY EROSION CONTROL SEEDING (POUND) W/ TEMPORARY EROSION CONTROL BLANKET
 - PERIMETER EROSION BARRIER (FT)
 - INLET FILTERS (EA)
 - TEMPORARY DITCH CHECK (FT)
 - INLET AND PIPE PROTECTION (EA)
 - TREE PROTECTION (TEMPORARY FENCE, FT)



SEE BULL VALLEY / CHARLES
J. MILLER ROAD EROSION CONTROL PLAN

SEE CHARLES J. MILLER ROAD
EROSION CONTROL PLAN

COMPANY NAME: HRGreen
PROJECT CONTACT: HRGreen.com
CLIENT: STATE OF ILLINOIS
DATE PLOTTED: 11/11/2014 10:23:16 AM
FILE NAME: 090071-er-05.dgn
PLOT SCALE: 1" = 50'
PEN TABLE: standard-trans.tbl



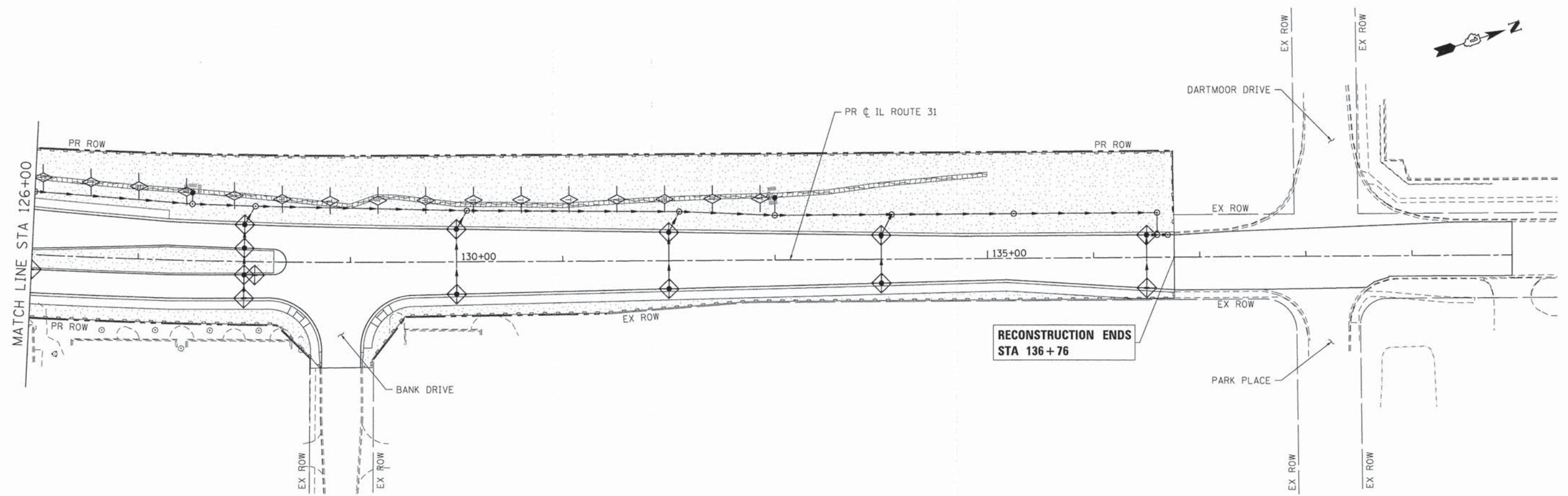
USER NAME = tyelton	DESIGNED - DCJ	REVISED -
FILE NAME = 090071-er-05.dgn	DRAWN - DCJ	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE - 11/12/14	REVISED -








**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN
IL ROUTE 31**

SCALE: 1" = 50' SHEET NO. 4 OF 8 SHEETS STA. 99+25 TO STA. 126+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	93
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63892	



- LEGEND**
-  TEMPORARY EROSION CONTROL SEEDING (POUND) W/ HEAVY DUTY EROSION CONTROL BLANKET
 -  TEMPORARY EROSION CONTROL SEEDING (POUND) W/ TEMPORARY EROSION CONTROL BLANKET
 -  PERIMETER EROSION BARRIER (FT)
 -  INLET FILTERS (EA)
 -  TEMPORARY DITCH CHECK (FT)
 -  INLET AND PIPE PROTECTION (EA)
 -  TREE PROTECTION (TEMPORARY FENCE, FT)



COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 DATE PLOTTED: 11/11/2014 10:52:22 AM
 FILE NAME: 090071-ero-06.dgn
 PLOT DRIVER: pdfplot
 PEN TABLE: standard-trans.tbl



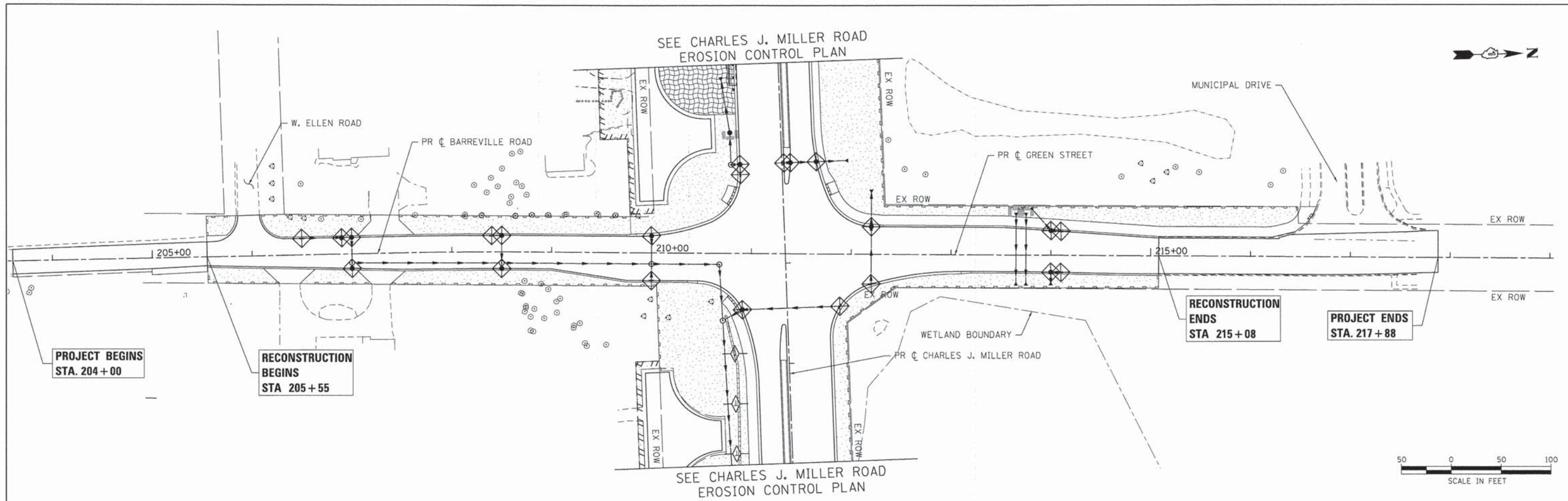
USER NAME = tjelton	DESIGNED - DCJ	REVISED -
FILE NAME = 090071-ero-06.dgn	DRAWN - DCJ	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE - 11/12/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**








**EROSION CONTROL PLAN
IL ROUTE 31**

SCALE: 1" = 50' SHEET NO. 5 OF 8 SHEETS STA. 126+00 TO STA. 136+76

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	94
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63892	



LEGEND

-  TEMPORARY EROSION CONTROL SEEDING (POUND) W/ HEAVY DUTY EROSION CONTROL BLANKET
-  TEMPORARY EROSION CONTROL SEEDING (POUND) W/ TEMPORARY EROSION CONTROL BLANKET
-  PERIMETER EROSION BARRIER (FT)
-  INLET FILTERS (EA)
-  TEMPORARY DITCH CHECK (FT)
-  INLET AND PIPE PROTECTION (EA)
-  TREE PROTECTION (TEMPORARY FENCE, FT)

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 CLIENT: HRGreen.com
 DATE PLOTTED: 11/11/2014 10:32:28 AM
 PLOT SCALE: 1" = 50'
 PLOT DATE: 11/11/2014
 PEN TABLE: Standard-trans.tbl



USER NAME = tye1son	DESIGNED - DCJ	REVISED -
FILE NAME = 890871-ero-07.dgn	DRAWN - DCJ	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE - 11/12/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN
GREEN STREET/BARREVILLE ROAD**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	95
CONTRACT NO. 63892				

SCALE: 1" = 50' SHEET NO. 6 OF 8 SHEETS STA. 205+55 TO STA. 215+08

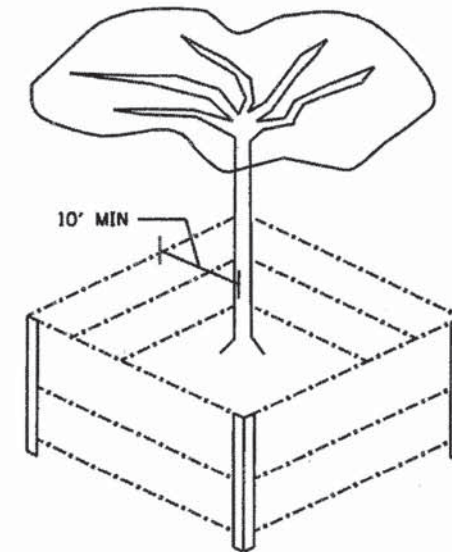
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT

EROSION CONTROL NOTES:

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE MCHENRY COUNTY AND CITY OF MCHENRY STORMWATER ORDINANCES. ALL CONSTRUCTION ACTIVITIES WILL BE IN ACCORDANCE WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM STORM WATER PERMIT ILR40.
2. EROSION CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH THE SEQUENCE OF STAGED CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT A DETAILED SCHEDULE FOR APPROVAL.
3. SEDIMENT AND EROSION CONTROL DEVICES SHALL BE FUNCTIONAL BEFORE THE PROJECT SITE IS OTHERWISE DISTURBED.
4. ALL DISTURBED AREAS SHALL BE SEEDED OR SODDED AS SOON AS PRACTICAL AFTER CONSTRUCTION ACTIVITIES IN THAT AREA HAVE CONCLUDED. THE SURFACE OF STRIPPED AREAS SHALL BE PERMANENTLY OR TEMPORARILY PROTECTED FROM SOIL EROSION WITHIN 14 DAYS AFTER FINAL GRADE IS REACHED. STRIPPED AREAS THAT WILL REMAIN UNDISTURBED FOR MORE THAN 15 DAYS AFTER INITIAL DISTURBANCE SHALL BE PROTECTED FROM EROSION. TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE MAINTAINED CONTINUOUSLY UNTIL PERMANENT COVER IS ESTABLISHED.
5. IF A TOPSOIL STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN 3 DAYS, EROSION CONTROL MEASURES WILL BE PROVIDED. SOIL STOCKPILES MUST NOT BE LOCATED WITHIN ANY SPECIAL MANAGEMENT AREAS. SPECIAL MANAGEMENT AREAS INCLUDE JURISDICTIONAL WETLANDS AND ADJACENT OFF-SITE WETLANDS.
6. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO PROTECT WETLANDS TO REMAIN FROM DAMAGE BY SEDIMENT, CONSTRUCTION EQUIPMENT OR BY HIS WORK CREWS. THE CONTRACTOR SHALL ASSURE THAT DEBRIS OR ANY CONSTRUCTION MATERIAL IS NOT DISPOSED OF IN WETLANDS.
7. WATER PUMPED OR OTHERWISE DISCHARGED FROM THE SITE DURING CONSTRUCTION DEWATERING SHALL BE FILTERED.
8. WHEN TEMPORARY DRAINAGE IS ESTABLISHED, EROSION CONTROL MEASURES MAY BE REQUIRED BY THE ENGINEER.
9. GRAVEL ROADS, ACCESS DRIVES, PARKING AREAS OF SUFFICIENT WIDTH AND LENGTH, AND VEHICLE WASH DOWN FACILITIES IF NECESSARY, SHALL BE PROVIDED TO PREVENT SOIL FROM BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS. ANY SOIL REACHING A PUBLIC OR PRIVATE ROADWAY SHALL BE REMOVED BEFORE THE END OF EACH WORKDAY AND AS NEEDED.
10. CLEANING OF VEHICLES AND EQUIPMENT, INCLUDING CONCRETE MIXERS, SHALL BE PERFORMED IN A MANNER TO REDUCE THE AMOUNT OF POLLUTANTS TRIBUTARY TO STORM SEWERS AND OPEN WATERS TO THE MAXIMUM EXTENT PRACTICAL.
11. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR POLLUTION RUNOFF. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.
12. SEDIMENT COLLECTED DURING CONSTRUCTION BY THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS. SEDIMENT SHALL BE REMOVED FROM EROSION CONTROL SYSTEMS WHEN THE HEIGHT OF THE SEDIMENT EXCEEDS ONE-HALF OF THE HEIGHT OF THE FILTER DEVICE.
13. THE ENGINEER SHALL INSPECT EROSION CONTROL MEASURES PERIODICALLY AND WITHIN 24 HOURS OF ANY STORM EXCEEDING 59/64 INCH PRECIPITATION. DAMAGED AND INEFFECTIVE EROSION CONTROL MEASURES SHALL BE REPAIRED OR REPLACED WITHIN 72 HOURS. EROSION CONTROL SYSTEMS REPLACED DUE TO SEDIMENT LOADING WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE APPLICABLE EROSION CONTROL ITEM.
14. ALL SEDIMENT AND EROSION CONTROL MEASURES WILL BE PAID FOR IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS, EXCEPT WHERE OTHERWISE NOTED IN THE CONTRACT SPECIAL PROVISIONS.
15. THE COST OF REPAIRING OR REMOVING SEDIMENT FROM EROSION CONTROL SYSTEMS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE APPLICABLE EROSION CONTROL ITEM.
16. ALL EROSION CONTROL MEASURES SHALL BE KEPT OPERATIONAL AND MAINTAINED CONTINUOUSLY THROUGHOUT THE PERIOD OF LAND DISTURBANCE UNTIL PERMANENT SEDIMENT AND EROSION CONTROL MEASURES ARE OPERATIONAL.
17. TREES TO BE PROTECTED DURING CONSTRUCTION SHOULD BE IDENTIFIED BY THE ENGINEER AND BE IN ACCORDANCE TO THE DETAILS PROVIDED IN THE PLANS, AND SHALL BE PAID FOR AS TEMPORARY FENCE.

MCHENRY COUNTY STORMWATER PERMIT REQUIREMENTS:

1. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. AREAS OF THE DEVELOPMENT SITE THAT ARE NOT TO BE GRADED SHALL BE PROTECTED FROM CONSTRUCTION TRAFFIC OR OTHER DISTURBANCE UNTIL FINAL SEEDING IS PREFORMED.
2. PROPERTIES AND CHANNELS ADJOINING THE DEVELOPMENT SITE SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION.
3. SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
4. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING THE END OF ACTIVE HYDROLOGIC DISTURBANCE.
5. ALL STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.
6. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (E.G., SEDIMENT TRAP, SEDIMENT BASIN, OR OTHER APPROPRIATE MEASURES).
7. ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. TRAPPED SEDIMENT AND OTHER DISTURBED SOIL AREAS SHALL BE PERMANENTLY STABILIZED.
8. A STABILIZED MAT OF AGGREGATE UNDERLAIN WITH FILTER CLOTH (OR OTHER APPROPRIATE MEASURES) SHALL BE LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION-SITE OF A MAJOR DEVELOPMENT TO OR FROM A PUBLIC RIGHT-OF-WAY, STREET ALLEY, OR PARKING AREA. ANY SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT OF WAY, STREET, ALLEY OR PARKING AREA SHALL BE SCRAPED OR STREET CLEANED AS ACCUMULATIONS WARRANT AND BE TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
9. SOIL STOCKPILES SHALL NOT BE LOCATED IN A FLOOD-PRONE AREA OR A DESIGNATED BUFFER PROTECTING WATERS OF THE UNITED STATES OR ISOLATED WATERS OF MCHENRY COUNTY.
10. THE CONTRACTOR SHALL PROVIDE ADEQUATE RECEPTACLES FOR THE DEPOSITION OF ALL CONSTRUCTION MATERIAL DEBRIS GENERATED DURING THE DEVELOPMENT PROCESS. THE CONTRACTOR SHALL NOT CAUSE OR PERMIT THE DUMPING, DEPOSITING, DROPPING, THROWING, DISCARDING OR LEAVING OF CONSTRUCTION MATERIAL DEBRIS UPON OR INTO ANY DEVELOPMENT SITE, CHANNEL, WATERS OF THE U.S. OR ISOLATED WATERS OF MCHENRY COUNTY. THE CONTRACTOR SHALL MAINTAIN THE DEVELOPMENT SITE FREE OF CONSTRUCTION MATERIAL DEBRIS.
11. ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED IN AN EFFECTIVE WORKING CONDITION.
12. DRAIN TILE SYSTEMS DISTURBED DURING DEVELOPMENT MUST BE RECONNECTED BY THOSE RESPONSIBLE FOR THEIR DISTURBANCE UNLESS THE APPROVED ENGINEERING PLANS INDICATE HOW THE DRAIN TILE SYSTEM IS TO BE CONNECTED TO THE PROPOSED STORMWATER MANAGEMENT SYSTEM. ALL ABANDONED DRAIN TILES SHALL BE REMOVED IN THEIR ENTIRETY.



TREE PROTECTION
(PAID FOR AS TEMPORARY FENCE)

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm
 CLIENT: # 154-001322
 DATE PLOTTED: 11/11/2014 8:09:41 AM
 FILE NAME: 090071-erodet01.dgn
 PLOT DRIVER: pdf.plt
 PLOT TABLE: s:\onboard\frank.tbl



USER NAME = tjeilton	DESIGNED - DCJ	REVISED -
FILE NAME = 090071-erodet01.dgn	DRAWN - DCJ	REVISED -
PLOT SCALE = N.T.S.	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE - 11/12/14	REVISED -

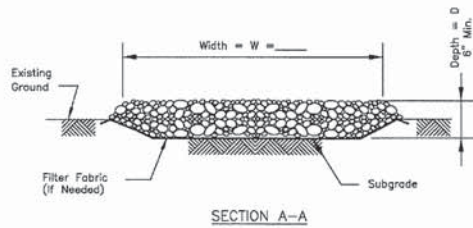
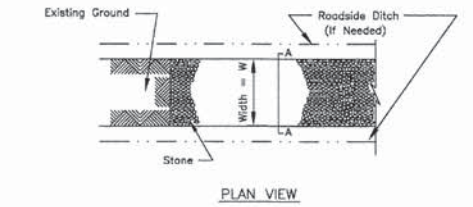
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL DETAILS
CHARLES J. MILLER ROAD ROADWAY IMPROVEMENTS

SCALE: N.T.S. SHEET NO. 7 OF 8 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	96
CONTRACT NO. 63892			ILLINOIS FED. AID PROJECT	

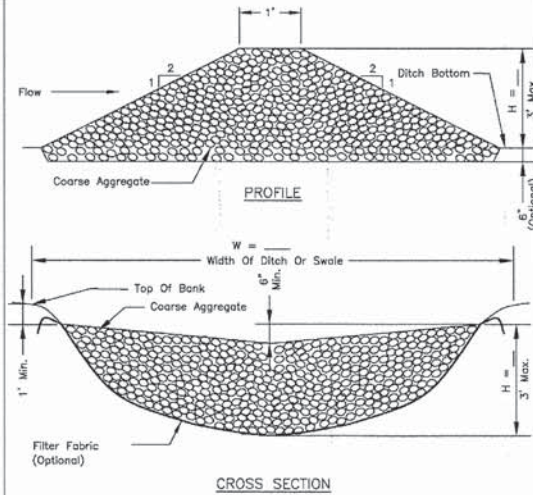
CONSTRUCTION ROAD STABILIZATION



- NOTES:**
1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table 1 or 2, Class I, II or IV and shall be placed over the cleared area prior to the placing of rock.
 2. Stone shall meet one of the following IDOT coarse aggregate gradations, CA-1, CA-2, CA-3, or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
 3. See plans for construction road location, D and W dimensions.
 4. Minimum width is 14 feet for one-way traffic and 20 feet for two-way traffic. Two-way traffic widths shall be increased a minimum of 4 feet for trailer traffic. Depending on the type of vehicle or equipment, speed, loads, climatic and other conditions under which vehicles and equipment operate an increase in the minimum widths may be required.
 5. Roadway shall follow the contour of the natural terrain to the extent possible.

REFERENCE	STANDARD DIV. NO.
Project _____	IL-506
Designed _____	SHEET 1 OF 1
Checked _____	DATE 1-28-99
Approved _____	

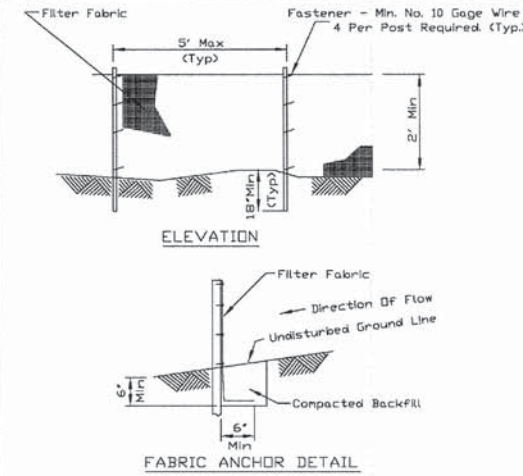
ROCK CHECK DAM - COARSE AGGREGATE



- NOTES:**
1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table 1 or 2, Class I, II, or IV and shall be placed over the cleared area prior to the placing of rock.
 2. Coarse aggregate shall meet one of the following IDOT gradations, CA-1, CA-2, CA-3, or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
 3. For added stability, the base of the dam may be keyed 6 inches into the soil.
 4. See plans for spacing of dams and H dimensions.
 5. Drainage area to each dam shall be less than 2 acres.
 6. Use ROCK CHECK DAM-RIPRAP IL-605R for drainage areas of 2 to 10 acres.

REFERENCE	STANDARD DIV. NO.
Project _____	IL-605CA
Designed _____	SHEET 1 OF 1
Checked _____	DATE 1-28-99
Approved _____	

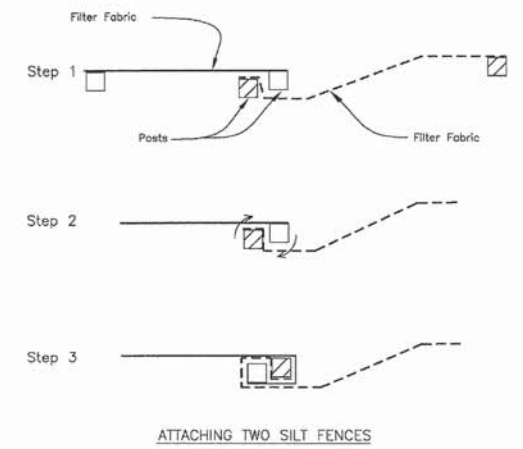
PERIMETER EROSION BARRIER PLAN



- NOTES:**
1. Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
 2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1 or 2, Class I with equivalent opening size of at least 30 for nonwoven and 50 for woven.
 3. Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 3.0 sq. in.

REFERENCE	STANDARD DIV. NO.
Project _____	IL-620
Designed _____	SHEET 1 OF 2
Checked _____	DATE 11-22-01
Approved _____	

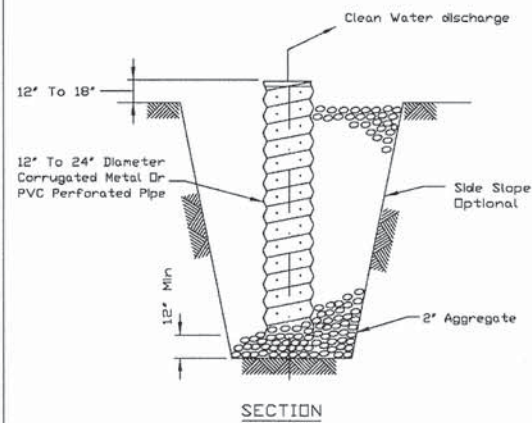
SILT FENCE



- NOTES:**
1. Place the end post of the second fence inside the end post of the first fence.
 2. Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.
 3. Drive both posts a minimum of 18 inches into the ground and bury the flap.

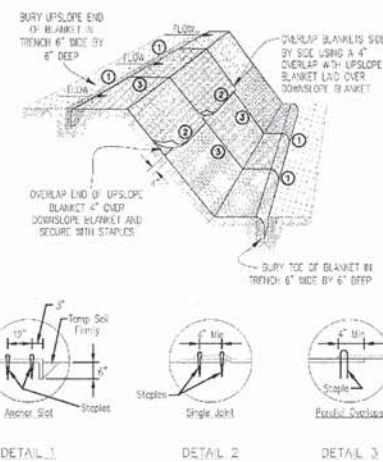
REFERENCE	STANDARD DIV. NO.
Project _____	IL-620(W)
Designed _____	SHEET 2 OF 2
Checked _____	DATE 1-28-99
Approved _____	

SUMP PIT PLAN



- NOTES:**
1. Pit dimensions are optional.
 2. The standpipe will be constructed by perforating a 12"-24" diameter corrugated metal or PVC pipe.
 3. A base of 2" aggregate will be placed in the pit to a minimum depth of 12". After installing the standpipe, the pit surrounding the standpipe will then be backfilled with 2" aggregate.
 4. The standpipe will extend 12" to 18" above the lip of the pit.
 5. If discharge will be pumped directly to a storm drainage system, the standpipe will be wrapped with Filter Fabric before installation.
 6. If desired, 1/4"-1/2" hardware cloth may be placed around the standpipe prior to attaching the filter fabric. This will increase the rate of water seepage into the pipe.

REFERENCE	STANDARD DIV. NO.
Project _____	IL-650
Designed _____	SHEET 1 OF 1
Checked _____	DATE 8-11-94
Approved _____	



- NOTES:**
1. Staples shall be placed in a diamond pattern at 7' per s.y. for sloped terrain. Non-sloped shall use 4 staples per s.y. of material. This equates to 200 staples with sloped blanket and 400 staples with non-sloped blanket per 100 s.y. of material.
 2. Staple or push pin lengths shall be selected based on soil type and conditions. (Minimum staple length is 8")
 3. Erosion control material shall be placed in contact with the soil over a prepared seedbed.
 4. All anchor stakes shall be spaced at approximately 12" intervals.

REFERENCE	STANDARD DIV. NO.
Project _____	IL-650
Designed _____	SHEET 1 OF 1
Checked _____	DATE 8-11-94
Approved _____	

COMPANY NAME: HRGreen
 PROJECT CONTACT: HRGreen.com
 CLIENT: Illinois Professional Design Firm
 DATE PLOTTED: 11/11/2014 8:56:44 AM
 PLOT SCALE: N.T.S.
 PLOT DIMENSIONS: 36x48
 PEN TABLE: Standard-Trans.tbl

HRGreen.com
 Illinois Professional Design Firm
 # 184-001322

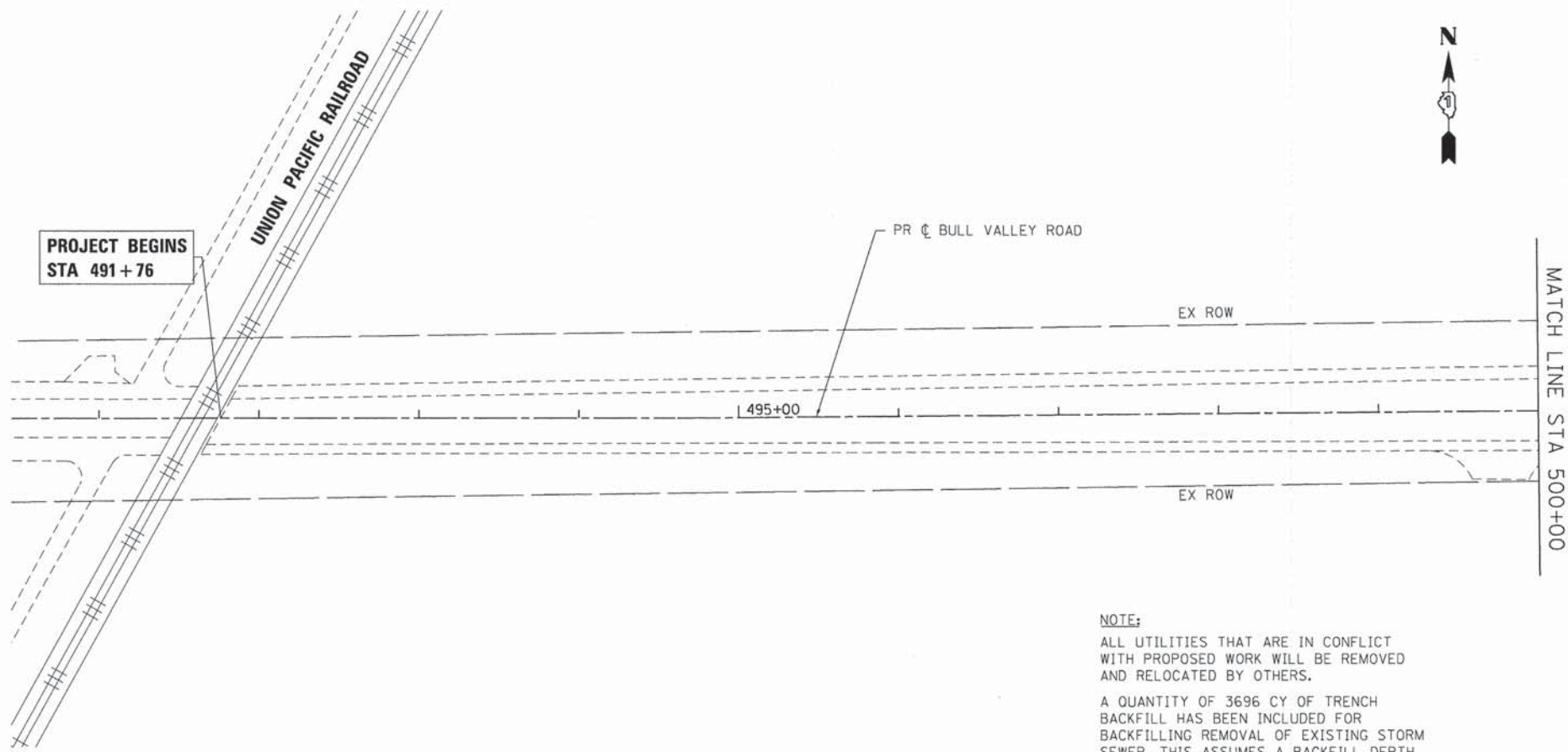
USER NAME = tye1son	DESIGNED - DCJ	REVISED -
FILE NAME = 890071-erode2.dgn	DRAWN - DCJ	REVISED -
PLOT SCALE = N.T.S.	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE - 11/12/14	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL DETAILS
 CHARLES J. MILLER ROAD ROADWAY IMPROVEMENTS**

SCALE: N.T.S. SHEET NO. 8 OF 8 SHEETS STA. TO STA.

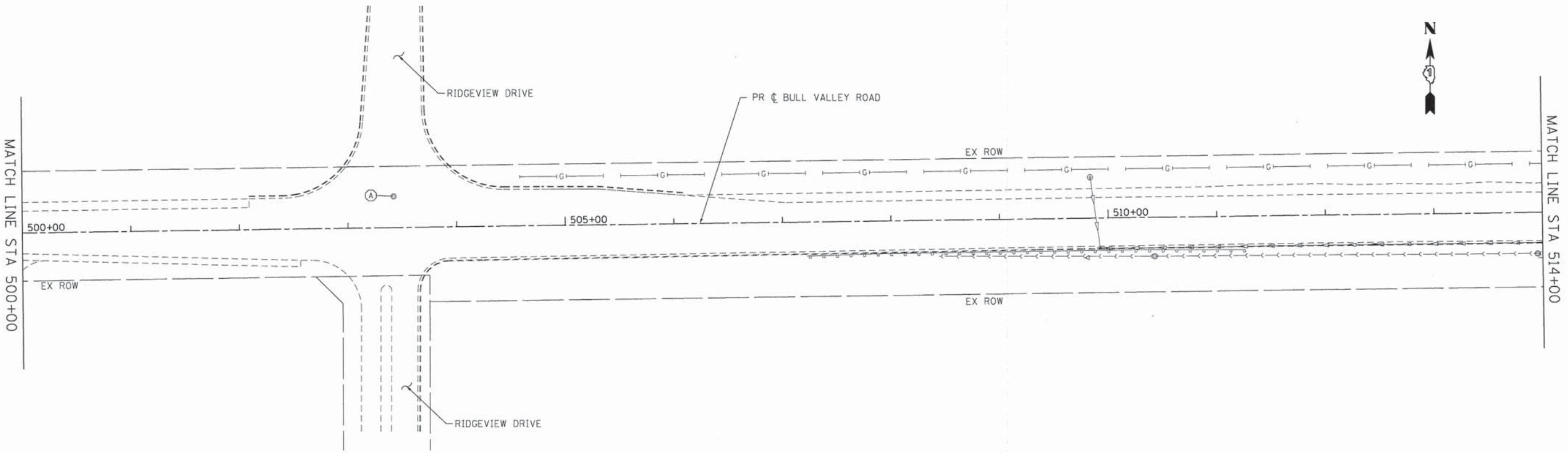
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	97
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 63892	



DRAINAGE REMOVAL LEGEND:

	STORM SEWER REMOVAL (SEE PLAN FOR DIAMETER)
	REMOVING INLETS
	REMOVING CATCH BASINS
	REMOVING MANHOLES
	REMOVE CONCRETE FLARED END SECTIONS
	DRAINAGE STRUCTURES TO BE ADJUSTED
	FRAMES AND LIDS TO BE ADJUSTED

NOTE:
 ALL UTILITIES THAT ARE IN CONFLICT WITH PROPOSED WORK WILL BE REMOVED AND RELOCATED BY OTHERS.
 A QUANTITY OF 3696 CY OF TRENCH BACKFILL HAS BEEN INCLUDED FOR BACKFILLING REMOVAL OF EXISTING STORM SEWER. THIS ASSUMES A BACKFILL DEPTH OF 3.5 FEET FOR ALL EXISTING PIPES.



COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm #184-001322
 DATE PLOTTED: 11/11/2014 10:35:53 AM
 CLIENT: 090017-rem02-00.dgn
 FILE NAME: par.dgn
 PLOT DRIVER: standard-trans.tbl
 PEN TABLE:



USER NAME = tjelton	DESIGNED - JPA	REVISED -
FILE NAME = 090017-rem02-00.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE - 11/12/14	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

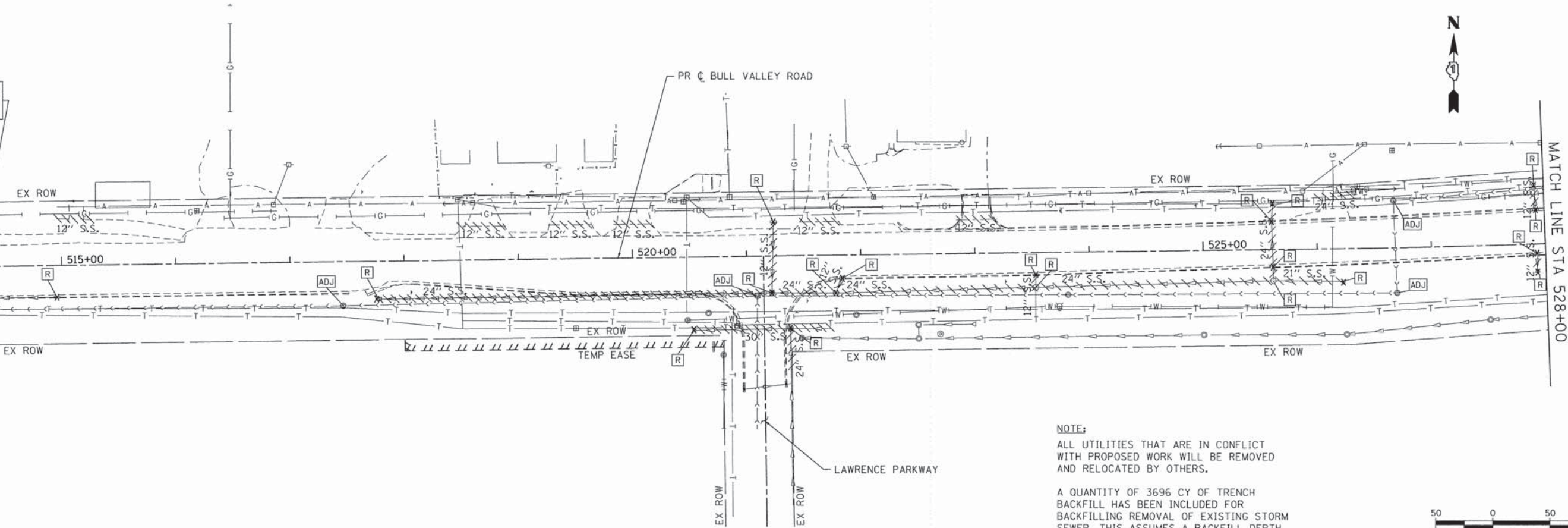
**DRAINAGE AND UTILITY REMOVAL PLAN
 BULL VALLEY ROAD**

SCALE: 1" = 50' SHEET NO. 1 OF 7 SHEETS STA. 491+76 TO STA. 514+00

F.A.U. RTE. 3860	SECTION 09-00372-01-PW	COUNTY MCHENRY	TOTAL SHEETS 358	SHEET NO. 98
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 63892		

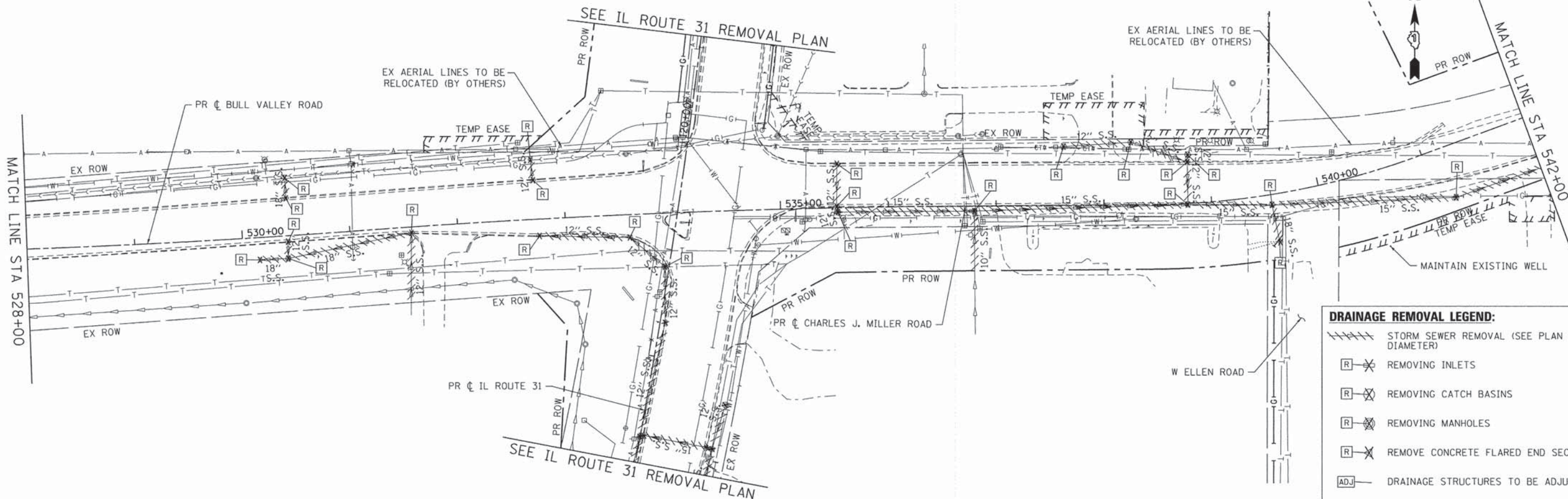
RECONSTRUCTION BEGINS
STA 514+25

MATCH LINE STA 514+00



NOTE:
ALL UTILITIES THAT ARE IN CONFLICT WITH PROPOSED WORK WILL BE REMOVED AND RELOCATED BY OTHERS.

A QUANTITY OF 3696 CY OF TRENCH BACKFILL HAS BEEN INCLUDED FOR BACKFILLING REMOVAL OF EXISTING STORM SEWER. THIS ASSUMES A BACKFILL DEPTH OF 3.5 FEET FOR ALL EXISTING PIPES.



DRAINAGE REMOVAL LEGEND:

- STORM SEWER REMOVAL (SEE PLAN FOR DIAMETER)
- REMOVING INLETS
- REMOVING CATCH BASINS
- REMOVING MANHOLES
- REMOVE CONCRETE FLARED END SECTIONS
- DRAINAGE STRUCTURES TO BE ADJUSTED
- FRAMES AND LIDS TO BE ADJUSTED

COMPANY NAME: HRGreen
PROJECT CONTACT: HRGreen.com
CLIENT: STATE OF ILLINOIS
FILE NAME: 090071-rem02-01.dgn
PLOT DRIVER: pldrvr.plt
PEN TABLE: standard-trans.tbl

HRGreen.com
Illinois Professional Design Firm
184-001322

USER NAME = tjelton	DESIGNED - JPA	REVISED -
FILE NAME = 090071-rem02-01.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - JLP	REVISED -
PLOT DATE = 11/19/2014	DATE - 11/14/14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY REMOVAL PLAN
BULL VALLEY/CHARLES J. MILLER ROAD

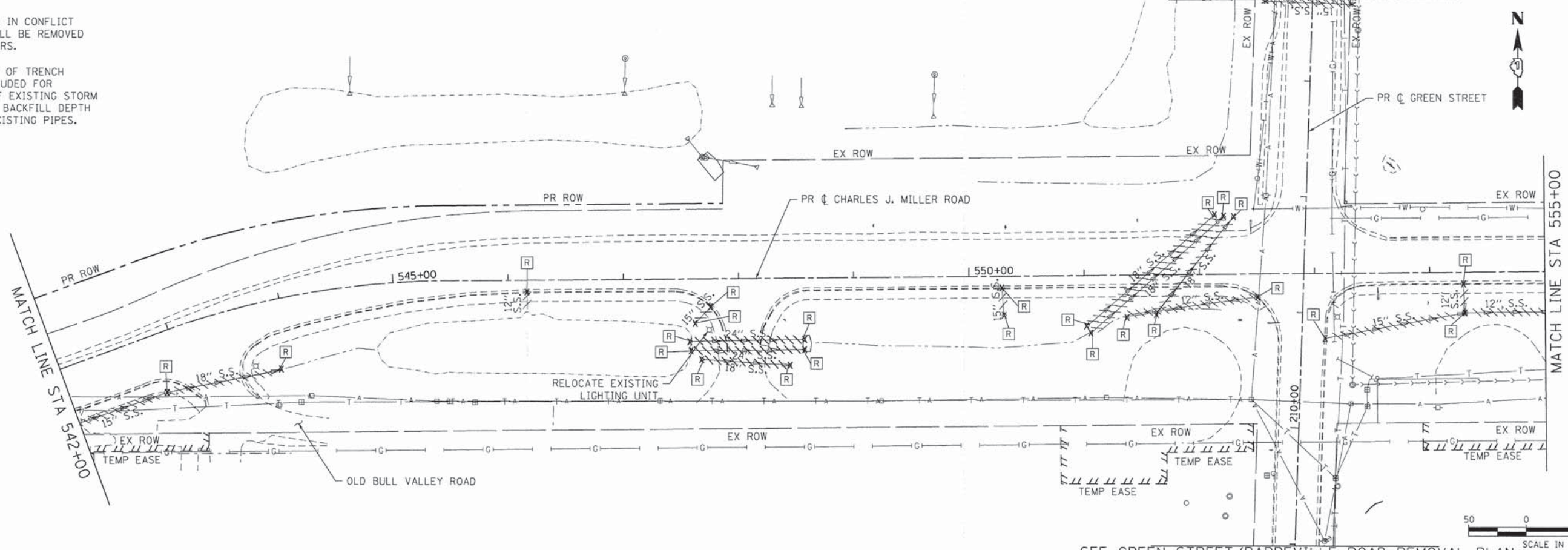
SCALE: 1" = 50' SHEET NO. 2 OF 7 SHEETS STA. 514+00 TO STA. 542+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	99
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63892	

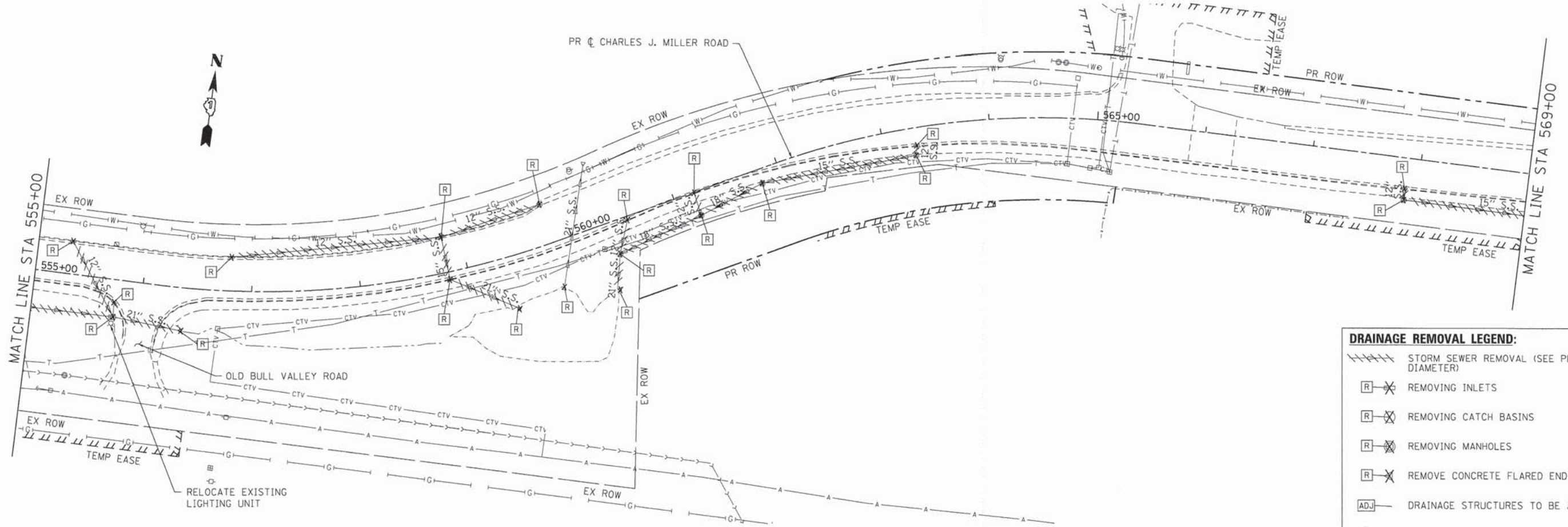
NOTE:
 ALL UTILITIES THAT ARE IN CONFLICT WITH PROPOSED WORK WILL BE REMOVED AND RELOCATED BY OTHERS.

A QUANTITY OF 3696 CY OF TRENCH BACKFILL HAS BEEN INCLUDED FOR BACKFILLING REMOVAL OF EXISTING STORM SEWER. THIS ASSUMES A BACKFILL DEPTH OF 3.5 FEET FOR ALL EXISTING PIPES.

SEE GREEN STREET/BARREVILLE ROAD REMOVAL PLAN



SEE GREEN STREET/BARREVILLE ROAD REMOVAL PLAN



DRAINAGE REMOVAL LEGEND:

- STORM SEWER REMOVAL (SEE PLAN FOR DIAMETER)
- REMOVING INLETS
- REMOVING CATCH BASINS
- REMOVING MANHOLES
- REMOVE CONCRETE FLARED END SECTIONS
- DRAINAGE STRUCTURES TO BE ADJUSTED
- FRAMES AND LIDS TO BE ADJUSTED

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: Illinois Professional Design Firm
 CLIENT: # 184-001322
 DATE PLOTTED: 11/11/2014 10:34:06 AM
 FILE NAME: 090071-rem02-02.dgn
 PLOT DRIVER: pcf.plt
 PEN TABLE: standard-trans.tbl



USER NAME = tyeison	DESIGNED - JPA	REVISED -
FILE NAME = 090071-rem02-02.dgn	DRAWN - SVJ	REVISED -
PLOT SCALE = 1" = 50'	CHECKED - JLP	REVISED -
PLOT DATE = 11/11/2014	DATE - 11/12/14	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY REMOVAL PLAN
 CHARLES J. MILLER ROAD**

SCALE: 1" = 50' SHEET NO. 3 OF 7 SHEETS STA. 542+00 TO STA. 569+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3860	09-00372-01-PW	MCHENRY	358	100
CONTRACT NO. 63892				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				