EXAMPLE SET OF PLANS REVISIONS

Plans original date January 9, 2009 - 48sheets

Revision1 - March 12, 2009 - sheet 29 of 48 - added note about SAR procedures for structures.

Revision2 - June 30, 2009 - sheet 1 of 48 - included CADD Roadway Drafting Reference Guidelines.
- sheet 3 of 48 - revised note to "Central Office in Springfield" instead of just "Springfield".
- sheets 40 and 41 of 48 - information is same, replaced with new sheets from Bridge Office in Springfield.

Revision 3 - November 30, 2009 - sheet 5 of 48 - added note for Radar Speed Trailers on Interstates.
- sheet 20 of 48 - revised notes to include Alternate Routes.

Revision 4 - January 4, 2010 - sheet 12 of 49 - added block with tie point table instructions.
- sheet 13 of 49 - NEW SHEET - added as example for tie points.

Revision 5 - March 30, 2010 - sheet 1 of 49 - revised IDOT web site instructions.
- sheet 44 of 49 - replaced sheet with example in English.
- sheet 45 of 49 - replaced sheet with new example sheet.
- REVISED TEXT SIZES AND ADDED NOTES to example sheets.

Revision 6 - January 21, 2011 - sheet 41 of 49 - updated approach slab and traffic barrier terminal, replaced border.
- sheet 42 of 49 - replaced border.

Revision 7 - December 2, 2011 - sheet 6 of 49 - updated Summary of Quantities to new BD & E format.

Revision 8 - July 11, 2014 - sheet 3 of 49 - showed new location of data due to removal of ftp sites.
- sheet 16 of 49 - Changed text to state that proper levels should be used.

Revision 9 - August 7, 2014 - sheet 1 of 49 - Updated IDOT web site information.
- sheet 3 of 49 - Updated IDOT web site information and JULIE web site information.
- sheet 5 of 49 - Updated IDOT web site information.
- sheet 26 of 49 - Updated IDOT web site information and corrected reference to Drainage Manual.

Revision 10 - April 1, 2017 - Update Text Styles with TrueType Font Text Styles.

Revision 11 - May 24, 2017 - sheet 1 of 50 - Updated path to CADD information on website, edited signature block, and removed "Division of Highways" text. Corrected link for map location and made other minor text modifications.
- sheet 2 of 50 - Replaced with updated border cell.
- sheet 3 of 50 - Updated path to CADD information on website. Also removed district specific comment.
- sheet 5 of 50 - Updated paths to coded pay items. Removed district specific reference.
- sheet 12 of 50 - Removed district specific reference.
- sheet 16 of 50 - Corrected document reference.
- sheet 21 of 50 - Removed district specific reference.
- sheet 41 of 50 - Replaced General Plan and Elevation sheet.
- sheet 42 of 50 - NEW SHEET - Top of Slab Elevations sheet.
- sheet 43 of 50 - Replaced Soil Boring Log sheet.
- All sheets - Changed sheet numbering due to added sheet.

Revision 12 - March 1, 2018 - All sheets - Replaced all sheet borders with updated border cell and changed all text on sheets to use FDOT fonts.
Created information sheets 1, 3, 5, 7, 10, 12, 16, 17, 21, 24, 26, 30, 44, 48 and 50.

MODEL: 1 of 50
FILE NAME: IDOT Example Roadway Plans.dgn

USER NAME = IDOT Example Roadway Plans	DESIGNED - _____	REVISED - _____	**STATE OF ILLINOIS**
	DRAWN - _____	REVISED - _____	**DEPARTMENT OF TRANSPORTATION**
PLOT SCALE = 40.0000 ' / in.	CHECKED - _____	REVISED - _____	
PLOT DATE = 8/14/2019	DATE - _____	REVISED - _____	

_____
_____
SCALE: _____ | SHEET __ OF __ SHEETS | STA. _____ | TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
___	_____	_____	___	___
		CONTRACT NO. ____		
	ILLINOIS FED. AID PROJECT			

Add the following note

SUBSURFACE UTILITY ENGINEERING (S.U.E.) UTILIZED ON THIS PROJECT

if SUE was used on the project to locate utilities
The District will provide the necessary information for the plans

FOR INDEX OF SHEETS, SEE SHEET NO. __

Index of sheets should be placed here on the cover sheet.
If room allows, place Standards list here also. If there is not enough room, place on sheet 2.
For order of sheets see 63 - 3.04 Plan Sheet Organization in the BDE Manual

Note: Examples are shown for information only and may not agree with all current policies.

Cadd drafting information is found at the IDOT web site

www.idot.illinois.gov
Doing Business
Procurements
Engineering, Architectural & Professional Services
Consultant Resources
CADD

100' 200' 300' — 1" = 100'
10' 20' 30' — 1" = 10'
50' 100' — 1" = 50'
— 1" = 20'

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.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1–800–892–0123
OR 811

PROJECT ENGINEER
PROJECT MANAGER

Revise this information to Region/District preference

CONTRACT NO. __

Information in project report or provided by district

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PROPOSED
HIGHWAY PLANS

Information in project report or provided by district

____ ROUTE _____

Only include the mainline distances

SECTION _____
PROJECT _____
TYPE of IMPROVEMENT

Replace with information from project report

_____ COUNTY

C–9x–xxx–xx

See Chapter 63 of the BD & E Manual as well as the Computer Aided Design, Drafting, Modeling and Deliverables Manual for additional guidance.

Provide a project layout map (Maps can be found at http://www.idot.illinois.gov/transportation-system/Network-Overview/highway-system/index and then "Maps")
Include the following (most can be found in project report)
- District north arrow (CADD)
- beginning and ending stations
- all important intermediate stations
- prominent features
- names of special features
- city, route and street names
- station equations and omissions
- description of all structures 20' and over including existing and proposed SN and for structures 6' and over but less than 20' in length

Only include the mainline distances

GROSS LENGTH = x.xx FT. = x.xxx MILE
NET LENGTH = x.xx FT. = x.xxx MILE

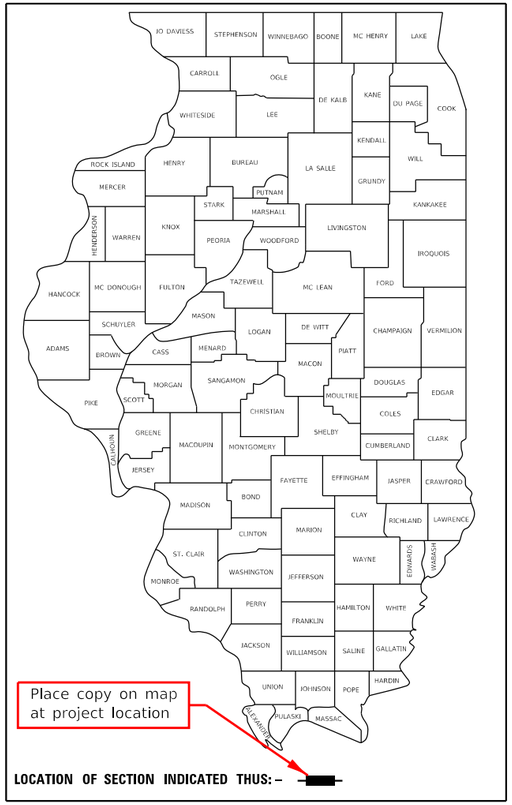
Location of Consultant's

Company name
Professional engineer's signature
Date of license expiration
Professional stamp

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
___	_____	_____	___	1 ___
	ILLINOIS	CONTRACT NO. ____		

Information in project report or provided by district
Include total sheets number on all sheets in plans

P and D numbers in project report or provided by District



Place copy on map at project location

LOCATION OF SECTION INDICATED THUS: – –

Include from project report for the year of construction
functional classification
year ADT and percentage breakdowns

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED _____ 20 _____

_____
REGIONAL ENGINEER

_____ 20 _____

_____
ENGINEER OF DESIGN AND ENVIRONMENT

_____ 20 _____

_____
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

Formatting of text already contained in all border cells should not be modified.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
123	78RS, BR-3	ANYWHERE	55	1
	ILLINOIS	CONTRACT NO. 12345		

Rdwy_title240 (font SWISS_BOLD_CONDENSED, 0.020")

INDEX OF SHEETS

Rdwy_text140 (font FDOT Vert, 0.0117")

FOR INDEX OF SHEETS, SEE SHEET NO. 2

Rdwy_title240 (font SWISS_BOLD_CONDENSED, 0.020")

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

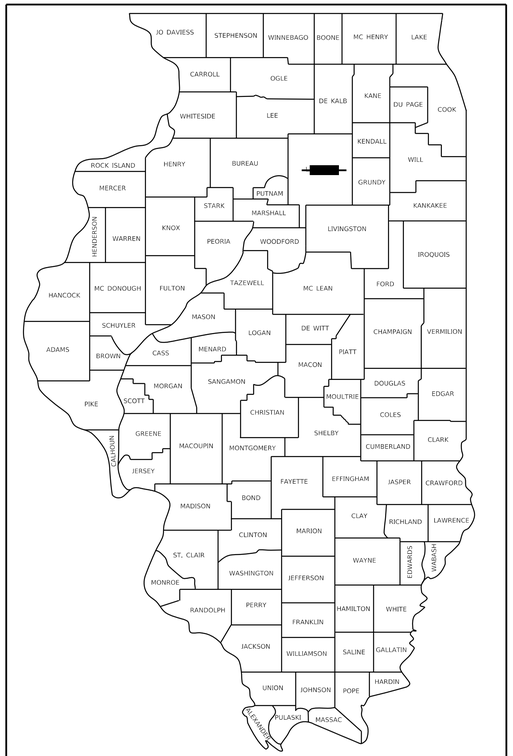
PROPOSED
HIGHWAY PLANS

FAP ROUTE 123 (US 456)
SECTION 78RS, BR–3
PROJECT _____
3R RESURFACING AND BRIDGE REPLACEMENT
ANYWHERE COUNTY

C–93–000–08

P-93-000-05

D-93-000-07



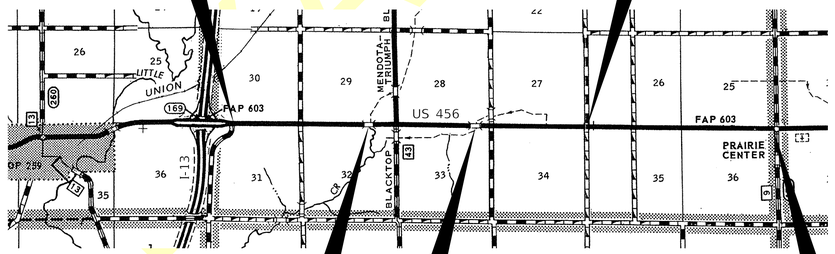
LOCATION OF SECTION INDICATED THUS: – ■ –

Rdwy_title200 (font SWISS_BOLD_CONDENSED, 0.0167")

VILLAGE OF ANYONE

BEGIN IMPROVEMENT
STA 40 + 35

STATION EQUATION
STA 235 + 47.74 BK =
STA 900 + 00 AHD



N

LOCATION MAP NOT TO SCALE

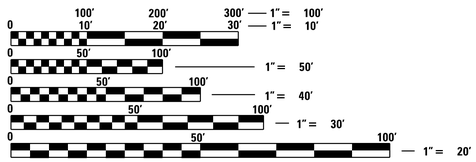
BRIDGE OMISSION
SN 000–0123
STA 119 + 54 TO
STA 120 + 53

BRIDGE REPLACEMENT
STA 172 + 35
EXIST SN 000–0124
PROP SN 000–2012

END IMPROVEMENT
STA 1004 + 52

Rdwy_title240 (font SWISS_BOLD_CONDENSED, 0.020')

FUNCTIONAL CLASSIFICATION
RURAL MINOR ARTERIAL
2009 ADT = 1300
P.V. = 94.8% S.U. = 4.2% M.U. = 1.0%



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.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1–800–892–0123
OR 811

DISTRICT 3 NO. (815) 434–6131
PROJECT ENGINEER: D. BROVIAK
UNIT CHIEF: B. DUNCAN
TOWNSHIP(S): DAVIDSON, SHARPE
CONTRACT NO. 12345

GROSS LENGTH = 29,964.74 FT. = 5.675 MILE
NET LENGTH = 29,865.74 FT. = 5.656 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED _____ 20 _____

_____
REGIONAL ENGINEER

_____ 20 _____

_____
ENGINEER OF DESIGN AND ENVIRONMENT

_____ 20 _____

_____
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

Sheet 2: This sheet is for Index of Sheets, Highway Standards, General Notes, and Commitments.

Index of Sheets

If not able to place on cover sheet, place on this sheet.

List of Highway Standards

If not able to place on cover sheet, place on this sheet.
List is to include only standards needed for this project.
Include the current revision number.
The Standard sheets will be inserted by the Central Office in Springfield prior to letting.

Standards can be found at the IDOT web site:
-
www.idot.illinois.gov
Doing Business
Procurements
Engineering, Architectural & Professional Services
Consultant Resources
Highway Standards

General Notes
Include all applicable general plan notes.
The list of the district's general notes are found at
-
www.idot.illinois.gov
Doing Business
Procurements
Engineering, Architectural & Professional Services
Consultant Resources
Highway Standards
highway-standards-and-district specific standards

Include the correct Applications Rate Table

Include all JULIE member utilities and type of utility within the project limits and IDOT as a non-member if within project limits. If no utilities are present, list "NONE." Check project report for list of utilities.

The JULIE web site is: http://www.illinois1call.com

Commitments

Include all commitments.
Commitments made in Phase I are found in the project report.
Commitments made during Phase II will be provided by the district.
If there are no commitments, then list NONE with the date.

District Signature Block
The signature block is located in the District Specific Standards site
-
www.idot.illinois.gov
Doing Business
Procurements
Engineering, Architectural & Professional Services
Consultant Resources
Highways
District Specific Standards

Place description of sheet here

Information is same as cover sheet

MODEL: 1 of 50
FILE NAME: IDOT Example Roadway Plans.dgn

USER NAME = IDOT Example Roadway Plans	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - _____	REVISED - _____	
PLOT SCALE = 40.0000 ' / in.	CHECKED - _____	REVISED - _____	
PLOT DATE = 8/14/2019	DATE - _____	REVISED - _____	

_____
_____
SCALE: _____ | SHEET __ OF __ SHEETS | STA. _____ | TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
___	_____	_____	___	___
			CONTRACT NO. ____	
	ILLINOIS	FED. AID PROJECT		

Rdwy_title240 (font SWISS_BOLD_CONDENSED, 0.020")

HIGHWAY STANDARDS

Rdwy_text120 (font FDOT Vert, 0.010")

	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
	AREAS OF REINFORCEMENT REBARS
000001-05	DECIMAL OF AN INCH AND OF A FOOT
001001-01	TEMPORARY EROSION CONTROL SYSTEMS
001006	MAILBOX TURNOUT
280001-04	PAVEMENT JOINTS
406201-01	BRIDGE APPROACH PAVEMENT
420001-07	BAR REINFORCEMENT FOR CRC PAVEMENT
420401-06	CURB RAMPS FOR SIDEWALKS
421001-02	CLASS C AND D PATCHES
424001-05	HMA SHOULDER STRIPS/SHOULDERS WITH RESURFACING
442201-03	OR WIDENING AND RESURFACING PROJECTS
482011-03	NAME PLATE FOR BRIDGES
515001-02	PRECAST REINFORCED CONCRETE FLARED END SECTION
542301-01	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
542306-01	METAL END SECTION FOR PIPE CULVERTS
542401	MANHOLE TYPE A
602401-01	FRAME AND LIDS TYPE 1
604001-02	GRATE TYPE 8
604036-01	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606001-03	STEEL PLATE BEAM GUARDRAIL
630001-07	PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630201-05	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
630301-04	TRAFFIC BARRIER TERMINAL, TYPE 6
631031-06	REFLECTOR AND TERMINAL MARKER PLACEMENT
635006-02	REFLECTOR MARKER AND MOUNTING DETAILS
635011-01	RIGHT OF WAY MARKERS
666001	PERMANENT SURVEY MARKERS
667101	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 4.5 m (15') AWAY
701001-01	OFF-RD OPERATIONS, 2L, 2W, 4.5 m (15') TO 600 mm (24") FROM PAVEMENT EDGE
701006-02	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701011-01	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS EQUAL OR GREATER THAN 45 MPH
701201-02	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701301-02	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY,
701306-01	FOR SPEEDS EQUAL OR GREATER THAN 45 MPH
701311-02	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701321-09	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701326-02	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING FOR SPEEDS
701336-04	EQUAL OR GREATER THAN 45 MPH
701501-04	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS
701901	EQUAL OR GREATER THAN 45 MPH
704001-04	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
781001-02	TRAFFIC CONTROL DEVICES
	TEMPORARY CONCRETE BARRIER
	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

BEFORE ORDERING PIPE CULVERTS OR PIPE DRAINS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR EXACT LENGTHS.
THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.
FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.
FOR NEW CONSTRUCTION, PLACE CURB RAMPS FOR SIDEWALKS (STANDARD 424001) AT ALL LOCATIONS WHERE PROPOSED SIDEWALK ABUTS CURB AT STREET ENTRANCES.
THE WORK REQUIRED TO CONNECT ANY SEWER TO AN EXISTING DRAINAGE STRUCTURE OR PIPE WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE BID FOR THE SEWER ITEMS.
SEEDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.
ONLY THOSE TREES DESIGNATED BY THE ENGINEER OR LISTED IN THE TREE REMOVAL SCHEDULE SHALL BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS.
THE FINISHED EARTHWORK SHALL HAVE A VEGETATION-SUSTAINING SOIL COVERING THE TOP FOUR INCHES IN AREAS TO BE SEEDED OR SODDED. THE VEGETATION-SUSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
ON EXISTING PAVEMENT WHICH MAY BE SUPERELEVATED, THE NEW HMA PAVEMENT SHALL BE BUILT WITH THE SAME SUPERELEVATION UNLESS NEW SUPERELEVATION RATES ARE GIVEN ON THE PLANS.
ALL ELEVATIONS REFERRING TO U.S.G.S. MEAN SEA LEVEL DATUM.
ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.
THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

Rdwy_schedule120 (font FDOT Vert Mono, 0.010")

GRANULAR MATERIALS	2.05	TONS / CU YD
BITUMINOUS MAT PRIME COAT	0.08 0.375	GAL / SQ YD OR GAL / SQ YD
AGGREGATE PRIME COAT	0.002	TONS / SQ YD
HMA RESURFACING	112	LBS / SQ YD / IN
SHORT TERM PAVEMENT MARKING	10	FT / 100 FT OF APPLICATION
MIX FOR CRACKS, JTS & FLGWYS	0.0003	TONS / SQ YD
LEVEL BINDER (HAND METHOD)	0.0005	TONS / SQ YD
SUPPLEMENTAL WATERING	3	GAL / SQ YD / APPLICATION
CALCIUM CHLORIDE	2	LB / SQ YD / APPLICATION
TEMPORARY DITCH CHECKS	5	TONS AGGREGATE

ALL EXISTING CORRUGATED METAL PIPE (CMP) FIELD TILES CROSSING UNDER THE ROADWAY, AS SHOWN IN THE PLANS OR DISCOVERED DURING EXPLORATION TRENCHING, SHALL BE REPLACED ACCORDING TO SECTION 611 OF THE STANDARD SPECIFICATIONS AND PAID FOR UNDER THE VARIOUS PAY ITEMS FOR FIELD TILE WORK. (SEE SCHEDULES FOR PAY ITEMS.)
THE REMOVAL OF GUARDRAIL TERMINAL SECTONS SHALL BE INCLUDED IN THE UNIT PRICE PER FOOT FOR GUARDRAIL REMOVAL.
MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:
1. NICOR GAS
2. AT&T
3. FRONTIER COMMUNICATIONS OF ILLINOIS
4. COMMONWEALTH EDISON COMPANY
5. EASTERN ILLINI ELECTRIC COOPERATIVE
6. AMEREN CIPS
7. MEDIACOM
8. VILLAGE OF FORREST

THE CONTRACTOR SHALL CONTACT JULIE AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE WITH THE AREA.

GENERAL NOTES

THE THICKNESS OF HMA SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA IS PLACED.
THE HMA SURFACE OF ALL MAILBOX TURNOUTS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL BE REQUIRED TO SAW CUT THE HMA SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK SHALL BE INCLUDED IN THE COST OF THE HMA SURFACE.
THE BASE COURSE WIDENING SHALL BE CARRIED THROUGH ALL ENTRANCES, SIDE ROADS, AND MAILBOX TURNOUTS. EXCEPTIONS WILL BE SHOWN ON THE PLANS.
EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.

COMMITMENTS:

COMMITMENTS ARE NOT TO BE ALTERED WITHOUT THE WRITTEN APPROVAL OF ALL PARTIES TO WHICH THE COMMITMENT WAS MADE.
1. PLACE 24" PIPE CULVERT (STA. 863+00) AT INTERSECTION OF IL 47 AND 1600N ROAD. ROAD.
2. REPLACE CURB AND GUTTER, RAISE SIDEWALK RT. STA. 1260+00 TO STA. 1262+00. RESOLVES DRAINAGE ISSUES WITH PROPERTY OWNER.
3. COMBINE ENTRANCE CULVERTS AT STA. 1248+32 AND STA. 1249+09 WITH A DRAINAGE BASIN BETWEEN THE ENTRANCES. THE EXISTING CONCRETE ENTRANCE AT STA. 1248+32 WILL BE REPLACED WITH CONCRETE.
4. AT THE REQUEST OF THE PROPERTY OWNERS LEAVE THE DRAINAGE TO THE VERMILION RIVER RT. STA. 950+00 TO STA. 970+00 AS IT EXISTS TODAY. ADD FIELD ENTRANCE RT. STA. 943+85 TO FIT JUST SOUTH OF THE PROPERTY LINE AT STA. 943+55, AT OWNERS REQUEST. EXISTING FIELD ENTRANCE RT. STA. 952+50 WILL BE LOCATED AS FAR NORTH AS POSSIBLE WITHOUT INTERFERING WITH THE PROPOSED GUARDRAIL.
5. HIGH VISIBILITY FENCING AND EROSION CONTROL FENCE SHALL BE PLACED AT VARIOUS LOCATIONS INDICATED IN THE PLANS. (SEE SCHEDULE FOR LOCATIONS).
6. ALL UNDAMAGED STEEL PLATE BEAM GUARDRAIL, TYPE A AND UNDAMAGED BARRIER TERMINIALS TYPE 1, (SPECIAL) SHALL BE SALVAGED AND DELIVERED TO THE IDOT MAINTENANCE YARD IN FORREST, IL.
7. THE RESIDENT ENGINEER WILL HAVE THE EXISTING SECTION CORNER TIES IN THE COMMITMENT FILE FOR CONTRACT 66601.
8.TWO ENTRANCES FOR VAUGHAN LEASING,INC. LOCATED BETWEEN STA. 1235+42.79 TO STA. 1238+00.56 ARE TO BE CONSTRUCTED ONE AT A TIME. WORK IS TO BE COORDINATED WITH THE OWNER, JIM VAUGHAN. BUSINGESS PHONE NUMBER IS 815/657-8271.
9. TWO COMMERICAL ENTRANCES LOCATED BETWEEN STA. 1247+99.47 TO STA. 1250+02.00 RT. ARE TO BE CONSTRUCTED ONE AT A TIME. WORK IS TO COORDINATED WITH THE OWNERS, ALLAN AND BARRY KAISNER, THE SHOP PHONE NUMBER IS 815/657-8214.
10. A FIELD ENTRANCE IS TO BE ADDED AT APPROXIMATELY STA. 1196+00 ON THE EAST SIDE OF IL 47 FOR PROPERTY OWNER DENNIS HAAB. PHONE NUMBER IS 815/657-8321.
11. THE CONTRACTOR SHALL COORDINATE THE CONSTRUCTION OF THE TWO ENTRANCES AT STA. 1248+32 LT. AND STA. 1249+09 LT. WITH THE FIRE CHIEF.
12. PROVIDE A MINIMUM 24' ENTRANCE TO THE PROPERTY OWNER RT. STA. 1189+78.
13. INSTALL A 30" PIPE CULVERT ACROSS THE PROPERTY LOCATED LT. STA. 1000+87. IN ADDITION IF ROOTS ARE ENCOUNTERED DURING THE INSTALLATION OF THE PIPE CULVERT (TREE ROOT PRUNING) WILL BE IMPLEMENTED.
14. PROVIDE A 24' ENTRANCE AT OR NEAR STA. 935+00 RT. OWNER, RICK MILLER, PHONE NUMBER 815/832-5573.
15. PROVIDE A 24' ENTRANCE AT OR NEAR STA. 1047+00 LT. OWNER, MARY HALEY TRUST, CONTRACT PERSON IS MIKE HALEY, PHONE NUMBER 815/474-2164.
16. TWO COMMERCIAL ENTRANCES LOCATED BETWEEN STA. 1250+40 TO STA. 1252+00 RT. ARE TO BE CONSTRUCTED ONE AT A TIME. WORK IS TO BE COORDINATED WITH THE FIRST STATE BANK OF FORREST. CONTACT EDWARD PALEN AT 815/657-8214.

Summary of Quantities

For the Summary of Quantities

Show the appropriate quantity breakdowns based on the construction and safety work type, project location, funding sources, etc. Check the project report for any agreement items. Quantities must be separated at all urban/rural splits and county lines. Use existing Structure numbers and note proposed number.

Provide the correct pay item code number, description, and pay unit exactly as shown.

Fill out the total quantities column.

Round all quantities according to Chapter 64 of the BDE Manual.

Do not rotate the Summary of Quantities on the sheet, use additional sheets instead.+

ouble space pay items.

Indicate Specialty Items with a symbol such as an asterisk
NOT all items requiring a special provision are Specialty Items.
Specialty Items are items of work requiring specialized knowledge, skills, or equipment which are typically outside the general contractor's expertise (e.g., electrical work, traffic signals or permanent pavement markings on a paving contract, blasting on a bridge contract, paving work on an electrical contract, etc.).

Verify that quantities agree with schedules.

The following is a list of items that will be used during the plan review process. It contains district preferences to be considered during the plan preparation process:

Items for traffic control
Items for traffic signing
Temporary quantities
Raised reflective pavement markers
Need approval from district for rip rap or revetment mat
Need approval from district for hydro mulch
Use sod in urban areas rather than seeding
Include supplemental watering for sod
Do not specify pipe material without prior approval (requires an exception)
Use elliptical RCCP instead of arch diameter
Include a Construction Test Strip for each type of HMA with quantity over 3,000 tons
Include Bridge Deck Grooving for proposed concrete decks
Use HMA Surface Course on all side roads that are US and state routes
Use Incidental HMA Surface for mailbox turnouts, entrances, and side roads less than 100'
Permanent survey markers and/or land section markers
Railroad protective liability insurance
Need approval from district for reflective crack control
Use Aggregate Base Course in tons
Use Sub-base Granular Material, Type A in square yards
Use Class SI Concrete Collar in each
Use Temporary Sheet Piling in square feet or TSR System
If earthwork quantities are small, measure by truck count
Link incidental items to an appropriate pay item
Use Short Term and Temporary Pavement Markings according to

A list of pay items can be found at the IDOT web site

-
www.idot.illinois.gov
Doing Business
Procurements
Engineering, Architectural & Professional Services
Consultant Resources
Highways
Letting specific items
Coded Pay Items

-
and
-
www.idot.illinois.gov
Doing Business
Procurements
Engineering, Architectural & Professional Services
Consultant Resources
CADD
Summary of Quantities

NOTE:
An item followed by an asterisk does not always require a special provision. It may be covered by showing a dimension on a typical section, showing an area on a plan sheet, or by including a detail on the plans.

Place
SUMMARY OF QUANTITIES
here as description

Information is same as cover sheet

USER NAME = IDOT Example Roadway Plans	DESIGNED - _____	REVISED - _____
	DRAWN - _____	REVISED - _____
PLOT SCALE = 40.0000 ' / in.	CHECKED - _____	REVISED - _____
PLOT DATE = 8/14/2019	DATE - _____	REVISED - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: _____ | SHEET __ OF __ SHEETS | STA. _____ | TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
___	_____	_____	___	___

CONTRACT NO. _____

ILLINOIS | FED. AID PROJECT

MODEL: 1 of 50
FILE NAME: IDOT Example Roadway Plans.dgn

Rdwy_schedule175 (font FDOT Vert Mono, 0.0146")

Rdwy_SOQ140 (font FDOT Vert Mono, 0.0117")

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE: STP FUNDS 100% CITY HIGHWAY LIGHTING 0030 URBAN	CONSTRUCTION CODE: STP FUNDS 80% FED / 20% STATE ROADWAY 0001 URBAN	CONSTRUCTION CODE: HES FUNDS 90% FED / 10% STATE TRAFFIC SIGNALS 0030 URBAN	CONSTRUCTION CODE: HES FUNDS 90% FED / 10% STATE ROADWAY 0001 URBAN
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	903		602		301
	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	500		333		167
	20101700	SUPPLEMENTAL WATERING	UNIT	7		7		
	20200100	EARTH EXCAVATION	CU YD	21816		14544		7272
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	3338		2225		1113
	20400800	FURNISHED EXCAVATION	CU YD	4009		2689		1320
	20700220	POROUS GRANULAR EMBANKMENT	CU YD	354		236		118
	20800150	TRENCH BACKFILL	CU YD	292	189	67		36
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	21811		14601		7210
	21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	2558		1705		853
*	25000200	SEEDING, CLASS 2	ACRE	2.2		1.5		0.7
*	25000210	SEEDING, CLASS 2A	ACRE	6.6		4.4		2.2
*	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	822		548		274
*	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	822		548		274

Typical Sections

Place mainline typical sections first, followed by other typical sections as they appear along the mainline. Alphabetize or number sequentially each typical section.

Note the title of the typical section and station locations directly below the typical section
The station locations should be continuous through the project. If no work is proposed, show existing typical and no work.

Separate existing and proposed typical sections are only required when pavement is being replaced or when showing the proposed work on the existing typical is too cluttered

Existing roadway information and/or old plans will be supplied by the district, also see project report

Include the following on the typicals
horizontal dimensions rounded to nearest 0.1 ft
vertical dimensions rounded to nearest 1/4 in for resurfacing
profile grade line reference if different than the centerline
types and depths of surface, base, and subbase courses
side slopes expressed as a ratio of vertical to horizontal distances (To avoid confusion may include V:H such as 1V:4H)
cross slopes expressed in percent on pavement and shoulders
superelevations expressed in percent
arrows showing direction of drainage for side slopes, cross slopes, and superelevation rates
final striped width
all applicable pay items

Show paved shoulders and delineators on 40-45 mph curves

Extend subbase past proposed curb and gutter 6"

For further guidance also see 64-2.06 and -2.07 of the BDE Manual and the pavement and shoulder highway standards

Include the approved pavement design with the structural design information (If only doing policy resurfacing, this is not necessary)

For projects with HMA, include a Mixtures Table (Information will be provided by district)

Place
TYPICAL SECTIONS
here as description

Information is same
as cover sheet

MODEL: 1 of 50
FILE NAME: IDOT Example Roadway Plans.dgn

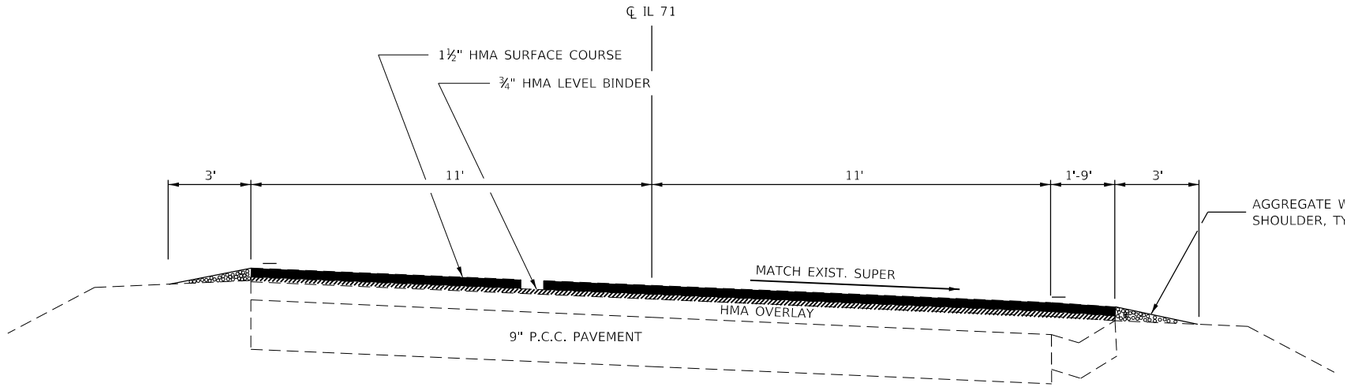
USER NAME = IDOT Example Roadway Plans	DESIGNED - _____	REVISED - _____	**STATE OF ILLINOIS** **DEPARTMENT OF TRANSPORTATION**
	DRAWN - _____	REVISED - _____	
PLOT SCALE = 40.0000 ' / in.	CHECKED - _____	REVISED - _____	
PLOT DATE = 8/14/2019	DATE - _____	REVISED - _____	

SCALE: _____ | SHEET __ OF __ SHEETS | STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
___	_____	_____	___	___

CONTRACT NO. ____

ILLINOIS | FED. AID PROJECT



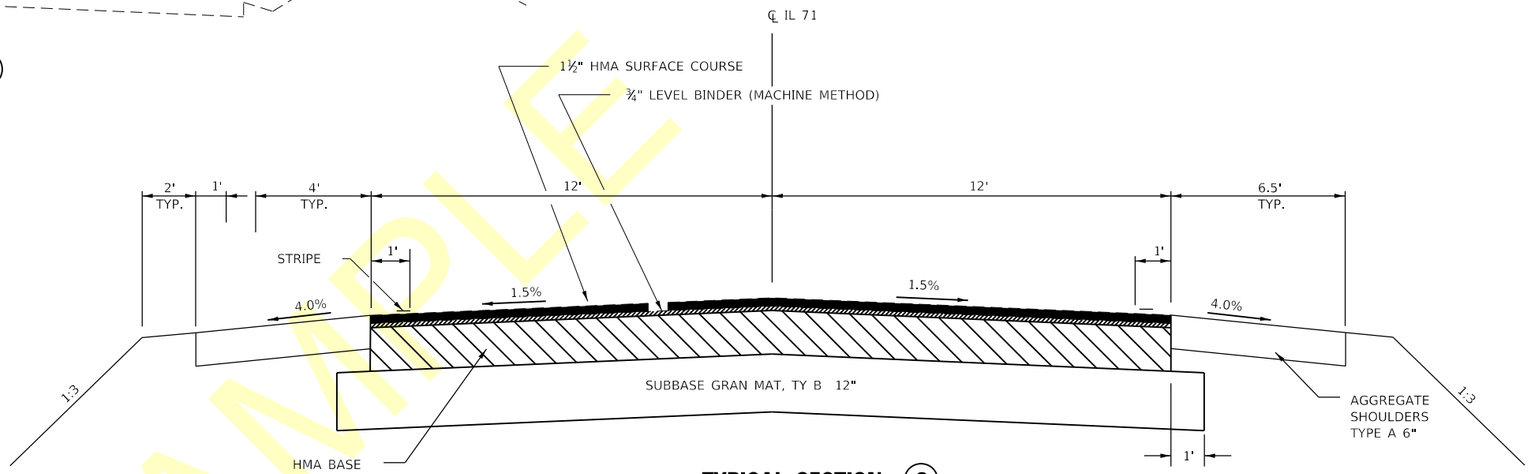
Rdwy_text120 (font FDOT Vert, 0.010")

Rdwy_title240 (font SWISS_BOLD_CONDENSED, 0.020")

TYPICAL SECTION (A)

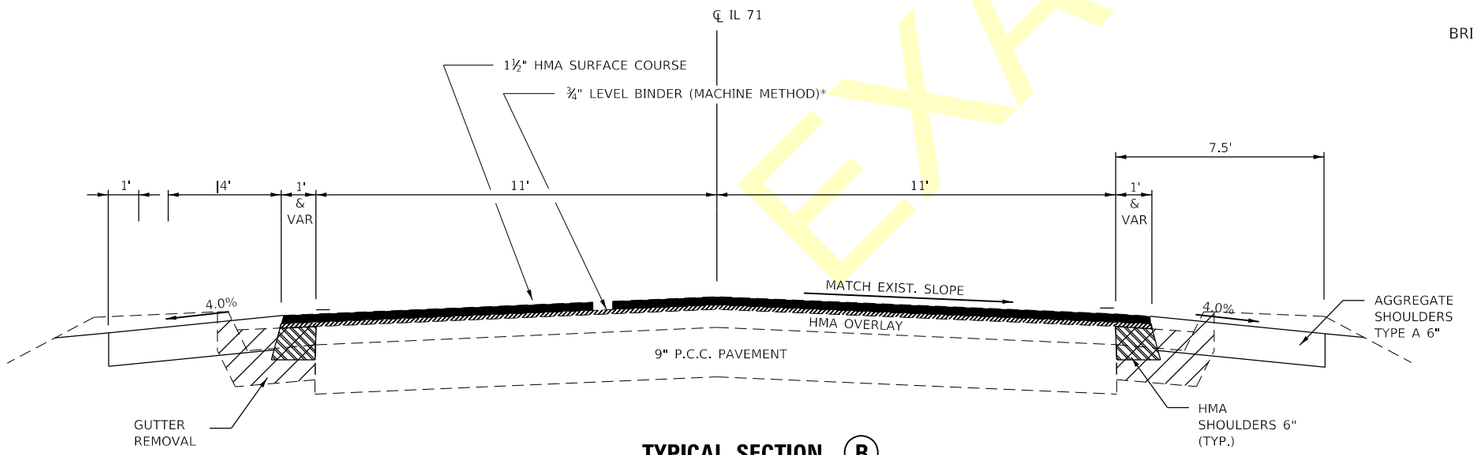
STA. 17+93 TO STA. 21+63

Rdwy_text140 (font FDOT Vert, 0.0117")



TYPICAL SECTION (C)

STA. 22+35 TO STA. 24+54
BRIDGE OMISSION STA. 24+54 TO STA. 28+79



TYPICAL SECTION (B)

STA. 21+63 TO STA. 22+35
STA. 28+79 TO STA. 29+75

* LEVELING BINDER QUANTITY ADDED FROM STA. 28+79 T0 STA. 29|75

Rdwy_schedule120 (font FDOT Vert Mono, 0.010")

MIXTURES TABLE

	HMA BINDER FOR BASE COURSE	HMA SURFACE	HMA LEVEL BINDER	HMA INCIDENTAL SURFACE	HMA SHOULDERS
PG GRADE	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 58-22
MAX % RAP ALLOWABLE**	25	15	25	15	50
DESIGN AIR VOIDS	4.0% @ N50	4.0% @ N50	4.0% @ N50	4.0% @ N50	2.0% @ N30
MIXTURE COMPOSITION	IL 19.0	IL 12.5 OR IL 9.5	IL 9.5	IL 12.5 OR IL 9.5	IL 19.0
FRICTION AGGREGATE		MIXTURE C		MIXTURE C	
DENSITY TEST METHOD	CORES OR CORRELATION	CORES OR CORRELATION	SATISFACTION OF THE ENGINEER	SATISFACTION OF THE ENGINEER	*

Rdwy_text120 (font FDOT Vert, 0.010")

* MATERIAL SHALL BE COMPACTED TO 93.0-97.4 PERCENT OF THE MAXIMUM THEORETICAL DENSITY, EXCEPT THAT WHEN PLACED AS FIRST LIFT ON AN UNIMPROVED SUBGRADE, THE MINIMUM PERCENT COMPACTION SHALL BE 92.0 PERCENT. THE MAXIMUM THEORETICAL DENSITY SHALL BE DETERMINED FROM THE MOVING AVERAGE AS SPECIFIED IN THE QC/QA SPECIFICATION.

** WHEN MORE THAN 20 PERCENT RAP IS USED, A SOFTER ASPHALT BINDER (PG58-22) MAY BE REQUIRED AS DETERMINED BY THE ENGINEER.

MODEL: 8 of 50
FILE NAME: IDOT Example Roadway Plans.dgn

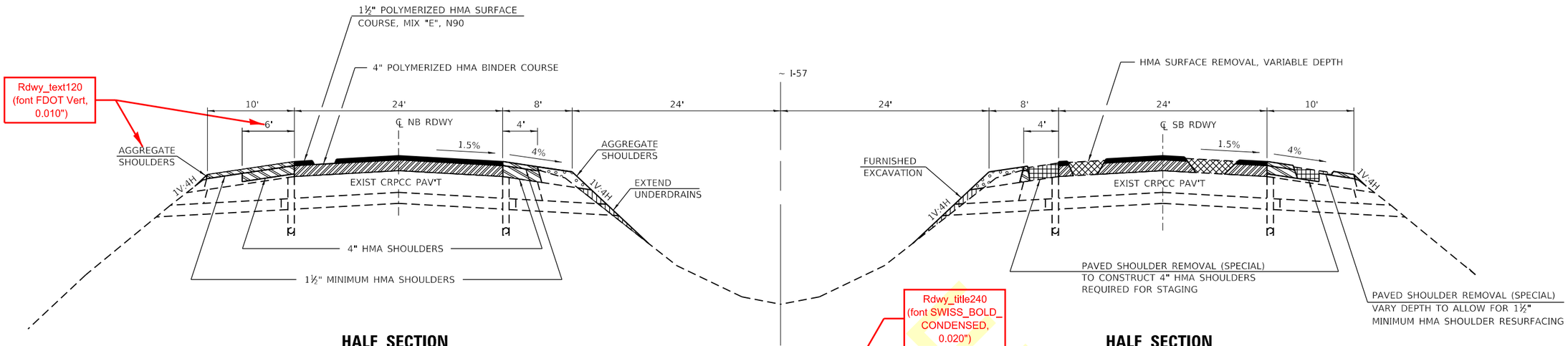
USER NAME = IDOT Example Roadway Plans	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/14/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
627	1BR	LASALLE	69	5
		CONTRACT NO. 66556		
	ILLINOIS	FED. AID PROJECT		



HALF SECTION
SHOWING PROPOSED RESURFACING

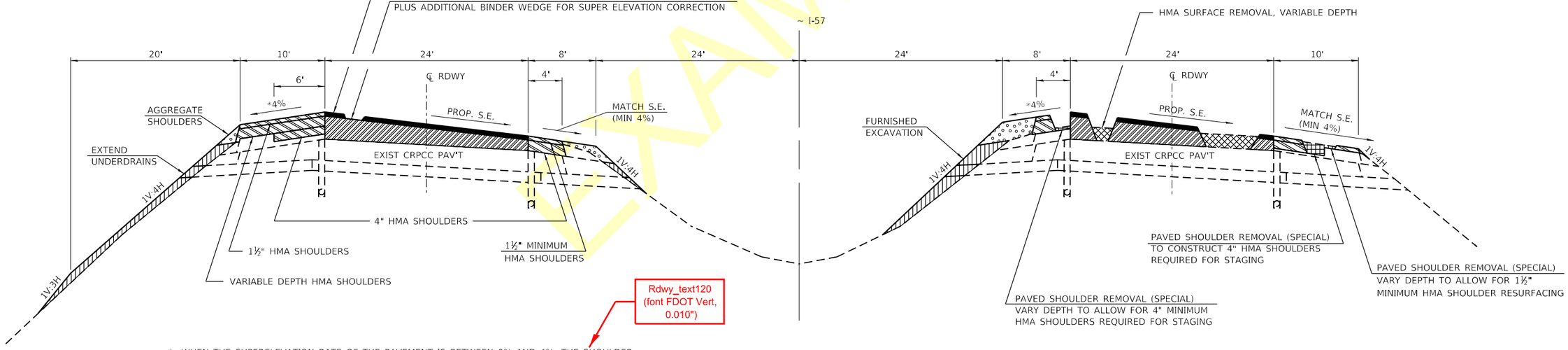
HALF SECTION
SHOWING PROPOSED REMOVAL

Rdwy_title240 (font SWISS_BOLD_CONDENSED, 0.020")

PROPOSED TYPICAL SECTION ①
NORMAL CROWN AREAS

STA 100+00 TO STA 120+65
STA 147+60 TO STA 184+05
STA 245+90 TO STA 294+58
STA 351+73 TO STA 500+00

Rdwy_text140 (font FDOT Vert, 0.0117")



Rdwy_text120 (font FDOT Vert, 0.010")

* WHEN THE SUPERELEVATION RATE OF THE PAVEMENT IS BETWEEN 0% AND 4%, THE SHOULDER SHALL BE SLOPED AT 4%. WHEN THE SUPERELEVATION RATE OF THE PAVEMENT EXCEEDS 4%, THE SHOULDER SHALL BE SLOPED SO THAT THE ALGEBRAIC DIFFERENCE BETWEEN PAVEMENT AND SHOULDER WILL NOT BE GREATER THAN 8%.

SEE STAGING TYPICALS FOR ADDITIONAL PAVING DETAILS.

16' MINIMUM VERTICAL CLEARANCES SHALL BE MAINTAINED UNDER OVERHEAD STRUCTURES. SEE TAPER DETAILS.

PROPOSED TYPICAL SECTION ②
SUPERELEVATION AREAS

STA 120+65 TO STA 147+60
STA 184+05 TO STA 245+90
STA 294+58 TO STA 351+73

SEE SCHEDULES AND PLAN SHEETS FOR TRANSITION LOCATIONS

USER NAME = IDOT Example Roadway Plans	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/14/2019	DATE -	REVISED -	

TYPICAL SECTIONS

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	"	IROQUOIS	200	5
	*(38-3,4)RS-2, (38-4)BR,BR1,BR3	CONTRACT NO. 66757		
	ILLINOIS	FED. AID PROJECT		

Schedule of Quantities

Show all work items in schedules.
Do NOT use the word "Contingent".
Check for agreement with the Summary of Quantities.
Show Participation breakdowns in schedules.
Schedule for Sideroads and Entrances must have quantities broken out per individual location.
Include Temporary Fence for protection of wetlands, hazardous waste areas, property owner commitment areas, or any other areas that the Contractor is prohibited from utilizing during construction.
For clarification, provide an index of schedules for large projects with multiple pages of schedules.

Consider for long term projects (i.e. projects longer than one construction season).
- Include quantities for maintenance of temporary erosion control.
- Include temporary seeding if the project will notbe completed in one season, consider use of Temporary Mulch (Mulch Method II) for over winter break.
- Estimate the increase in patching quantities if the project will not be let in the same year as the plans were developed or if the project will require more than one construction season.
- Include temporary sidewalks.
- Include quantities for maintenance of temporary access.
- Address responsibility for maintenance of existing highway lighting.
- Include method of payment for drums, barricades, or barrier wall to be left in place and becoming the property of the state or another agency. Include method and location of delivery if required.
- Include maintenance responsibilities during a winter shut down.

Following is a list of schedules the plans might contain:

Box Culverts
Bridge Approach
Building Removal
Cleaning Culverts
Curb and Gutter
Deck Drain Extensions
Delineators
Detector Loops
Driveways
Earthwork
Entrances and Side Roads
Erosion Control
Exploration Trench and other Field Tile items
Fence
Grading and Shaping Ditches
Guard Rail
Hazardous Materials
HMA
HMA Surface Removal or Milling
Impact Attenuators
Landscaping
Lighting
Lime Modified Soils
Median and Islands
Patching
Paved Ditch
Pavement
Pavement Marking
Pavement Removal
Permanent Survey Markers
Pipe Culverts
Protective Coat
Rebar
Removal and Disposal of Unsuitable Materials
Right-of-way Markers
Riprap
Rock Excavation
Rumble Strips
Sanitary Sewer
Seeding and Sodding
Sidewalk
Signs
Slurry Sealing or Grouting
Staging
Storm Sewer including Inlets and Manholes
Structure Rehab
Temporary Concrete Barrier
Temporary Pavement
Temporary Pavement Marking
Temporary Ramps
Topsoil
Traffic Signals
Tree Removal
Trench Backfill
Underdrains
Water Main
Water Valves and/or Manhole Adjustment

On projects, where work is done in stages, separate quantities by each stage.
Quantities that may need to be separated are temporary and/or proposed
- earthwork
- pavement
- widening
- drainage items
- barricades and barrier walls
- avement marking
- removal of pavement marking
- guardrail and impact attenuators
- geotextile retaining walls
- other miscellaneous items

Place
SCHEDULE OF QUANTITIES
here as description

Information is same as cover sheet

ENTRANCES AND SIDEROADS

LOCATION STA	LOCATION SIDE	DESCRIPTION	WIDTH	EXIST PAVT TYPE	INC HMA SURF TON	HMA SURF REM 1"*½" SQ YD	BIT MATL (PR CT) GALLON	AGG (PR CT) TON	TEMP RAMP SQ YD
100+00.00		CENTERLINE IL ROUTE 18							
101+90		BEGIN RESURFACING							
112+65	LT	PE	14		3	27	2		
112+89	RT	FE	NO WORK						
115+90	LT	FE	NO WORK						
123+00	LT	FE	NO WORK						
123+05	RT	1250E BLACKSTONE	24	I-11	33	265	21	1	13
124+60	LT	FE	NO WORK						
138+11	RT	FE	NO WORK						
138+15	LT	FE	NO WORK						
150+32	LT	1300E	24	AGG	33	265	21	1	13
150+32	RT	1300E	24	DIRT	33	265	21	1	13
157+47.00		SN 053-2002							
160+00	RT	FE	NO WORK						
164+96	RT	FE	NO WORK						
176+50	RT	FE	NO WORK						
176+60	LT	FE	NO WORK						
177+80	RT	FE	NO WORK						
186+80	LT	PE,MB	14		7	57	5		
187+10	RT	PE,MB	14		7	57	5		
203+20	LT	1400E	24	AGG	33	265	21	1	13
203+20	RT	1400E	24	AGG	33	265	21	1	13
213+00	RT	FE	NO WORK						
216+75	RT	FE	NO WORK						
220+68	LT	FE	NO WORK						
225+75	RT	FE	NO WORK						
235+80	RT	FE	NO WORK						
242+95	RT	FE	NO WORK						
253+35	LT	FE	NO WORK						
254+24	LT	CE			6	50	4		
256+35		1500E ILL 170		HMA	SEE MAINLINE SCHEDULE				
258+30	LT	CE				50	4		
259+80	RT	CE	35	CONC	6		4		
264+80	LT	FE	NO WORK						
279+42	LT	PE,MB	14		7	57	5		
280+85	RT	CE (PRESTRESS)	35	PCC/HMA	11	40	7		
288+10	RT	FE	NO WORK						
293+40	LT	PE,MB	14		7	57	5		
306+00	LT	FE	NO WORK						
309+20	LT	1600E BUDD	24	A-3	33	265	21	1	13
309+20	RT	1600E	24	AGG	33	265	21	1	13
310+95	LT	PE	14		3	27	2		
317+80	LT	FE	NO WORK						
317+80	RT	FE	NO WORK						
322+42	RT	FE	NO WORK						
322+87.50 BACK = 322+85.10 AHEAD									
328+80	LT	PE,MB	14		7	57	5		
328+95	RT	PE	14		3	27	2		
329+80	RT	PE	14		3	27	2		
335+75	RT	FE	NO WORK						
341+60	LT	FE	NO WORK						
348+75	RT	FE	NO WORK						
349+00	LT	FE	NO WORK						
361+80	LT	1700E	24	AGG	33	265	21	1	13
361+80	RT	1700E	24	A-3	33	265	21	1	13
363+35	LT	PE,MB	14		7	57	5		
372+95	LT	FE	NO WORK						
383+78	RT	FE	NO WORK						
384+05	LT	FE	NO WORK						
385+25.00		SN 053-2009							
390+80	RT	PE	14		3	27	2		
390+90	LT	MB			4	30	2		
392+00	LT	PE	14		3	27	2		
392+00	RT	FE	NO WORK						
393+95	LT	MB			4		11		
393+95	RT	PE	14	AGG	3		10		
395+28	LT	MB			4		11		
395+28	RT	PE	14	AGG	3		10		
398+16	LT	MB			4		11		
398+16	RT	PE	14	AGG	3		10		
406+80	RT	FE	NO WORK						
414+60	LT	1800E	24	AGG	33	265	21	1	13
414+60	RT	1800E	24	AGG	33	265	21	1	13
419+90	LT	FE	NO WORK						
420+90	RT	FE	NO WORK						
427+50	LT	FE	NO WORK						

ENTRANCES AND SIDEROADS

LOCATION STA	LOCATION SIDE	DESCRIPTION	WIDTH	EXIST PAVT TYPE	INC HMA SURF TON	HMA SURF REM 1"*½" SQ YD	BIT MATL (PR CT) GALLON	AGG (PR CT) TON	TEMP RAMP SQ YD
435+10	LT	MB			4	30	2		
435+10	RT	PE	14		3	27	2		
444+95	LT	MB			4		11		
444+95	RT	PE	14		3	27	2		
449+60	LT	FE	NO WORK						
451+40	LT	PE,MB	14		7	57	5		
453+40	LT	FE	NO WORK						
458+42.00		SN 053-2008							
459+65	RT	FE	NO WORK						
465+48	LT	FE	NO WORK						
466+90	LT	1900E	24	A-3	33	265	21	1	13
466+90	RT	1900E	24	AGG	33	265	21	1	13
478+25	LT	FE	NO WORK						
483+30	RT	FE	NO WORK						
486+75	LT	FE	NO WORK						
492+85	RT	FE	NO WORK						
493+30	LT	FE	NO WORK						
493+42	RT	FE	NO WORK						
506+60	RT	FE	NO WORK						
519+45	LT	2000E NEVADA	24	A-3	33	265	21	1	13
519+45	RT	2000E	24	A-3	33	265	21	1	13
525+55	RT	FE	NO WORK						
530+45	LT	FE	NO WORK						
531+75.00		SN 053-2007							
532+60	RT	FE	NO WORK						
554+15	RT	PE,MB	14		7	57	5		
554+20	LT	PE	14		3	27	2		
557+30	LT	FE	NO WORK						
572+20	LT	2100E SUNBURY	24	I-11	33	265	21	1	13
572+20	RT	2100E ODELL, CH 6	24	I-11	33	265	21	1	13
579+90	LT	FE	NO WORK						
593+60	LT	FE	NO WORK						
599+85	RT	FE	NO WORK						
603+40	LT	FE	NO WORK						
625+15	LT	2200E	24	AGG	33	265	21	1	13
625+15	RT	2200E	24	AGG	33	265	21	1	13
638+25	LT	FE	NO WORK						
643+85	RT	PE,MB	14		7	57	5		
645+10	RT	FE	NO WORK						
645+25	LT	FE	NO WORK						
651+57	RT	FE	NO WORK						
651+60	LT	FE	NO WORK						
662+60	RT	PE,MB	14		7	57	5		
665+70	RT	CE	35	HMA	6	50	4		
667+70	LT	FE	NO WORK						
669+26.00		SN 053-2006							
671+40	RT	FE	NO WORK						
676+50	RT	MB			4	30	2		
677+70	LT	2300E	24	A-3	33	265	21	1	13
677+70	RT	2300E	24	AGG	33	265	21	1	13
685+80	RT	FE	NO WORK						
687+20	RT	PE,MB	14		7	57	5		
695+52	LT	PE	14		3	27	2		
695+52	RT	MB			4	30	2		
699+98	RT	FE	NO WORK						
700+08	LT	PE	20	HMA	4	34	3		
703+97	LT	PE	14		3	27	2		
704+00	RT	PE,MB/FE	14	AGG	7		21		
710+86		END RESURFACING							
711+71.91		SN 053-0158							
TOTALS					884	SEE MAINLINE SCHEDULE			

Rdwy_schedule140 (font FDOT Vert Mono, 0.0117")

Rdwy_schedule120 (font FDOT Vert Mono, 0.010")

MODEL: 11 of 50
FILE NAME: IDOT Example Roadway Plans.dgn

USER NAME = IDOT Example Roadway Plans	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/14/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULES

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
649	(16)RS-4, (17,28)RS-2	LIVINGSTON	15	6
		CONTRACT NO. 66528		
	ILLINOIS FED. AID PROJECT			

Alignment, Tie, and Benchmark sheet

1) Alignment. On all projects, a separate alignment sheet will be provided showing the existing and proposed horizontal alignment with the appropriate curve data, line bearings,centerline control points, and other pertinent information. The alignment drawing should be drawn to scale and include a north arrow.

2) Reference Ties. Reference ties will be required on every project. Figures illustrating the reference tie point locations may be simple or detailed schematics with the appropriate dimensions and tie points identified, including the station and offset and applicable control tie designation (e.g., POT, PI, PT, PC). Locating and referencing the centerline of survey will consist of establishing and referencing the control points of the centerline of surveys such as PC's, PT's and as many POT's as are necessary to provide a line of sight. Show reference ties having locations tied to the mainline first, by increasing station, followed by ties to other points in the order they appear along the mainline. Clearly identify the feature to which the ties are referenced (e.g., iron pin 18 in. (0.5 m) deep, corner of wall). Tie figures are generally not drawn to scale. If too congested with the alignment drawing, transfer the tie figure to an insert directly under the point involved. At least three reference ties less than 100' in length are required to each point. Note the tie distances to the nearest 0.01 ft. (5 mm). State Plane Coordinates shall be provided for all control points and centerline control points.

3) Benchmark Data. Benchmark tabulations should show the station, location, description, and elevation of each benchmark. Show mainline benchmarks first, followed by benchmarks to other facilities in the order they appear along the mainline. Clearly identify the road or line to which a group of benchmarks is referenced. Show elevations in feet to two decimal places (i.e., 0.01 ft.); show elevations in meters to three decimal places (i.e., 0.001 m). Provide a detailed description to locate the benchmark used for the level datum source. The description should include the benchmark location, elevation, number, and any other pertinent information. Benchmarks will be established along the project outside of construction limits not exceeding 1000 ft. (300 m) intervals horizontally and 20 ft. (6 m) vertically. A minimum of two benchmarks will be required regardless of the project size.

Also include layout information for all streets and sideroads.

Point locations should be listed in a table with the following instructions:

1) Engineer will re-establish monument (usually with in kind i.e. PK nail)
Engineer will re-establish monument and furnish tie sketches to District Plats and Plans (usually paid for as Permanent Survey Marker)
Professional land surveyor shall re-establish monument, record new monument record and provide copy to District Plats and Plans (usually paid for as Land Section Marker).

The table information will be provided by the District Land Acquisition department.
Tie points for notes 1 and 2 will generally be for resurfacing projects. Tie points for note 3 will generally be for projects with major ROW purchases where existing topography is being destroyed.

Place description of sheet here

Information is same as cover sheet

USER NAME = IDOT Example Roadway Plans	DESIGNED - _____	REVISED - _____	**STATE OF ILLINOIS**
	DRAWN - _____	REVISED - _____	**DEPARTMENT OF TRANSPORTATION**
PLOT SCALE = 40.0000 ' / in.	CHECKED - _____	REVISED - _____	
PLOT DATE = 8/14/2019	DATE - _____	REVISED - _____	

SCALE: _____ | SHEET __ OF __ SHEETS | STA. _____ | TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
___	_____	_____	___	___

CONTRACT NO. ____

ILLINOIS | FED. AID PROJECT

MODEL: 1 of 50
FILE NAME: IDOT Example Roadway Plans.dgn

TIE POINT LOCATION STA	DESCRIPTION	EXISTING MONUMENT TYPE	PROPOSED MONUMENT TYPE			MONUMENT RECORD TO BE RECORDED	NOTE
			SAME	PSM TYPE I	LAND SECTION MARKER		
				EACH	EACH		
① IL 47 45|22	NE CORNER SEC 22 T25N R7E (MONUMENT RECORD)	PSM			1	YES	3
② IL 47 1279+87.66	NW CORNER SEC 26 T25N R7E (MONUMENT RECORD)	PSM			1	YES	3
③ IL 47 306+41.06	SW CORNER SEC 26 T25N R7E (MONUMENT RECORD)	PSM			1	YES	3
④ IL 47 545|00	E,CORNER SEC 34 T25N R7E (MONUMENT RECORD)	PSM			1	YES	3
⑤ IL 165 171+00	POT	PK NAIL	PK NAIL			NO	1
⑥ IL 165 223|26	SW CORNER SEC 27 T25N R7E (MONUMENT RECORD)	3/8" REBAR		1		YES	2
TOTALS				1	4		

NOTES:
1) ENGINEER WILL RE-ESTABLISH MONUMENT

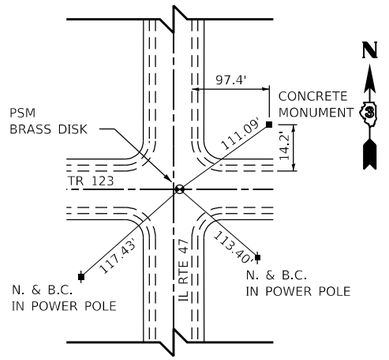
2) ENGINEER WILL RE-ESTABLISH MONUMENT AND FURNISH TIE SKETCHES TO DISTRICT 3 PLATS & PLANS

3) PROFESSIONAL LAND SURVEYOR SHALL RE-ESTABLISH MONUMENT, RECORD NEW MONUMENT RECORD AND PROVIDE COPY TO DISTRICT 3 PLATS & PLANS

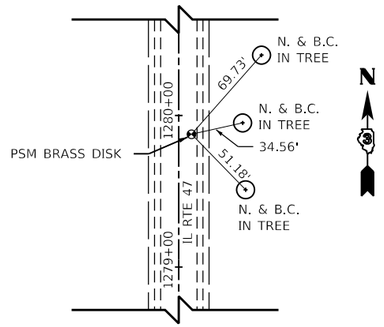
PSM = PERMANENT SURVEY MARKER

Rdwy_schedule120 (font FDOT Vert Mono, 0.010")

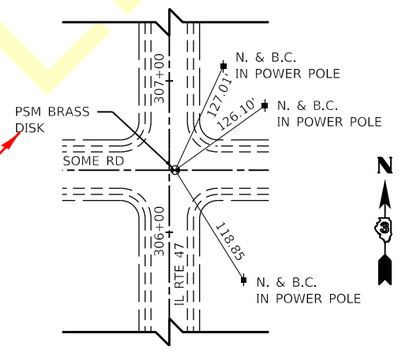
Rdwy_text120 (font FDOT Vert, 0.010")



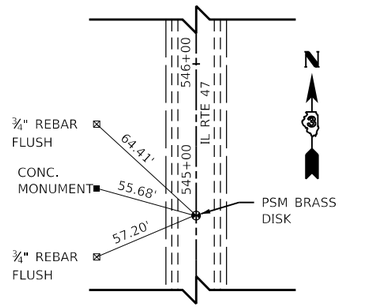
① TIES TO NE CORNER OF SECTION 22, T25N, R7E
REPLACE WITH LAND SECTION MARKER
STA 45|22



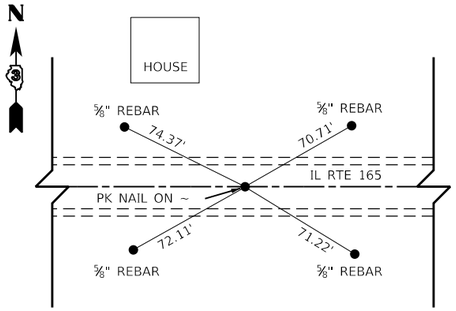
② TIES TO NW CORNER OF SECTION 26, T25N, R7E
REPLACE WITH LAND SECTION MARKER
STA 1279+87.66, 8.4' EAST OF IL 47 CENTERLINE



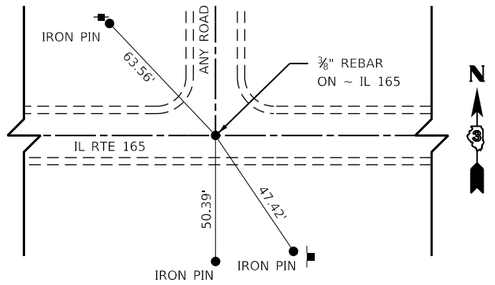
③ TIES TO SW CORNER OF SECTION 26, T25N, R7E
REPLACE WITH LAND SECTION MARKER
STA 306+41.06, 4.0' EAST OF IL 47 CENTERLINE



④ TIES TO EAST QUARTER CORNER OF SECTION 34, T25N, R7E
REPLACE WITH LAND SECTION MARKER
STA 545|00



⑤ TIES TO POT
REPLACE WITH PK NAIL
STA 171+00



⑥ TIES TO SW CORNER OF SECTION 27, T25N, R7E
REPLACE WITH PERMANENT SURVEY MARKER
STA 223|26

MODEL: 13 of 50
FILE NAME: IDOT Example Roadway Plans.dgn

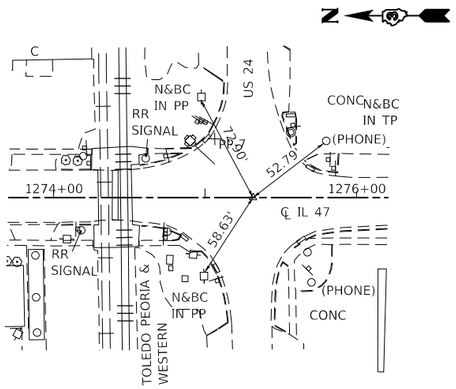
USER NAME = IDOT Example Roadway Plans	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/14/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

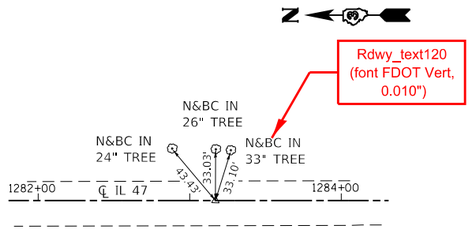
TIE POINTS

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	25R	FORD	322	17
		CONTRACT NO. 12345		
	ILLINOIS	FED. AID PROJECT		



P.I. STA. 1275 + 28.95
CONC. NAIL
OLD PT.#131A NEW PT.#283



Rdwy_text120
(font FDOT Vert,
0.010")

Rdwy_title240
(font Swiss_Bold_
Condensed,
0.020")

P.O.T. STA. 1283 + 14.30
CONC. NAIL
OLD PT.#133 NEW PT.#20

BENCHMARKS

BM#90 CHISLED SQUARE ON SOUTHEAST
WINGWALL 25.1' LT. STA. 766+40 ELEV. 678.73

BM#88 NAIL IN POWER POLE
39.2' LT. STA. 779+06 ELEV. 674.33

BM#86 NAIL IN POWER POLE
38.6' LT. STA. 792+68.2 ELEV. 667.31

BM#84 CHISLED SQUARE ON SOUTHWEST
WINGWALL 18.7' RT. STA. 805+64.5 ELEV. 667.62

BM#81 NAIL IN POWER POLE
38.3' LT. STA. 822+16.8 ELEV. 663.37

BM#78 CHISLED SQUARE NORTH END OF
WEST HEADWALL BOX CULVERT 20.3' RT.
STA. 836+86.4 ELEV. 663.24

BM#75 CHISLED SQUARE IN PAVEMENT
NEAR PAVEMENT STAMP 852
11.3' RT. STA. 851+90.3 ELEV. 662.68

BM#71 CHISLED SQUARE IN PAVEMENT
NEAR PAVEMENT STAMP 872
11.9' RT. STA. 851+90 ELEV. 671.10

BM#69 CHISLED SQUARE IN PAVEMENT
NEAR PAVEMENT STAMP 882
12.1' RT. STA. 881+97 ELEV. 672.12

BM#66 CHISLED SQUARE IN PAVEMENT
NEAR PAVEMENT STAMP 897
12.2' RT. STA. 896+91.6 ELEV. 675.78

BM#64 NAIL IN POWER POLE
40.1' LT. STA. 909+27.5 ELEV. 676.92

BM#61 CHISLED SQUARE IN PAVEMENT
NEAR PAVEMENT STAMP 932
12' RT. STA. 931+83.6 ELEV. 655.75

BM#59 CHISELED SQUARE ON SOUTHWEST
CORNER BRG. HUB GUARD
16.6' RT. STA. 950+48.1 ELEV. 655.02

BM#55 NAIL IN POWER POLE
38.9' LT. STA. 971+95.3 ELEV. 648.77

BM#52 NAIL IN POWER POLE
35.5' LT. STA. 988+44 ELEV. 649.46

BM#49 NAIL IN POWER POLE
39.9' LT. STA. 1006+99 ELEV. 652.40

BM#47 NAIL IN POWER POLE
39.6' LT. STA. 1018+87.9 ELEV. 656.59

BM#45 NAIL IN POWER POLE
39.3' LT. STA. 1031+71 ELEV. 671.74

BM#43 CHISLED SQUARE ON EAST
HEADWALL OF BOX CULVERT
26.1' LT. STA. 1044+02 ELEV. 670.35

BM#40 NAIL IN POWER POLE
39.4' LT. STA. 1063+03.2 ELEV. 674.75

BM#38 CHISLED SQUARE ON WEST
HEADWALL OF BOX CULVERT
42' RT. STA. 1076+81.5 ELEV. 674.27

BM#35 NAIL IN POWER POLE
38.7' LT. STA. 1093+36.5 ELEV. 687.91

BM#32 CHISLED SQUARE IN PAVEMENT
NEAR PAVEMENT STAMP 1112
12.8' RT. STA. 1111+93.1 ELEV. 701.54

Rdwy_text120
(font FDOT Vert,
0.010")

BM#27 NAIL IN POWER POLE
38.5' RT. STA. 1138+82.1 ELEV. 720.31

BM#24 NAIL IN FENCE POST
40.7' RT. STA. 1155+80.7 ELEV. 733.63

BM#22 CHISLED SQUARE IN PAVEMENT
NEAR PAVEMENT STAMP 1167
12.3' RT. STA. 1167+14 ELEV. 726.62

BM#18 NAIL IN POWER POLE
39.3' RT. STA. 1188+71.1 ELEV. 728.23

BM#17 NAIL IN POWER POLE
39.2' RT. STA. 1196+62.3 ELEV. 726.92

BM#14 NAIL IN POWER POLE
38.6' LT. STA. 1214+21.6 ELEV. 700.43

BM#12 NAIL IN POWER POLE
36.0' LT. STA. 1225+76.7 ELEV. 697.95

BM#10 CHISLED "X" ON NORTHEAST
BOLT, BOTTOM FLANGE FIRE HYDRANT
61' LT. STA. 1235+54 ELEV. 692.82

BM#8 CHISLED SQUARE ON EAST SIDE
CONCRETE MANHOLE
41' RT. STA. 1247+90 ELEV. 688.39

BM#6 CHISLED "X" ON NORTHEAST
BOLT, FIRE HYDRANT
24.2' RT. STA. 1256+23.1 ELEV. 691.44

BM#3 CHISLED "X" ON NORTHEAST
BOLT, FIRE HYDRANT
24.6' RT. STA. 1266+57.5 ELEV. 687.80

BM#1 CHISLED SQUARE ON BRAKE
POLE FOR SIGNAL
37.2' LT. STA. 1274+92 ELEV. 685.39

MODEL: 14 of 50
FILE NAME: IDOT Example Roadway Plans.dgn

USER NAME = IDOT Example Roadway Plans	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/14/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 47 ALIGNMENT TIE SHEET
IDOT CONTROL POINTS & BENCHMARKS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	"	LIVINGSTON	354	33
*(123,123X)RS-3,(124)RS-5,(123)BR-3		CONTRACT NO. 6601		
	ILLINOIS	FED. AID PROJECT		

ALIGNMENT COORDINATES - IL 170			
IL 170	STATION	N	E
POB	61+00.00	89149.4129	58408.8116
PC	65+26.35	88723.3957	58425.6638
PI	65+72.95	88676.8297	58427.5058
PT	66+19.50	88630.5863	58433.2798
PC	90+70.55	86198.4231	58736.9616
PI	93+27.97	85942.9886	58768.8554
PT	95+63.90	85769.0735	58958.6381
POT	100+13.44	85465.3538	59290.0683

ALIGNMENT COORDINATES-EAST LEG OF ACCESS DRWY			
	STATION	N	E
POB	1+00.00	87873.2559	58433.797
PC	1+66.68	87886.5781	58499.137
PI	1+90.78	87891.391	58522.743
PT	2+14.76	87892.3753	58546.814
POT	2+87.17	87895.3335	58619.156

ALIGNMENT COORDINATES - CARGILL DRWY			
	STATION	N	E
POB/PC	1+00.00	87813.2683	58445.9754
PI	1+51.62	87789.4713	58400.1697
PT	2+01.23	87789.6214	58348.5515
POT	4+70.32	87790.4034	58079.4614

Rdwy_schedule120 (font FDOT Vert Mono, 0.010")

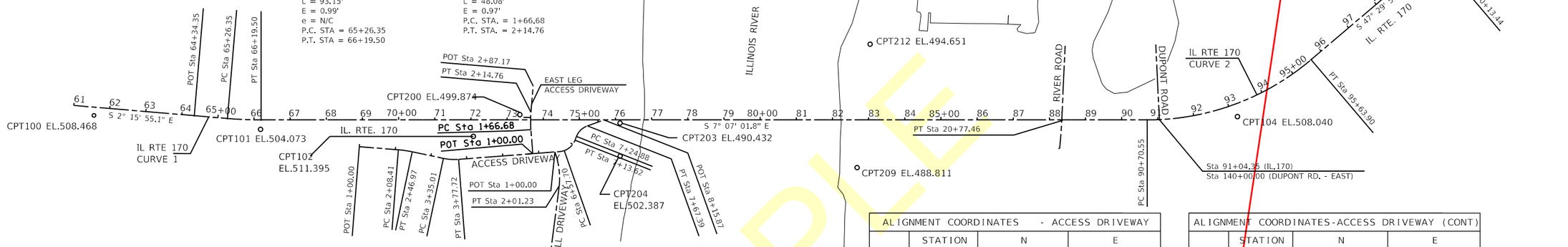
Rdwy_text100 (font FDOT Vert, 0.0083")

Smaller text style was used due to scale and volume of information.

PROP. IL. RTE. 170 CURVE 1
PI STA. = 65+72.95
Δ = 4° 51' 07" (LT)
D = 5° 12' 31"
R = 1,100.00'
T = 46.60'
L = 93.15'
E = 0.99'
e = N/C
P.C. STA = 65+26.35
P.T. STA = 66+19.50

PROP. EAST LEG ACCESS DRIVEWAY CURVE
PI STA. = 1+90.78
Δ = 9° 10' 57" (RT)
D = 19° 05' 55"
R = 300.00'
T = 24.09'
L = 48.08'
E = 0.97'
P.C. STA. = 1+66.68
P.T. STA. = 2+14.76

PROP. IL. RTE. 170 CURVE 2
PI STA. = 93+27.97
Δ = 40° 22' 52" (LT)
D = 8° 11' 06"
R = 700.00'
T = 257.42'
L = 493.35'
E = 45.83'
e = 5.7%
T.R. = 31'
S.E. RUN = 177'
P.C. STA = 90+70.55
P.T. STA = 95+63.90



PROP. ACCESS DRIVEWAY CURVE 1
PI STA. = 2+27.72
Δ = 7° 21' 46" (RT)
D = 19° 05' 55"
R = 300.00'
T = 19.30'
L = 38.55'
E = 0.62'
P.C. STA. = 2+08.41
P.T. STA. = 2+46.97

PROP. ACCESS DRIVEWAY CURVE 2
PI STA. = 3+56.51
Δ = 16° 18' 52" (LT)
D = 38° 11' 50"
R = 150.00'
T = 21.50'
L = 42.71'
E = 1.53'
P.C. STA. = 3+35.01
P.T. STA. = 3+77.72

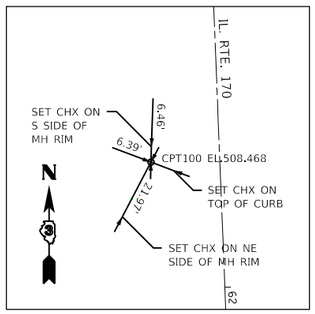
PROP. ACCESS DRIVEWAY CURVE 3
PI STA. = 6+88.99
Δ = 64° 04' 50" (LT)
D = 114° 35' 30"
R = 50.00'
T = 31.29'
L = 55.92'
E = 8.98'
P.C. STA. = 6+57.70
P.T. STA. = 7+13.62

PROP. ACCESS DRIVEWAY CURVE 4
PI STA. = 7+47.51
Δ = 48° 42' 19" (RT)
D = 114° 35' 30"
R = 50.00'
T = 22.63'
L = 42.50'
E = 4.88'
P.C. STA. = 7+24.88
P.T. STA. = 7+67.39

PROP. CARGILL DRIVEWAY CURVE
PI STA. = 1+51.62
Δ = 27° 37' 09" (RT)
D = 27° 17' 01"
R = 210.00'
T = 51.62'
L = 101.23'
E = 6.25'
P.C. STA = 1+00.00
P.T. STA = 2+01.23

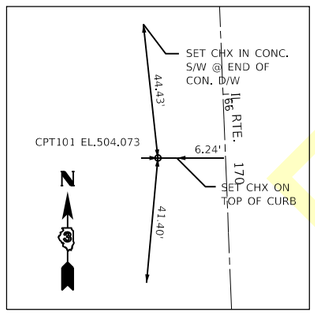
ALIGNMENT COORDINATES - ACCESS DRIVEWAY			
	STATION	N	E
POB	1+00.00	88351.7029	
PC	2+08.41	88243.3982	58398.3319
PI	2+27.72	88224.1155	58399.1983
PT	2+46.97	88204.8808	58397.5864
PC	3+35.01	88117.1475	58390.2342
PI	3+56.51	88095.7218	58388.4387
PT	3+77.72	88074.6543	58392.7341

ALIGNMENT COORDINATES-ACCESS DRIVEWAY (CONT)			
	STATION	N	E
PC	6+57.70	87800.3144	58448.6692
PI	6+88.99	87769.6529	58454.9207
PT	7+13.62	87761.8733	58485.2306
PC	7+24.88	87759.0737	58496.1377
PI	7+47.51	87753.4473	58518.0584
PT	7+67.39	87733.2647	58528.2973
POT	8+15.87	87690.0218	58550.2348



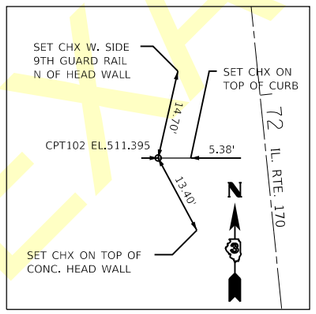
CONTROL POINT #100

SET CHX IN CENTER OF CONCRETE SIDEWALK AT THE NORTHWEST CONRER OF SOUTH AND MAIN ST.
STA. 61+57.74, 22.72' RT.
N 89090.8190
E 58388.3920
ELEV. 508.468



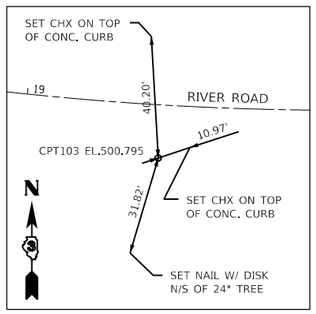
CONTROL POINT #101

SET CHX IN CONCRETE SIDEWALK AT RES #429
STA. 66+18.08, 26.18' RT.
N 88628.7870
E 58407.1180
ELEV. 504.073



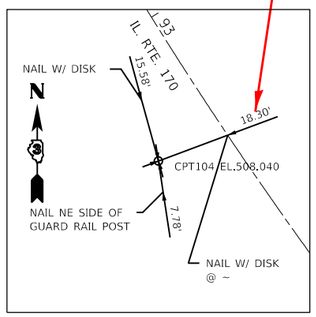
CONTROL POINT #102

SET 18" #5 REBAR WITH CAP
(NO ID)
STA. 72+06.67, 58.87' RT.
N 88040.6490
E 58447.6140
ELEV. 511.395



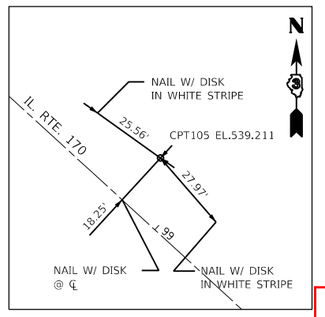
CONTROL POINT #103

SET 18" #5 REBAR WITH CAP
(NO ID)
STA. 19+43.82, 19.59' RT.
N 86410.0370
E 58571.5320
ELEV. 500.795



CONTROL POINT #104

SET 18" #5 REBAR WITH CAP
(NO ID)
STA. 93+13.24, 34.59' RT.
N 85951.8630
E 58776.9420
ELEV. 508.040



CONTROL POINT #105

SET 18" #5 REBAR WITH CAP
(NO ID)
STA. 98+63.13, 18.74' LT.
N 85580.7240
E 59191.9150
ELEV. 539.211

Rdwy_title240 (font Swiss_Bold_ Condensed, 0.020")

BENCHMARK P–141

ELEV. 508.79

BRASS DISK FOUND IN N/S CORNER OF CONCRETE FOUNDATION FOR WATER TOWER (REMOVED) SOUTH OF E. ARMOUR ST. 0.7' EAST OF ASPHALT ALLEY EAST EDGE

BENCHMARK "A"

ELEV. 508.50

CHISELED "X" AT NORTH EAST SIDE OF MANHOLE RIM. NW INTERSECTION OF SOUTH ST. AND MAIN ST. ±22' SOUTH SOUTHWEST OF CONTROL POINT #100

BENCHMARK "B"

ELEV. 506.62

" □" CUT ON WEST SIDE CONCRETE BASE OF LIGHT POLE. FIRST POLE NORTH OF SOUTH ENTRANCE TO SCHOOL PARKING LOT

BENCHMARK "C"

ELEV. 499.64

" □" CUT ON SOUTHWEST CORNER OF HEADWALL. NORTH SIDE OF DUPONT RD. ±150' WEST OF S. MAIN ST. (IL RTE. 170)

Rdwy_text120 (font FDOT Vert, 0.010")

USER NAME = IDOT Example Roadway Plans	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/14/2019	DATE -	REVISED -	

ALIGNMENT & TIES

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
786	(109) BR	LASALLE	351	24
		CONTRACT NO. 66607		
	ILLINOIS FED. AID PROJECT			

MODEL: 15 of 50
FILE NAME: IDOT Example Roadway Plans.dgn

Plan and Profile Views

1. Provide the mainline plan and profile sheets first, followed by other plan and profile sheets as they appear along the centerline.
2. Plot existing and proposed facilities using proper levels. See the Computer Aided Design, Drafting, Modeling and Deliverables Manual.
3. Keep all notes brief, clear, and consistent.
4. Label sheet with applicable stations.

See Chapter 63 of the BDE Manual for additional information on what is shown on the plan/profile sheets.

PLAN VIEW CHECK SHEET

5. Show mainline stationing increasing from left to right. Note where the centerline line is not coincident with the survey line.
6. Provide tic marks along the centerline at 100 ft (50 m) intervals and note the station.
7. Use matchlines on sheet. Provide the correct district North arrow on each sheet.
8. On projects where a coordinate system has been set up, show the coordinates for all control points.
9. For rural facilities, use a plan view scale of 1 in = 50 ft (1:500 metric). For urban facilities, use a plan view scale of 1 in = 20 ft (1:250 metric).
10. For all control points along the centerline, provide a 0.1 in (2.5 mm) diameter circle on the centerline.
11. Place the horizontal curve data on the inside of the curve to which it applies. Present the curve data in accordance with the format and accuracy presented in Figure 63-4D of the BDE Manual.
12. Include the pavement edge elevations and superelevation rates for superelevated sections.
13. Show perpendicular lines from the centerline to the inside of the curve at all curve control points. Indicate the curve control point and station.
14. Where deflection angles are used, show the angle to nearest second of a degree. Include coordinates, if available.
15. Note all pavement widths at the beginning and end of each sheet and wherever there is a change in pavement width.
16. Show existing and proposed structures.
17. Ensure station call outs are provided at:
    beginning and end points of the project,
    matchlines with other projects,
    omissions from paving and station equations,
    100 ft (50 m) station increments,
    horizontal curve points,
    beginning and ending points of tapers,
    construction limit locations,
    right-of-way alignment breaks,
    curb returns for entrances and intersections,
    entrance centerlines,
    special construction applications,
    side street intersections,
    permanent survey and right-of-way markers,
    section lines, and
    other necessary locations.
18. In general, do not show utility and drainage information on the plan and profile sheets, just show topography features. Provide other information on the drainage plan and profile sheets.
    If plans do not contain drainage sheets, show Level A SUE test hole information on the plan and profile sheets.
19. If separate right-of-way sheets are included with the plans, show the existing and proposed right-of-way limits on the plans. If the right-of-way plans are not included with the plans, also incorporate the following:
dimensions of the properties to be acquired,
station ties to property lines,
property ownership lines,
parcel numbers,
property owner names,
station locations of right-of-way alignment breaks,
temporary and permanent easement locations,
points where the control of access does not coincide with the right-of-way line,
location of right-of-way markers, and
any pertinent data that will affect right-of-way costs.
20. Show all approved points of entry or exits across control of access lines.
21. Show the locations for all new and existing guardrail installations.
22. For entrances and side road intersections, show the following:
the facility with the applicable street name, route number, or entrance type;
the existing surface material type;
the width of the intersecting facility;
for intersections with public roads, the angle of intersection from the side road centerline to the mainline centerline; and
direction of ditch drainage.
23. Properly label all additional constructed improvements.

PLAN: DATE | BY | SURVEYED | PLOTTED | ALIGNMENT CHECKED | RT. OF WAY CHECKED | CADD FILE NAME | NOTE BOOK | NO.

PROFILE: DATE | BY | SURVEYED | PLOTTED | GRADES CHECKED | B.M. NOTED | STRUCTURE NOTATNS CHKD | NOTE BOOK | NO.

Place description of sheet here

Provide the applicable stations here

Information is same as cover sheet

USER NAME = IDOT Example Roadway Plans	DESIGNED -	REVISED -	**STATE OF ILLINOIS**
	DRAWN -	REVISED -	**DEPARTMENT OF TRANSPORTATION**
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/14/2019	DATE -	REVISED -	

SCALE: _____ | SHEET __ OF __ SHEETS | STA. _____ | TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.

CONTRACT NO. _____

ILLINOIS | FED. AID PROJECT

MODEL: 1 of 50
FILE NAME: IDOT_Example_Roadway_Plans.dgn

Plan and Profile Views (continued)

Additional items the District is looking for on the plans sheets are:
- ADA compliance
- Locations of any traffic counter loops
- Locations of asbestos removal
- Locations of septic tank or well abandonment
- Locations of underground storage tanks
- Locations of protected areas such as wetlands, hazardous waste, or property owner commitments

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NOTATIONS CHKD, NOTE BOOK, NO., BY, DATE

PLAN VIEW CHECK SHEET

24. Show the profile of the finished surface or top of the subgrade along the centerline for the proposed facility.
25. Use the same horizontal scale as shown for the plan view. The vertical scale is typically 1 in = 5 ft (1:50 metric) or 1 in = 10 ft (1:100 metric).
26. Show the existing ground line to the nearest 0.1 ft (30 mm) and existing pavement surfaces to the nearest 0.01 ft (5 mm).
27. Show the vertical curve data above the profile line for crest curves and below the profile line for sag curves. Include the following vertical data for each curve:
small triangle at the VPI,
small circles (0.1 in (2.5 mm) diameter) at all other vertical curve control points,
the VPI station, including short segments of vertical tangents,
the vertical curve length,
the elevation at the VPI, and
the "M"distance between the VPI and roadway surface.
28. Show tangent grades to the nearest hundredth of a percent (i.e., 0.01%). Use a "+" prefix for positive grades and "-" prefix for negative grades.
29. Show the benchmark information on the top portion of the profile view.
30. Show the elevations for the survey line and proposed centerline vertically every 100 ft (25 m) for rural projects and every 50 ft (10 m) for urban projects. For vertical curves, use a closer interval.
The survey elevation is shown to the left of the station ordinate line and proposed centerline elevation to the right.
31. Provide additional profiles, where necessary, for:
pavement edges,
drainage structures,
special ditches,
side roads, and
other situations.
32. Show locations of all undercutting for unsuitable materials with cross hatching and show this excavation to the top of subgrade. Note the applicable stations and depth of excavation on the profile sheet.
33. For bridges within the project, show elevations for:
abutments,
piers,
low vertical clearance points,
the high water level, and
stream bed.

Benchmark information locations

Provide elevations to show scale of profile

Place existing elevation here

Place proposed elevation here

Information is same as cover sheet

Place station here

MODEL: 1 of 50
FILE NAME: IDOT_Example_Roadway_Plans.dgn

USER NAME = IDOT Example Roadway Plans	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - _____	REVISED - _____	
PLOT SCALE = 40.0000 ' / in.	CHECKED - _____	REVISED - _____	
PLOT DATE = 8/14/2019	DATE - _____	REVISED - _____	

SCALE: _____ | SHEET __ OF __ SHEETS | STA. _____ | TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
___	_____	_____	___	___
		CONTRACT NO. _____		
	ILLINOIS FED. AID PROJECT			

SCALE IN FEET 0 20 40 60

Rdwy_title240 (font Swiss_Bold_ Condensed, 0.020")

PAVEMENT REMOVAL LEGEND

PAVEMENT REMOVAL

REMOVAL OF EXISTING STRUCTURES STA 260+04.5 TO STA 260+41.5

NOTE A:
ALL TREES WITHIN CONSTRUCTION LIMITS ARE TO BE REMOVED UNLESS DESIGNATED WITH A CIRCLE ON THE PLAN SHEET AND NOTED IN THE TREE TRUNK PROTECTION SCHEDULE.

Rdwy_text120 (font FDOT Vert, 0.010")

PR PAVEMENT WIDENING TO BE CONST. AS HMA SURF CSE, 1½" ON HMA BASE CSE, 11¾" ON 4" SUBBASE GRN MTL, TY A

STA 260+23 (0° SKEW)
PR TRIPLE 11'X9'X100' BOX CULVERT (PRECAST W/CAST-IN-PLACE HDWLS.)
PR SN 050-2043, SEE STRUCTURE PLANS
EX BRIDGE (SN 050-0067) TBR

PR HMA SURFACE REM, ¾"
PR LVL BINDER, ¾"
PR HMA SURFACE CSE, 1½"
SEE MIX TABLE & SCHEDULE FOR DETAILS

PR HMA SURFACE CSE, 1½" ON HMA BIND CSE, 11¾" ON 4" SUBBASE GRANULAR MTL, TY A

EXIST. R.O.W.

PR STONE DUMPED RIPRAP CL A4 W/ FILTER FABRIC & 6" BEDDING MATERIAL

℄ IL 71 STA 257+45.00
℄ E. 22nd RD STA 10+00.00

LIMITS OF CONSTRUCTION

AERIAL POWER LINE

REMOVE EX PAVED DITCH

PR SPBGR TY A & TY 1 (SP) TERM SECTIONS SEE SCHEDULE FOR DETAILS

BEGIN PROJECT
PR BUTT JOINT
STA 255+74

PR 3' HMA SHLD

PR 5' AGG SHLD

PR 8' HMA SHLD

ILLINOIS ROUTE 71

STA 259+73
END MILLING/RESURFACING
BEGIN RECONSTRUCTION

STA 260+72
END RECONSTRUCTION
BEGIN MILLING/RESURFACING
L261
N 63° 20' 10" E

MATCHLINE STA 261+40

30' RAMP

REMOVE EX CULVERT
TR 366 STA 9+46.81 TO STA 9+60.64
PR PAVEMENT REMOVAL AND PATCH
SEE SCHEDULES FOR DETAILS

6' HMA SHOULDER

REMOVE EX PAVED DITCH

REMOVE EX SPBGR

STA 9+51.85 (TR 366)
PR 36" RCCP W/ PRCFES & GRATING
61.52 LT USFL=609.63; 42.77 RT DSFL=608.59

EXIST. R.O.W.

40' R - 100' R
8' OFFSET

50' R - 500' R
11' OFFSET

+70.22 RT

AERIAL POWER LINE

REMOVE EX FENCE

PT Sta 9+21.92

EXIST. R.O.W. LINE

IL 71/TR 366 INTERSECTION LAYOUT

PT	STA	OFFSET	ELEV
A	IL 71 STA 256+81.18	11' RT	617.266
B	IL 71 STA 257+19.13 TR 366 STA 9+58.59	38.35' FT 23.45' LT	616.339
C	TR 366 STA 9+06.59	10' LT	616.361
D	TR 366 STA 9+40.00	12.15' RT	616.323
E	TR 366 STA 9+79.43 IL 71 STA 257+86.8	42.53' RT 23.22' RT	616.376
F	IL 71 STA 258+96.68	11' RT	617.415

Rdwy_schedule120 (font FDOT Vert Mono, 0.010")

CURVE TR366-1

4' HMA SHLDR

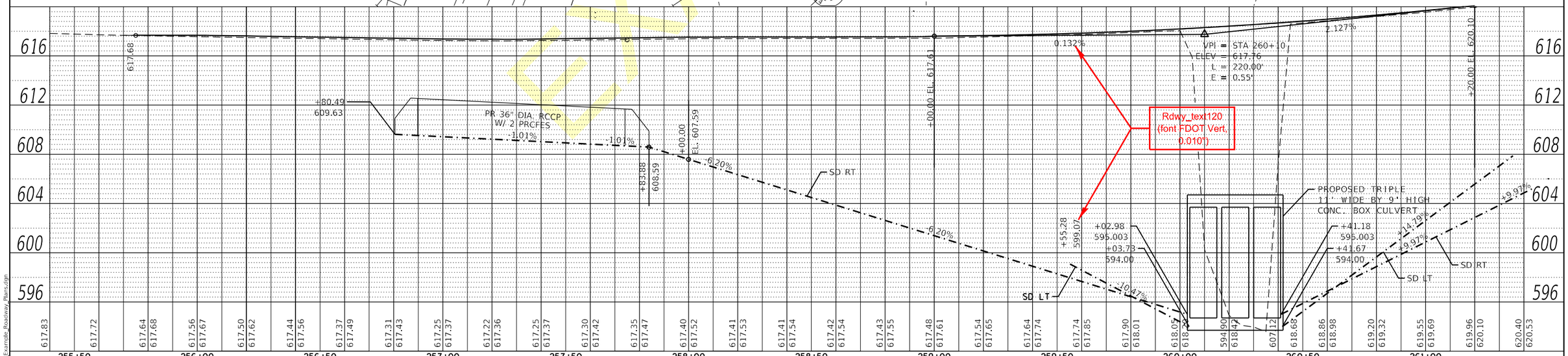
BEGIN PROJECT (TR 366)
PR BUTT JOINT
STA 8+79

BURIED 6"∅ HP GAS LINE

LIMITS OF CONSTRUCTION

PR STONE DUMPED RIPRAP CL A4 W/ FILTER FABRIC & 6" BEDDING MATERIAL

Rdwy_text175 (font FDOT Vert, 0.0146")



USER NAME = IDOT Example Roadway Plans	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/14/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL. 71 PLAN & PROFILE

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	5 BR-1	LASALLE	32	12
		CONTRACT NO. 6449		
	ILLINOIS FED. AID PROJECT			

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., DATE, BY

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, BM. NOTED, STRUCTURE NOTATNS CHKED, NOTE BOOK, NO., DATE, BY

MODEL: 10 of 50
FILE NAME: IDOT_Example_Roadway_Plans.dgn

Rdwy_text120 (font FDOT Vert, 0.010")

Rdwy_text120 (font FDOT Vert, 0.010")

Rdwy_text175 (font FDOT Vert, 0.0146")

Rdwy_text175 (font FDOT Vert, 0.0146")

MATCH LINE STA. 1028+00

MATCH LINE STA. 1034+00

U.S. RTE. 6

CENTRAL ST.

BLACKSTONE ST.

ALLEY

BIT/CONC

RETAINING WALL SEE DETAILS TRANSITION TO BACK OF B6-12 C&G AS DIRECTED BY THE ENGINEER

TRANSITION C & G FROM 2' GUTTER TO 1' GUTTER STA. 1030+09.7, 28.9' LT

DETECTABLE WARNINGS (TYP.) SEE PLAN DETAIL, STANDARD & SPECIAL PROVISIONS

SEE COMMITMENT

EXISTING R.O.W. LINE

1028+63.00 T.E. = 59.00' LT

1028+88.00 T.E. = 59.00' LT

1029+45.00 T.E. = 62.00' LT

1029+68.43 T.E. = 62.00' LT

1029+45.00 T.E. = 40.27' LT

1029+73.00 T.E. = 62.00' LT

1029+73.00 T.E. = 40.57' LT

1028+63.00 T.E. = 39.43' LT

1028+88.00 T.E. = 39.67' LT

1029+28.43 40.12' LT

1030+08.43 40.95' LT

1029+68.43 T.E. = 40.52' LT

1030+24.43 41.11' LT

1031+47.18 42.46' LT

1032+65.00 T.E. = 54.50' LT

1032+65.00 T.E. = 43.76' LT

1033+00.00 T.E. = 55.70' LT

1033+00.00 T.E. = 44.14' LT

1028+48.96 T.E. = 45.76' RT

1028+48.93 40.76' RT

1029+28.96 T.E. = 44.90' RT

1029+28.93 39.90' RT

1030+08.95 T.E. = 44.05' RT

1030+08.92 39.05' RT

1030+17.92 38.96' RT

1031+38.88 37.61' RT

HOUSE

SIDEWALK 7' WIDE (TYP)

20' RAD (TYP)

TBT TY 1 SP (TAN)

TBT TY 1 SP (FLARED)

WOOD FENCE

PLANTER

GUARDPOSTS

GARAGE

COMM BLDG

LIFT STA

DRIVEWAY GRADES SHALL BE CONSTRUCTED TO MATCH EXISTING & PROPOSED CONDITIONS

PCC SIDEWALK SIDEWALK 6" SPECIAL ESTIMATED LOCATION WALL HEIGHTH AND LENGTH TO BE DETERMINED IN THE FIELD

CONCRETE CURB TYPE B (USE TY B6)

SCALE IN FEET

BENCHMARK #9:
NAIL IN POWER POLE
19.1' LT. STA. 1028+60
ELEV. 531.78

BENCHMARK #10:
NAIL IN POWER POLE
20.1' RT. STA. 1031+94
ELEV. 513.01

VPI STA. 1029+14.19
ELEVATION 528.69

0.50%

5.94%

250.00' V.C.

+39.19 EL. 521.26

+80.61 EL. 506.01

VPI STA. 1034+00.61
ELEVATION 499.78

530 525 520 515 510 505 500 495 490

534.23 529.25 | 532.79 529.0 | 531.36 528.61 | 530.09 528.09 | 528.82 527.43 | 527.53 526.63 | 526.24 525.70 | 524.80 524.63 | 523.35 523.43 | 521.93 522.09 | 520.51 520.63 | 519.06 519.14 | 517.62 517.65 | 516.08 516.17 | 514.54 514.68 | 513.04 513.19 | 511.53 511.70 | 510.05 510.22 | 508.56 508.73 | 507.10 507.24 | 505.63 505.79 | 504.35 504.45 | 503.06 503.23 | 502.01 502.10 | 500.96 501.10

1028+00 1028+50 1029+00 1029+50 1030+00 1030+50 1031+00 1031+50 1032+00 1032+50 1033+00 1033+50 1034+00

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CAD FILE NAME, NOTE BOOK, NO.

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NOTATNS CHKD, NOTE BOOK, NO.

BY, DATE

MODEL: 19 of 50
FILE NAME: IDOT_Example_Roadway_Plans.dgn

USER NAME = IDOT Example Roadway Plans	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/14/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(34)R, DM & (X-1)RS & BR	LASALLE	126	21
		CONTRACT NO. 66617		
	ILLINOIS FED. AID PROJECT			

LEGEND

REM - TO BE REMOVED
TBA - TO BE ADJUSTED
REL - TO BE RELOCATED
- TREE TO BE REMOVED
- PAVEMENT REMOVAL AND REPLACEMENT
- CITY PARTICIPATION SIDEWALK REM. AND REPLACEMENT
- MILL AND OVERLAY
- BUTT JOINT - SEE DETAILS

STA. 1941+69.38 ~ (IL. RTE. 115) =
STA. 50+00.00 ~ (MAIN ST.)

STA. 1944+29.49 ~ (IL. RTE. 115) =
STA. 60+00.00 ~ (PEORIA ST.)

SITE	LOCATION
3A	1940+56, 27' RT.
3B	1941+20, 23' RT.
3C	1941+39, 79' RT.
4A	1940+07, 40' LT.
4B	1940+28, 22' LT.

PLUG EXISTING STORM SEWER

STA. 1943+07.78, 20.18' RT
MH CLOSED LID
RIM=673.35
I.E.S.=669.20
I.E.=669.40
TO BE REMOVED

STA. 1943+15.88, 28.30' LT
MH 7206
RIM=672.87
I.E.N.=670.27
I.E.S.=669.57
I.E.SW.=667.97
I.E.W.=669.17

PLUG EXISTING STORM SEWER

STORM SEWER REMOVAL 8"

STA. 1943+39.57, 23.41' LT
INLET
RIM=671.88
I.E.N.=669.53
TO BE REMOVED

EXISTING FIELD TILE REMOVAL = 73 FOOT

STA. 1939+28.81, 23.1' RT INLET
RIM=669.83
I.E.=667.83
TO BE REMOVED

STORM SEWER REMOVAL 6"

STA. 1941+48.46, 18.00' RT
INLET
RIM=671.07
I.E.S.=668.27
TO BE REMOVED

STORM SEWER REMOVAL 8"

STA. 1943+39.88, 21.58' RT
INLET
RIM=671.81
I.E.N.=669.46
TO BE REMOVED

PAY PHONE ON CONC. PAD VETERANS MEMORIAL

STA. 1943+97.87, 34.07' RT
INLET
RIM=
INV.=

STA. 1944+49.26, 22.71' RT
INLET
RIM=672.99
I.E.N.=670.49
TO BE REMOVED
PLUG EXISTING STORM SEWER

BM #5
STA. 1942+02.13, 21.35' RT
INLET CLOSED LID
RIM=670.71
I.E.N.=667.51
I.E.S.=667.21
TO BE REMOVED

CONTAMINATION SITE
EXCAVATION NOT TO EXCEED 3 FT. UNLESS APPROVED BY ENGINEER REPRESENTED BY:
EXCAVATION NOT TO EXCEED 6 FT. UNLESS APPROVED BY ENGINEER REPRESENTED BY:
EXCAVATION NOT TO EXCEED 9 FT. UNLESS APPROVED BY ENGINEER REPRESENTED BY:

BENCHMARK # 5:
STA. 1942+60, 30' RT.
SE BOLT, CONCRETE BASE OF R.R. SIGNAL
ELEV. 673.78

MILL AND OVERLAY | RAILROAD OMISSION | MILL AND OVERLAY

VPT STA. 1940+44.00 EL. 671.31
VPI STA. 1942+10.00
VPI EL. 672.26
VPC STA. 1941+15.00 EL. 671.82
VPT STA. 1941+65.00 EL. 672.09

Rdwy_text120 (font FDOT Vert 0.010")

VPI = STA. 1939+67
ELEV = 670.76
L = 154.00'
E = +0.08'

VPI = STA. 1941+40
ELEV = 672.00
L = 50.00'
E = -0.02'

+0.72%
+0.36%

TEST HOLE #12 ELEV.= 667.72
TEST HOLE #53 ELEV.= 667.24
TEST HOLE #11 ELEV.= 666.69
TEST HOLE #10 ELEV.= 667.62

1939+00	1939+50	1940+00	1940+50	1941+00	1941+50	1942+00	1942+50	1943+00	1943+50	1944+00	1944+50	1945+00
670.18 / 670.55	670.29 / 670.65	670.47 / 670.75	670.61 / 670.88	670.76 / 671.02	670.92 / 671.18	671.12 / 671.35	671.31 / 671.53	671.46 / 671.71	671.62 / 671.89	671.79 / 672.03	671.95 / 672.13	672.13 / 672.22	672.46 / 672.46	672.88 / 672.88	673.13 / 673.13	673.19 / 673.19	673.31 / 673.31	673.36 / 673.36	673.34 / 673.34	673.39 / 673.39	673.55 / 673.55	673.72 / 673.72	674.01 / 674.01	674.24 / 674.24

680 675 670 665 660 655 650

LEGEND
SPECIAL DITCH, RT.
SPECIAL DITCH, LT.

USER NAME = IDOT Example Roadway Plans	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/14/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
796	106RS-2	FORD	237	25
		CONTRACT NO. 66260		
		ILLINOIS	FED. AID PROJECT	

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE
PROFILE: SURVEYED, PLOTTED, GRADE CHECKED, B.M. NOTED, STRUCTURE NOTATIONS CHKD, BY, DATE

MODEL: 20 of 50
FILE NAME: IDOT_Example_Roadway_Plans.dgn

Suggested Stages of Construction and Traffic Control

Determine which IDOT Highway Standards are applicable for the traffic control on the project.

Where necessary, provide plan view sheets showing:
- temporary roadway horizontal alignment,
- temporary pavement widths,
- temporary traffic lanes,
- proposed construction staging,
- temporary traffic signals,
- location of signing for work zones,
- temporary pavement markings,
- roadside safety layouts, and
- general notes for construction, closures, time frames, etc.

Where necessary, provide the temporary roadway profile grade line on the profile sheet.

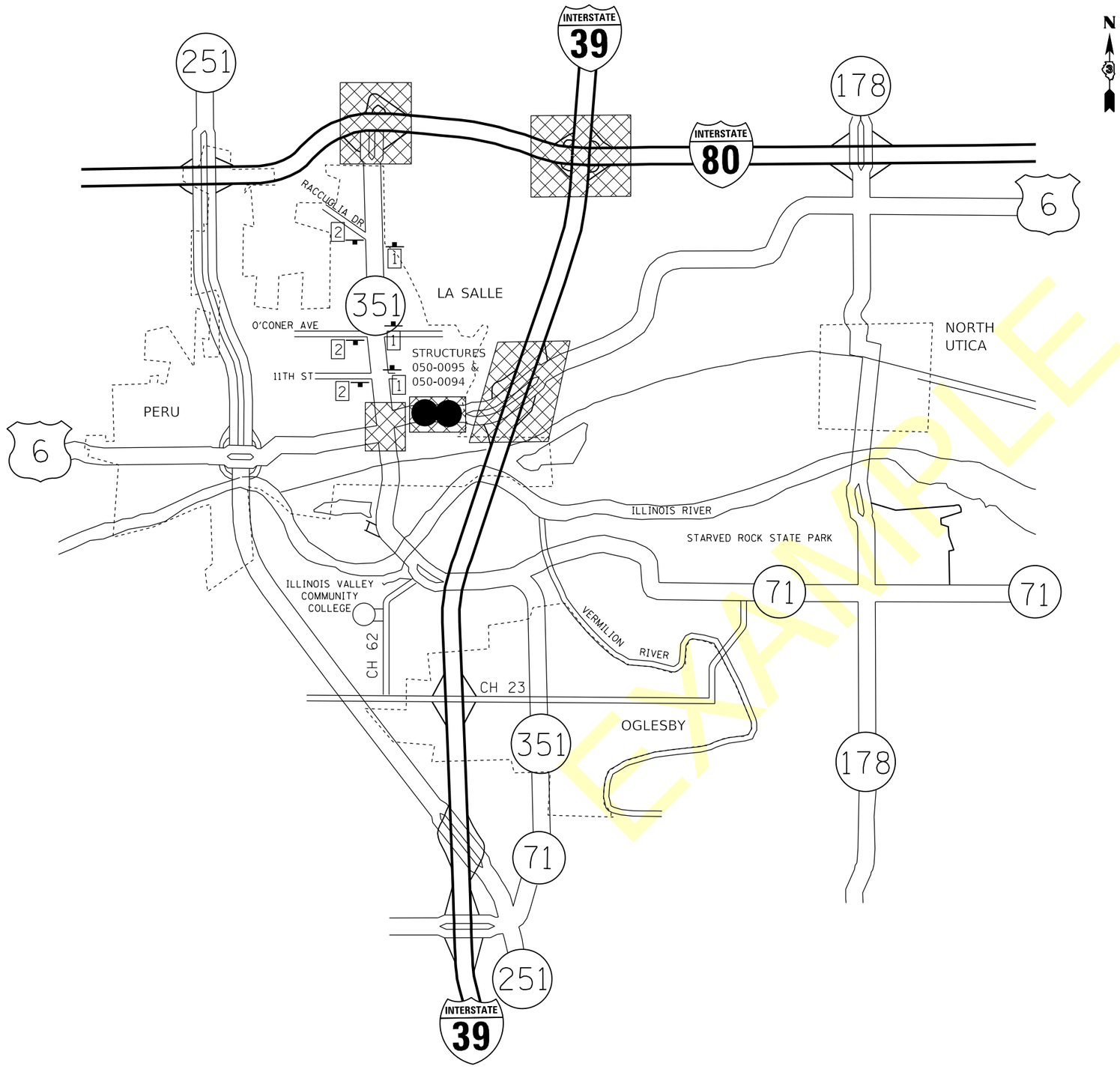
The following is a list of items that will be used during the plan review process. It contains District preferences to be considered during the plan preparation process for Traffic Control/Staging plans.

Include temporary
- Lighting
- Signals
- Bridge Rail
- Concrete Barriers
- Guardrail Earthwork
- Pavement Widening
- Sheet Piling
- Attenuators
- Rumble Strips (for mainline interstate, multilane, and high accident locations)

Check for adequate lane widths.
Check construction access for entrances, side roads, and streets.
Check that there is adequate work space for contractor operations and access to work areas.
Check interstate jobs for possible shoulder reconstruction or bridge deck repair.
Use Material Transfer Device on Interstate projects.
Paint yellow pavement marking line on concrete barrier (District Cadd detail) (use discretion - Highway Standards 701402 and 701416).
Check project report for approved methods for traffic control and any staging, detour, or alternate route requirements.
Check project report for any local agreements, including local road repairs after detour or alternate route completion.
Check existing shoulder conditions for possible shoulder widening requirements for bridge repair or replacement projects.
Check taper lengths for adjacent construction areas, is there adequate space between or do they need to be combined.
Evaluate temporary lighting needs for interstate crossovers and ramps to see if existing lighting already meets requirements.
Use District detail, 701400 Special, instead of Standard 701400.
Consider coordinating multiple temporary traffic signals with timing or interconnect cable.

Place description of sheet here

Information is same as cover sheet



NOTES

PRIOR TO INSTALLING POST MOUNTED SIGNS, THE CONTRACTOR SHALL CONTACT J.U.L.I.E.

IDOT WILL SUPPLY 32 M1-4, "US 6," SIGNS FROM DISTRICT 3 BUREAU OF OPERATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ERECTION, MAINTENANCE, AND REMOVAL OF IDOT-SUPPLIED SIGNS. ALL OTHER SIGNAGE SHALL BE SUPPLIED BY THE CONTRACTOR.

ANY IDOT SIGN THAT IS COVERED OR CHANGED SHALL BE DONE IN A MANNER WHICH DOES NOT DAMAGE ANY SIGNS OR POSTS. ANY SIGN OR POST WHICH THE ENGINEER DETERMINES HAS BEEN DAMAGED BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S OWN EXPENSE.

THE DETOUR IS REQUIRED TO REMAIN IN PLACE UNTIL THE WORK NECESSARY TO REMOVE STRUCTURE 050-0095 AND RECONSTRUCT US ROUTE 6 HAS BEEN COMPLETED EXCEPT FOR THE FINAL SURFACE COURSE LIFT.

SEE STAGE CONSTRUCTION SHEETS FOR ADDITIONAL ROAD CLOSURE SIGNING.

SEE STANDARDS 701801 AND 702001 FOR ADDITIONAL INFORMATION.

Rdwy_text120 (font FDOT Vert, 0.010"

Rdwy_title240 (font Swiss_Bold Condensed, 0.020"

LEGEND (THIS SHEET)

	SEE OTHER PLAN SHEETS FOR MORE DETAILS
1	DETOUR M4-8(FO) 24"X12" EAST M3-2 24"X12" 6 M1-4 24"X24"
2	DETOUR M4-8(FO) 24"X12" WEST M3-4 24"X12" 6 M1-4 24"X24"

NOT TO SCALE

USER NAME = IDOT Example Roadway Plans	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/14/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROAD CLOSURE AND DETOUR
TRAFFIC CONTROL PLAN SN 050-0095

SCALE: | SHEET 1 OF 7 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(34)R, DM & (X-1)RS & BR	LASALLE	126	30
		CONTRACT NO. 66617		
	ILLINOIS FED. AID PROJECT			

MODEL: 22 of 50
FILE NAME: IDOT_Example Roadway Plans.dgn

Rdwy_text120 (font FDOT Vert, 0.010")

NOTES:
PRIOR TO INSTALLING POST MOUNTED SIGNS, THE CONTRACTOR SHALL CONTACT J.U.L.I.E.

A TRUCK DETOUR IS REQUIRED DURING STAGE II CONSTRUCTION.

PROPOSED GUARDRAIL ON THE SOUTH SIDE OF THE STRUCTURE SHALL BE INSTALLED PRIOR TO STAGE III. PROPOSED GUARDRAIL ON THE NORTH SIDE OF THE STRUCTURE SHALL BE INSTALLED DURING STAGE III.

THE SURFACE COURSE SHALL BE PLACED AFTER STAGE III CONSTRUCTION.

SEE STANDARDS 701321 AND 702001 AND STRUCTURE DETAILS FOR ADDITIONAL INFORMATION.

* SIGNS INCLUDED IN COST OF TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR.

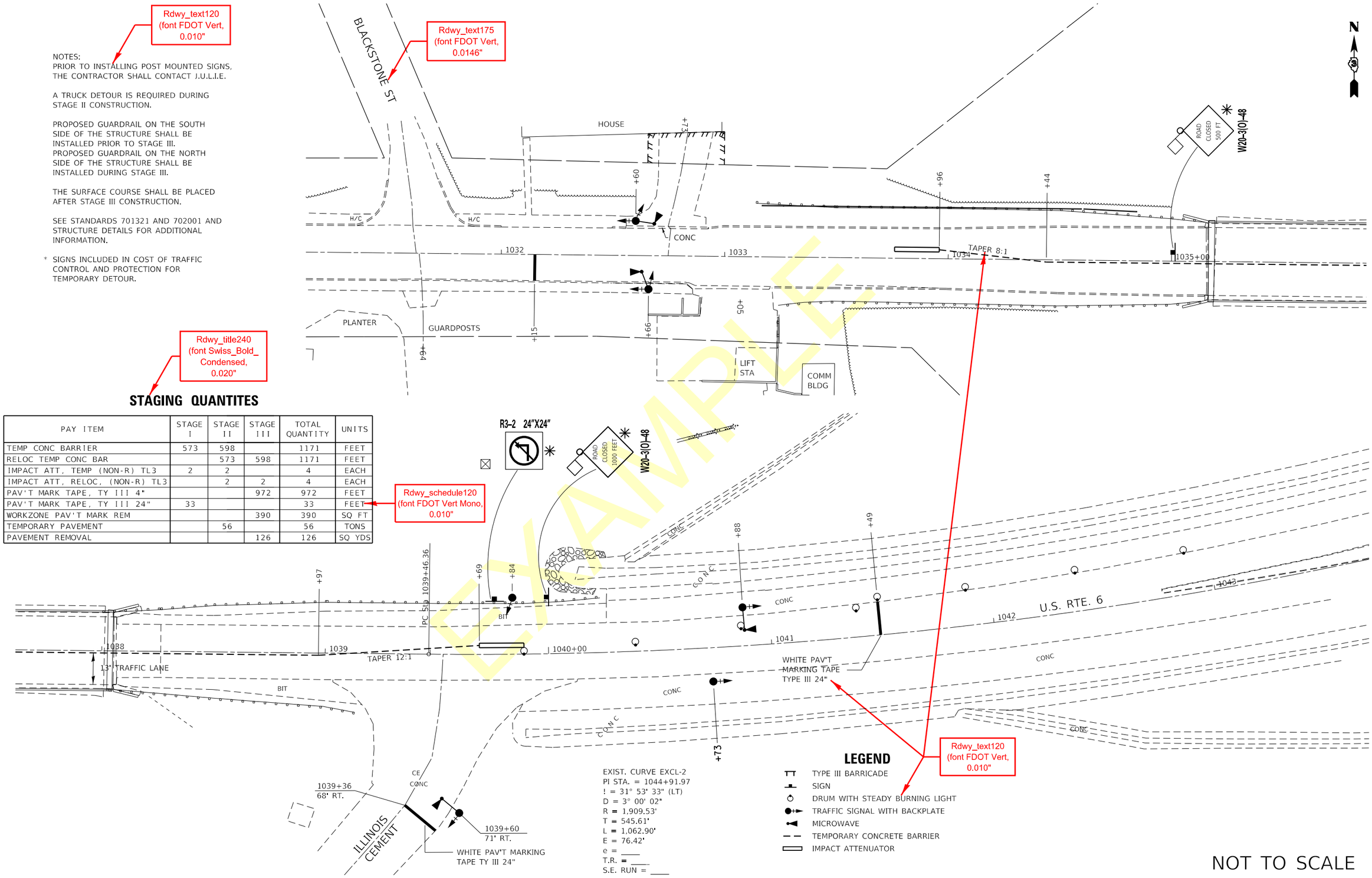
Rdwy_text175 (font FDOT Vert, 0.0146")

Rdwy_title240 (font Swiss_Bold_ Condensed, 0.020")

STAGING QUANTITES

PAY ITEM	STAGE I	STAGE II	STAGE III	TOTAL QUANTITY	UNITS
TEMP CONC BARRIER	573	598		1171	FEET
RELOC TEMP CONC BAR		573	598	1171	FEET
IMPACT ATT, TEMP (NON-R) TL3	2	2		4	EACH
IMPACT ATT, RELOC, (NON-R) TL3		2	2	4	EACH
PAV'T MARK TAPE, TY III 4"			972	972	FEET
PAV'T MARK TAPE, TY III 24"	33			33	FEET
WORKZONE PAV'T MARK REM			390	390	SQ FT
TEMPORARY PAVEMENT		56		56	TONS
PAVEMENT REMOVAL			126	126	SQ YDS

Rdwy_schedule120 (font FDOT Vert Mono, 0.010")



EXAMPLE

EXIST. CURVE EXCL-2
PI STA. = 1044+91.97
! = 31° 53' 33" (LT)
D = 3° 00' 02"
R = 1,909.53'
T = 545.61'
L = 1,062.90'
E = 76.42'
e = ____
T.R. = ____
S.E. RUN = ____

LEGEND

- TYPE III BARRICADE
- SIGN
- DRUM WITH STEADY BURNING LIGHT
- TRAFFIC SIGNAL WITH BACKPLATE
- MICROWAVE
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATOR

Rdwy_text120 (font FDOT Vert, 0.010")

NOT TO SCALE

USER NAME = IDOT Example Roadway Plans	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/14/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION TRAFFIC CONTROL SN 050-0094
STAGE I

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(34)R, DM & (X-1)RS & BR	LASALLE	126	137
		CONTRACT NO. 66617		
		ILLINOIS	FED. AID PROJECT	

MODEL: 23 of 50
FILE NAME: IDOT Example Roadway Plans.dgn

Erosion and Sediment Control Details

Determine which *IDOT Highway Standards* are applicable for erosion and sediment control on the project.

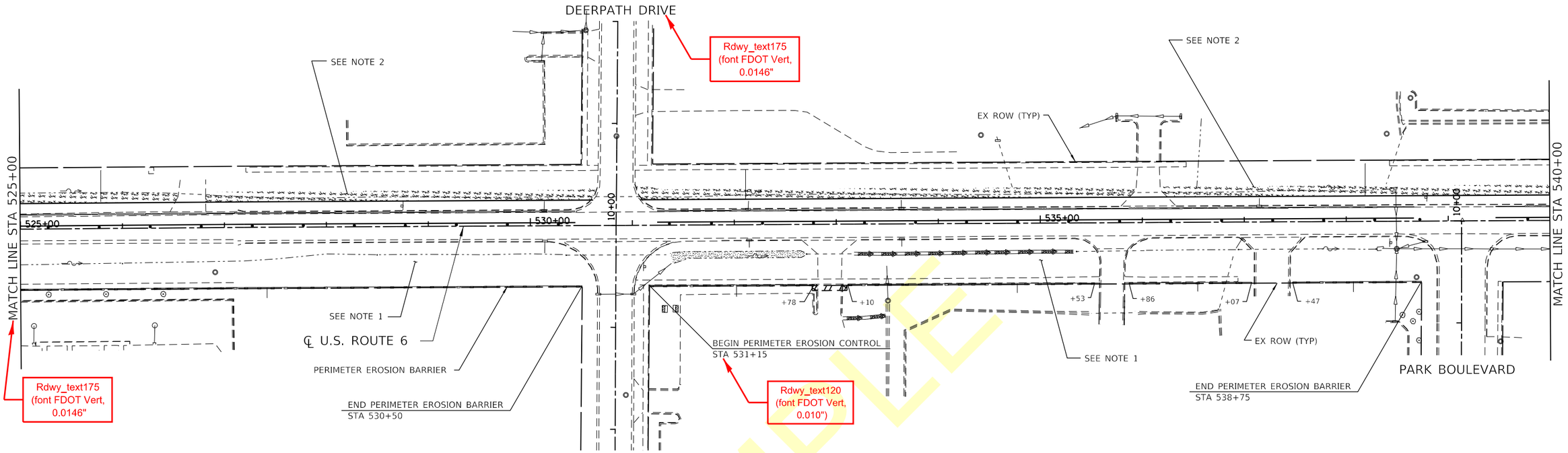
Where necessary, provide any commitments or General Notes that relate to erosion and sediment control.

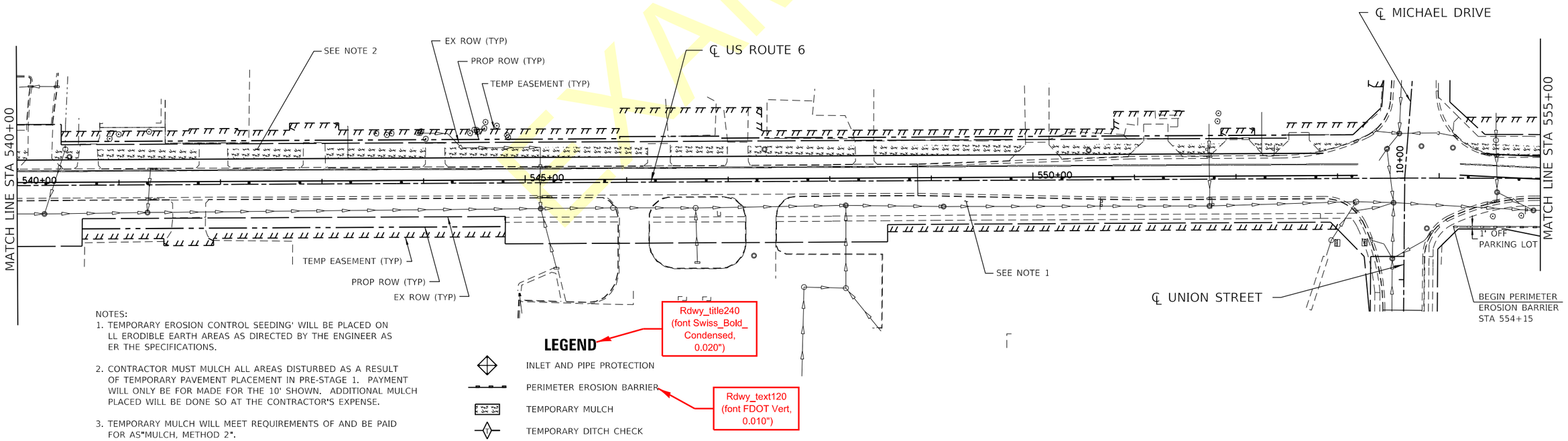
Where necessary, provide plan view sheets showing:
- proposed construction staging,
- location and protection of environmentally sensitive areas,
- location of erosion and sediment control items, and
- general notes for construction, pay items, etc.

Use double plan sheets as appropriate.

Place TYPICAL SECTIONS here as description

Information is same as cover sheet





NOTES:
1. TEMPORARY EROSION CONTROL SEEDING' WILL BE PLACED ON LL ERODIBLE EARTH AREAS AS DIRECTED BY THE ENGINEER AS ER THE SPECIFICATIONS.

2. CONTRACTOR MUST MULCH ALL AREAS DISTURBED AS A RESULT OF TEMPORARY PAVEMENT PLACEMENT IN PRE-STAGE 1. PAYMENT WILL ONLY BE FOR MADE FOR THE 10' SHOWN. ADDITIONAL MULCH PLACED WILL BE DONE SO AT THE CONTRACTOR'S EXPENSE.

3. TEMPORARY MULCH WILL MEET REQUIREMENTS OF AND BE PAID FOR AS"MULCH, METHOD 2".

USER NAME = IDOT Example Roadway Plans	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/14/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN
STAGE I

SCALE: 1" = 50' | SHEET OF SHEETS | STA. 525+00 | TO STA. 555+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5953	[(G,Q)R]R(Q)R,BR,BR-1	GRUNDY	32	164
		CONTRACT NO. 66220		
	ILLINOIS FED. AID PROJECT			

MODEL: 25 of 50
FILE NAME: IDOT Example Roadway Plans.dgn

Drainage and Utilities Sheets

1. For culverts, note the following on the drainage plan view sheet:
   centerline station for the ends,
   direction and distance of the ends from the centerline,
   culvert type (do not specify pipe material),
   pipe size and length,
   flow direction,
   skew angle,
   upstream and downstream flow elevations,
   end section or headwall type and size,
   waterway table if not shown elsewhere in plans, and
   all applicable construction notes.
2. For storm drainage pipes, show the following:
   Plan View
      each run of pipe between manholes, catch basins, and inlets;
      pipe diameter and length; and
      gradient.
   Profile View
      diameter of pipe,
      type of pipe (do not specify pipe material),
      length, andgradient.
3. For manholes, catch basins, and inlets, show the following:
   Plan View
      centerline station,
      direction and distance from centerline,
      edge of pavement or ground elevation, and
      invert elevations for all pipes.
   Profile View
      centerline station,
      direction from centerline,
      device type and size,
      invert elevations for all pipes, and
      top of casting elevation.
   Note if Flat Slab Top or Restricted Depth is required.
4. For end sections, show the following:
   Plan View
      centerline station and offset,
      type, and
      size.
   Profile View
      centerline station,
      direction from centerline,
      device type and size, and
      outflow elevation at the bottom of pipe.
5. Note special ditch locations with invert elevations at 100 ft (25 m) intervals on the cross sections. On the profile view note:
   gradient percentage,
   centerline station,
   beginning and ending elevations, and
   elevations at gradient changes.
6. Show drainage direction arrows for all ditches, waterways, and streams.
7. Note all overhead utilities where they cross the centerline and the type of utility.
8. Note all underground utilities within the right-of-way limits affected by the construction with the following:
   Plan View
      centerline station,
      direction and distance from the centerline, and
      all applicable elevations.
   Profile View
      type and size.

For Waterway Table guidelines see 1-303.02 Plan Notation - Waterway Information in the IDOT Drainage Manual found at the IDOT web site

-
www.idot.illinois.gov
Doing Business
Procurements
Engineering, Architectural & Professional Services
Consultant Resources
Bridges & Structures
Hydraulics
Technical Manuals

If rock is suspected or known to be in the area, verify the rock elevations and whether rock excavation is needed or not.

When utilities have been located using a S.U.E. survey, include the test hole locations on the drainage sheets with a page reference to the test hole data sheet.

Include test hole data sheets in plans immediately following the utility sheets from S.U.E.

Check horizontal and vertical separation distances between water main, storm sewers, and sanitary sewers. See Standard Specifications for Water and Sewer Main Construction in Illinois. See District Special Provisions for specific pay items. Include necessary District CADD details.

If watermain work is required, notify District as soon as possible to allow time for obtaining required permits.

PLAN
NOTE BOOK
NO.
SURVEYED
PLOTTED
CROSS SECTIONS CHECKED
R/W AGREEMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
BY
DATE

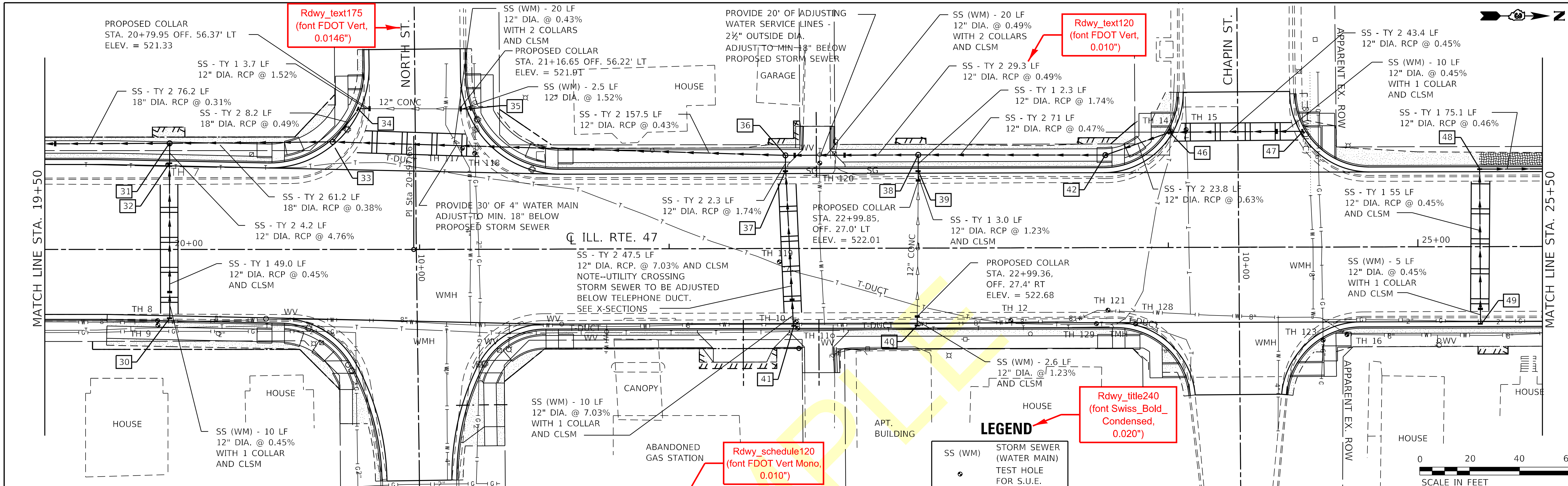
PROFILE
NOTE BOOK
NO.
SURVEYED
PLOTTED
CROSS SECTIONS CHECKED
B.M. NOTED
STRUCTURE NOTATIONS CHKD
BY
DATE

MODEL: 1 of 50
FILE NAME: IDOT_Example_Roadway_Plans.dgn

USER NAME = IDOT Example Roadway Plans	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - _____	REVISED - _____	
PLOT SCALE = 40.0000 ' / in.	CHECKED - _____	REVISED - _____	
PLOT DATE = 8/14/2019	DATE - _____	REVISED - _____	

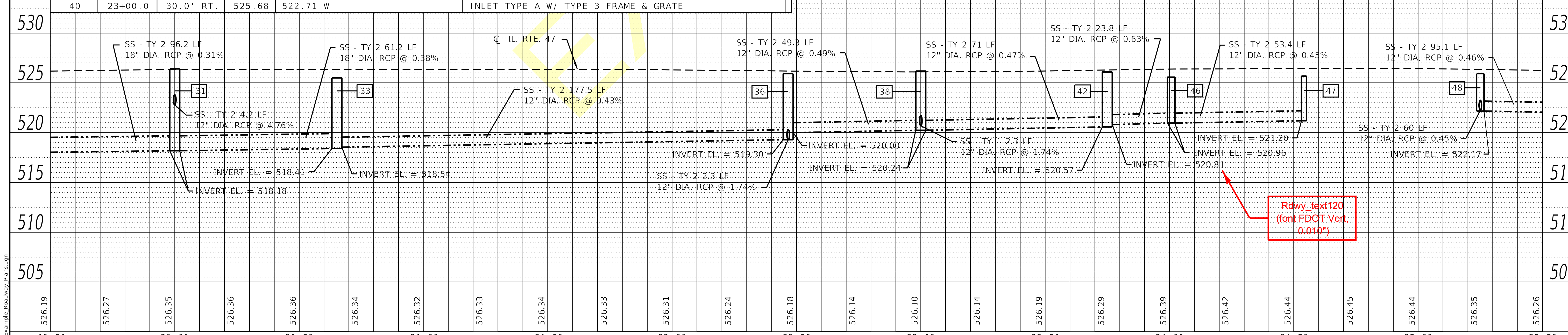
SCALE: _____ | SHEET __ OF __ SHEETS | STA. _____ | TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
___	_____	_____	___	___
		CONTRACT NO. ____		
	ILLINOIS FED. AID PROJECT			



STRUCT NUMBER	STATION	OFFSET	RIM ELEV.	INVERT ELEV.	STRUCTURE TYPE
30	20+00.0	26.5' RT.	525.90	523.37 W	INLET TYPE A W/ TYPE 3 FRAME & GRATE
31	20+00.0	42.6' LT.	526.41	518.18 N: 518.18 S; 522.80 E	MANHOLE TYPE A 4' DIA. W/ TYPE 1 FRAME CL
32	20+00.0	33.4' LT.	525.90	523.00 W; 523.10 E	INLET TYPE B W/ TYPE 3 FRAME & GRATE
33	20+65.2	43.1' LT.	525.50	518.54 N; 518.41 S; 520.29 W	MANHOLE TYPE A 4' DIA. W/ TYPE 1 FRAME CL
34	20+75.4	55.1' LT.	525.19	521.27 N; 520.33 E	INLET TYPE B W/ TYPE 3 FRAME & GRATE
35	21+20.0	56.2' LT.	525.08	521.95 S	INLET TYPE A W/ TYPE 3 FRAME & GRATE
36	22+46.7	37.3' LT.	525.94	520.00 N; 519.30 S; 519.30 E	MANHOLE TYPE A 4' DIA. W/ TYPE 1 FRAME CL
37	22+46.7	30.0' LT.	525.74	519.34 W; 519.44 E	INLET TYPE B W/ TYPE 3 FRAME & GRATE
38	23+00.0	37.3' LT.	526.18	520.24 N; 520.24 S; 520.70 E	MANHOLE TYPE A 4' DIA. W/ TYPE 1 FRAME CL
39	23+00.0	30.0' LT.	525.68	521.97 E; 520.74 W	INLET TYPE B W/ TYPE 3 FRAME & GRATE
40	23+00.0	30.0' RT.	525.68	522.71 W	INLET TYPE A W/ TYPE 3 FRAME & GRATE

STRUCT NUMBER	STATION	OFFSET	RIM ELEV.	INVERT ELEV.	STRUCTURE TYPE
41	22+50.0	30.0' RT.	525.73	523.48 W	INLET TYPE A W/ TYPE 3 FRAME & GRATE
42	23+75.0	37.0' LT.	526.09	520.81 N; 520.57 S	MANHOLE TYPE A 4' DIA. W/ TYPE 1 FRAME CL
43					
44					
45					
46	24+00.7	46.1' LT.	525.58	520.96 N; 520.96 S	INLET TYPE B W/ TYPE 3 FRAME & GRATE
47	24+54.1	46.4' LT.	525.68	521.20 S	INLET TYPE A W/ TYPE 3 FRAME & GRATE
48	25+25.0	30.0' LT.	525.93	522.17 N; 522.25 E	INLET TYPE B W/ TYPE 3 FRAME & GRATE
49	25+25.0	30.0' RT.	525.93	522.52 W	INLET TYPE A W/ TYPE 3 FRAME & GRATE
50					



USER NAME = IDOT Example Roadway Plans	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/14/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL. 47
STORM SEWER PLANS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS)W&RS2,1	GRUNDY	85	24
		CONTRACT NO. 66720		
		ILLINOIS	FED. AID PROJECT	

Rdwy_text175 (font FDOT Vert, 0.0146")

12A STA. 1022+26.4, 18.2' LT
MH-TA 5' DIA, T3 F&G
RIM ELEV = 538.43
N INV = 532.23
S INV = 531.43

12B STA. 1022+46.6, 26.1' LT
MH-TA 5' DIA, T24 F&G
RIM ELEV = 537.69
W INV = 532.40

33 STORM SEWERS CLASS A, TYPE 2 - 30" = 44 FT

11A STA. 1022+98.7, 26.1' LT
INLET TA, T3 F&G
RIM ELEV = 536.33
S INV = 532.97

34 STORM SEWERS CLASS A, TYPE 2 - 18" = 17 FT

31 STORM SEWERS CLASS A, TYPE 1 - 12" = 55 FT

10A STA. 1024+40, 19' RT
INLET TB, T3 F&G
RIM ELEV = 532.96
N INV = 529.49
S INV = 529.39

10B STA. 1024+40, 19' LT
INLET TA, T3 F&G
RIM ELEV = 532.96
S INV = 529.89

29 STORM SEWERS CLASS A, TYPE 1 - 12" = 40 FT

9A STA. 1025+50, 19' RT
INLET TB, T24 F&G
RIM ELEV = 530.41
N INV = 526.64
S INV = 526.54

9B STA. 1025+50, 19' LT
INLET TA, T3 F&G
RIM ELEV = 530.41
S INV = 527.04

26 STORM SEWERS CLASS A, TYPE 1 - 12" = 40 FT

7C STA. 1026+20, 35' LT
MH -TA 7' DIA, T1 OL
RIM ELEV = 528.00
E INV = 524.24
N INV = 524.69

19 STORM SEWERS CLASS A, TYPE 1 - 21" = 52 FT

20 STORM SEWERS CLASS A, TYPE 1 - 18" = 18 FT

17 STORM SEWERS CLASS A, TYPE 1 - 12" = 16 FT

17A STORM SEWERS CL A, TY 1 - 18" = 29 FT

17B STORM SEWERS CL A, TY 1 - 24" = 9 FT

7G STA. 1026+75.9, 38.9' LT
MH -TA 6' DIA, T1 CL
RIM ELEV = 528.65
W INV = 523.72
N INV = 525.31
S INV = 523.57

14 STORM SEWERS CLASS A, TYPE 1 - 12" = 10 FT

16 STORM SEWERS CLASS A, TYPE 2 - 54" = 86 FT

7 STA. 1026+88.4, 30' LT
MH -TA 8' DIA, T1 CL
RIM ELEV = 528.90
E INV = 517.22
W INV = 523.48
N = 519.62
S INV = 521.82

7F STA. 1027+00, 63' LT
PRC FLAR END SEC
N INV = 520.20

6 STA. 1027+80, 30' LT
MH -TA 6' DIA, T1 CL
RIM ELEV = 529.85
E INV = 516.65
W INV = 516.75
S INV = 525.08

6A STA. 1027+80, 13.6' LT
INLET TB, T3 F&G
RIM ELEV = 529.09
N INV = 525.18
S INV = 525.28

6B STA. 1027+80, 13.6' RT
INLET TA, T3 F&G
RIM ELEV = 529.09
N INV = 525.57

15 STORM SEWERS CLASS A, TYPE 1 - 12" = 29 FT

22 STORM SEWERS CLASS A, TYPE 1 - 48" = 81 FT

23 STORM SEWERS CLASS A, TYPE 1 - 12" = 21 FT 16"

24 STORM SEWERS CLASS A, TYPE 1 - 48" = 68 FT

8 STA. 1026+23.9, 30.5' RT
MH-TA 6' DIA, T1 CL
RIM ELEV = 529.90
W INV = 522.37
N INV = 522.27
S INV = 525.46

25 STORM SEWERS CLASS A, TYPE 1 - 12" = 5 FT

27 STORM SEWERS CLASS A, TYPE 1 - 48" = 105 FT

9 STA. 1025+50, 30.5' RT
MH-TA 6' DIA, T1 OL
RIM ELEV = 530.72
E INV = 522.78
W INV = 524.88
N INV = 526.50

28 STORM SEWERS CLASS A, TYPE 1 - 12" = 5 FT

10 STA. 1024+40, 30.5' RT
MH-TA 6' DIA, T1 CL
RIM ELEV = 533.81
E INV = 525.51
W INV = 525.61
N INV = 529.35

11 STA. 1022+98.7, 30.5' RT
MH-TA 6' DIA, T1 CL
RIM ELEV = 537.14
E INV = 526.43
W INV = 527.03
N INV = 532.43

30 STORM SEWERS CLASS A, TYPE 2 - 48" = 136 FT

32 STORM SEWERS CLASS A, TYPE 2 - 48" = 40 FT

32A STORM SEWERS CLASS A, TYPE 2 - 48" = 20 FT

11B STA. 1022+54.7, 28.6' RT
CONFLICT MANHOLE
MH-TA 6' DIA, T1 CL
RIM ELEV = 537.60
E INV = 527.28
W INV = 527.38
N INV = 530.00±
S INV = 530.00±

12 STA. 1022+34.7, 26.3' RT
MH-TA 6' DIA, T3 F&G
RIM ELEV = 538.07
E INV = 527.49
N INV = 530.99

EX MH
RIM= 537.41
N INV= 531.81
NE INV= 532.61
E INV= 532.61
SE INV= 532.91
S INV= 531.81
W INV= 532.11

EX INLET
RIM= 537.33

EX CB
RIM= 537.32
S INV= 535.12

EX CB
RIM= 537.42
E INV= 535.42

EX MH
RIM= 536.30
N INV= 531.40
E INV= 524.00
W INV= 524.00
S INV= 531.00

EX CB
RIM= 536.53
SILT

EX CB
RIM= 536.63
N INV= 534.03

EX MH
RIM= 537.71
N INV= 528.94
NE INV= 533.24
W INV= 530.26
E INV= 523.51
S INV= 523.51

EX MH
RIM= 531.66
N INV= 525.08
E INV= 525.08
SE INV= 525.08
FL= 528.02

EX MH
RIM= 531.23
E INV= 523.43
S INV= 523.53

EX INLET
RIM= 529.65

UNION ST.
TODD ST.
MATCH LINE STA. 1022+00
MATCH LINE STA. 1028+00
U.S. RTE. 6
CITY OF LASALLE
HOUSE
GUARDPOST
METAL
RETAINING WALL
BRICK
CONFLICT MANHOLE
WATERMAIN ADJUSTMENT
SIDEWALK 7' WIDE (TYP.)
POT Sta 23+46.00
86° 48' 37"
12' BUSH
36" CMP
4" CONC
8" CLAY
6" CLAY COMB.
8" ADJ CLAY
BIT SWK
PLUG
RETAINING WALL

Rdwy_text175 (font FDOT Vert, 0.0146")

Rdwy_text120 (font FDOT Vert, 0.010")

BENCHMARK #7:
NAIL IN POWER POLE
18.6' LT. STA. 1022+20
ELEV. 540.05

BENCHMARK #8:
CHISELED "X" ON S.W. BOLT OF HANDRAIL
18.1' LT. STA. 1026+61
ELEV. 540.50

STA. 1022+26.4
STA. 1022+34.7
STA. 1022+54.7
STA. 1022+98.7
STA. 1024+40.0
STA. 1025+50.0
STA. 1026+23.9
STA. 1026+88.4
STA. 1027+80.0

INV. 532.23
INV. 531.43
INV. 530.99
INV. 530.00
INV. 532.43
INV. 529.35
INV. 526.50
INV. 525.46
INV. 525.08
INV. 527.49
INV. 527.38
INV. 527.28
INV. 527.03
INV. 526.43
INV. 525.61
INV. 525.51
INV. 524.88
INV. 522.78
INV. 522.37
INV. 522.27
INV. 521.82
INV. 519.62
INV. 517.22
INV. 516.75
INV. 516.65

30" SS CL. A, TY. 2 @ 1.0%
48" STORM SEWER CLASS A, TY. 2 @ 0.6%
48" STORM SEWER CLASS A, TY. 2 @ 0.6%
48" STORM SEWER CLASS A, TY. 1 @ 0.6%
48" STORM SEWER CLASS A, TY. 1 @ 0.6%
48" STORM SEWER CLASS A, TY. 1 @ 0.55%
54" STORM SEWER CLASS A, TY. 2 @ 0.55%

545 540 535 530 525 520 515

539.75 539.75 | 538.98 538.98 | 538.20 538.25 | 537.72 537.75 | 537.25 537.23 | 537.01 536.65 | 536.78 536.02 | 536.86 535.33 | 536.94 534.64 | 537.15 533.96 | 537.37 533.27 | 537.67 532.58 | 537.97 531.89 | 538.23 531.23 | 538.49 530.79 | 538.76 530.46 | 539.04 530.26 | 539.40 530.14 | 539.77 530.01 | 539.81 529.89 | 539.84 529.76 | 538.62 529.64 | 537.39 529.51 | 535.81 529.39 | 534.23 529.25

1022+00 1022+50 1023+00 1023+50 1024+00 1024+50 1025+00 1025+50 1026+00 1026+50 1027+00 1027+50 1028+00

PLAN / PROFILE — SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE, G.M. NOTED, STRUCTURE NOTATIONS CHKD

MODEL: 28 of 50
FILE NAME: IDOT_Example_Roadway_Plans.dgn

USER NAME = IDOT Example Roadway Plans	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/14/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(34)R, DM & (X-1)RS & BR	LASALLE	126	41
		CONTRACT NO. 66617		
		ILLINOIS	FED. AID PROJECT	

SO-DEEP U.S. PC

The Subsurface Util. Engineering Company
449 Munroe Falls Road
Tallmadge, OH 44278
(330) 794-4455

So-Deep Test Hole Certification Form

So-Deep, Corporate Office
8397 Euclid Avenue
Manassas Park, VA 20111
(703)361-6005

Control # SILB433
Test Hole # 10
Plan Scale 1"=20'
Sheet # 3
Proposed STORM X-ING
Date MAY 8, 2008

City, County, State CITY OF MORRIS, IL
Gen. Loc. DIVISION ST. JUST N OF NORTH ST.
Recorded Size/Material/Type 8" C.I. (C.O.M.) WATER LINE
Foreman/Truck#/Form By J. CLINE / 219 / P. REYNOLDS

Condition of paving prior to work ASP. RDWY. IN GOOD CONDITION

B.M. 1 Elev. = 528.58' is GIVEN
Description: (BM #104) CHIS "X" FOUND, NE CAP BOLT OF F.H., 40'± RT OF CL STA 21+35±, ILL. RTE. 47

B.M. 2 Elev. = 527.41' is GIVEN
Description: (BM #105) TOP OF NAIL FOUND, IN L.P., 43'± LT OF CL STA 24+79±, ILL. RTE. 47

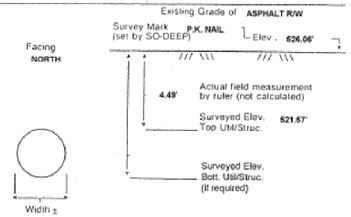
Benchmarks check BY 0.04'
Elevations are referenced to B.M.#1

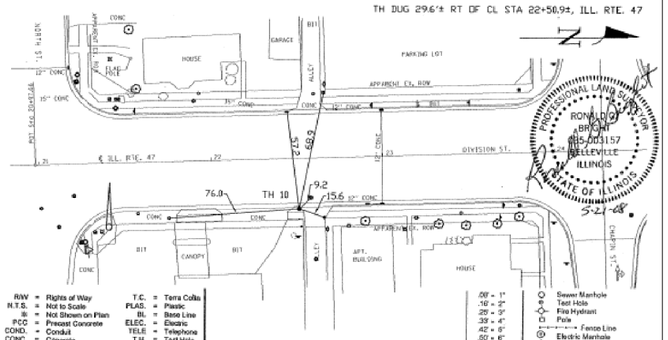
SO-DEEP will attempt to use the BM/HI most applicable to your design. If however, BMs differ by more than .05', resulting differences could cause design conflicts.

Recorded Size/Type of utility WAS FOUND
There WERE NOT additional utilities in the test hole.
The utility WAS in good condition.
Paving Thickness and type 1" ASPHALT
Color of ribbon installed BLUE
Soil Type MOIST SAND
Field Condition ASPHALT R/W
T.H. tied to P.K. NAIL

9" C.I. (C.O.M.) WATER LINE
Size/Material/Type
Portion of pipe exposed for O.D. measurement:
FULL

Remarks: NOTE: ADDITIONAL UTILITIES LIE IN CLOSE PROXIMITY TO THIS TEST HOLE. REFER TO SILB433, T.H. #11.





RW = Rights of Way
N.T.S. = Not to Scale
IS = Not Shown on Plan
PCC = Precast Concrete
COND. = Conduit
CONC. = Concrete
O.D. = Outside Diameter
C.I. = Cast Iron
D.I. = Ductile Iron
RPC = Rough Pour Concrete
CL = Centerline
T.C. = Terra Cotta
PLAS. = Plastic
BL = Base Line
ELEC. = Electric
TELE = Telephone
T.H. = Test Hole
SW = Sidewalk
DW = Driveway
BM = Benchmark
C.B. = Catch Basin
GV = Gas Valve

.08' = 1"
.16' = 2"
.25' = 3"
.33' = 4"
.42' = 5"
.50' = 6"
.58' = 7"
.67' = 8"
.75' = 9"
.83' = 10"
.92' = 11"

Sewer Manhole
Test Hole
Fire Hydrant
Pole
Fence Line
Electric Manhole
= T.S. = Traverse Station
Valve
Water Meter
Telephone Manhole
Telephone Pedestal

Performing out-of-sight work...with vision!™

Note: To Eliminate mistakes and check this work, So-Deep suggests you scale and plot all dimensions onto the plans and review all elevations carefully. So-Deep is responsible only for information shown on our forms.

SO-DEEP U.S. PC

The Subsurface Util. Engineering Company
449 Munroe Falls Road
Tallmadge, OH 44278
(330) 794-4455

So-Deep Test Hole Certification Form

So-Deep, Corporate Office
8397 Euclid Avenue
Manassas Park, VA 20111
(703)361-6005

Control # SILB433
Test Hole # 11
Plan Scale 1"=20'
Sheet # 3
Proposed STORM X-ING
Date MAY 8, 2008

City, County, State CITY OF MORRIS, IL
Gen. Loc. DIVISION ST. JUST N OF NORTH ST.
Recorded Size/Material/Type 9-WAY UNK. TYPE (AT&T) TELE. DUCT
Foreman/Truck#/Form By J. CLINE / 219 / P. REYNOLDS

Condition of paving prior to work CONC. SIDEWALK GOOD CONDITION

B.M. 1 Elev. = 528.58' is GIVEN
Description: (BM #104) CHIS "X" FOUND, NE CAP BOLT OF F.H., 40'± RT OF CL STA 21+35±, ILL. RTE. 47

B.M. 2 Elev. = 527.41' is GIVEN
Description: (BM #105) TOP OF NAIL FOUND, IN L.P., 43'± LT OF CL STA 24+79±, ILL. RTE. 47

Benchmarks check BY 0.04'
Elevations are referenced to B.M.#1

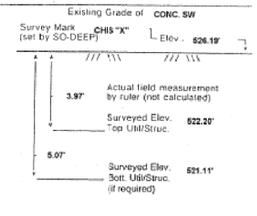
SO-DEEP will attempt to use the BM/HI most applicable to your design. If however, BMs differ by more than .05', resulting differences could cause design conflicts.

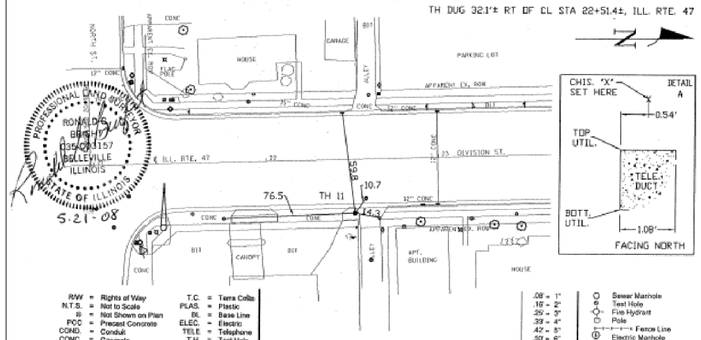
Recorded Size/Type of utility WAS FOUND
There WERE NOT additional utilities in the test hole.
The utility WAS in good condition.
Paving Thickness and type 4" CONCRETE
Color of ribbon installed ORANGE
Soil Type MOIST SAND
Field Condition CONC. SIDEWALK
T.H. tied to CHIS "X"

1.05' H. PRECAST CEMENT (AT&T) TELE. DUCT
Size/Material/Type
Portion of pipe exposed for O.D. measurement:
N/A

Remarks: NOTE: ADDITIONAL UTILITIES LIE IN CLOSE PROXIMITY TO THIS TEST HOLE. REFER TO SILB433, T.H. #10.

PREPARED WITHOUT AT&T RECORDS. WE ACCEPT NO LIABILITY FOR FACILITIES OTHER THAN THOSE DEPICTED ON THIS CERTIFICATION FORM.





RW = Rights of Way
N.T.S. = Not to Scale
IS = Not Shown on Plan
PCC = Precast Concrete
COND. = Conduit
CONC. = Concrete
O.D. = Outside Diameter
C.I. = Cast Iron
D.I. = Ductile Iron
RPC = Rough Pour Concrete
CL = Centerline
T.C. = Terra Cotta
PLAS. = Plastic
BL = Base Line
ELEC. = Electric
TELE = Telephone
T.H. = Test Hole
SW = Sidewalk
DW = Driveway
BM = Benchmark
C.B. = Catch Basin
GV = Gas Valve

.08' = 1"
.16' = 2"
.25' = 3"
.33' = 4"
.42' = 5"
.50' = 6"
.58' = 7"
.67' = 8"
.75' = 9"
.83' = 10"
.92' = 11"

Sewer Manhole
Test Hole
Fire Hydrant
Pole
Fence Line
Electric Manhole
= T.S. = Traverse Station
Valve
Water Meter
Telephone Manhole
Telephone Pedestal

Performing out-of-sight work...with vision!™

Note: To Eliminate mistakes and check this work, So-Deep suggests you scale and plot all dimensions onto the plans and review all elevations carefully. So-Deep is responsible only for information shown on our forms.

SO-DEEP U.S. PC

The Subsurface Util. Engineering Company
449 Munroe Falls Road
Tallmadge, OH 44278
(330) 794-4455

So-Deep Test Hole Certification Form

So-Deep, Corporate Office
8397 Euclid Avenue
Manassas Park, VA 20111
(703)361-6005

Control # SILB433
Test Hole # 12
Plan Scale 1"=20'
Sheet # 3
Proposed STORM X-ING
Date MAY 9, 2008

City, County, State CITY OF MORRIS, IL
Gen. Loc. DIVISION ST., JUST S OF CHAPIN ST.
Recorded Size/Material/Type 9-WAY UNK. TYPE (AT&T) F.O. TELE. DUCT
Foreman/Truck#/Form By J. CLINE / 219 / P. REYNOLDS

Condition of paving prior to work NO PAVING

B.M. 1 Elev. = 528.58' is GIVEN
Description: (BM #104) CHIS "X" FOUND, NE CAP BOLT OF F.H., 40'± RT OF CL STA 21+35±, ILL. RTE. 47

B.M. 2 Elev. = 527.41' is GIVEN
Description: (BM #105) TOP OF NAIL FOUND, IN L.P., 43'± LT OF CL STA 24+79±, ILL. RTE. 47

Benchmarks check BY 0.04'
Elevations are referenced to B.M.#2

SO-DEEP will attempt to use the BM/HI most applicable to your design. If however, BMs differ by more than .05', resulting differences could cause design conflicts.

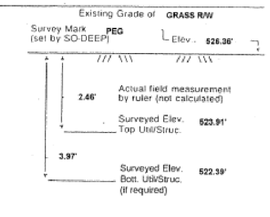
Recorded Size/Type of utility WAS FOUND
There WERE additional utilities in the test hole.
The utility WAS in good condition.
Paving Thickness and type NO PAVING
Color of ribbon installed ORANGE
Soil Type MOIST SAND
Field Condition GRASS R/W
T.H. tied to PEG

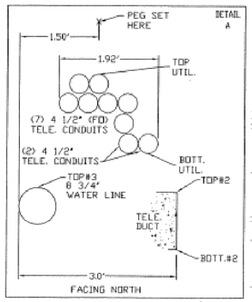
(7) 4 1/2" PLASTIC (AT&T) F.O. TELE. CONDUITS "
Size/Material/Type
Portion of pipe exposed for O.D. measurement:
N/A

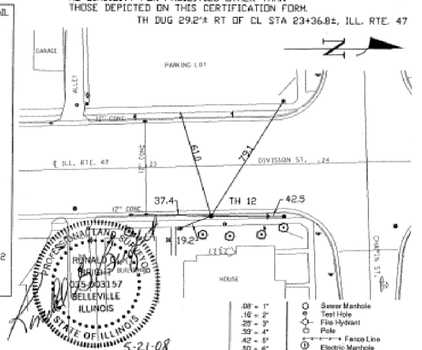
Remarks: * CREW FOUND A 1.11' H. PRECAST CEMENT (AT&T) TELE. DUCT, (2) 4 1/2" TRANSITE (AT&T) TELE. CONDUITS AND A 8 3/4" D.I. (C.O.M.) WATER LINE. ADDITIONAL PLASTIC TELE. CONDUITS MAY BE PRESENT BUT LIE HIDDEN FROM VIEW.

	TOP#2	BOTT#2	TOP#3
ELEV.	521.62	520.61	521.72
ACTUAL	4.76	5.82	4.62

PREPARED WITHOUT AT&T RECORDS. WE ACCEPT NO LIABILITY FOR FACILITIES OTHER THAN THOSE DEPICTED ON THIS CERTIFICATION FORM.







RW = Rights of Way
N.T.S. = Not to Scale
IS = Not Shown on Plan
PCC = Precast Concrete
COND. = Conduit
CONC. = Concrete
O.D. = Outside Diameter
C.I. = Cast Iron
D.I. = Ductile Iron
RPC = Rough Pour Concrete
CL = Centerline
T.C. = Terra Cotta
PLAS. = Plastic
BL = Base Line
ELEC. = Electric
TELE = Telephone
T.H. = Test Hole
SW = Sidewalk
DW = Driveway
BM = Benchmark
C.B. = Catch Basin
GV = Gas Valve

.08' = 1"
.16' = 2"
.25' = 3"
.33' = 4"
.42' = 5"
.50' = 6"
.58' = 7"
.67' = 8"
.75' = 9"
.83' = 10"
.92' = 11"

Sewer Manhole
Test Hole
Fire Hydrant
Pole
Fence Line
Electric Manhole
= T.S. = Traverse Station
Valve
Water Meter
Telephone Manhole
Telephone Pedestal

Performing out-of-sight work...with vision!™

Note: To Eliminate mistakes and check this work, So-Deep suggests you scale and plot all dimensions onto the plans and review all elevations carefully. So-Deep is responsible only for information shown on our forms.

MODEL: 29 of 50
FILE NAME: IDOT Example Roadway Plans.dgn

USER NAME = IDOT Example Roadway Plans	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/14/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBSURFACE UTILITY ENGINEERING
TEST HOLES

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS)W&RS-2I	GRUNDY	85	50
		CONTRACT NO. 66720		
	ILLINOIS	FED. AID PROJECT		

Other Specialty Sheets and Details

Include the following sheets and details when needed

Removal Sheets

Right-of-way sheets
Obtain these from the District Bureau of Land Acquisition
Check that shown correctly on other plan sheets and cross sections

Intersection details
Include pavement elevations,
lane widths,
curb or edge of pavement radii,
curb ramps,
turning radii for left-turning vehicles,
location of median noses and islands,
location of traffic signal equipment,
location of loop detectors,
location of traffic signs,
pavement markings, and
construction joint layout

Pavement marking details
District uses 6" centerline skip dashes
District uses the large size arrows in urban and rural, note on plans
Check for appropriate lane widths
Show layout information
Show raised reflective pavement markers

Landscaping details
If plans are simple, consider combining with pavement marking detail sheets

Traffic signal details
Verify pole locations are not in ditch flow lines
Check for conflicts at proposed pole locations
Check clear zone requirements
Check to see if borings are necessary
Check placement of loop detectors in relation to stop bar locations
Check for electrical supply
Show loading diagrams

Lighting details
Lighting at interstate interchanges
Check to see if borings are necessary
Check for electrical supply
Show loading diagrams

Structure sheets
Include boring logs on CADD generated sheets and
check to see that borings are complete and adequate
verify rock elevation does not require separate item for rock excavation
Check approach details
Check for bridge painting, coordinate with District
Check for piling or footing conflicts, such as from old structures
Include shoulder repair quantities for shifting traffic
Contact District to see if any utilities are attached to structure
Include existing structure plan sheets for information only (supplied by district) or if project has been selected to follow the SAR procedures, coordinate with district for inclusion of structure information and general notes required. See GBSP 67 and ABD 09.1 for information.

Wetland details
Culvert details

Refer to the following locations in the BDE Manual for guidance

63-4.11 Right-of-Way Plan Sheets

63-4.12 Intersection Details

63-4.13 Pavement Marking Details

63-4.14 Special Plans

63-4.14(a) Landscaping Details

63-4.14(b) Traffic Signal Plans

63-4.14(c) Lighting Plans

63-4.14(d) Structure Plans

Place description of sheet here

Information is same as cover sheet

USER NAME = IDOT Example Roadway Plans	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - _____	REVISED - _____	
PLOT SCALE = 40.0000 ' / in.	CHECKED - _____	REVISED - _____	
PLOT DATE = 8/14/2019	DATE - _____	REVISED - _____	

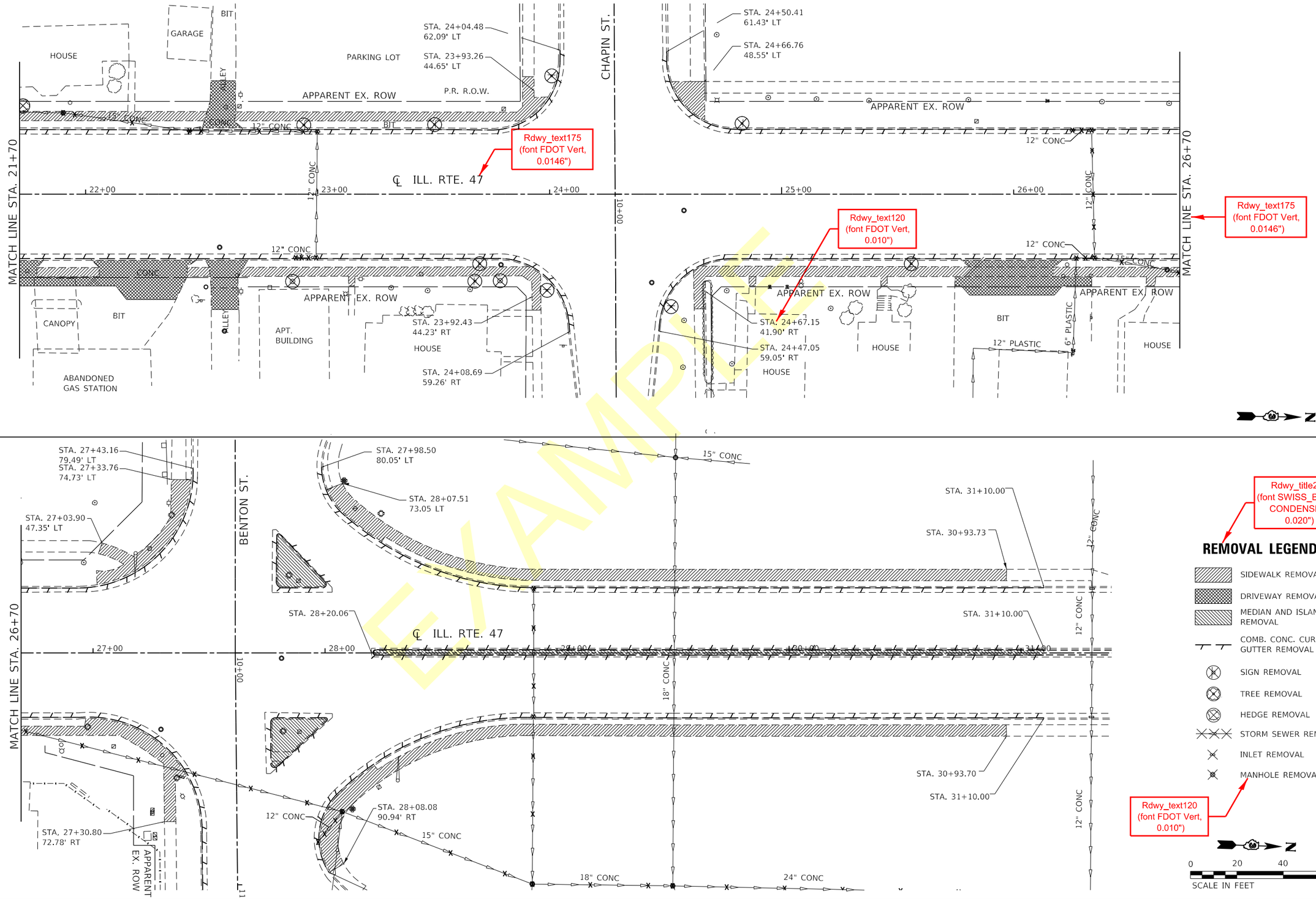
SCALE: _____ | SHEET __ OF __ SHEETS | STA. _____ | TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
___	_____	_____	___	___

CONTRACT NO. ____

ILLINOIS | FED. AID PROJECT

MODEL: 1 of 50
FILE NAME: IDOT Example Roadway Plans.dgn



USER NAME = IDOT Example Roadway Plans	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/14/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLANS

SCALE: | SHEET OF SHEETS | STA. 21+70 TO STA. 31+10

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-2I	GRUNDY	85	17
		CONTRACT NO. 66720		
	ILLINOIS FED. AID PROJECT			

MODEL: 31 of 50
FILE NAME: IDOT Example Roadway Plans.dgn

N.W. ¼ OF SEC. 14, T.33N., R.1E. OF THE 3RD P.M.

Rdwy_text175 (font FDOT Vert, 0.0146")

Rdwy_text175 (font FDOT Vert, 0.0146")

Rdwy_text100 (font FDOT Vert, 0.0083")

Smaller text style was used due to scale and volume of information.

PARCEL 3RI0001

JAMES L. SPELICH, et ux.

TOTAL HOLDING = 11,016 SQ. FT.
TOTAL R.O.W. REQUIRED = 64 SQ. FT.
REMAINDER = 10,952 SQ. FT.

PARCEL 3RI0002

CARUS CORPORATION

TOTAL HOLDING = 11,917 SQ. FT.
TOTAL R.O.W. REQUIRED = 1,654 SQ. FT.
REMAINDER = 10,263 SQ. FT.

PARCEL 3RI0003

JANET S. ZIMENT

TOTAL HOLDING = 874 SQ. FT.
TOTAL R.O.W. REQUIRED = 146 SQ. FT.
REMAINDER = 728 SQ. FT.
QUIT CLAIM AREA = 304 SQ. FT.

CURVE DATA
P.I = 1021+62.08
DEL. = 6° 44' 20"
D = 5° 56' 28"
R = 964.40
T = 56.78'
L = 113.43'
E = 1.67'
P.C. = 1021+05.30
P.T. = 1022+18.73

LAPSLEY'S ADD'N.
PLAT BK. H, PG. 8
BLOCK 2

LAPSLEY'S ADD'N.
PLAT BK. H, PG. 8
BLOCK 3

STREET — UNION — TODD ST. — BUCK ST.

U.S. ROUTE 6 — 5TH STREET

NW COR. LOT 5 BLOCK 2 SET IP — P.O.C. PARCEL 3RI0001

NW COR. LOT 5 BLOCK 1 SET IP — P.O.C. PARCEL 3RI0002, 3RI0003 & QUIT CLAIM AREA

P.O.B. PARCEL 3RI0001 — 1022+88.87, 53.28'

P.O.B. PARCEL 3RI0002 — 1026+88.17, 82.54'

P.O.B. PARCEL 3RI0003 & QUIT CLAIM AREA — 1027+43.45, 38.12'

P.O.B. PARCEL 3RI0004-TE — 1026+89.25, 92.46'

SW COR. LOT 4 BLOCK 4 SET IP — P.O.C. PARCEL 3RI0004-3RI0008

P.T. STA. 1022+18.73

℄ U.S. RTE. 6 (S. 89° 22' 46" E.)

PROP. R.O.W. LINE

EXIST. R.O.W. LINE

SOUTH LINE OF BLOCK 2

WEST LINE OF ZIMENT PROPERTY

EAST LINE OF CARUS CORP. PROPERTY

QUIT CLAIM / AREA

TEMP. EASEMENT LINE

GUARDPOST

℄ STRUCTURE

BRICK — CONC — AGG — CONC

3RI0001 — 3RI0002 — 3RI0003 — 3RI0004 — 3RI0005

1022+00 — 1023+00 — 1024+00 — 1025+00 — 1026+00 — 1027+00

1022+48.86, 51.15'
1022+88.94, 40.28'
1022+88.98, 33.28'
1022+98.78, 40.27'
1023+28.82, 40.21'
1023+68.85, 34.14'
1023+73.82, 40.13'
1023+73.85, 34.19'
1024+23.70, 40.03'
1024+48.60, 54.85'
1024+48.70, 39.98'
1024+48.73, 34.99'
1025+28.48, 55.71'
1025+28.60, 35.84'
1026+08.33, 56.56'
1026+08.45, 36.69'
1026+88.45, 37.54'
1026+76.06
1027+28.31, 60.46'
1027+47.56, 49.88'
1027+28.45, 37.96'
1027+68.44, 38.39'
1027+68.94, 41.61'
1026+88.94, 42.46'
1027+08.94, 42.25'
1027+06.97, 47.27'
1027+68.97, 46.61'
1022+49.36, 29.35'
1022+29.56, 31.70'
1022+89.47, 46.72'
1023+69.35, 45.86'
1024+49.22, 45.01'
1025+29.10, 44.15'
1026+08.95, 43.30'

S.0°18'25"W. 139.86'
S.0°16'03"W. 159.88'
S.0°16'03"W. 114.88'
S.0°16'03"W. 160.56'
S.0°16'03"W. 110.56'
N.0°18'25"E. 13.00'
S.36°40'14"E. 16.36'
N.89°16'26"W. 9.84'
S.60°34'14"E. 67.78'
N.0°16'03"E. 22.50'
N.0°16'03"E. 45.00'
S.60°34'14"E. 23.83'
N.89°59'23"W. 55.00'
N.89°59'23"W. 25.00'
S.19°55'22"W. 12.45'
S.89°59'23"E. 20.00'
S.89°59'23"E. 80.00'
S.89°59'23"E. 60.00'
N.89°59'23"W. 62.00'
S.0°16'03"W. 5.00'
N.22°02'02"E. 5.39'
S.22°02'02"W. 5.39'
N.0°16'03"E. 50.00'

I VINCENT D. BRANDOW, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THE SURVEY OF PROPOSED F.A.P. 623 (U.S. ROUTE 6) WAS MADE BY RENWICK & ASSOCIATES, INC. UNDER MY DIRECTION, AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

DATE: 7-15-05

SIGNATURE
ILLINOIS PROFESSIONAL LAND SURVEYOR
NO. 2655
11-30-06
EXPIRATION DATE

SURVEY BOOK NO. ———

SEAL

Rdwy_title240 (font Swiss_Bold_ Condensed, 0.020")

Rdwy_title200 (font Swiss_Bold_ Condensed, 0.0167")

Rdwy_text120 (font FDOT Vert, 0.010")

PARCEL 3RI0004

CARUS CORPORATION

TOTAL HOLDING = 500 SQ. FT.
TEMPORARY EASEMENT = 500 SQ. FT.
PURPOSE: TEMPORARY SERVICE DRIVE

PARCEL 3RI0005

JOSEPH RAYMOND VASQUEZ

TOTAL HOLDING = 5,900 SQ. FT.
TEMPORARY EASEMENT = 305 SQ. FT.
PURPOSE: TEMPORARY SERVICE DRIVE

0 20 40 60
SCALE IN FEET

NOTE: ALL BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE (N.A.D. 83)

USER NAME = IDOT Example Roadway Plans	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/14/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLANS

PROJECT	JOB NO. R-92-024-0
SHEET 1 OF 2 SHEETS	STA. 1022+00 TO STA. 1027+00

SCALE: 1" = 20'

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(34)R, DM & (X-1)RS & BR	LASALLE	126	48
		CONTRACT NO. 66617		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

MODEL: 32 of 50
FILE NAME: IDOT Example Roadway Plans.dgn

STA. 17+22.57
66.04' LT

STA. 17+54.66
66.69' LT

STA. 17+91.30
66.85' LT

STA. 17+91.32
65.63' LT

STA. 18+23.42
66.04' LT

18.00

18.50

STA. 17+50.38
50.24' LT

STA. 17+38.77
38.45' LT

STA. 17+22.55
34.00' LT

STA. 17+95.70
49.93' LT

STA. 18+07.46
38.37' LT

STA. 18+23.44
34.00' LT

Rdwy_text120
(font FDOT Vert, 0.010")

JACKSON ST.

IL 47

PC Sta 17+13.07

PT Sta 18+36.08

+50.00 17+00 +75.00 +25.00 +50.00 10+00 +75.00 18+00 +25.00 +50.00 +75.00

STA. 17+29.23
26.00' RT

STA. 17+73.32 (IL 47)=
STA. 10+00.00 (W. JACKSON ST.)

STA. 17+76.42 (IL 47)=
STA. 10+00.42 (E. JACKSON ST.)

STA. 18+24.95
34.00' RT

18.18

17.01

STA. 17+57.60
50.40' RT

STA. 17+92.71
50.00' RT

STA. 17+24.80
56.72' RT

STA. 17+30.71
56.38' RT

STA. 18+25.06
59.91' RT

SCALE: 1" = 8'
0' 4' 8' 16' 32'

MODEL: 33 of 50
FILE NAME: IDOT Example Roadway Plans.dgn

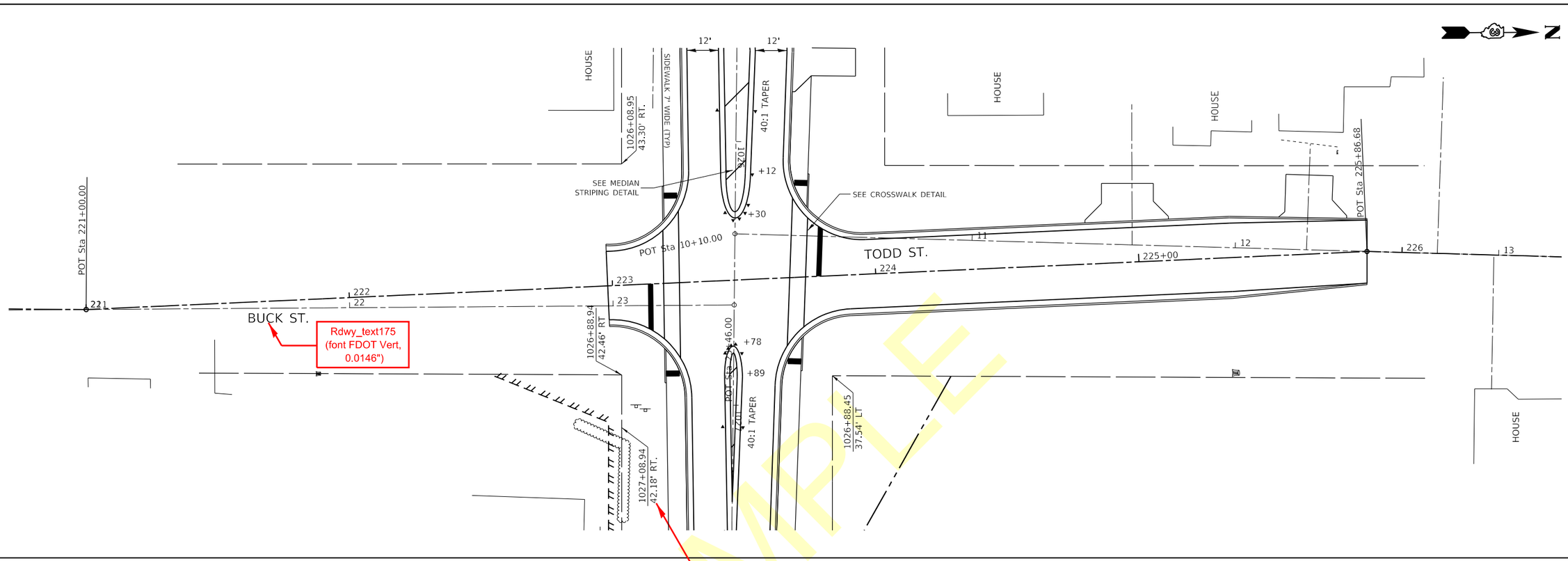
USER NAME = IDOT Example Roadway Plans	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/14/2019	DATE -	REVISED -

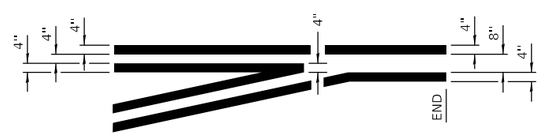
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS
IL. ROUTE 47 /JACKSON ST.

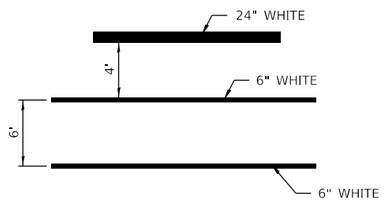
SCALE: 1" = 8' | SHEET OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-2I	GRUNDY	85	32
		CONTRACT NO. 66720		
	ILLINOIS FED. AID PROJECT			



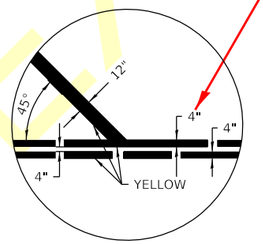


TYPICAL APPLICATION
LEFT TURN LANES

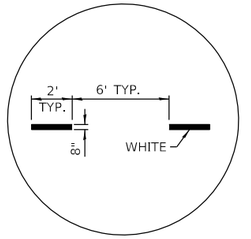


DETAIL FOR CROSSWALKS
AND STOP BARS

Rdwy_text120
(font FDOT Vert,
0.010")

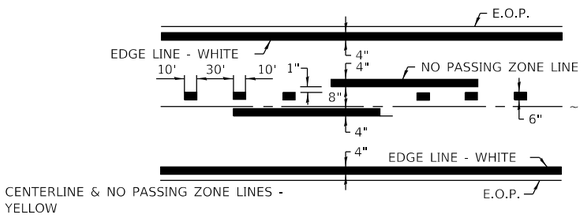


DETAIL A
MEDIAN STRIPING



Rdwy_title240
(font Swiss_Bold_
Condensed,
0.020")

DETAIL B
LEFT TURN LANE STRIPING



(SEE TYPICAL SECTIONS)

PAVEMENT MARKING

MODEL: 34 of 50
FILE NAME: IDOT Example Roadway Plans.dgn

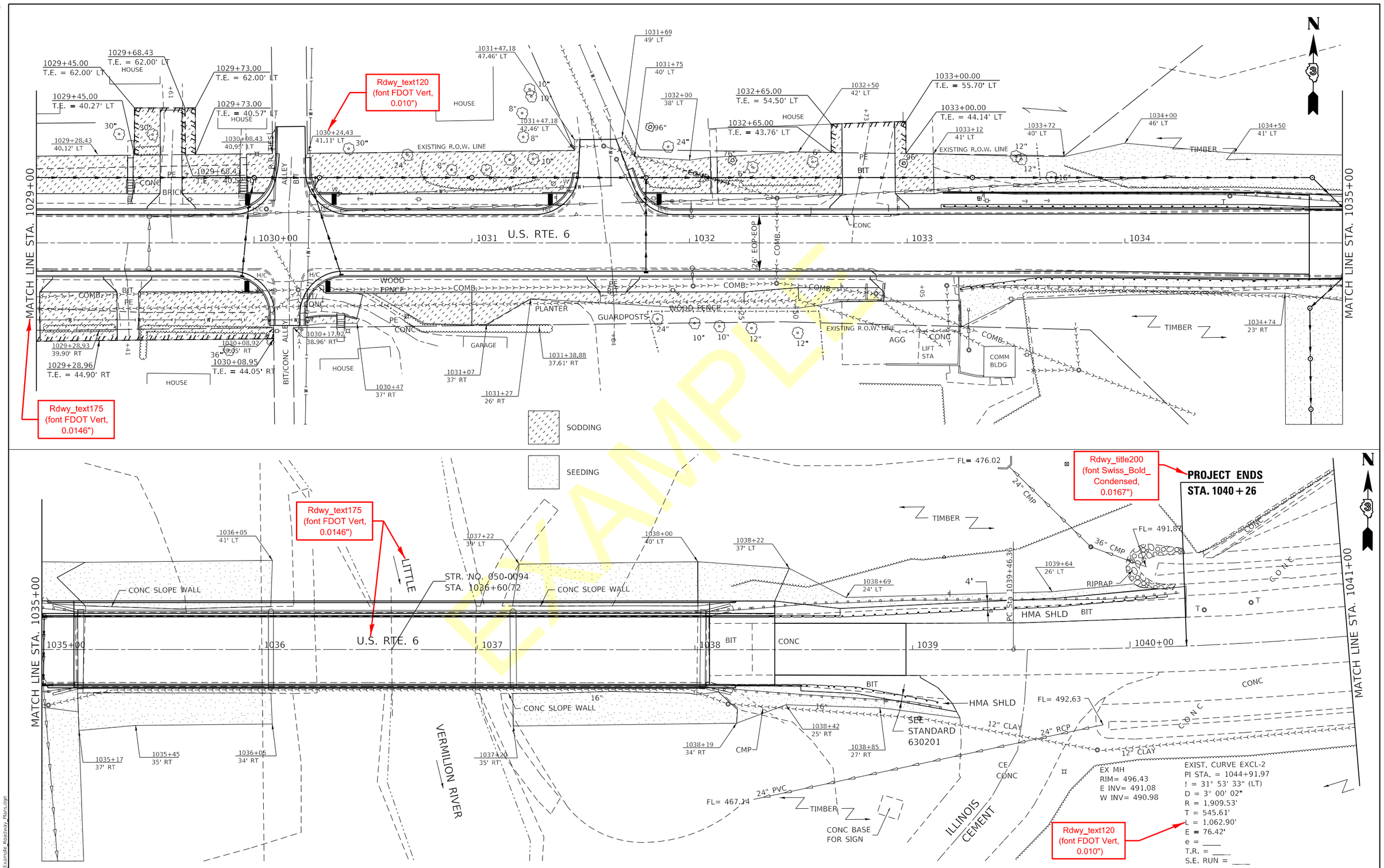
USER NAME = IDOT Example Roadway Plans	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/14/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING TODD & BUCK STREETS

SCALE: | SHEET 3 OF 2 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(34)R, DM & (X-1)RS &	LASALLE	126	52
		CONTRACT NO. 66617		
		ILLINOIS FED. AID PROJECT		



USER NAME = IDOT Example Roadway Plans	DESIGNED -	REVISED -	**STATE OF ILLINOIS**
	DRAWN -	REVISED -	**DEPARTMENT OF TRANSPORTATION**
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	**LANDSCAPING**
PLOT DATE = 8/14/2019	DATE -	REVISED -	SCALE: SHEET 2 OF 3 SHEETS STA. 1029+00 TO STA. 1041+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(34)R, DM & (X-1)RS & BR	LASALLE	126	54
		CONTRACT NO. 66617		
	ILLINOIS FED. AID PROJECT			

MODEL: 35 of 50
FILE NAME: IDOT Example Roadway Plans.dgn

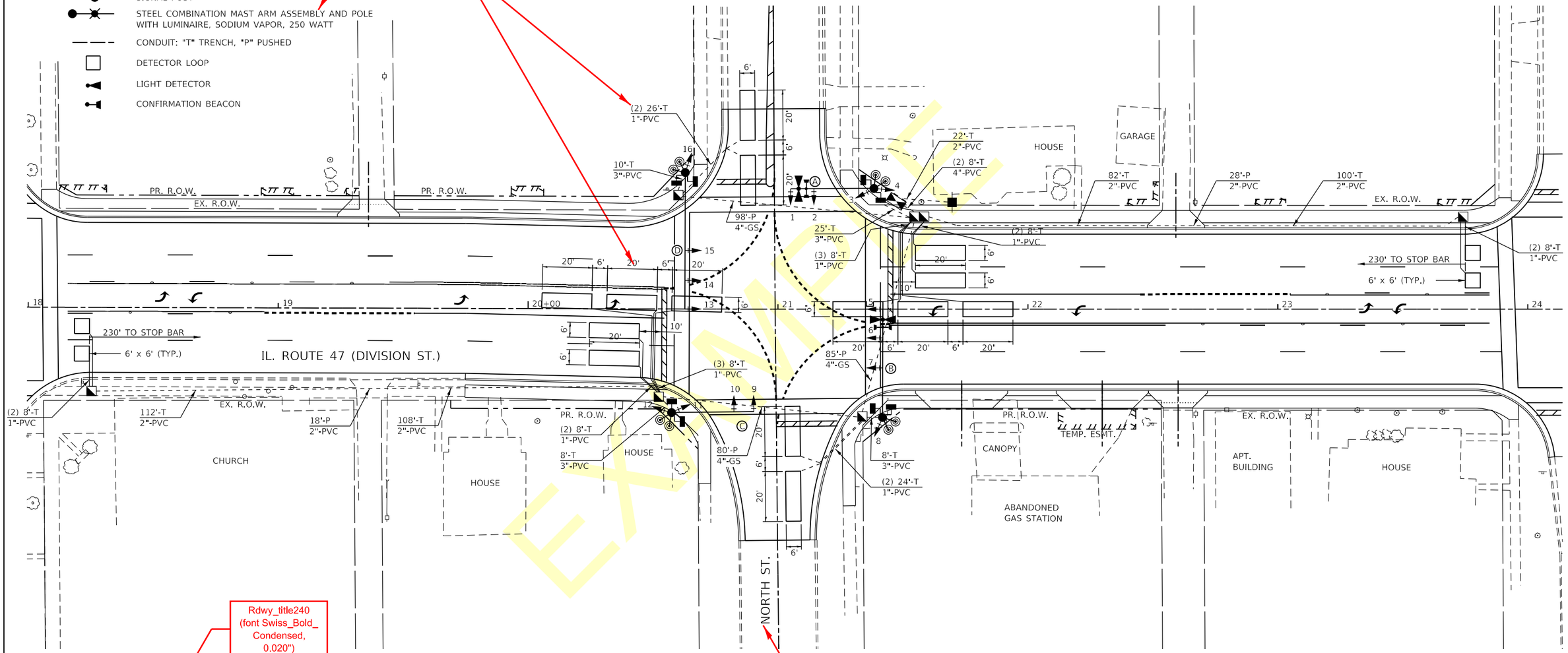
TRAFFIC SIGNAL LEGEND

- HANDHOLE
- DOUBLE HANDHOLE
- CONTROLLER AND CABINET
- SIGNAL HEAD WITH BACKPLATE
- POWER SERVICE INSTALLATION
- PEDESTRIAN SIGNAL HEAD
- PEDESTRIAN PUSH BUTTON
- SIGNAL POST
- STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE, SODIUM VAPOR, 250 WATT
- CONDUIT: "T" TRENCH, "P" PUSHED
- DETECTOR LOOP
- LIGHT DETECTOR
- CONFIRMATION BEACON

Rdwy_text120 (font FDOT Vert, 0.010")

SCHEDULE OF SIGNAL HEAD QUANTITIES

LOCATION	ITEM	UNIT	QUANTITY
1,2,6,7,9,10,14,15	SH, 1F, 3S, MAM	EACH	8
4,8,12,16	SH, 1F, 3S, BM	EACH	4
5,13	SH, 1F, 5S, MAM	EACH	2
3,11	SH, 1F, 5S, BM	EACH	2



Rdwy_title240 (font Swiss_Bold_ Condensed, 0.020")

Rdwy_text175 (font FDOT Vert, 0.0146")

SCHEDULE OF POLE/MAST ARM ASSEMBLIES

LOCATION	LENGTH
A	34' S. M.A.A. & POLE
B	44' S. COMB. M.A.A. & POLE
C	32' S. M.A.A. & POLE
D	55' S. COMB. M.A.A. & POLE

Rdwy_text120 (font FDOT Vert, 0.010")

0 20 40 60
SCALE IN FEET

MODEL: 36 of 50
FILE NAME: IDOT Example Roadway Plans.dgn

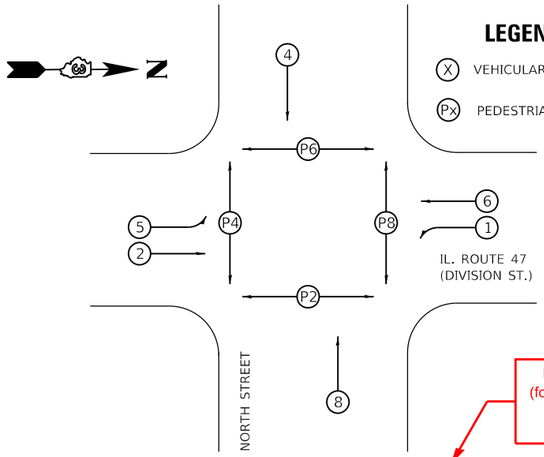
USER NAME = IDOT Example Roadway Plans	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/14/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TRAFFIC SIGNAL MODERNIZATION
IL. 47 (DIVISION ST.)/NORTH ST.

SCALE: | SHEET OF SHEETS | STA. 18+00 | TO STA. 24+10

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-2I	GRUNDY	85	42
		CONTRACT NO. 66720		
		ILLINOIS	FED. AID PROJECT	



LEGEND

- (X) VEHICULAR PHASE NO. x
- (Px) PEDESTRIAN PHASE NO. x

PHASE DESIGNATION DIAGRAM

Rdwy_title240 (font Swiss_Bold_ Condensed, 0.020")

SCHEDULE OF QUANTITIES

DESCRIPTION	UNIT	QUANTITY
SERVICE INSTALLATION, TYPE B	EACH	1
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	5
DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1
LUMINAIRE, SODIUM VAPOR, HOR. MOUNT, 250 WATT	EACH	2
FULL-ACTUATED CONTROLLER AND TYPE V CABINET, SPECIAL	EACH	1
MASTER CONTROLLER	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	24
INDUCTIVE LOOP DETECTOR	EACH	10
DETECTOR LOOP, TYPE 1	FT.	1148
PEDESTRIAN PUSH-BUTTON	EACH	8
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	3
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
SIGN PANEL - TYPE 1	SQ. FT.	16
SIGN PANEL - TYPE 2	SQ. FT.	42.5
CONDUIT IN TRENCH 1 IN. DIA., PVC	FT.	96
CONDUIT IN TRENCH 2 IN. DIA., PVC	FT.	418
CONDUIT IN TRENCH 3 IN. DIA., PVC	FT.	51
CONDUIT IN TRENCH 4 IN. DIA., PVC	FT.	16
CONDUIT PUSHED, 2 IN. DIA., PVC	FT.	46
CONDUIT PUSHED, 4 IN. DIA., GALVANIZED STEEL	FT.	263
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FT.	565
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FT.	980
ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 1/C NO. 6 GROUND	FT.	112
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2/C	FT.	1062
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3/C	FT.	1078
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5/C	FT.	2287
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7/C	FT.	704
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FT.	35
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14, 1-PAIR	FT.	1572
STEEL MAST ARM ASSEMBLY AND POLE 32 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE 34 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 55 FT.	EACH	1
CONCRETE FOUNDATION, TYPE C	FT.	3.5
CONCRETE FOUNDATION, TYPE E 30 IN. DIAMETER	FT.	50
LIGHTING CONTROLLER, SPECIAL	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	8
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED	EACH	8
UNINTERRUPTABLE POWER SUPPLY	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
LIGHT DETECTOR	EACH	4
LIGHT DETECTOR AMPLIFIER	EACH	1
ELECTRIC CABLE IN CONDUIT NO. 20, 3/C, TWISTED, SHIELDED	FOOT	1108

Rdwy_schedule120 (font FDOT Mono, 0.010")

PROPOSED CABLE DIAGRAM LEGEND

- CONTROLLER AND CABINET
- SERVICE INSTALLATION
- TRAFFIC SIGNAL HEAD WITH BACKPLATE
- DENOTES NUMBER OF CONDUCTORS
- LUMINAIRE, SODIUM VAPOR, 250 WATT
- PEDESTRIAN SIGNAL HEAD
- PEDESTRIAN PUSH BUTTON
- DETECTOR LOOP
- H — GROUND ROD AT HANDHOLE OR DOUBLE HANDHOLE
- MA — GROUND ROD AT MAST ARM POLE
- S — GROUND ROD AT ELECTRIC SERVICE INSTALLATION

Rdwy_text120 (font FDOT Vert, 0.010")

INTERCONNECTION CABLE

(F) FIBER OPTIC CABLE 12 FIBER MULTIMODE AND 12 FIBER SINGLE MODE

(T) TRACER CABLE NO. 14 1C

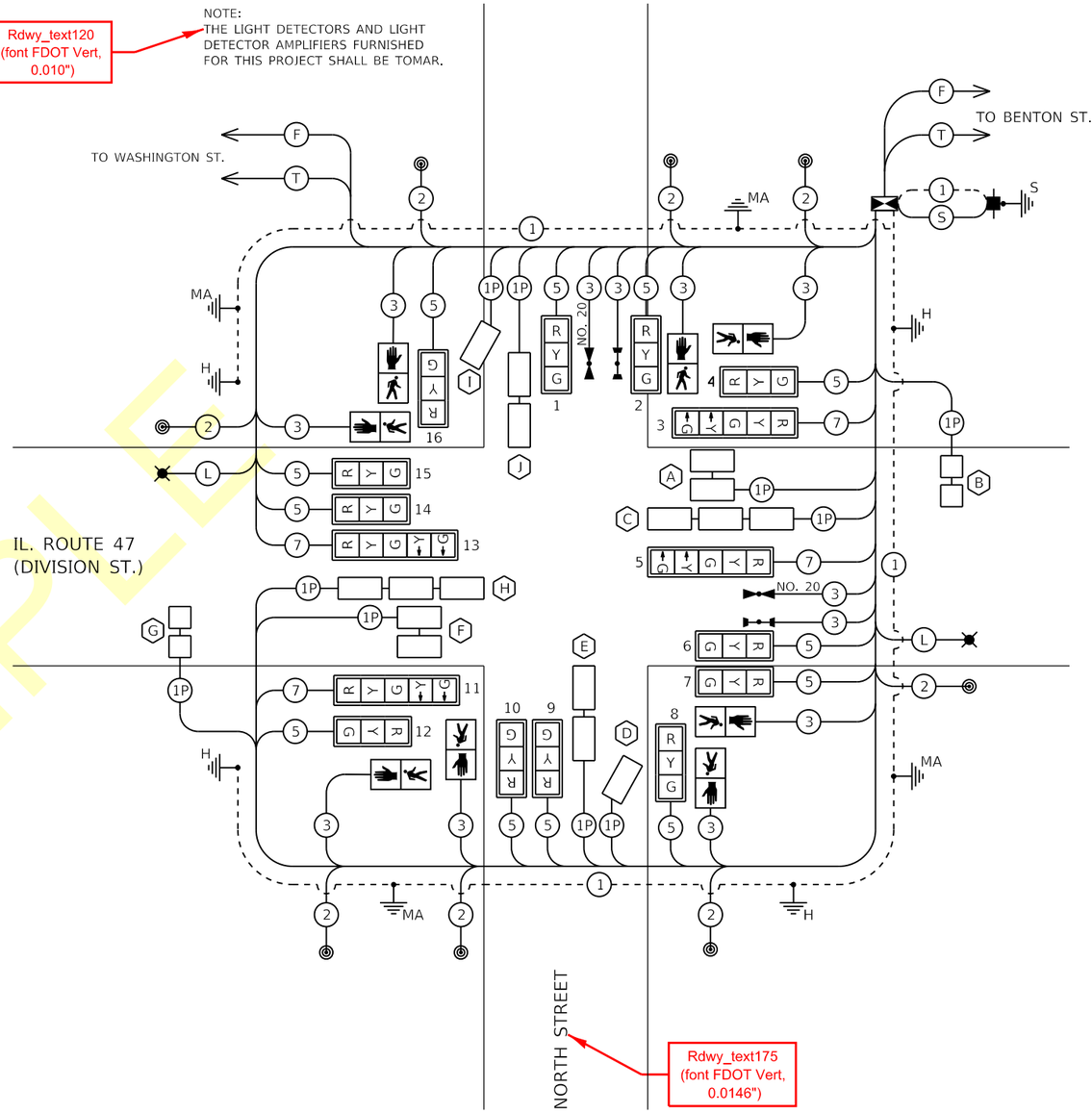
(S) SERVICE CABLE

ELECTRIC CABLE IN CONDUIT, SERVICE, NO.6 2C

(L) LIGHTING CABLE

600V (XLP-TYPE USE) 3 - 1/C NO.10

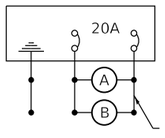
NOTE:
THE LIGHT DETECTORS AND LIGHT DETECTOR AMPLIFIERS FURNISHED FOR THIS PROJECT SHALL BE TOMAR.



Rdwy_text175 (font FDOT Vert, 0.0146")

CABLE DIAGRAM

CONTROLLER SPECIFIED: EAGLE EPAC



AGENCY RESPONSIBLE FOR ENERGY CHARGES:
CITY OF MORRIS
CONTRACTOR PAYS ALL ENERGY CHARGES
UNTIL PROJECT IS ACCEPTED

LIGHTING CIRCUIT DIAGRAM

USER NAME = IDOT Example Roadway Plans	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/14/2019	DATE -	REVISED -

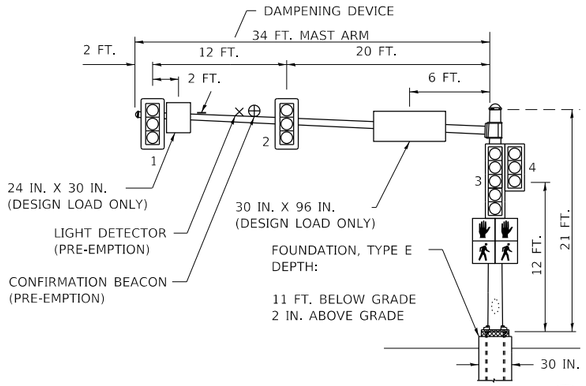
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PHASE DIAGRAM, CABLE DIAGRAM & SCHEDULE OF QUANTITIES
IL. 47 (DIVISION ST.)/NORTH ST.

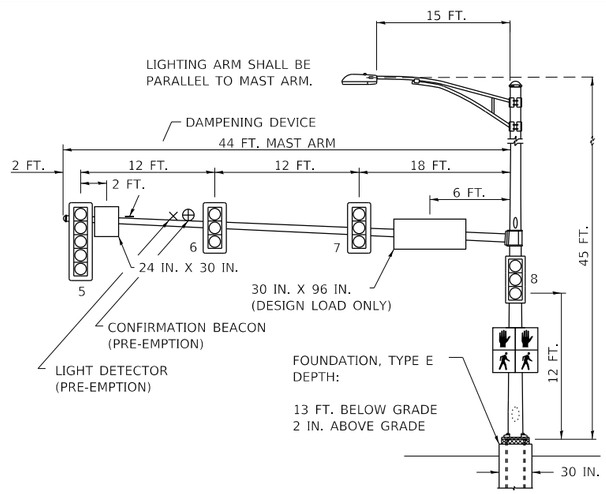
SCALE: | SHEET OF SHEETS | STA. 18+00 | TO STA. 24+10

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-2I	GRUNDY	85	43
		CONTRACT NO. 6670		
		ILLINOIS FED. AID PROJECT		

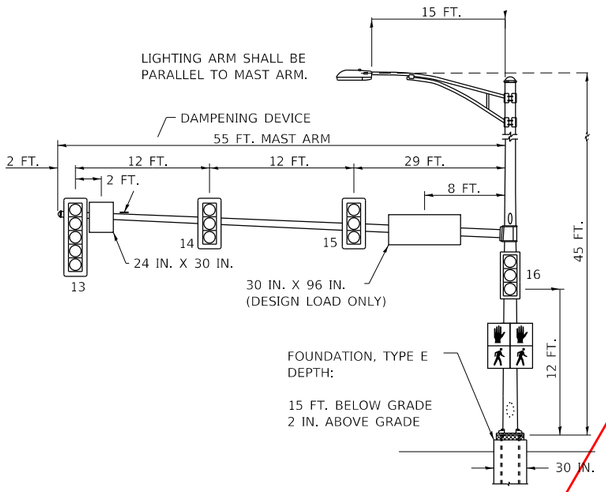
MODEL: 37 of 50
FILE NAME: IDOT Example Roadway Plans.dgn



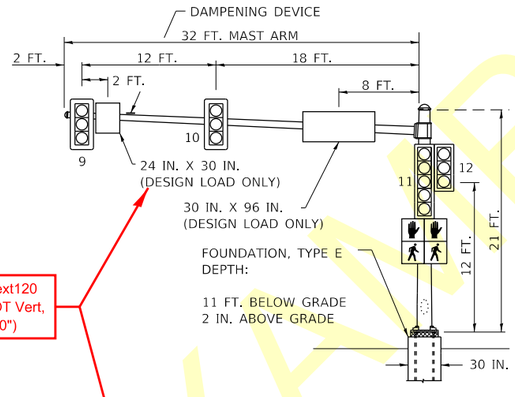
MAST ARM NORTHWEST QUADRANT (A)



MAST ARM NORTHEAST QUADRANT (B)



MAST ARM SOUTHWEST QUADRANT (D)



MAST ARM SOUTHEAST QUADRANT (C)

Rdwy_text120 (font FDOT Vert, 0.010")

ELECTRICAL LOAD CHART

IL ROUTE 47

INDICATION	NUMBER	WATTAGE EACH	BURN TIME (%)
RED	10	12	60
YELLOW	10	32	5
GREEN	10	12	35
YELLOW ARROW	4	12	5
GREEN ARROW	4	11	10
	4	7	5
	4	7	95

Rdwy_schedule120 (font FDOT Vert Mono, 0.010")

NORTH STREET

RED	10	12	70
YELLOW	10	32	5
GREEN	10	12	25
	4	7	5
	4	7	95

TRAFFIC SIGNAL CABINET

ITEM	NUMBER	WATTAGE EACH	BURN TIME (%)
CONTROLLER	2	6	100
INDUCTIVE LOOP DETECTOR	10	1.5	100
UNINTERRUPTABLE POWER SUPPLY	1	50	100
LIGHT DETECTOR AMPLIFIER	1	1.5	100

HIGHWAY LIGHTING

ITEM	NUMBER	WATTAGE EACH	BURN TIME (%)
CONTROLLER	1	6	100
LUMINAIRE	2	250	45

Rdwy_title240 (font Swiss_Bold_ Condensed, 0.020")

DETECTOR LOOP INDUCTANCE CHART

Rdwy_schedule120 (font FDOT Vert Mono, 0.010")

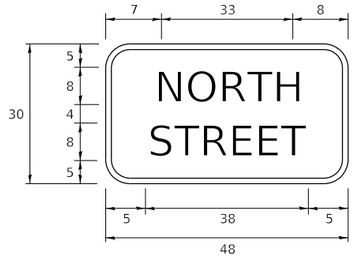
DETECTOR LOOP SYSTEM	TURNS PER LOOP	INDUCTANCE READING (MICROHENRIES)	FREQUENCY (HERTZ)	J PIN STATUS
A	4	282	36344	OFF
B	5	268	30205	ON
C	4	382	31227	ON
D	4	680	29570	OFF
E	4	404	30365	ON
F	4	326	33802	OFF
G	5	290	35833	ON
H	4	470	28152	ON
I	4	884	38295	OFF
J	4	382	31227	ON

NOTES:
WORD "GRADE" IS TO BE INTERPRETED AS TOP OF CURB. TOP OF FOUNDATION SHALL NOT BE EXPOSED MORE THAN 4 IN. ABOVE THE SURROUNDING GROUND.

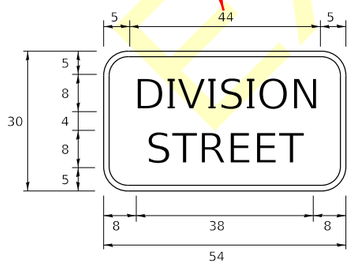
STREET SIGN DETAIL

THESE STREET NAME SIGNS SHALL BE PLACED ON THE MAST ARMS PARALLEL TO THE RESPECTIVE ROUTE AS DIRECTED BY THE ENGINEER.

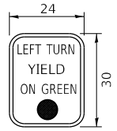
STREET NAME SIGNS:
1. TYPE A SHEETING REQUIRED
2. WHITE/GREEN BACKGROUND
3. STYLE (d) - ⅜ IN. BORDER
4. 8 IN. SERIES D LETTERS
5. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN



10 SQ. FT. EACH
2 REQUIRED

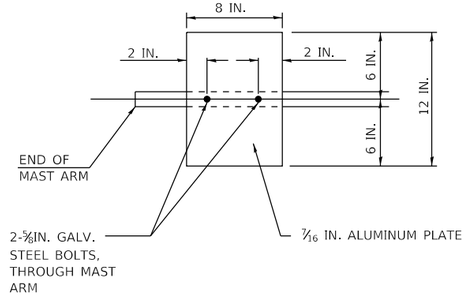


11.25 SQ. FT. EACH
2 REQUIRED



R10-12

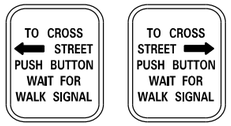
5 SQ. FT. EACH
2 REQUIRED



DAMPENING PLATE DETAIL

(TOP VIEW) INCIDENTAL TO MAST ARM QUANTITY

PEDESTRIAN CROSSING SIGN DETAIL



R10-4a LEFT OR RIGHT

8 REQUIRED

DIMENSIONS: 9 IN. x 12 IN. (TYP.)
LEGEND AND BORDER: NON-REFLECTORIZED BLACK
BACKGROUND: NON-REFLECTORIZED WHITE
ONE SIGN SHALL BE PROVIDED FOR EACH PUSH-BUTTON.
ORIENTATION OF DIRECTIONAL ARROWS TO BE DETERMINED BY PUSH-BUTTON LOCATION.
ALL MOUNTING HARDWARE SHALL BE STAINLESS STEEL CONSTRUCTION. ALL MOUNTING BOLTS SHALL BE HEX HEAD.
MATERIALS AND INSTALLATION OF THIS SIGN SHALL BE INCLUDED IN THE COST OF PEDESTRIAN PUSH-BUTTON.

USER NAME = IDOT Example Roadway Plans	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/14/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM LOADING DIAGRAM, ELECTRICAL LOAD CHART & SIGN DETAILS
IL. 47 (DIVISIONS ST.)/NORTH ST.

SCALE: | SHEET OF SHEETS | STA. 18+00 | TO STA. 24+10

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(111CS) W&RS-2I	GRUNDY	85	44
		CONTRACT NO. 66720		
		ILLINOIS	FED. AID PROJECT	

MODEL: 38 of 50
FILE NAME: IDOT Example Roadway Plans.dgn

ORIENTATION OF LUMINAIRES				
TOWER	STATION	HEIGHT	NO OF LUMIN	ORIENTATION
1	805+41	100'	4	ALL @ 90° TO SENECA RD.
2	834+23	100'	4	ALL @ 90° TO SENECA RD.
3	13+44	45'	4	ALL @ 5° WEST
4	14+68	45'	4	ALL @ 5° EAST
5	23+71	45'	4	ALL @ 5° WEST
6	24+95	45'	4	ALL @ 5° EAST

Rdwy_schedule120 (font FDOT Vert Mono, 0.010")

EXIST. UTILITY POLE

EXIST. SERVICE RACEWAY
REMOVE WIRES & ABANDON CONDUIT

APPROXIMATE LOCATION
OF EXISTING UNIT DUCT

ONE - 4 IN.,
85 FT.

REMOVE EXIST. SERVICE POLE

REMOVE EXIST. LIGHTING CONTROLLER &
CONTROLLER FOUNDATION

NEW SERVICE POLE
INSTALL ELECTRIC SERVICE,
480V, SINGLE PHASE

ONE - 2 IN.,
ONE - 4 IN.,
65 FT.

Rdwy_text120 (font FDOT Vert, 0.010")

REMOVE EXISTING LIGHT TOWER &
SALVAGE LIGHTING UNITS
ABANDON EXISTING FOUNDATION

100 1 STA. 805+41
100' MH, 4-400W HPS

REMOVE EXISTING LIGHT TOWER &
SALVAGE LIGHTING UNITS
ABANDON EXISTING FOUNDATION

100 3 STA. 13+44

SERVICE RACEWAY
2" RIGID METAL CONDUIT
W/3-1/C #6 AWG

STA. 834+23
100' MH, 4-400W HPS 100 2

100 4 STA. 14+68

INSTALL NEW CONTROLLER
TYPE CB-RCS-60, 480V
ON NEW FOUNDATION

ONE - 2 IN.,
135 FT.

ONE - 4 IN.,
65 FT.

REMOVE EXISTING LIGHT TOWER &
SALVAGE LIGHTING UNITS
ABANDON EXISTING FOUNDATION

100 5 STA. 23+71

ONE - 2 IN.,
65 FT.

REMOVE EXISTING LIGHT TOWER &
SALVAGE LIGHTING UNITS
ABANDON EXISTING FOUNDATION

STA. 24+95 100 6

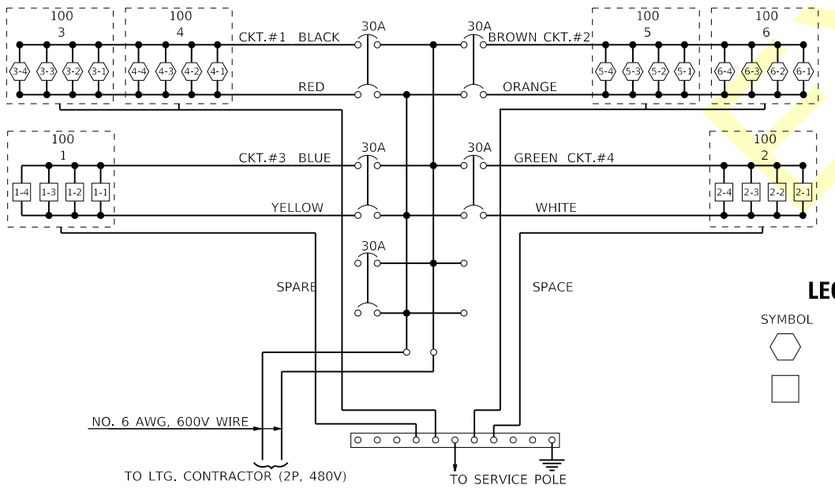
N

LEGEND

Rdwy_title240 (font Swiss_Bold_ Condensed, 0.020")

EXISTING	PROPOSED	
— — —	— — —	UNIT DUCT - 2#8 XLP, 1#8 XLP GROUND IN 3/4" U.D.
		PUSHED CONDUIT, SIZE AND QUANTITY AS INDICATED
		LIGHT TOWER
		LIGHT TOWER
		LIGHTING CONTROLLER
		LIGHT POLE NUMBER

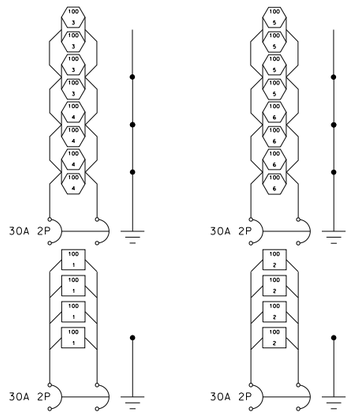
Rdwy_text120 (font FDOT Vert, 0.010")



SCHEMATIC WIRING DIAGRAM

LEGEND

SYMBOL	DESCRIPTION
⬡	250W SV
□	400W SV



LIGHTING CONTROLLER

USER NAME = IDOT Example Roadway Plans	DESIGNED -		REVISED - MJ 01-06-06	
	DRAWN - NMR		REVISED -	
PLOT SCALE = 400.0000 ' / in.	CHECKED - DJL		REVISED -	
PLOT DATE = 8/14/2019	DATE - 10/14/05		REVISED -	

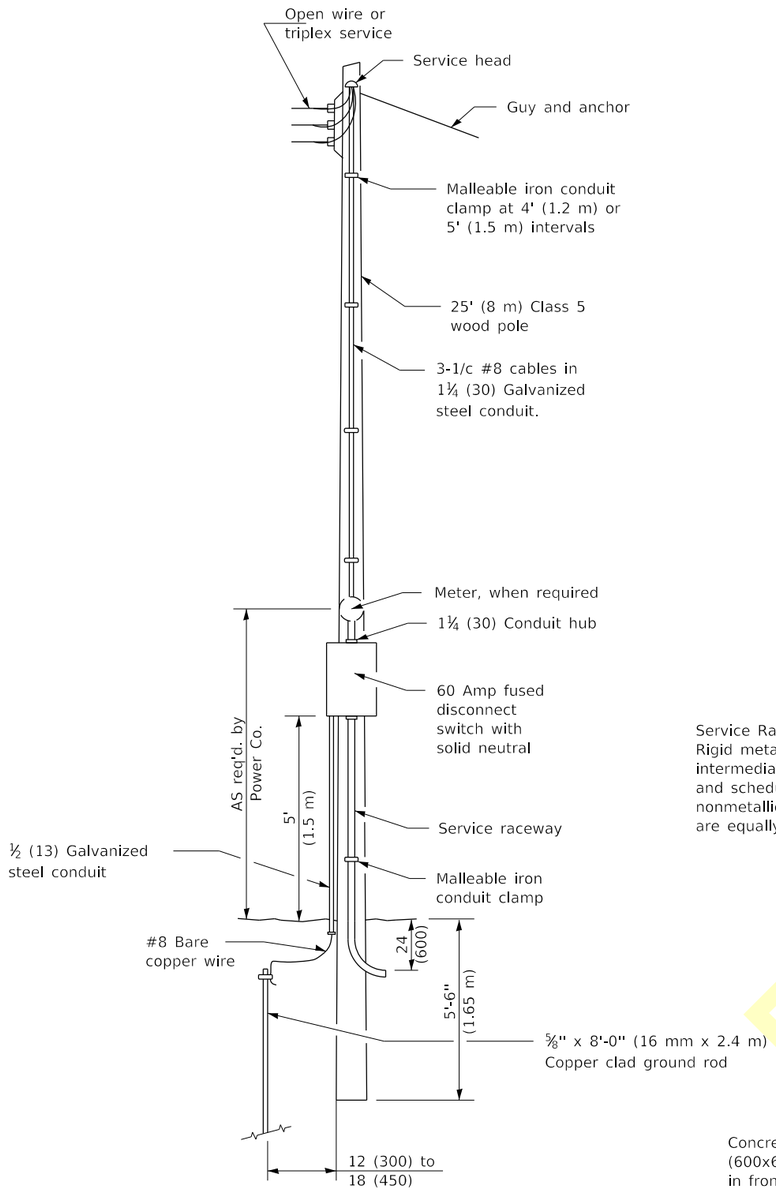
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-80 AT SENECA ROAD (FAP 623)
LIGHTING PLAN

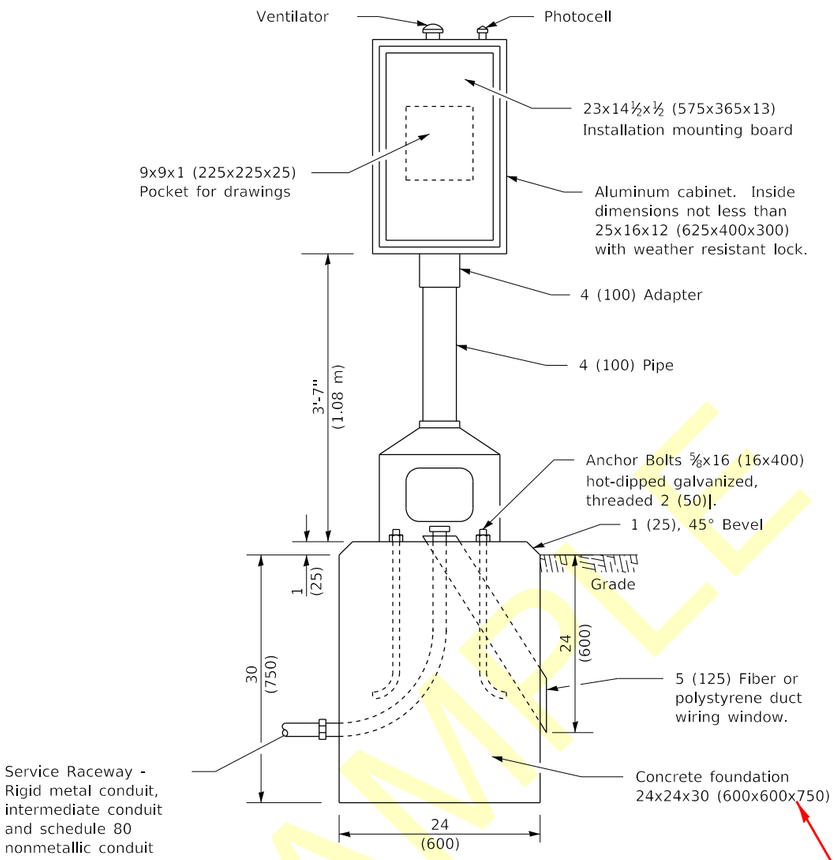
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	82
		CONTRACT NO. 66412		
	ILLINOIS FED. AID PROJECT			

MODEL: 39 of 50
FILE NAME: IDOT Example Roadway Plans.dgn

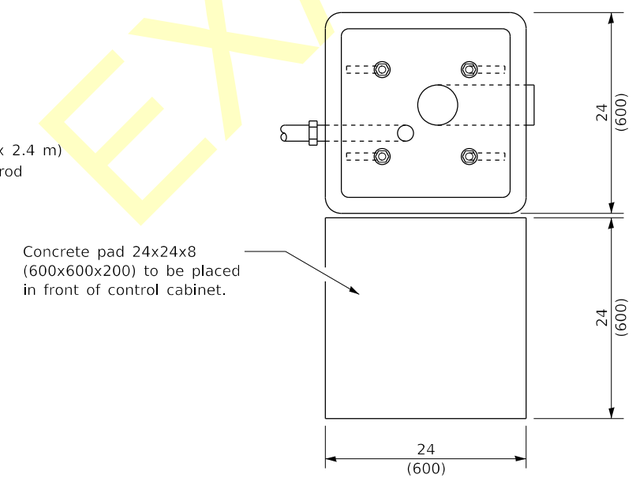


SERVICE POLE



CONTROL INSTALLATION

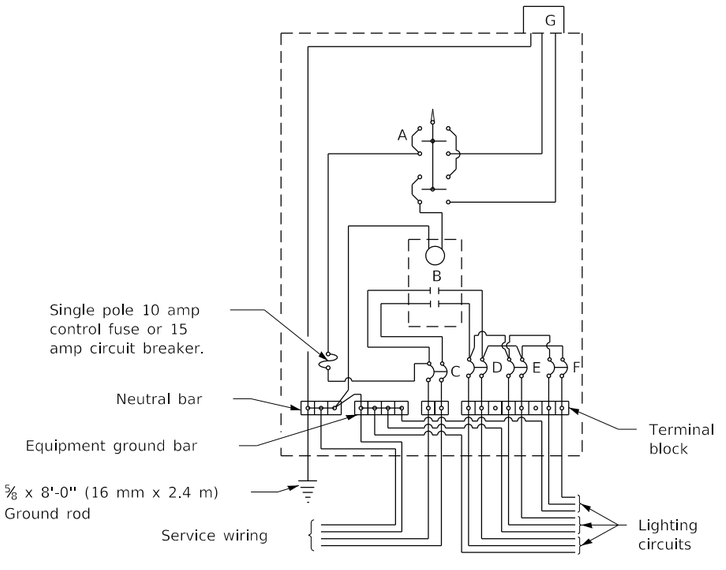
Front View



FOUNDATION

Top View

A	Selector switch
B	2 Pole 60 amp contactor
C	2 Pole 60 amp service disconnect
D,E,F	2 Pole 30 amp breakers
G	Photocell w/integral surge arrester



WIRING DIAGRAM

Rdwy_title240 (font Swiss_Bold_ Condensed, 0.020")

Rdwy_text140 (font FDOT Vert, 0.0117")

LOWER CASE TEXT USED ON DISTRICT STANDARD OR HIGHWAY STANDARD ONLY

☐ 240 V. SERVICE

☒ 480 V. SERVICE

GENERAL NOTES

Locate service pole and control installation adjacent to R.O.W. line with a minimum distance of 30' (9 m) from the edge of pavement. Exact location shall be established by the Engineer.
The underground service entrance wiring shall not exceed 150' (46 m). Total aerial and underground service between the control installation and primary transformer shall not exceed 250' (76 m).
For 480 V. systems, a 480/120 V. control transformer will be required.
Where soil conditions permit, and where approved by the Engineer, a 6" dia. x 5'-0" (150 mm dia. x 1.5 m) long metal screw in foundation may be used in lieu of a concrete foundation.

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

USER NAME = IDOT Example Roadway Plans	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/14/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONTROL INSTALLATION
TYPE CB–RCS–60

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	32-2HBR	GRUNDY	171	83
LGT006.M32		CONTRACT NO. 66412		
	ILLINOIS FED. AID PROJECT			

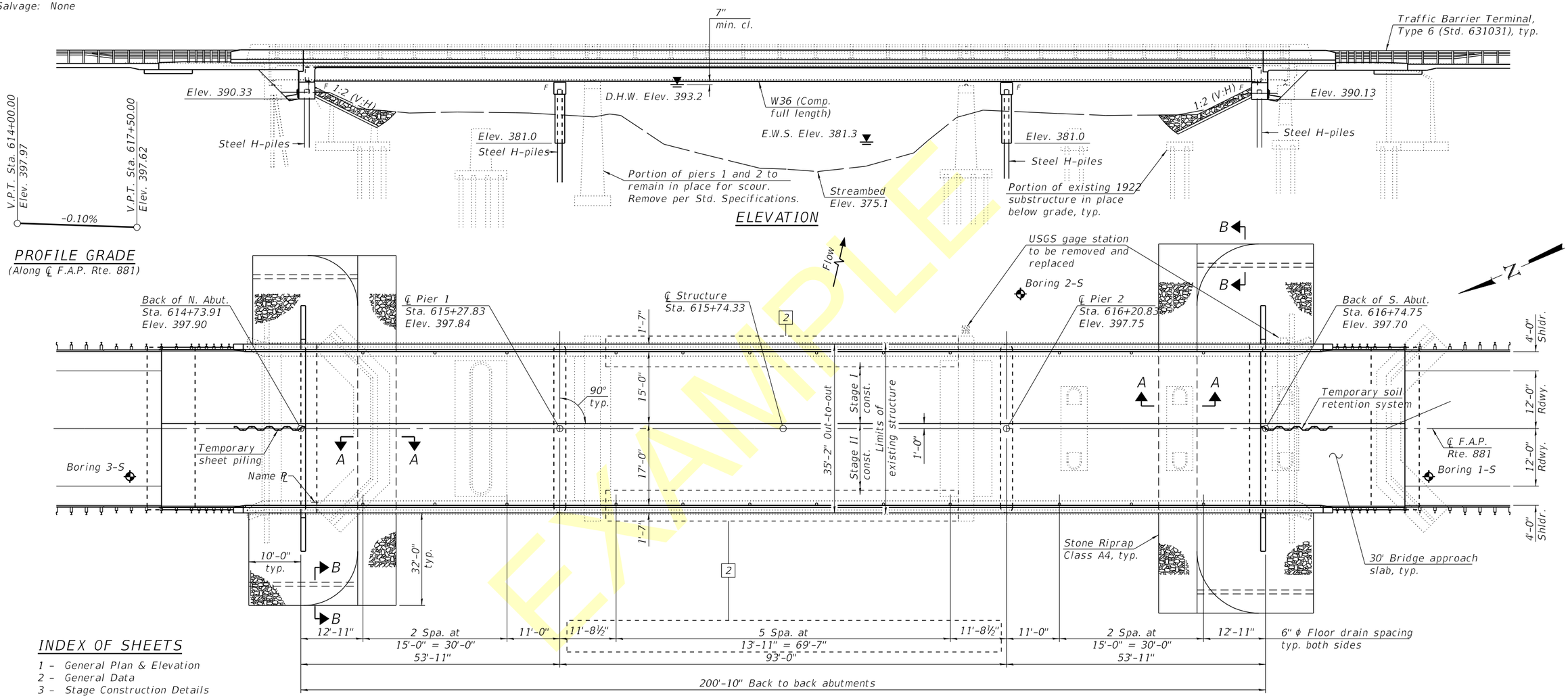
MODEL: 40 of 50
FILE NAME: IDOT Example Roadway Plans.dgn

Bench Mark: USGS monument at NW abut., "1 FWK 1959 398", Elev. 398.14

Existing structure: Structure No. 083-0011, built in 1922 as SBI Route 1, Section 33 B&C at Sta. 615+73.52. The existing structure is a three span non-composite continuous wide flange beam bridge supporting a R.C. deck. The north abutment is a pile bent abutment on steel H piles. The south abutment is a combination of a pile bent abutment on steel piles constructed onto the 1922 existing pier five on spread footing and untreated timber piles. Pier one is a solid wall hammerhead pier on a spread footing. Pier two is a solid wall hammerhead pier on a spread footing and untreated timber piles constructed from the 1922 existing pier 2. Overall length is 214'-5" from back to back abutments. Bridge width is 35'-8" out to out of deck. Existing structure is to be removed and replaced. Traffic will be maintained utilizing stage construction.

Salvage: None

Br1:001scale140 - Callouts, dimensions and notes
Br1:001scale200 - Titles



PLAN

INDEX OF SHEETS

EXPIRES 11-30-2016

DESIGN SPECIFICATIONS

2012 AASHTO LRFD Bridge Design Specifications, 6th Edition

DESIGN STRESSES

FIELD UNITS

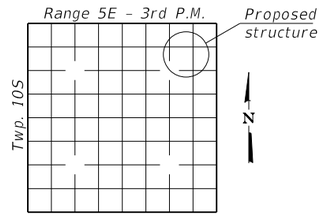
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (M270 Grade 50)

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

SEISMIC DATA

Seismic Performance Zone (SPZ) = 2
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.27 g
Design Spectral Acceleration at 0.2 sec. (S_{DS}) = 0.76 g
Soil Site Class = C



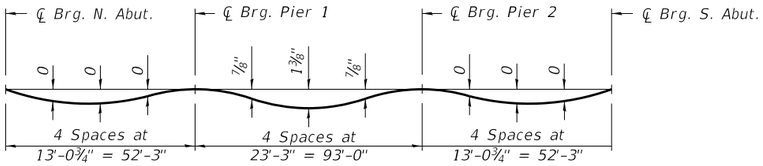
LOCATION SKETCH

GENERAL PLAN AND ELEVATION
U.S. ROUTE 45 OVER SOUTH FORK OF SALINE RIVER
F.A.P. RTE. 881 - SEC. 32B-1
SALINE COUNTY
STATION 615+74.33
STRUCTURE NO. 083-0067

DESIGNED -	EXAMINED	DATE - DECEMBER 7, 2015	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
CHECKED -	ENGINEER OF BRIDGE DESIGN		
DRAWN - MICHAEL B. MOSSMAN	PASSED	REVISED - 2 2-26-2016 G.R.A.	
CHECKED -	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -	SHEET 1 OF 26 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
881	32B-1	SALINE	66	24
		CONTRACT NO. 78083		
	ILLINOIS FED. AID PROJECT			

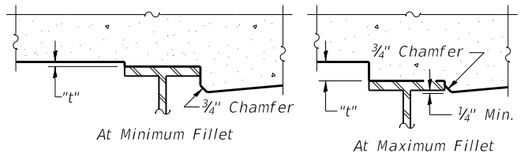
MODEL: 41 of 50
FILE NAME: IDOT_Example_Roadway_Plans.dgn
8/14/2019 7:55:19 AM



DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only.)

Note:
The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown below and on sheet 6 of 26.



To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown below and on sheet 6 of 26, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS

Br1:001scale140 - Callouts, dimensions and notes
Br1:001scale_TOS_Elev - Top of Slab Elevations
Br1:001scale200 - Titles

BEAM 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back N. Abut.	614+73.91	8.75	397.76	397.76
℄ Brg. N. Abut.	614+75.58	8.75	397.76	397.76
C	614+85.58	8.75	397.75	397.75
D	614+95.58	8.75	397.74	397.74
E	615+05.58	8.75	397.73	397.72
F	615+15.58	8.75	397.72	397.71
℄ Brg. Pier 1	615+27.83	8.75	397.71	397.71
G	615+37.83	8.75	397.70	397.73
H	615+47.83	8.75	397.69	397.75
I	615+57.83	8.75	397.68	397.76
J	615+67.83	8.75	397.67	397.77
K	615+77.83	8.75	397.66	397.77
L	615+87.83	8.75	397.65	397.74
M	615+97.83	8.75	397.64	397.71
N	616+07.83	8.75	397.63	397.67
℄ Brg. Pier 2	616+20.83	8.75	397.61	397.61
O	616+30.83	8.75	397.60	397.60
P	616+40.83	8.75	397.59	397.59
Q	616+50.83	8.75	397.58	397.58
R	616+60.83	8.75	397.57	397.57
℄ Brg. S. Abut.	616+73.08	8.75	397.56	397.56
Back S. Abut.	616+74.75	8.75	397.56	397.56

BEAM 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back N. Abut.	614+73.91	14.58	397.65	397.65
℄ Brg. N. Abut.	614+75.58	14.58	397.65	397.65
C	614+85.58	14.58	397.64	397.64
D	614+95.58	14.58	397.63	397.63
E	615+05.58	14.58	397.62	397.62
F	615+15.58	14.58	397.61	397.61
℄ Brg. Pier 1	615+27.83	14.58	397.60	397.60
G	615+37.83	14.58	397.59	397.62
H	615+47.83	14.58	397.58	397.64
I	615+57.83	14.58	397.57	397.66
J	615+67.83	14.58	397.56	397.67
K	615+77.83	14.58	397.55	397.66
L	615+87.83	14.58	397.54	397.63
M	615+97.83	14.58	397.53	397.60
N	616+07.83	14.58	397.52	397.56
℄ Brg. Pier 2	616+20.83	14.58	397.51	397.51
O	616+30.83	14.58	397.50	397.49
P	616+40.83	14.58	397.49	397.48
Q	616+50.83	14.58	397.48	397.48
R	616+60.83	14.58	397.47	397.47
℄ Brg. S. Abut.	616+73.08	14.58	397.46	397.46
Back S. Abut.	616+74.75	14.58	397.45	397.45

Illinois Department of Transportation
Division of Highways
District Nine Materials

SOIL BORING LOG

Page 1 of 2

Date 11/8/07

ROUTE FAP 881 (US 45) DESCRIPTION FAP 881 (US 45) over So Fork Saline River LOGGED BY R. Moberly

SECTION 33 BFY LONGITUDE _____ LATITUDE _____

COUNTY Saline DRILLING METHOD _____ HAMMER TYPE _____

STRUCT. NO. 083-0011
Station 615+73.52

BORING NO. 2-S
Station 616+23.73
Offset 28.00ft E
Ground Surface Elev. 388.8 ft

Surface Water Elev. 378.8 ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter _____ ft
Upon Completion _____ ft
After ____ Hrs. _____ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Medium, moist to very moist, brown, Silt Loam A-4			
	1		
	1	0.6	24
	2	S	
384.30			
-5 Stiff, moist, brown, Silt Loam to Silty Clay Loam A-4	2		
	3	1.5	25
	3	S	
381.80			
Medium, very moist, grey, Silty Clay to Silty Clay Loam A-6	1		
	2	0.5	26
	2	B	
379.30			
-10 Very soft, wet, grey, Silty Clay to Silty Clay Loam A-6	WH		
	WH	0.2	32
	1	B	
376.80			
Soft, very moist, brown mottled Grey, Silty Clay A-6	WH		
	1	0.5	25
	1	B	
374.30			
-15 Medium, very moist, brown mottled grey, Silty Clay to Silty Clay Loam A-6	1		
	2	0.8	26
	2	B	
	1		
	2	0.7	24
	2	B	
369.30			
-20	1		

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Medium, very moist, brown mottled grey, Clay to Silty Clay A-6 (continued)	2	0.8	24
	3	B	
366.30			
Dense, moist, brown and grey, Weathered Sandstone w/ clay layers	2		
	10		
	24		
363.80 -25	10		
Very dense, dry, brown, Sandstone	100/9"		
362.30			
Very dense, dry, grey, Sandstone			
Cored 26.5 to 31.5 feet 100% Recovery, 70% RQD			
-30			
357.30			
Very dense, dry, grey, Sandstone			
Cored 31.5 to 36.5 feet 100% Recovery, 76% RQD			
-35			
352.30			
Very dense, dry, grey, Sandstone			
Cored 36.5 to 41.5 feet 100% Recovery, 77% RQD			
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 11-11)

Illinois Department of Transportation
Division of Highways
District Nine Materials

SOIL BORING LOG

Page 2 of 2

Date 11/8/07

ROUTE FAP 881 (US 45) DESCRIPTION FAP 881 (US 45) over So Fork Saline River LOGGED BY R. Moberly

SECTION 33 BFY LONGITUDE _____ LATITUDE _____

COUNTY Saline DRILLING METHOD _____ HAMMER TYPE _____

STRUCT. NO. 083-0011
Station 615+73.52

BORING NO. 2-S
Station 616+23.73
Offset 28.00ft E
Ground Surface Elev. 388.8 ft

Surface Water Elev. 378.8 ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter _____ ft
Upon Completion _____ ft
After ____ Hrs. _____ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
347.30			
Bottom of hole=41.5 feet			
No free water observed			
Elevation referenced to USGS 1 FWK; Elevation = 398.1 feet			
-45 To convert "N" values to "N60" values, multiply by 1.25.			
-50			
-55			
-60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 11-11)

Illinois Department of Transportation
Division of Highways
District Nine Materials

SOIL BORING LOG

Page 1 of 1

Date 11/7/07

ROUTE FAP 881 (US 45) DESCRIPTION FAP 881 (US 45) over So Fork Saline River LOGGED BY R. Moberly

SECTION 33 BFY LONGITUDE _____ LATITUDE _____

COUNTY Saline DRILLING METHOD _____ HAMMER TYPE _____

STRUCT. NO. 083-0011
Station 615+73.52

BORING NO. 3-S
Station 614+38.32
Offset 10.00ft W
Ground Surface Elev. 397.5 ft

Surface Water Elev. 378.8 ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter _____ ft
Upon Completion _____ ft
After ____ Hrs. _____ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Asphalt and Concrete			
395.00			
Stiff, moist, brown, Silty Clay Loam A-4	2		
	2	1.1	16
		B	
393.00			
-5 Stiff, moist to very moist, brown, Silty Clay Loam A-6	1		
	3	1.2	22
	2	B	
390.50			
Medium, very moist, grey mottled brown, Silty Clay to Silty Clay Loam A-6	1		
	2	0.8	24
	3	B	
388.00			
-10 Soft, very moist, grey mottled brown, Silty Clay to Silty Clay Loam A-6	1		
	1	0.3	26
	1	B	
385.50			
Stiff, very moist, brown mottled grey, Silty Clay Loam A-6	1		
	3	1.2	24
	3	S	
383.00			
-15 Medium, moist to very moist, brown, Silty Clay A-6	1		
	3	0.7	21
	3	B	
380.50			
Medium, moist, brown, Clay Loam to Silty Clay Loam A-6	1		
	4	0.9	19
379.00	10	B	
Medium, moist, brown, Weathered Sandstone			
377.50 -20	9		

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very dense, damp, brown, Sandstone with clay layers	100/5"		
Cored 20.4 to 25.4 feet 40% Recovery, 22% RQD			
-25 372.00			
Very dense, dry, brown, Sandstone and Clay Shale with clay layers			
Cored 25.4 to 30.4 feet 40% Recovery, 7% RQD			
-30 367.00			
Very dense, dry, grey, Sandstone			
Cored 30.4 to 35.4 feet 100% Recovery, 63% RQD			
-35 362.00			
Bottom of hole = 35.4 feet			
No free water observed			
Elevation referenced to USGS 1FWK; Elevation = 398.1 feet			
To convert "N" values to "N60" values, multiply by 1.25. -40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 11-11)

Br1:001scale_boring
Note that this text style is set up for the letter sized reports from gINT. For the design plans, after generating the logs in Microstation and applying the text style settings, we then scale the logs 1.22x for legibility (0.11/0.09). The text height then becomes 0.11".

DESIGNED - JOSHUA M. ODORIZZI	EXAMINED		DATE - DECEMBER 7, 2015	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**		F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - IRENE PANTOJA		ENGINEER OF BRIDGE DESIGN				881	32B-1	SALINE	66	49
DRAWN - MICHAEL B. MOSSMAN	PASSED		REVISED -					CONTRACT NO. 78083		
CHECKED - J.M.O. / I.P. / G.R.A.		ENGINEER OF BRIDGES AND STRUCTURES	REVISED -		SHEET 26 OF 26 SHEETS			ILLINOIS FED. AID PROJECT		

MODEL: 43 of 50
FILE NAME: IDOT_Example_Roadway_Plans.dgn
8/14/2019 7:55:21 AM

District and Miscellaneous Details Sheet

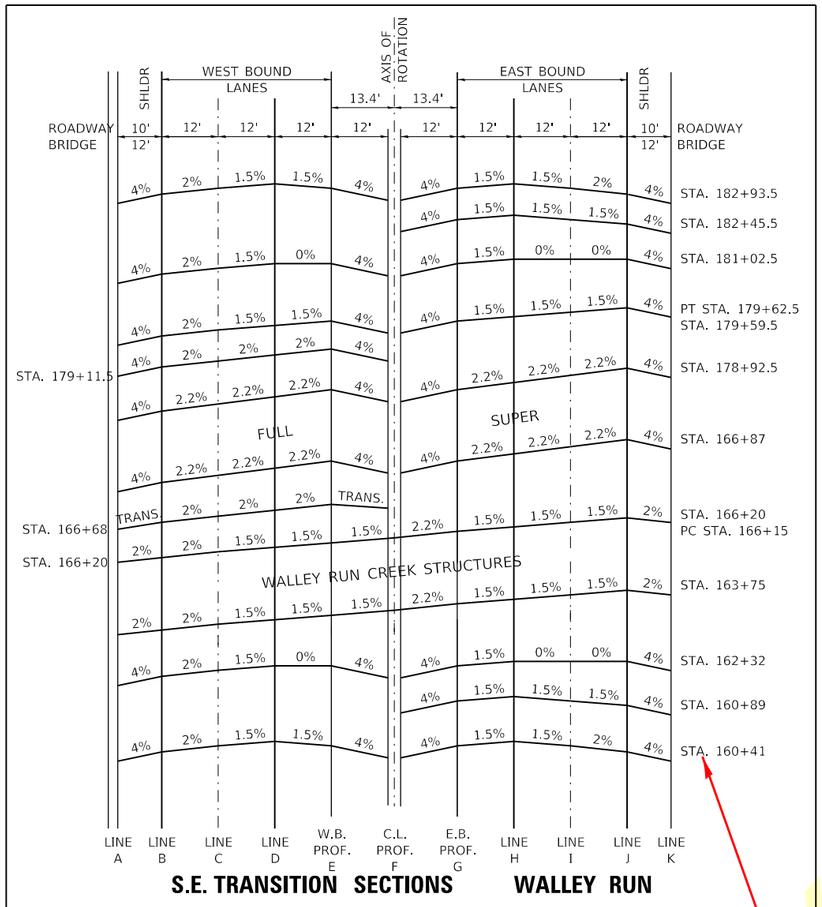
Where necessary, the following details may be included:

Special drainage details that are not covered in the IDOT Highway Standards or on the drainage plan and profile sheets
Field tile details
Earthwork details for interchanges requiring significant earthwork
Signing plans
Superelevation transition diagrams
Railroad crossing details
District CADD details
Butt joint details
Transition details where there is a change in the roadway surface or base course width. These details should include:
- beginning and ending stations,
- distances and direction from the centerline, and
- all necessary curve data

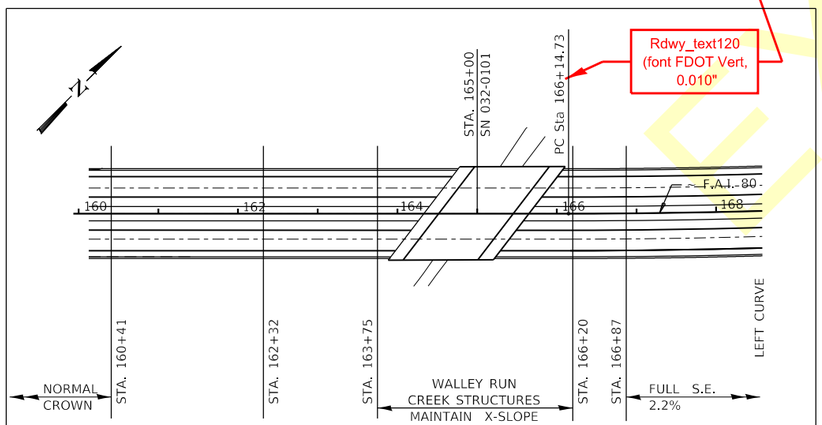
Transition details where there is a change in roadway material's depth
Any special designs not covered in the IDOT Highway Standards or elsewhere in the plans

Place description of sheet here

Information is same as cover sheet



S.E. TRANSITION SECTIONS WALLEY RUN



WALLEY RUN S.E. TRANSITION PLAN

P.I. STA. 172+90.00
! = 8° 58' 45.6"
T = 675.27'
R = 8600'
L = 1347.78'
P.C. STA. 166+14.73
P.T. STA. 179+62.51
S.E. = 022 '/'

Rdwy_schedule120 (font FDOT Vert Mono, 0.010"

SUPERELEVATION TRANSITIONS

STATION	SHLD WIDTH	ELEVATIONS AT LOCATIONS A	B	C	D	E	F	G	H	I	J	K	SHLD WIDTH
160+00.0	10	186.10	186.50	186.74	186.92	186.74	186.20	186.74	186.92	186.74	186.50	186.10	10
160+25.0	10	186.15	186.55	186.79	186.97	186.79	186.25	186.79	186.97	186.79	186.55	186.15	10
160+41.0	10	186.18	186.58	186.82	187.00	186.82	186.28	186.82	187.00	186.82	186.58	186.18	10
160+50.0	10	186.20	186.60	186.84	187.02	186.84	186.30	186.84	187.02	186.84	186.61	186.21	10
160+75.0	10	186.25	186.65	186.89	187.07	186.89	186.35	186.89	187.07	186.89	186.69	186.29	10
160+89.0	10	186.27	186.67	186.91	187.09	186.91	186.38	186.91	187.09	186.91	186.73	186.33	10
161+00.0	10	186.28	186.68	186.92	187.10	186.94	186.40	186.94	187.12	186.95	186.78	186.38	10
161+25.0	10	186.30	186.70	186.94	187.12	186.99	186.45	186.99	187.17	187.03	186.90	186.50	10
161+50.0	10	186.32	186.72	186.96	187.14	187.04	186.50	187.04	187.22	187.11	187.01	186.61	10
161+75.0	10	186.34	186.74	186.98	187.16	187.09	186.55	187.09	187.27	187.19	187.12	186.72	10
162+00.0	10	186.36	186.76	187.00	187.18	187.14	186.60	187.14	187.32	187.28	187.24	186.84	10
162+25.0	10	186.37	186.77	187.01	187.19	187.19	186.65	187.19	187.37	187.36	187.35	186.95	10
162+32.0	10	186.38	186.78	187.02	187.20	187.20	186.66	187.20	187.38	187.38	187.38	186.98	10
162+50.0	10	186.33	186.70	186.94	187.12	187.14	186.70	187.21	187.39	187.41	187.43	187.06	10
162+75.0	10	186.20	186.53	186.77	186.95	187.00	186.75	187.19	187.37	187.43	187.48	187.16	10
163+00.0	10	186.07	186.33	186.57	186.75	186.84	186.80	187.17	187.35	187.44	187.52	187.26	10
163+25.0	10	185.97	186.19	186.43	186.61	186.73	186.85	187.17	187.35	187.47	187.59	187.36	10
163+50.0	10	185.94	186.14	186.38	186.56	186.71	186.90	187.20	187.38	187.53	187.68	187.47	10
163+75.0	10	185.95	186.15	186.39	186.57	186.75	186.95	187.24	187.42	187.60	187.78	187.58	10
164+00.0	10	186.00	186.20	186.44	186.62	186.80	187.00	187.29	187.47	187.65	187.83	187.59	12
164+25.0	10	186.05	186.25	186.49	186.67	186.85	187.05	187.34	187.52	187.70	187.88	187.64	12
164+50.0	10	186.10	186.30	186.54	186.72	186.90	187.10	187.39	187.57	187.75	187.93	187.69	12
164+75.0	12	186.11	186.35	186.59	186.77	186.95	187.15	187.44	187.62	187.80	187.98	187.74	12
165+00.0	12	186.16	186.40	186.64	186.82	187.00	187.20	187.49	187.67	187.85	188.03	187.79	12
165+25.0	12	186.21	186.45	186.69	186.87	187.05	187.25	187.54	187.72	187.90	188.08	187.84	12
165+50.0	12	186.26	186.50	186.74	186.92	187.10	187.30	187.59	187.77	187.95	188.13	187.93	10
165+75.0	12	186.31	186.55	186.79	186.97	187.15	187.35	187.64	187.82	188.00	188.18	187.98	10
166+00.0	12	186.36	186.60	186.84	187.02	187.20	187.40	187.69	187.87	188.05	188.23	188.03	10
166+15.0	12	186.39	186.63	186.87	187.05	187.23	187.43	187.72	187.90	188.08	188.26	188.06	10
166+20.0	12	186.40	186.64	186.88	187.06	187.24	187.44	187.73	187.91	188.09	188.27	188.07	10
166+25.0	10	186.48	186.69	186.93	187.12	187.30	187.45	187.76	187.95	188.14	188.32	188.11	10
166+50.0	10	186.66	186.95	187.19	187.41	187.63	187.50	187.90	188.12	188.34	188.56	188.27	10
166+68.0	10	186.80	187.14	187.38	187.62	187.86	187.54	188.00	188.24	188.48	188.72	188.38	10
166+75.0	10	186.84	187.21	187.46	187.71	187.95	187.55	188.04	188.29	188.54	188.79	188.43	10
166+87.0	10	186.92	187.32	187.58	187.85	188.11	187.57	188.11	188.37	188.64	188.90	188.50	10
167+00.0	10	186.94	187.34	187.61	187.87	188.14	187.60	188.14	188.40	188.66	188.93	188.53	10
FULL SUPER													
178+50.0	10	189.24	189.64	189.91	190.17	190.44	189.90	190.44	190.70	190.96	191.23	190.83	10
178+75.0	10	189.29	189.69	189.96	190.22	190.49	189.95	190.49	190.75	191.01	191.28	190.88	10
178+92.5	10	189.33	189.73	189.99	190.26	190.52	189.99	190.52	190.79	191.05	191.31	190.91	10
179+00.0	10	189.37	189.77	190.03	190.28	190.54	190.00	190.54	190.79	191.05	191.30	190.90	10
179+11.5	10	189.44	189.84	190.08	190.32	190.56	190.02	190.56	190.80	191.04	191.28	190.88	10
179+25.0	10	189.50	189.90	190.14	190.36	190.59	190.05	190.59	190.81	191.03	191.26	190.86	10
179+50.0	10	189.61	190.01	190.25	190.44	190.64	190.10	190.64	190.83	191.02	191.21	190.81	10
179+59.5	10	189.66	190.06	190.30	190.48	190.66	190.12	190.66	190.84	191.02	191.20	190.80	10
179+62.5	10	189.66	190.06	190.30	190.48	190.66	190.13	190.66	190.84	191.02	191.19	190.79	10
179+75.0	10	189.71	190.11	190.35	190.53	190.69	190.15	190.69	190.87	191.03	191.19	190.79	10
180+00.0	10	189.79	190.19	190.43	190.61	190.74	190.20	190.74	190.92	191.04	191.17	190.77	10
180+25.0	10	189.87	190.27	190.51	190.69	190.79	190.25	190.79	190.97	191.06	191.16	190.76	10
180+50.0	10	189.95	190.35	190.59	190.77	190.84	190.30	190.84	191.02	191.08	191.15	190.75	10
180+75.0	10	190.03	190.43	190.67	190.85	190.89	190.35	190.89	191.07	191.10	191.14	190.74	10
181+00.0	10	190.11	190.51	190.75	190.93	190.94	190.40	190.94	191.12	191.12	191.12	190.72	10
181+02.5	10	190.12	190.52	190.76	190.94	190.94	190.41	190.94	191.12	191.12	191.12	190.72	10
181+25.0	10	190.19	190.59	190.83	191.01	190.99	190.45	190.99	191.17	191.14	191.11	190.71	10
181+50.0	10	190.28	190.68	190.92	191.10	191.04	190.50	191.04	191.22	191.16	191.10	190.70	10
181+75.0	10	190.36	190.76	191.00	191.18	191.09	190.55	191.09	191.27	191.17	191.08	190.68	10
182+00.0	10	190.44	190.84	191.08	191.26	191.14	190.60	191.14	191.32	191.19	191.07	190.67	10
182+25.0	10	190.52	190.92	191.16	191.34	191.19	190.65	191.19	191.37	191.21	191.06	190.66	10
182+45.5	10	190.59	190.99	191.23	191.41	191.23	190.69	191.23	191.41	191.23	191.05	190.65	10
182+50.0	10	190.60	191.00	191.24	191.42	191.24	190.70	191.24	191.42	191.23	191.05	190.65	10
182+75.0	10	190.65	191.05	191.29	191.47	191.29	190.75	191.29	191.47	191.29	191.07	190.67	10
182+93.5	10	190.68	191.08	191.32	191.50	191.32	190.79	191.32	191.50	191.32	191.08	190.68	10
183+00.0	10	190.70	191.10	191.34	191.52	191.34	190.80	191.34	191.52	191.34	191.10	190.70	10

Rdwy_text120 (font FDOT Vert, 0.010"

Rdwy_title240 (font Swiss_Bold_ Condensed, 0.020")

USER NAME = IDOT Example Roadway Plans	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/14/2019	DATE -	REVISED -

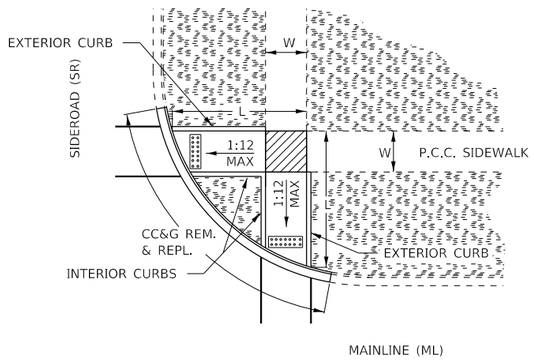
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

S.E. TRANSITION SECTIONS AT WALLEY RUN

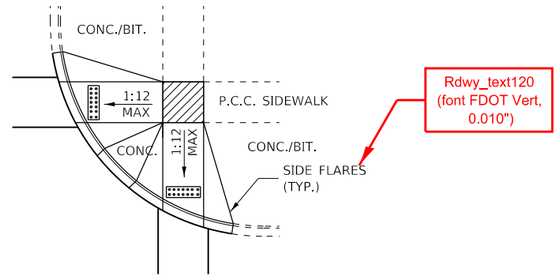
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(32,47-4)R,BR,BR-1,2	GRUNDY	126	95
		CONTRACT NO. 66617		
	ILLINOIS FED. AID PROJECT			

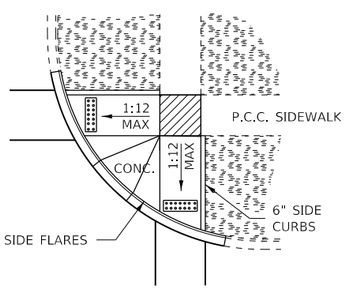
MODEL: 45 of 50
FILE NAME: IDOT Example Roadway Plans.dgn

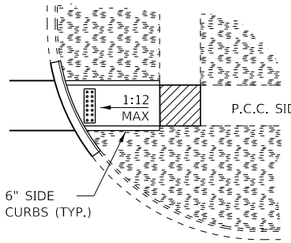


ADA SIDEWALK ACCESSIBILITY RAMPS METHOD 1



Rdwy_text120
(font FDOT Vert,
0.010")

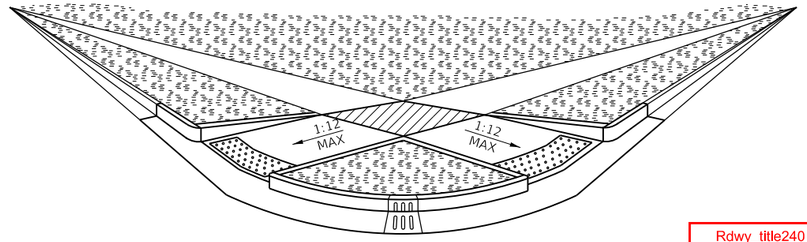




TYPICAL CURB APPLICATIONS FOR METHOD 1

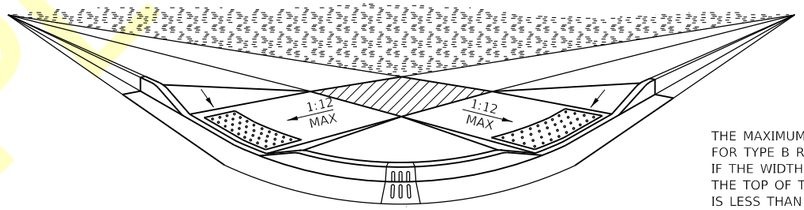
LEGEND

- PLANTING OR OTHER NON-WALKING SURFACE
- SLOPE = 2% MAX.
- DETECTABLE WARNING



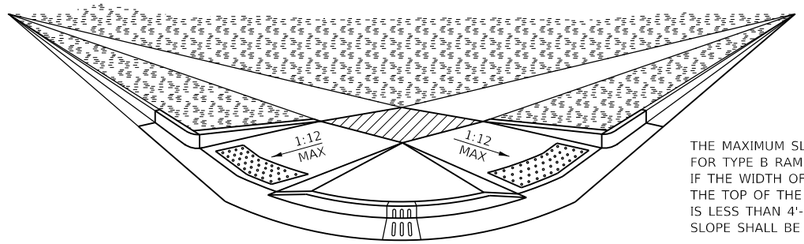
Rdwy_title240
(font Swiss_Bold_
Condensed,
0.020")

ADA SIDEWALK ACCESSIBILITY RAMPS METHOD 1 PERSPECTIVE WITH SIDE CURBS



THE MAXIMUM SLOPE OF THE SIDE FLARE FOR TYPE B RAMPS SHALL BE 1:10; HOWEVER, IF THE WIDTH OF THE LANDING AREA BETWEEN THE TOP OF THE RAMP AND AN OBSTRUCTION IS LESS THAN 4'-0" THEN THE MAXIMUM SLOPE SHALL BE 1:12.

ADA SIDEWALK ACCESSIBILITY RAMPS METHOD 1 PERSPECTIVE WITH SIDE FLARES



THE MAXIMUM SLOPE OF THE SIDE FLARE FOR TYPE B RAMPS SHALL BE 1:10; HOWEVER, IF THE WIDTH OF THE LANDING AREA BETWEEN THE TOP OF THE RAMP AND AN OBSTRUCTION IS LESS THAN 4'-0" THEN THE MAXIMUM SLOPE SHALL BE 1:12.

ADA SIDEWALK ACCESSIBILITY RAMPS METHOD 1 PERSPECTIVE WITH SIDE CURBS AND SIDE FLARES

MODEL: 46 of 50
FILE NAME: IDOT Example Roadway Plans.dgn

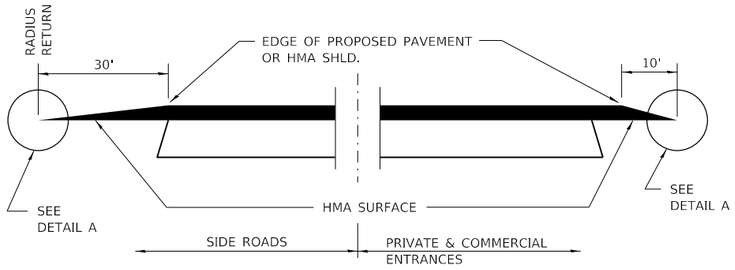
USER NAME = IDOT Example Roadway Plans	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/14/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

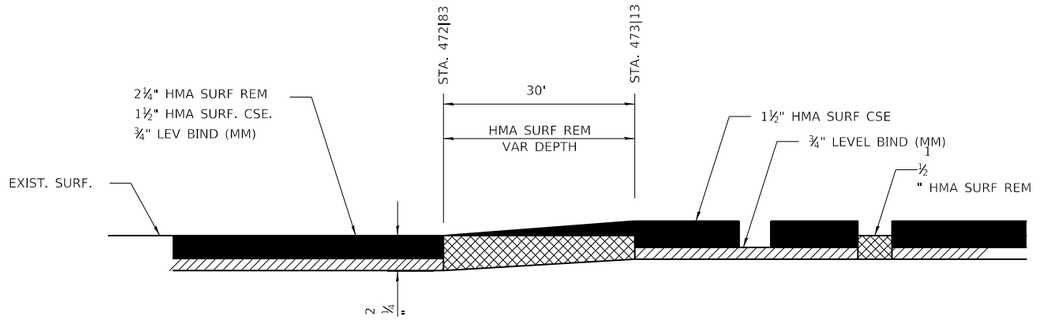
DETAILS

SCALE: | SHEET OF SHEETS | STA. | TO STA.

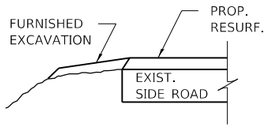
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(34)R,DM & (X-1)RS&BR	LASALLE	126	104
		CONTRACT NO. 66617		
	ILLINOIS FED. AID PROJECT			



SECTION A–A
DETAILS AT ENTRANCES & SIDE ROADS

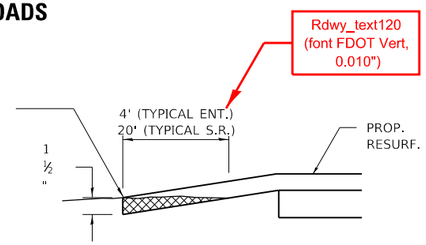


MILLING AND RESURFACING TAPER



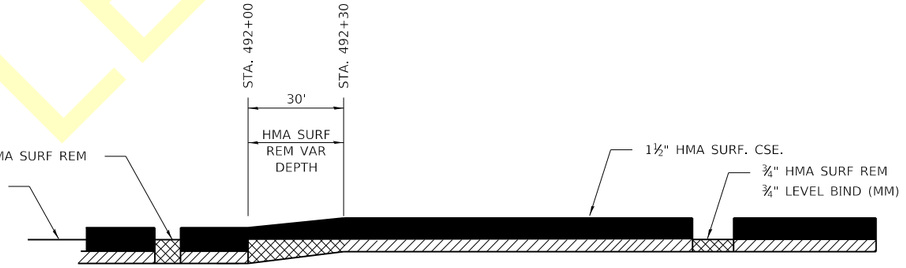
SECTION B–B

THE COST OF REMOVAL AT EXISTING HMA OR P.C.C. LOCATIONS SHALL BE PAID FOR PER SQ. YD. BY THE APPROPRIATE PAY ITEM. REMOVAL AT THE EXISTING AGG. LOCATIONS SHALL BE INCIDENTAL TO THE HMA. A-3 LOCATIONS SHALL BE FEATHER TAPERED.

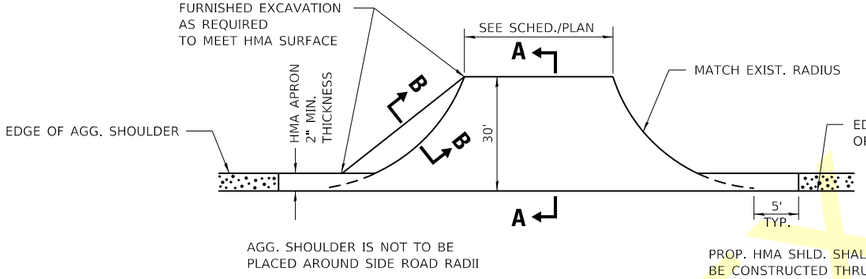


DETAIL A

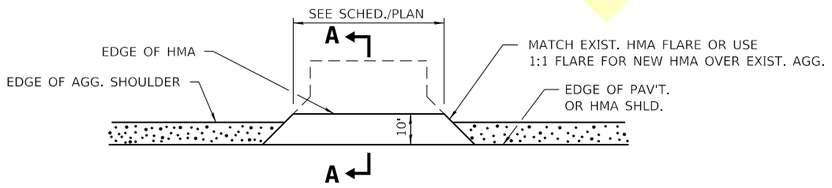
Rdwy_title240 (font Swiss_Bold_ Condensed, 0.020")



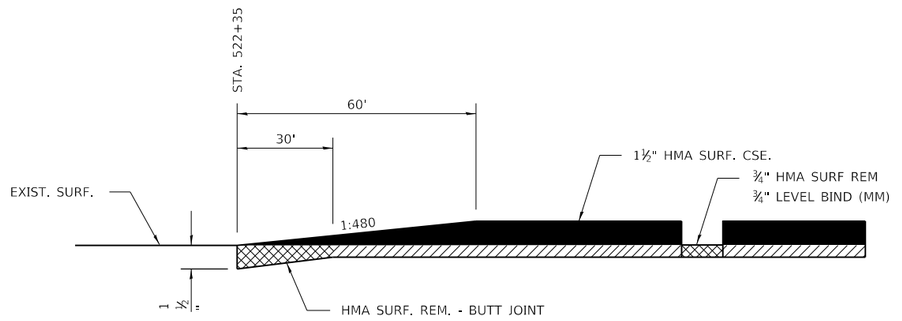
MILLING AND RESURFACING TAPER



PLAN AT SIDE ROADS



PLAN AT PRIVATE & COMMERCIAL ENTRANCES
(DO NOT RESURFACE FIELD ENTRANCES)



HMA SURF REM – BUTT JOINT
END OF IMPROVEMENT

MODEL: 47 of 50
FILE NAME: IDOT Example Roadway Plans.dgn

USER NAME = IDOT Example Roadway Plans	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/14/2019	DATE -	REVISED -	

DETAILS

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	(15R)RS-5	*	25	21
		CONTRACT NO. 66682		
		ILLINOIS FED. AID PROJECT		

*DEKALB & KENDALL

Cross Section Sheets

Some guidelines for cross sections are:

1. Plot rural cross sections at 100 ft intervals and urban cross sections at 50 ft intervals.
2. Plot intermediate cross sections at all major grade breaks, pipe crossings, side streets,entrances, guardrail terminals, and other locations as necessary.
3. Ensure the spacings between cross sections do not overlap.
4. The mainline cross sections are placed first, by increasing stations, from the bottom of the sheet to top of the sheet. Provide the cross sections for other facilities after the mainline cross section in the order they appear along the mainline.
5. Note the stations of the cross section shown on the bottom of the sheet. Also note the name of the facility to which the cross sections apply.
6. Use a horizontal scale of 1 in = 5 ft or 1 in = 10 ft. The vertical scale is a 2:1 proportion of the horizontal scale. Show at least two elevation lines for each cross section.
7. Plot the existing cross section using a light, dashed line and show the existing:
   ground line,
   pavement structure,
   drainage structures,
   major utilities,
   all affected structures,
   existing and proposed right-of-way and easement lines, and
   bodies of water near the right-of-way limits.
8. Plot the proposed cross section using a dark, solid line and show:
   centerline (and the profile grade line, if different),
   proposed pavement structure,
   all side road and entrances,
   curb and gutter,
   sidewalk locations and depth,
   proposed side slopes,
   special fill materials,
   all new drainage structures, nclude the following:
      centerline station,
      distance and direction from centerline,
      description and size of structure,
      top and flow line elevations,
   all underground utilities,
   special ditch elevations and drainage direction,
   proposed right-of-way and easement lines, and
   any other special features.
9. Provide the proposed centerline pavement surface elevation vertically on each cross section.
10. Label the side slope on the first and last cross section of each sheet and where there are changes in the slope. Show the side slope using a vertical to horizontal ratio, e.g., 1V:3H.
11. Show the end area cut and fill amounts, in square feet, below each cross section.
12. Show all undercutting for subgrade and unsuitable material.
13. Show all earthwork for temporary pavements.
14. Provide separate cross sections for all approaches including side roads and entrances, and note the approach type, direction from centerline, and station next to the cross section

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

MODEL: 1 of 50
FILE NAME: IDOT Example Roadway Plans.dgn

USER NAME = IDOT Example Roadway Plans	DESIGNED - _____	REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN - _____	REVISED - _____	
PLOT SCALE = 40.0000 ' / in.	CHECKED - _____	REVISED - _____	
PLOT DATE = 8/14/2019	DATE - _____	REVISED - _____	

Place description of sheet here

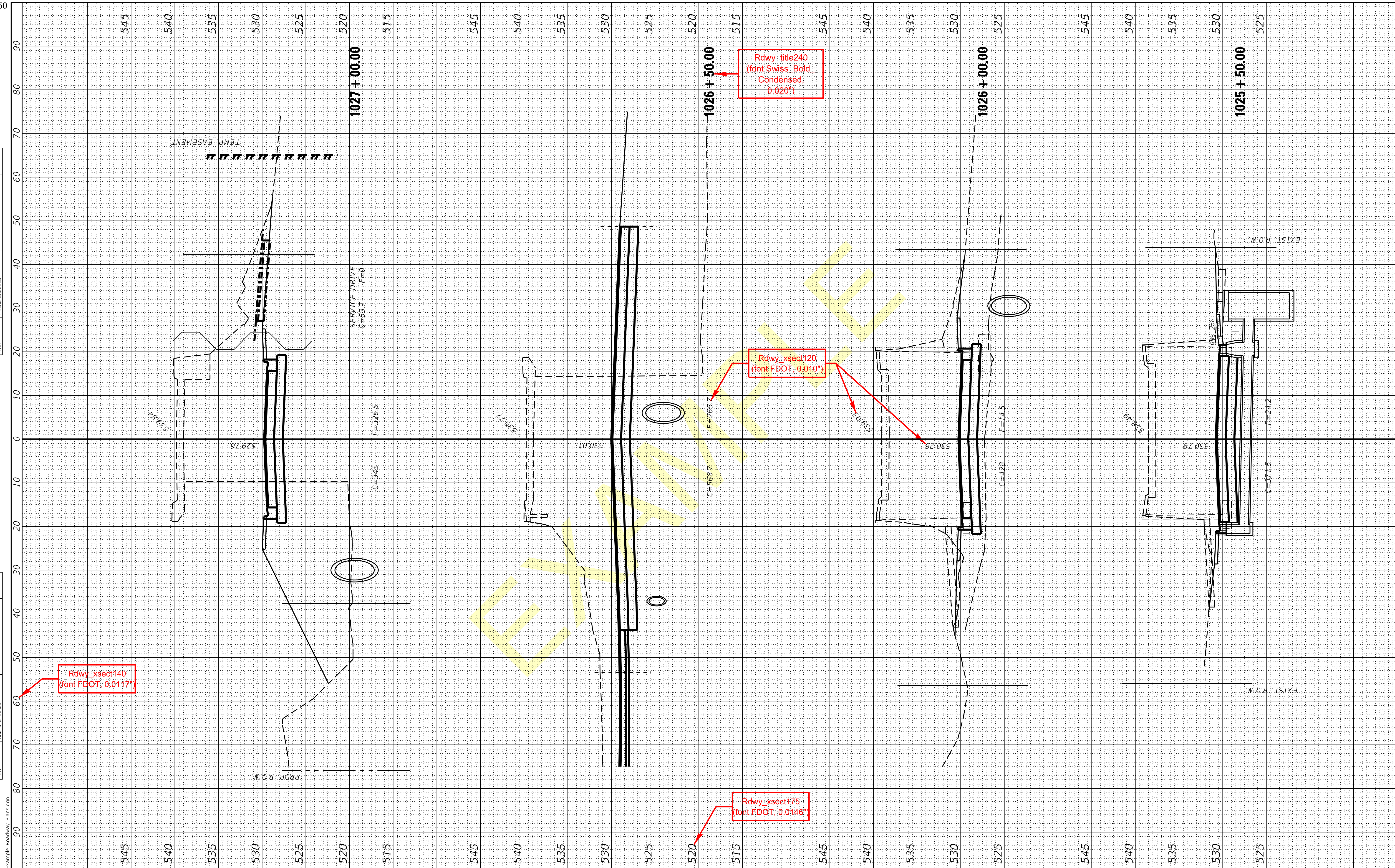
_____
_____
SCALE: _____ | SHEET __ OF __ SHEETS | STA. _____ TO STA. _____

Information is same as cover sheet

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
___	_____	_____	___	___

CONTRACT NO. ____

ILLINOIS | FED. AID PROJECT



FINAL SURVEY: NOTE BOOK NO. / SURVEYED / PLOTTED / TEMPLATE / AREAS / AREAS CHECKED / BY / DATE

ORIGINAL SURVEY: NOTE BOOK NO. / SURVEYED / PLOTTED / TEMPLATE / AREAS / AREAS CHECKED / BY / DATE

MODEL: 49 of 50
FILE NAME: IDOT_Example_Roadway_Plans.dgn

USER NAME = IDOT Example Roadway Plans	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 8/14/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 6 CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. 1025+50 TO STA. 1027+00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
623	(34)R,DM&(X-1)RS&BR	LASALLE	126	113

CONTRACT NO. 66617

ILLINOIS FED. AID PROJECT

Highway Standards Sheets

The IDOT Highway Standards will be the last sheets added to the project. The Bureau of Design and Environment will be responsible for adding these sheets to the plans. The sheets added will be based on the listing provided in the Index of Sheets.