CITY OF BLOOMINGTON DOWNTOWN STREET MAINTENANCE PROJECT

871 ft

PART 01 of 02	
COLLEGE AVE PLAN SHEETS	Pg. 2-4
WALNUT STREET PLAN SHEETS	Pg. 5-7
COLLEGE AVE CURB RAMP DETAILS	Pg. 8-13
 WALNUT STREET CURB RAMP DETAILS 	Pg. 14-21
4TH STREET PLAN SHEETS	Pg. 22-24
• 6TH STREET PLAN SHEETS/PAVEMENT MARKINGS	Pg. 25-27
 4TH STREET CURB RAMP DETAILS 	Pg. 28-36
PROJECT DETAILS	Pg. 37-38
PART 02 of 02	
 COLLEGE AVE PAVEMENT MARKINGS 	Pg. 39-41
 WALNUT STREET PAVEMENT MARKINGS 	Pg. 42-44
 4TH STREET PAVEMENT MARKINGS 	Pg. 44-47
 COLLEGE AVE & WALNUT STREET MOT PLANS 	Pg. 48-53
4TH STREET MOT PLANS	Pg. 53-64
 PROJECT WIDE MOT DETAILS 	Pg. 65

PLAN SHEET INDEX:

4 = 82 5		1
W.Cotta	ge.Grove Ave	2
Witomst	COLLEGE AVE RES PROJECT LOCATIO	SL DI
ina Rail Road C	D Butler Park	
With	COLLEGE AVE RES PAVING EXCEPTIO	3L)P
n nin u	an I a sin mblos a	
and Standard	N Elm St. Waldron S	rapie at
4TH STREE PROJECT LC	T RESURFACING:	
27		1 10.0 10
e Hill etery	W 4th St	o Dideini o
SWa	avisson St S Buckner St Ave	1 100 10 0 10 1

ROUTES:

COLLEGE AVE FROM 4TH STREET TO 11TH STREET - PAVING EXCEPTION @ 7TH STREET WALNUT STREET FROM 3RD STREET TO SOUTH OF 11TH STREET - PAVING EXCEPTION @ 7TH STREET 6TH STREET FROM WALNUT STREET TO WEST OF INDIANA AVE - PAVING EXCEPTION @ LINCOLN STREET 4TH STREET FROM MADISON STREET TO INDIANA AVE - PAVING EXCEPTION: LINCOLN STREET TO GRANT STREET

VARIOUS LOCATIONS, BLOOMINGTON TOWNSHIP, MONROE COUNTY, INDIANA MILLING, HMA PAVEMENT, SIDEWALK, CURB RAMP AND PAVEMENT MARKING REPLACEMENT.



CITY OF BLOOMINGTON MONROE COUNTY INDIANA



DATA		
TRAFFIC DATA XXX(ROAD NAME)		
AADT (2021)		
AADT (2041 PROJECTION)		
DHV (2041 PROJECTED)		
DIRECTIONAL DISTRIBUTION		
AADT (2021)		
DESIGN DATA	XXX(ROAD NAME)	
DESIGN SPEED	XXX MPH	
PROJECTED DESIGN CRITERIA	PEDESTRIAN	
FUNCTIONAL CLASSIFICATION	XXXX	
RURAL/URABN	URBAN	
TERRAIN	XXXX	
ACCESS CONTROL	NA	

GENERAL NOTES:

Pavement Patch, item "P", shall follow Asphalt Surface Street Cut Repair detail. Flowable fill is not required when there is no trench. Hot Poured Joint Adhesive (S906, a, 5) in joints between new asphalt and old asphalt, curb faces, gutter faces and concrete edges. "P" locations are not specified in all locations on plan sheets. "P" shall be 12" width when used adjacent to new "13", "15", and CR, installation.

Contractor shall minimize disruption to adjacent landscaping. Any disturbed landscape area shall receive mulched seeding.

Sidewalks and Curb Ramps shall comply with PROWAG and INDOT standard details. All sidewalks, curbs and curb ramps shall be constructed on 4" of compacted aggregate. Detectable Warning Surfaces shall comply with the City's approved material list.

Contractor shall contact Indiana Underground Location Service, 811, prior to commencing excavation work.

Blue raised pavement markers shall be installed adjacent to existing fire hydrants. Hydrant locations not show on plans.

All longline pavement markings are dimensioned to face of curb (FOC), lip of gutter or edge of pavement and center of stripe. For double lane lines, dimensions are to the point midway between the two lines.

Maintenance of traffic (vehicular and pedestrian): Continuous maintenance of access to businesses and residences shall be provided along with protection of the public from construction activities at all times. Temporary traffic control shall be provided by the contractor and shall be in accordance with the latest edition of the Indiana MUTCD. During paving operations, the Contractor is required to provide temporary traffic control consistent with short-duration or mobile operations. During concrete operations requiring use of the roadway, the Contractor is required to provide temporary traffic control consistent with a lane closure on a multi-lane road using flaggers. The contractor shall limit blocking the existing sidewalk to only times necessitated by sidewalk construction work. Appropriate pedestrian maintenance of traffic signage shall be in place during any sidewalk disruptions. A pedestrian walkaround consistent with City of Bloomington Municipal Code 12.08.110 shall be provided if a portion of the sidewalk is closed for more than 48 hours. Sidewalk on at least one side of 3rd Street must be open at all times.

Contractor shall be responsible for keeping the project site in a neat and safe condition at all times.

> CITY OF BLOOMINGTON STANDARD DRAWINGS FOUND AT: BLOOMINGTON.IN.GOV/ENGINEERING/RESOURCES TO BE USED WITH THESE PLANS.

> INDIANA DEPARTMENT OR TRANSPORTATION STANDARD SPECIFICATIONS DATED 2024 AND CURRENT SUPPLEMENTS THERETO, TO BE USED WITH THESE PLANS.

	HORIZONTAL SCALE	BRIDGE FILE
	N.T.S.	N/A
IG DEPARTMENT	VERTICLE SCALE	DESIGNATION
	N/A	N/A
	SURVEY BOOK	SHEETS
ET RESURFACING VE TO FRANKLIN ROAD	N/A	1 of 65
	CONTRACT	PROJECT
	N/A	COLLEGE AVE RESURFACING



FILE: COLLEGEAVE_RESURFACING_PLAN_SHEET_01.DWG

			\frown	
irable, 2.00% Max.	WINNING CK R. D/C	RECOMMENDED	V. Im	CITY OF E
ackfill with	No.	FOR APPROVAL	EER DATE	ENGINEERI
ement, See Detail	STATE OF	DESIGNED: PRD	DRAWN: PRD	COLLEGE / 4TH STREE
	SSIONAL ENGINEERING	CHECKED: <u>NK</u>	CHECKED:	EXCEPTION



FILE: COLLEGEAVE_RESURFACING_PLAN_SHEET_02.DWG

			\frown			
irable 2,00% Max			1/1/1		HORIZONTAL SCALE	BRIDGE FILE
ii adie, 2.00% Max.	UNIT OK R. DIS		V. Km		1" = 20'	N/A
ckfill with	THE GISTER TRA		07/02/2024	ENGINEERING DEPARTMENT	VERTICLE SCALE	DESIGNATION
	No. SO	ĚNGIN	EER DATE		N/A	N/A
ement, See Detail	E ☆ PL 11900841 ☆ E			COLLEGE AVE RESURFACING	SURVEY BOOK	SHEETS
	NDIANA W	DESIGNED: PRD	DRAWN: PRD	4TH STREET TO 11TH STREET	N/A	3 of 65
	STONAL ENGLIGHT	CHECKEDINK		EVCEDTIONS AT 7TH STREET	CONTRACT	PROJECT
					N/A	COLLEGE AVE RESURFACING



AΑ	
9:11	
ы. С	
2024	
5	
yluC	
Tuesday,	
TED:	

M Milling, Asphalt, 1-1/2 in.

M1 M2 R Milling, Asphalt, 3 in.

Transitional Milling, Asphalt, 1-1/2 to 3 in.

165 #/syd HMA Surface, Type 3, 64, 9.5 mm

F

Sidewalk, Concrete, 4 In. on 4 In. #53 Compacted Agg.

$\langle CR \rangle$	
\leq	
(C1)	
\smile	

(15)

(P

 $\overline{\langle CR} \rangle$ Curb Ramp, Concrete

- PCCP for Approaches, 9 In. on 6 In. #53 Compacted Agg.
- 13 Concrete Curb

 - Concrete Curb and Gutter, Modified

Patch, 165 #/syd HMA Surface, ON PCCP, 9 In.

FILE: COLLEGEAVE_RESURFACING_PLAN_SHEET_03.DWG

TS Turning Space, 1.50% Ea. Way Desir

(42) Remove Pavement & Agg. Base, Back B-Borrow & 4" Topsoil, Mulch Seed (F1) Brick Sidewalk Removal and Replace

		^	\frown	
irable, 2.00% Max.	NUMMUNICK R. DIF	RECOMMENDED	V. Im	CITY OF E
ckfill with	No.	FOR APPROVAL	67/02/2024 EER DATE	ENGINEERI
ement, See Detail	E ☆ PL 11900841 ☆ E STATE OF STATE OF	DESIGNED: PRD	DRAWN: PRD	COLLEGE A
	SSIONAL ENGININ	CHECKED: <u>NK</u>	CHECKED:	EXCEPTION

	HORIZONTAL SCALE	BRIDGE FILE
SLOOPIINGION	1" = 20'	N/A
	VERTICLE SCALE	DESIGNATION
	N/A	N/A
AVE RESURFACING	SURVEY BOOK	SHEETS
T TO 11TH STREET NS AT 7TH STREET	N/A	4 of 65
	CONTRACT	PROJECT
	N/A	COLLEGE AVE RESURFACING



FILE: WALNUTST_RESURFACING_PLAN_SHEET_01.DWG

FILE: WALNUTST_RESURFACING_PLAN_SHEET_02.DWG

AΜ	
:05	
5:13	
124	
2, 20	
_n	
Ľ,	
sda	
Τu	
Ë	

M M1 M2 Milling, Asphalt, 1-1/2 in.

Milling, Asphalt, 3 in.

Transitional Milling, Asphalt, 1-1/2 to 3 in.

R 165 #/syd HMA Surface, Type 3, 64, 9.5 mm

F Sidewalk, Concrete, 4 In. on 4 In. #53 Compacted Agg.

$\langle CR \rangle$	Curb Ramp, Concrete
	DCCD for Approaches

(15)

(P

PCCP for Approaches, 9 In. on 6 In. #53 Compacted Agg. (C1)

13 Concrete Curb

Concrete Curb and Gutter, Modified

Patch, 165 #/syd HMA Surface, ON PCCP, 9 In.

FILE: WALNUTST_RESURFACING_PLAN_SHEET_03.DWG

			\frown	
 TS Turning Space, 1.50% Ea. Way Desirable, 2.00% Max. (42) Remove Pavement & Agg. Base, Backfill with B-Borrow & 4" Topsoil, Mulch Seed 	No.	RECOMMENDED FOR APPROVAL	07/02/2024 NEER DATE	CITY OF E ENGINEERIN
(F1) Brick Sidewalk Removal and Replacement, See Detail	STATE OF STATE	DESIGNED: PRD	DRAWN: <u>prd</u>	WALNUT S 4TH STREE
	STONAL ENGINEERIC	CHECKED: <u>NK</u>	CHECKED:	EXCEPTIONS A

BLOOMINGTON	HORIZONTAL SCALE 1" = 20'	BRIDGE FILE N/A
NG DEPARTMENT	VERTICLE SCALE N/A	DESIGNATION N/A
ST RESURFACING	SURVEY BOOK	SHEETS 7 of 65
	CONTRACT	PROJECT
AI /IN & IIIN SIREEI	N/A	WALNUT STREET RESURFACING

4:56:34	
Tuesday, July 2, 2024	M1 (M2) (M2)
TTED: 1	

(M)

(M2) Transitional Milling, Asphalt, 1-1/2 to 3 in.

 (\mathbf{R}) 165 #/syd HMA Surface, Type 3, 64, 9.5 mm

Sidewalk, Concrete, 4 In. on 4 In. #53 Compacted Agg.

(13) Concrete Curb (15)

Concrete Curb and Gutter, Modified

Patch, 165 #/syd HMA Surface, ON PCCP, 9 In.

FILE: COLLEGEAVE_RESURFACING_PLAN_SHEET_CURB RAMP_01.DWG

DTW Detectable Warning Plate, Cast Iron

\sim	
(F1)	Brick Sidewalk Removal and Replacement, See Detail

NUMBICK R. DIED
OT LOISTER T
≣ ` € No. `0` []
≣☆ PE 11900841 ☆
STATE OF
NDIANA
SONAL ENUM

	\frown	
RECOMMENDED FOR APPROVAL	07/02/2024 NEER DATE	CITY OF E ENGINEERIN
DESIGNED: PRD	DRAWN: <u>prd</u>	COLLEGE A
CHECKED: NK	CHECKED:	EXCEPTION

- Pavement patching along curb face shall be considered incidental to the cost of curb construction. All patching required shall be full depth PCCP with 1-1/2" of asphalt surface.
- Tree roots impacted during construction shall be sawcut flush. • All existing valves, manholes, vaults and other facilities shall be adjusted to grade as needed for construction. Contractor shall coordinate as needed with the appropriate utility.
- Meters and sign posts impacted during construction shall be relocated/replaced. Contractor shall provide temporary signage as needed during construction.

BLOOMINGTON NG DEPARTMENT	HORIZONTAL SCALE 1" = 20' VERTICLE SCALE N/A	BRIDGE FILE N/A DESIGNATION N/A
AVE RESURFACING T TO 11TH STREET NS AT 7TH STREET	SURVEY BOOK N/A CONTRACT N/A	SHEETS 8 of 65 PROJECT COLLEGE AVE RESURFACING

Curb Height: 0" Curb Height: 0" 6.0' Curb Height: 0"	1
Sawcut Brick Pavers, Neat Line	Curb Height: M.E.
	D.N.D. Existing Curb
STRW	Curb Height: M.E.

 $\langle CR \rangle$ Curb Ramp, Concrete TS Turning Space, 1.50% Ea. Way Desire (M)Milling, Asphalt, 1-1/2 in. (42) Remove Pavement & Agg. Base, Back B-Borrow & 4" Topsoil, Mulch Seed (M1) (C1)PCCP for Approaches, 9 In. on Milling, Asphalt, 3 in. (M2) Transitional Milling, Asphalt, 1-1/2 to 3 in. (13) Concrete Curb (F1) Brick Sidewalk Removal and Replace (15) 165 #/syd HMA Surface, Type 3, 64, 9.5 mm Concrete Curb and Gutter, Modified (R DTW Detectable Warning Plate, Cast Iron (P)Patch, 165 #/syd HMA Surface, ON PCCP, 9 In. (F Sidewalk, Concrete, 4 In.

FILE: COLLEGEAVE_RESURFACING_PLAN_SHEET_CURB RAMP_02.DWG

CURB RAMP DETAILS <u>NORTHEAST AND SOUTHEAST CORNER COLLEGE AVENUE AND KIRKWOOD AVENUE</u> Scale: 1"=5'

Notes:

• Dimensions and layouts shown are considered the maximum required to meet PROWAG requirements. If additional removal/reconstruction is required the Contractor shall notify the • Owner for approval.

- Curb ramps shall slope to the roadway. Contractor shall set turning space elevations to ensure curb ramps slope to the roadway. Ponding at curb ramps shall be corrected at the Contractor's expense.
- Curbs at curb ramps shall taper from 0" to 6" in the distance called out on the curb ramp details.
- All exposed curb faces shall be finished. Back of curbs in grass areas, item "42", shall be finished as needed to achieve grass slopes of 6:1 max.

		^		
rable, 2.00% Max. ckfill with	RICK R. DIER	RECOMMENDED FOR APPROVAL	07/02/2024 EER DATE	CITY OF E ENGINEERI
ement, See Detail	The state of the	DESIGNED: PRD	DRAWN: <u>prd</u>	COLLEGE / 4TH STREE
	Manager STONAL Engineering	CHECKED: <u>NK</u>	CHECKED:	EXCEPTION

- Pavement patching along curb face shall be considered incidental to the cost of curb construction. All patching required shall be full depth PCCP with 1-1/2" of asphalt surface.
- Tree roots impacted during construction shall be sawcut flush. • All existing valves, manholes, vaults and other facilities shall be adjusted to grade as needed for construction. Contractor shall coordinate as needed with the appropriate utility.
- Meters and sign posts impacted during construction shall be relocated/replaced. Contractor shall provide temporary signage as needed during construction.

	HORIZONTAL SCALE	BRIDGE FILE
SLOUMIINGIUN	1" = 20'	N/A
NG DEPARTMENT	VERTICLE SCALE	DESIGNATION
	N/A	N/A
AVE RESURFACING	SURVEY BOOK	SHEETS
T TO 11TH STREET NS AT 7TH STREET	N/A	9 of 65
	CONTRACT	PROJECT
	N/A	COLLEGE AVE RESURFACING

CURB RAMP DETAILS NORTHWEST CORNER COLLEGE AVENUE AND 6TH STREET Scale: 1"=5'

FILE: COLLEGEAVE_RESURFACING_PLAN_SHEET_CURB RAMP_03.DWG

RECOMMENDED FOR APPROVAL	EER	07/02/2024 DATE
DESIGNED: PRD	DRAWN: <u>prd</u>	
CHECKED: <u>NK</u>	CHECKED:	

	HORIZONTAL SCALE	BRIDGE FILE
SLOOMIINGION	1" = 20'	N/A
NG DEPARTMENT	VERTICLE SCALE	DESIGNATION
	N/A	N/A
AVE RESURFACING	SURVEY BOOK	SHEETS
T TO 11TH STREET	N/A	10 of 65
	CONTRACT	PROJECT
IS AT / TH STREET	N/A	COLLEGE AVE RESURFACING

• Curbs at curb ramps shall taper from 0" to 6" in the distance • All exposed curb faces shall be finished. Back of curbs in grass

turning space elevations to ensure curb ramps slope to the roadway. Ponding at curb ramps shall be corrected at the

required to meet PROWAG requirements. If additional

- depth PCCP with 1-1/2" of asphalt surface.
- removal/reconstruction is required the Contractor shall notify the Tree roots impacted during construction shall be sawcut flush.
 - adjusted to grade as needed for construction. Contractor shall coordinate as needed with the appropriate utility.
 - Meters and sign posts impacted during construction shall be relocated/replaced. Contractor shall provide temporary signage as needed during construction.
- Pavement patching along curb face shall be considered incidental to the cost of curb construction. All patching required shall be full
- All existing valves, manholes, vaults and other facilities shall be

́М2

		5	cale:	1=2.
Milling, Asphalt, 1-1/2 in.		Curb Ramp, Concrete	TS	Turning Space, 1.50% Ea. Way Desir
Milling, Asphalt, 3 in.	$\overline{(C1)}$	PCCP for Approaches, 9 In. on 6 In #53 Compacted Agg	(42)	Remove Pavement & Agg. Base, Bac
Transitional Milling, Asphalt, 1-1/2 to 3 in.	(13)	Concrete Curb	(F1)	Brick Sidewalk Removal and Replace
165 #/syd HMA Surface, Type 3, 64, 9.5 mm	15	Concrete Curb and Gutter, Modified	DTW	Detectable Warning Plate, Cast Iron
Sidewalk, Concrete, 4 In. on 4 In. #53 Compacted Agg.	P	Patch, 165 #/syd HMA Surface, ON PCCP, 9 In.		

FILE: COLLEGEAVE_RESURFACING_PLAN_SHEET_CURB RAMP_04.DWG

e, 1.50% Ea. Way Desirable, 2.00% Max.
ement & Agg. Base, Backfill with " Topsoil, Mulch Seed
k Removal and Replacement, See Detail

$\begin{array}{c} \text{HIMMERICK R. DIERTER No.} \\ \text{No.} \\ \text{PE 11900841} \\ \text{STATE OF} \\ NoIANA$	
NDIANA (MUNIN	

		\frown	
	RECOMMENDED FOR APPROVAL	07/02/2024 EER DATE	CITY OF E Engineerin
	DESIGNED: PRD	DRAWN: <u>prd</u>	COLLEGE A 4TH STREE
ir.	CHECKED: <u>NK</u>	CHECKED:	EXCEPTION

Notes:

- Dimensions and layouts shown are considered the maximum required to meet PROWAG requirements. If additional removal/reconstruction is required the Contractor shall notify the Owner for approval.
- Curb ramps shall slope to the roadway. Contractor shall set turning space elevations to ensure curb ramps slope to the roadway. Ponding at curb ramps shall be corrected at the Contractor's expense.
- Curbs at curb ramps shall taper from 0" to 6" in the distance called out on the curb ramp details.
- All exposed curb faces shall be finished. Back of curbs in grass areas, item "42", shall be finished as needed to achieve grass slopes of 6:1 max.

CURB RAMP DETAILS SOUTHWEST AND SOUTHEAST CORNER COLLEGE AVENUE AND 7TH STREET Scale: 1"=5'

- Pavement patching along curb face shall be considered incidental to the cost of curb construction. All patching required shall be full depth PCCP with 1-1/2" of asphalt surface.
- Tree roots impacted during construction shall be sawcut flush. • All existing valves, manholes, vaults and other facilities shall be adjusted to grade as needed for construction. Contractor shall

coordinate as needed with the appropriate utility.
Meters and sign posts impacted during construction shall be relocated/replaced. Contractor shall provide temporary signage as needed during construction.

BLOOMINGTON NG DEPARTMENT	HORIZONTAL SCALE 1" = 20' VERTICLE SCALE N/A	BRIDGE FILE N/A DESIGNATION N/A
AVE RESURFACING	SURVEY BOOK	SHEETS
T TO 11TH STREET	CONTRACT	PROJECT
NJ AT / TH JIKEET	N/A	COLLEGE AVE RESURFACING

FILE: COLLEGEAVE_RESURFACING_PLAN_SHEET_CURB RAMP_05.DWG

Μ

R

(F)

Scale: 1"=5'

- Pavement patching along curb face shall be considered incidental to the cost of curb construction. All patching required shall be full depth PCCP with 1-1/2" of asphalt surface.
- Tree roots impacted during construction shall be sawcut flush. • • All existing valves, manholes, vaults and other facilities shall be adjusted to grade as needed for construction. Contractor shall coordinate as needed with the appropriate utility.
- Meters and sign posts impacted during construction shall be relocated/replaced. Contractor shall provide temporary signage as needed during construction.

HORIZONTAL SCALE BRIDGE FILE CITY OF BLOOMINGTON ENGINEERING DEPARTMENT 1" = 20' N/A VERTICLE SCALE DESIGNATION N/A N/A SURVEY BOOK SHEETS COLLEGE AVE RESURFACING 4TH STREET TO 11TH STREET 12 of 65 N/A CONTRACT PROJECT **EXCEPTIONS AT 7TH STREET** N/A COLLEGE AVE RESURFACING

FILE: COLLEGEAVE_RESURFACING_PLAN_SHEET_CURB RAMP_06.DWG

HORIZONTAL SCALE	BRIDGE FILE		
VERTICLE SCALE			
N/A	N/A		
SURVEY BOOK	SHEETS		
N/A	13 of 65		
CONTRACT	PROJECT		
N/A	COLLEGE AVE RESURFACING		
	HORIZONTAL SCALE 1" = 20' VERTICLE SCALE N/A SURVEY BOOK N/A CONTRACT N/A		

CURB RAMP DETAILS NORTHWEST AND SOUTHWEST CORNER WALNUT STREET AND KIRKWOOD AVENUE

						 Notes: Dimensions and la required to meet removal/reconstru Owner for approv Curb ramps shall turning space elev roadway. Ponding Contractor's expe Curbs at curb ram called out on the All exposed curb f areas, item "42", slopes of 6:1 max 	ayouts shown are considered the maximum PROWAG requirements. If additional action is required the Contractor shall notify the al. slope to the roadway. Contractor shall set vations to ensure curb ramps slope to the at curb ramps shall be corrected at the nse. ups shall taper from 0" to 6" in the distance curb ramp details. Faces shall be finished. Back of curbs in grass shall be finished as needed to achieve grass
M	Milling, Asphalt, 1-1/2 in.	CR Curb Ramp, Concrete	TS Turning Space, 1.50% Ea. Way Desirable, 2.00% Max.	www.K.K.R. Dic	RECOMMENDED	V	CITY OF BLOC
	Milling, Asphalt, 3 in.	C1 PCCP for Approaches, 9 In. on 6 In. #53 Compacted Agg.	Remove Pavement & Agg. Base, Backfill withB-Borrow & 4" Topsoil, Mulch Seed	No.	FOR APPROVAL	VEER 07/02/2024	ENGINEERING D
	1 ransitional Milling, Asphalt, 1-1/2 to 3 in.	(13) Concrete Curb	(F1) Brick Sidewalk Removal and Replacement, See Detail	► PE 11900841 ☆			WALNUT ST RES
		(15) Concrete Curb and Gutter, Modified	DTW Detectable Warning Plate, Cast Iron	NDIANA WINNING			4TH STREET TO 1
	Sidewalk, Concrete, 4 In. on 4 In. #53 Compacted Agg.	(P) Patch, 165 #/syd HMA Surface, ON PCCP, 9	In.		CHECKED: <u>NK</u>	CHECKED:	EXCEPTIONS AT 7TH
FTI E· W	ALNUTST RESURFACING PLAN SHEET CURB RAMP OF DWO	ç					

Scale: 1"=5'

- Pavement patching along curb face shall be considered incidental to the cost of curb construction. All patching required shall be full depth PCCP with 1-1/2" of asphalt surface.
- Tree roots impacted during construction shall be sawcut flush. • All existing valves, manholes, vaults and other facilities shall be adjusted to grade as needed for construction. Contractor shall coordinate as needed with the appropriate utility.
 - Meters and sign posts impacted during construction shall be relocated/replaced. Contractor shall provide temporary signage as needed during construction.

	HORIZONTAL SCALE	BRIDGE FILE
	1" = 20'	N/A
	VERTICLE SCALE	DESIGNATION
	N/A	N/A
ST RESURFACING	SURVEY BOOK	SHEETS
T TO 11TH STREET	N/A	14 of 65
	CONTRACT	PROJECT
AT / TH & II TH STREET	N/A	WALNUT STREET RESURFACING

CURB RAMP DETAILS NORTHWEST AND SOUTHWEST CORNER WALNUT STREET AND 6TH STREET

						 Notes: Dimensions and la required to meet removal/reconstru Owner for approv Curb ramps shall turning space elevroadway. Ponding Contractor's experience. Curbs at curb ramicalled out on the All exposed curb fareas, item "42", slopes of 6:1 max 	ayouts shown are considered the maximum PROWAG requirements. If additional action is required the Contractor shall notify al. slope to the roadway. Contractor shall set vations to ensure curb ramps slope to the at curb ramps shall be corrected at the nse. ops shall taper from 0" to 6" in the distance curb ramp details. faces shall be finished. Back of curbs in grass shall be finished as needed to achieve grass c.
M	Milling, Asphalt, 1-1/2 in.	CR Curb Ramp, Concrete	TS Turning Space, 1.50% Ea. Way Desirable, 2.00% Max.		RECOMMENDED	V. Vm	CITY OF BLO
M1) (M2)	Milling, Asphalt, 3 in. Transitional Milling, Asphalt, 1-1/2 to 3 in.	C1 PCCP for Approaches, 9 In. on 6 In. #53 Compacted Agg.	(42) Remove Pavement & Agg. Base, Backfill with B-Borrow & 4" Topsoil, Mulch Seed	No.	FOR APPROVAL	07/02/2024 INEER DATE	ENGINEERING I
$ $ $ $ $ $ $ $	165 #/syd HMA Surface, Type 3, 64, 9.5 mm	 (13) Concrete Curb (15) Concrete Curb and Gutter, Modified 	(F1) Brick Sidewalk Removal and Replacement, See Detail DTW Detectable Warning Plate, Cast Iron	≡ ☆ PE 11900841 ☆ ≣ STATE OF ↔ ■ WOLANA	DESIGNED: PRD	DRAWN: <u>prd</u>	
F	Sidewalk, Concrete, 4 In. on 4 In. #53 Compacted Agg.	P Patch, 165 #/syd HMA Surface, ON PCCP, 9 In.		SSIONAL ENGLAND	CHECKED: <u>NK</u>	CHECKED:	EXCEPTIONS AT 7TH

FILE: WALNUTST_RESURFACING_PLAN_SHEET_CURB RAMP_02.DWG

Scale: 1"=5'

- Pavement patching along curb face shall be considered incidental to the cost of curb construction. All patching required shall be full depth PCCP with 1-1/2" of asphalt surface.
- Tree roots impacted during construction shall be sawcut flush. • All existing valves, manholes, vaults and other facilities shall be adjusted to grade as needed for construction. Contractor shall
 - coordinate as needed with the appropriate utility.
 Meters and sign posts impacted during construction shall be relocated/replaced. Contractor shall provide temporary signage as needed during construction.
- bs in grass ieve grass

OMINGTON	HORIZONTAL SCALE	BRIDGE FILE
	VERTICLE SCALE	DESIGNATION
	N/A	N/A
FSURFACING	SURVEY BOOK	SHEETS
11TH STREET	N/A	15 of 65
	CONTRACT	PROJECT
	N/A	WALNUT STREET RESURFACING

CURB RAMP DETAILS NORTHEAST AND SOUTHEAST CORNER WALNUT STREET AND 6TH STREET Scale: 1"=5'

FILE: WALNUTST_RESURFACING_PLAN_SHEET_CURB RAMP_03.DWG

- Pavement patching along curb face shall be considered incidental to the cost of curb construction. All patching required shall be full depth PCCP with 1-1/2" of asphalt surface.
- Tree roots impacted during construction shall be sawcut flush.
 All existing valves, manholes, vaults and other facilities shall be adjusted to grade as needed for construction. Contractor shall coordinate as needed with the appropriate utility.
- Meters and sign posts impacted during construction shall be relocated/replaced. Contractor shall provide temporary signage as needed during construction.

BLOOMINGTON NG DEPARTMENT	HORIZONTAL SCALE 1" = 20' VERTICLE SCALE N/A	BRIDGE FILE N/A DESIGNATION N/A
ST RESURFACING T TO 11TH STREET T 7TH & 11TH STREET	SURVEY BOOK N/A CONTRACT N/A	SHEETS 16 of 65 PROJECT WALNUT STREET RESURFACING

							\sim		
7, 202 ⁴	Milling, Asphalt, 1-1/2 in.		Curb Ramp, Concrete	TS Turning Space, 1.50% Ea. Way Desirable, 2.00% Max.	With CK R. DIC	RECOMMENDED		har	CITY OF E
	Milling, Asphalt, 3 in.	(C1)	PCCP for Approaches, 9 In. on	(42) Remove Pavement & Agg. Base, Backfill with	THE GISTER TA	FOR APPROVAL	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	07/02/2024	FNGINFERI
	Transitional Milling, Asphalt, 1-1/2 to 3 in.	(12)	6 In. #53 Compacted Agg.	B-Borrow & 4" Topsoil, Mulch Seed	E ↔ PF 11900841 ↔		ÉNGINEER	DATE	
	165 #/syd HMA Surface, Type 3, 64, 9.5 mm	(15)	Concrete Curb and Gutter, Modified	DTW Detectable Warning Plate, Cast Iron	P STATE OF	DESIGNED: PRD	DRAWI	N: <u>prd</u>	WALNUT 4TH STREE
F	Sidewalk, Concrete, 4 In. on 4 In. #53 Compacted Agg.	P	Patch, 165 #/syd HMA Surface, ON PCCP, 9	In.	THIS SSIONAL ENGINEERING	CHECKED: <u>NK</u>	CHECK	ED:	EXCEPTIONS A

FILE: WALNUTST_RESURFACING_PLAN_SHEET_CURB RAMP_04.DWG

Notes:

• Dimensions and layouts shown are considered the maximum required to meet PROWAG requirements. If additional removal/reconstruction is required the Contractor shall notify the • Owner for approval.

• Curb ramps shall slope to the roadway. Contractor shall set turning space elevations to ensure curb ramps slope to the roadway. Ponding at curb ramps shall be corrected at the Contractor's expense.

• Curbs at curb ramps shall taper from 0" to 6" in the distance called out on the curb ramp details.

• All exposed curb faces shall be finished. Back of curbs in grass areas, item "42", shall be finished as needed to achieve grass slopes of 6:1 max.

- Pavement patching along curb face shall be considered incidental to the cost of curb construction. All patching required shall be full depth PCCP with 1-1/2" of asphalt surface.
- Tree roots impacted during construction shall be sawcut flush. • All existing valves, manholes, vaults and other facilities shall be adjusted to grade as needed for construction. Contractor shall coordinate as needed with the appropriate utility.
 Meters and sign posts impacted during construction shall be
- relocated/replaced. Contractor shall provide temporary signage as needed during construction.

BLOOMINGTON NG DEPARTMENT	HORIZONTAL SCALE 1" = 20' VERTICLE SCALE N/A	BRIDGE FILE N/A DESIGNATION N/A
ST RESURFACING T TO 11TH STREET	SURVEY BOOK	SHEETS 17 of 65
T 7TH & 11TH STREET	N/A	PROJECT WALNUT STREET RESURFACING

2, 202	M Milling, Asphalt, 1-1/2 in.	CR Curb Ra	amp, Concrete	TS Turning Space, 1.50% Ea. Way Desirable, 2.00% Max.		RECOMMENDED	5	CITY OF E
VIUC , Y	M1) Milling, Asphalt, 3 in.	C1 PCCP f 6 In. #	for Approaches, 9 In. on #53 Compacted Agg.	(42) Remove Pavement & Agg. Base, Backfill with B-Borrow & 4" Topsoil Mulch Seed	TRUCING DEP	FOR APPROVAL	07/02/2024	ENGINEERI
l) (l	M2 Transitional Milling, Asphalt, 1-1/2 to 3 in.	(13) Concre	ete Curb	(F1) Brick Sidewalk Removal and Replacement, See Detail	₩0. ★ PE 11900841 ★			
	R) 165 #/syd HMA Surface, Type 3, 64, 9.5 mm	(15) Concre	ete Curb and Gutter, Modified	DTW Detectable Warning Plate, Cast Iron	NOIANA ENGLIS	DESIGNED: <u>PRD</u>	N: <u>PRD</u>	4TH STREE
	4 In. #53 Compacted Agg.	(P) Patch,	, 165 #/syd HMA Surface, ON PCCP,	9 In.		CHECKED: <u>NK</u>	ED:	EXCEPTIONS A

FILE: WALNUTST_RESURFACING_PLAN_SHEET_CURB RAMP_05.DWG

- areas, item "42", shall be finished as needed to achieve grass slopes of 6:1 max.

- Pavement patching along curb face shall be considered incidental to the cost of curb construction. All patching required shall be full depth PCCP with 1-1/2" of asphalt surface.
- Tree roots impacted during construction shall be sawcut flush. • All existing valves, manholes, vaults and other facilities shall be adjusted to grade as needed for construction. Contractor shall coordinate as needed with the appropriate utility.
- Meters and sign posts impacted during construction shall be relocated/replaced. Contractor shall provide temporary signage as needed during construction.

LOOMINGTON	HORIZONTAL SCALE 1" = 20'	BRIDGE FILE
IG DEPARTMENIT	VERTICLE SCALE	DESIGNATION
	N/A	N/A
	SURVEY BOOK	SHEETS
TO 11TH STREET	N/A	18 of 65
TTH & 11TH CTDEET	CONTRACT	PROJECT
	N/A	WALNUT STREET RESURFACING

Scale: 1"=5'

								`	
M	Milling, Asphalt, 1-1/2 in.	$\langle CR \rangle$	Curb Ramp, Concrete	TS Turning Space, 1.50% Ea. Way Desirable, 2.00% Max.		RECOMMENDED		5	CITY OF I
Anr M1	Milling, Asphalt, 3 in.	$\overline{C1}$	PCCP for Approaches, 9 In. on	(42) Remove Pavement & Agg. Base, Backfill with	THE RULE OSTER TANK	FOR APPROVAL	have been to	7/02/2024	ENGINEERI
All M2	Transitional Milling, Asphalt, 1-1/2 to 3 in.	(13)	Concrete Curb	B-Borrow & 4" Topsoil, Mulch Seed (F1) Brick Sidewalk Removal and Replacement, See Detail	≧ ☆ No. 0 ≣ ☆ PE 11900841 ☆ ≣			DATE	
	165 #/syd HMA Surface, Type 3, 64, 9.5 mm	$\underbrace{)}{(15)}$	Concrete Curb and Gutter, Modified	DTW Detectable Warning Plate, Cast Iron	STATE OF	DESIGNED: PRD	DRAWN: prd		
F	Sidewalk, Concrete, 4 In. on 4 In. #53 Compacted Agg.	(P)	Patch, 165 #/syd HMA Surface, ON PCCP, 9	In.	S/ONAL ENGLAND	CHECKED: <u>NK</u>	CHECKED:		EXCEPTIONS A

FILE: WALNUTST_RESURFACING_PLAN_SHEET_CURB RAMP_06.DWG

Notes:

- Dimensions and layouts shown are considered the maximum required to meet PROWAG requirements. If additional removal/reconstruction is required the Contractor shall notify the • Owner for approval.
- Curb ramps shall slope to the roadway. Contractor shall set turning space elevations to ensure curb ramps slope to the roadway. Ponding at curb ramps shall be corrected at the Contractor's expense.
- Curbs at curb ramps shall taper from 0" to 6" in the distance called out on the curb ramp details.
- All exposed curb faces shall be finished. Back of curbs in grass areas, item "42", shall be finished as needed to achieve grass slopes of 6:1 max.

- Pavement patching along curb face shall be considered incidental to the cost of curb construction. All patching required shall be full depth PCCP with 1-1/2" of asphalt surface.
- Tree roots impacted during construction shall be sawcut flush. • All existing valves, manholes, vaults and other facilities shall be adjusted to grade as needed for construction. Contractor shall
- coordinate as needed with the appropriate utility.
 Meters and sign posts impacted during construction shall be relocated/replaced. Contractor shall provide temporary signage as needed during construction.

BLOOMINGTON NG DEPARTMENT	HORIZONTAL SCALE 1" = 20' VERTICLE SCALE N/A	BRIDGE FILE N/A DESIGNATION N/A
ST RESURFACING F TO 11TH STREET F 7TH & 11TH STREET	SURVEY BOOK N/A CONTRACT N/A	SHEETS 19 of 65 PROJECT WALNUT STREET RESURFACING

CURB RAMP DETAILS NORTHWEST AND SOUTHWEST CORNER WALNUT STREET AND 10TH STREET Scale: 1"=5'

M	Milling, Asphalt, 1-1/2 in.		Curb Ramp, Concrete	TS	Turning Space, 1.50% Ea. Way Desir
	Milling, Asphalt, 3 in.	$\overline{C1}$	PCCP for Approaches, 9 In. on	(42)	Remove Pavement & Agg. Base, Bac
	Transitional Milling, Asphalt, 1-1/2 to 3 in.	(13)	Concrete Curb	(F1)	B-Borrow & 4" Topsoil, Mulch Seed Brick Sidewalk Removal and Replace
$\left\ \begin{array}{c} \mathbf{R} \\ \mathbf{R} \end{array} \right\ $	165 #/syd HMA Surface, Type 3, 64, 9.5 mm	(15)	Concrete Curb and Gutter, Modified	DTW	Detectable Warning Plate, Cast Iron
(F)	Sidewalk, Concrete, 4 In. on 4 In. #53 Compacted Agg.	P	Patch, 165 #/syd HMA Surface, ON PCCP, 9 In.		
	NUMBER DECUDERCING DUAN CHEET CHOR DAMP OF D				

FILE: WALNUTST_RESURFACING_PLAN_SHEET_CURB RAMP_07.DWG

CHECKED:<u>NK</u>

Notes:

CHECKED:

CURB RAMP DETAILS WESTSIDE OF WALNUT STREET AND STA 42+20 Scale: 1"=5'

• Pavement patching along curb face shall be considered incidental to the cost of curb construction. All patching required shall be full depth PCCP with 1-1/2" of asphalt surface.

Tree roots impacted during construction shall be sawcut flush. • All existing valves, manholes, vaults and other facilities shall be adjusted to grade as needed for construction. Contractor shall coordinate as needed with the appropriate utility.

• Meters and sign posts impacted during construction shall be relocated/replaced. Contractor shall provide temporary signage as needed during construction.

BLOOMINGTON NG DEPARTMENT	HORIZONTAL SCALE 1" = 20' VERTICLE SCALE N/A	BRIDGE FILE N/A DESIGNATION N/A
ST RESURFACING	SURVEY BOOK	SHEETS
T TO 11TH STREET	N/A	20 of 65
T 7TH & 11TH CTDEET	CONTRACT	PROJECT
	N/A	WALNUT STREET RESURFACING

								\sim		
	Milling, Asphalt, 1-1/2 in.		Curb Ramp, Concrete	TS	Turning Space, 1.50% Ea. Way Desirable, 2.00% Max.		RECOMMENDED		5	CITY OF E
	Milling, Asphalt, 3 in.	(C1)	PCCP for Approaches, 9 In. on 6 In. #53 Compacted Agg.	(42)	Remove Pavement & Agg. Base, Backfill with B-Borrow & 4" Topsoil, Mulch Seed	THE RESTERTED	FOR APPROVAL		07/02/2024	ENGINEERI
	Transitional Milling, Asphalt, 1-1/2 to 3 in.	(13)	Concrete Curb	(F1)	Brick Sidewalk Removal and Replacement, See Detail	⇒ PE 11900841 ☆				
	165 #/syd HMA Surface, Type 3, 64, 9.5 mm	(15)	Concrete Curb and Gutter, Modified	DTV	Detectable Warning Plate, Cast Iron	NDIANA W	DESIGNED: <u>prd</u>	DRAW	N: <u>prd</u>	4TH STREE
F	Sidewalk, Concrete, 4 In. on 4 In. #53 Compacted Agg.	P	Patch, 165 #/syd HMA Surface, ON PCCP, 9) In.		STONAL ENGINE	CHECKED: <u>NK</u>		(ED:	EXCEPTIONS A
	ALNUTCT DECUDEACING DIANI CLIEFT CUDD DAMD 00 DI									

FILE: WALNUTST_RESURFACING_PLAN_SHEET_CURB RAMP_08.DWG

CURB RAMP DETAILS <u>NORTHEAST AND SOUTHEAST CORNER WALNUT STREET AND 10TH STREET</u> Scale: 1"=5'

Notes:

- Dimensions and layouts shown are considered the maximum required to meet PROWAG requirements. If additional removal/reconstruction is required the Contractor shall notify the • Owner for approval.
- Curb ramps shall slope to the roadway. Contractor shall set turning space elevations to ensure curb ramps slope to the roadway. Ponding at curb ramps shall be corrected at the Contractor's expense.
- Curbs at curb ramps shall taper from 0" to 6" in the distance called out on the curb ramp details.
- All exposed curb faces shall be finished. Back of curbs in grass areas, item "42", shall be finished as needed to achieve grass slopes of 6:1 max.

- Pavement patching along curb face shall be considered incidental to the cost of curb construction. All patching required shall be full depth PCCP with 1-1/2" of asphalt surface.
- Tree roots impacted during construction shall be sawcut flush. • All existing valves, manholes, vaults and other facilities shall be adjusted to grade as needed for construction. Contractor shall coordinate as needed with the appropriate utility.
- Meters and sign posts impacted during construction shall be relocated/replaced. Contractor shall provide temporary signage as needed during construction.

	HORIZONTAL SCALE	BRIDGE FILE
SLOUMINGIUN	1" = 20'	N/A
	VERTICLE SCALE	DESIGNATION
	N/A	N/A
ST RESURFACING	SURVEY BOOK	SHEETS
T TO 11TH STREET	N/A	21 of 65
	CONTRACT	PROJECT
	N/A	WALNUT STREET RESURFACING

FILE: 4THST_RESURFACING_PLAN_SHEET_01.DWG

FILE: 4THST_RESURFACING_PLAN_SHEET_02.DWG

AΜ	
7:50:26	
2024	
,	
γluር	
Tuesday,	
TED:	

M Milling, Asphalt, 1-1/2 in.

(M1) Milling, Asphalt, 3 in.

(M2) Transitional Milling, Asphalt, 1-1/2 to 3 in.

R 165 #/syd HMA Surface, Type 3, 64, 9.5 mm

F Sidewalk, Concrete, 4 In. on 4 In. #53 Compacted Agg.

$\langle CR \rangle$	Curb Ramp, Concrete

(15)

(P)

C1 PCCP for Approaches, 9 In. on 6 In. #53 Compacted Agg.

(13) Concrete Curb

- Concrete Curb and Gutter, Modified
- Patch, 165 #/syd HMA Surface, ON PCCP, 9 In.

TS Turning Space, 1.50% Ea. Way Desire (42) Remove Pavement & Agg. Base, Back B-Borrow & 4" Topsoil, Mulch Seed

- (F1)Brick Sidewalk Removal and Replace
- (43) Remove Pavement & Agg. Base, Back B-Borrow, Backfill Tree Install with To 4" Deep Brown Mulch

FILE: 4THST_RESURFACING_PLAN_SHEET_03.DWG

			\frown	
rable, 2.00% Max.				
ckfill with	No.		EER DATE	ENGINEERI
ement, See Detail ckfill with		DESIGNED: PRD	DRAWN: <u>prd</u>	4TH STRE
Fopsoil, Cover	S/ONAL ENGININ	CHECKED: <u>NK</u>	CHECKED:	COLLEGE, WALN

	HORIZONTAL SCALE	BRIDGE FILE
SLOOPIINGION	1" = 20'	N/A
	VERTICLE SCALE	DESIGNATION
	N/A	N/A
	SURVEY BOOK	SHEETS
IDIANA AVE - EXCEPTIONS	N/A	24 of 65
	CONTRACT	PROJECT
UT, LINCOLIN TO GRANT	N/A	4TH STREET RESURFACING

FILE: 6THST_RESURFACING_PLAN_SHEET_01.DWG

				
plastic, Dashed, White, 6 in. plastic, Dotted, White, 4 in.	No.	RECOMMENDED FOR APPROVAL	EER DATE	CITY OF ENGINEERI
Snowplowable Raised Pavement Marker, Blue	PE 11900841 ☆ STATE OF VDIANA STATE OF STATE OF	DESIGNED: <u>PRD</u> CHECKED: <u>NK</u>	DRAWN: <u>prd</u>	6TH STR WALNUT S

N/A 6TH STREET RESURFACING

4	
:53:42	
11	
2024	1
2,	
July	
lesday,	

(M) Milling Apphalt 1.1/2 in (D) 165 #/aud HMA Surface Type 2.64 0.5 m

	Milling, Asphalt, 1-1/2 in. (R) 165 #/syd HMA Surface, Type 3, 64, 9.5 mm			\frown	
30	Line, Thermoplastic, Solid, White, 4 in. (35) Pavement Message Markings, Thermoplastic, White, Bike Lane (40) Line, Thermoplastic, Dashed, White, 6 in.	within CK R. DIC	RECOMMENDED	V	CITY OF I
	Line, Thermoplastic, Solid, Yellow, 4 in. 36 Pavement Message Markings, Thermoplastic, White, Shared Lane (41) Line, Thermoplastic, Dotted, White, 4 in.	NO.		EFR DATE	ENGINEERI
	Transverse Markings, Thermoplastic, Stop Bar, White 24 in. (37) Line, Thermoplastic, Solid, White, 6 in. (44) Line, Thermoplastic, Solid, White, 4 in., Parking				
	Transverse Markings, Thermoplastic, Crosswalk Line, White 24 in. @ 5' O.C. 38 Line, Thermoplastic, Solid, White, 4 in Parking T's 3'x3' 46 Snowplowable Raised Pavement	NDIANA W	DESIGNED: PRD	DRAWN: PRD	6TH STRE
34	Pavement Message Markings, Thermoplastic, White, Arrow (39) Line, Thermoplastic, Solid, Blue, 4 in Parking T's 3'x3'	SSIONAL ENGINEERING	CHECKED: <u>NK</u>	CHECKED:	WALNUT S

FILE: 6THST_RESURFACING_PLAN_SHEET_02.DWG

during layout the Contractor shall contact the Owner for review and approval prior to installation of pavement makings.

	HORIZONTAL SCALE	BRIDGE FILE
SLOOMIINGION	1" = 20'	N/A
	VERTICLE SCALE	DESIGNATION
	N/A	N/A
	SURVEY BOOK	SHEETS
ET RESURFACING	N/A	26 of 65
T TO INDIANA AVE	CONTRACT	PROJECT
	N/A	6TH STREET RESURFACING

FILE: 6THST_RESURFACING_PLAN_SHEET_03 - PARKING.DWG

		^	\bigcirc	
ermoplastic, Dashed, White, 6 in.	NUMBER R. DE	RECOMMENDED	V. Vm	CITY OF E
ermoplastic, Dotted, White, 4 in.	No.	FOR APPROVAL	EER DATE	ENGINEERI
43 Solid, Blue, 4 in. 44 Line Thermoplastic Solid	E ☆ PE 11900841 ☆ E STATE OF ↔ H	DESIGNED: PRD	DRAWN: <u>prd</u>	6TH STRE
White, 4 in., Parking	STONAL ENGUIN	CHECKED: <u>NK</u>	CHECKED:	41 TC

(F) Sidewalk, Concrete, 4 In. on 4 In. #53 Compacted Agg.
FILE: 4	THST_RESURFACING_PLAN_SHEET_CURB RAMP_01.DWG

Μ

(M1)

(M2)

(R

(F

CHECKED:<u>NK</u>

CHECKED:

areas, item "42", shall be finished as needed to achieve grass slopes of 6:1 max.

- Pavement patching along curb face shall be considered incidental to the cost of curb construction. All patching required shall be full depth PCCP with 1-1/2" of asphalt surface.
- Tree roots impacted during construction shall be sawcut flush. • • All existing valves, manholes, vaults and other facilities shall be adjusted to grade as needed for construction. Contractor shall coordinate as needed with the appropriate utility.

Meters and sign posts impacted during construction shall be relocated/replaced. Contractor shall provide temporary signage as needed during construction.

CITY OF BLOOMINGTON	HORIZONTAL SCALE 1" = 20'	BRIDGE FILE N/A
ENGINEERING DEPARTMENT	VERTICLE SCALE N/A	DESIGNATION N/A
4TH STREET RESURFACING	SURVEY BOOK	SHEETS
ADISON ST TO INDIANA AVE - EXCEPTIONS	N/A	28 of 65
COLLEGE WALNUT LINCOLN TO GRANT	CONTRACT	PROJECT
COLLEGE, WALNOT, LINCOLN TO GRANT	N/A	4TH STREET RESURFACING

CURB RAMP DETAILS SOUTHWEST CORNER 4TH STREET AND MADISON STREET Scale: 1"=5'

1 101	M	Milling, Asphalt, 1-1/2 in.	$\langle CR \rangle$	Curb Ramp, Concrete	TS	Turning Space, 1.50% Ea. Way Desi
100	M1	Milling, Asphalt, 3 in.	$\overline{C1}$	PCCP for Approaches, 9 In. on	(42)	Remove Pavement & Agg. Base, Ba
10000	M2	Transitional Milling, Asphalt, 1-1/2 to 3 in.	(13)	Concrete Curb	(F1)	B-Borrow & 4" Topsoil, Mulch Seed Brick Sidewalk Removal and Replace
5	\mathbb{R}	165 #/syd HMA Surface, Type 3, 64, 9.5 mm	(15)	Concrete Curb and Gutter, Modified	DTW	Detectable Warning Plate, Cast Iron
	F	Sidewalk, Concrete, 4 In. on 4 In. #53 Compacted Agg.	P	Patch, 165 #/syd HMA Surface, ON PCCP, 9 In.		
- L	FILE: 4TH	ST_RESURFACING_PLAN_SHEET_CURB RAMP_02.DWG				

CURB RAMP DETAILS SOUTHEAST CORNER 4TH STREET AND MADISON STREET Scale: 1"=5'

Notes:

• Dimensions and layouts shown are considered the maximum required to meet PROWAG requirements. If additional removal/reconstruction is required the Contractor shall notify the Owner for approval.

- Curb ramps shall slope to the roadway. Contractor shall set turning space elevations to ensure curb ramps slope to the roadway. Ponding at curb ramps shall be corrected at the Contractor's expense.
- Curbs at curb ramps shall taper from 0" to 6" in the distance called out on the curb ramp details. Flare slopes in pedestrian circulation routes shall not exceed 10.0%. In non-pedestrian circulation routes flares shall not exceed 25.0%.
- All exposed curb faces shall be finished. Back of curbs in grass

esirable, 2.00% Max. Backfill with

acement, See Detail

KJ	07/02/2024
EER	DATE
DRAWN: <u>prd</u>	
CHECKED:	
	EER DRAWN: <u>PRD</u> CHECKED:

-	CITY OF B
2024	ENGINEERIN
	4TH STREE MADISON ST TO IN COLLEGE, WALNU

areas, item "42", shall be finished as needed to achieve grass slopes of 6:1 max.

- Pavement patching along curb face shall be considered incidental to the cost of curb construction. All patching required shall be full depth PCCP with 1-1/2" of asphalt surface.
- Tree roots impacted during construction shall be sawcut flush. • All existing valves, manholes, vaults and other facilities shall be adjusted to grade as needed for construction. Contractor shall coordinate as needed with the appropriate utility.
- Meters and sign posts impacted during construction shall be relocated/replaced. Contractor shall provide temporary signage as needed during construction.

BLOOMINGTON NG DEPARTMENT	HORIZONTAL SCALE 1" = 20' VERTICLE SCALE N/A	BRIDGE FILE N/A DESIGNATION N/A
ET RESURFACING IDIANA AVE - EXCEPTIONS: UT, LINCOLN TO GRANT	SURVEY BOOK N/A CONTRACT N/A	SHEETS 29 of 65 PROJECT 4TH STREET RESURFACING

(F1)

FILE: 4THST_	_RESURFACING_	PLAN_	SHEET_	CURB	RAMP_	_03.DW0

Sidewalk, Concrete, 4 In. on 4 In. #53 Compacted Agg.

165 #/syd HMA Surface, Type 3, 64, 9.5 mm

(R

(F

Patch, 165 #/syd HMA Surface, ON PCCP, 9 In.

Concrete Curb and Gutter, Modified

Concrete Curb

(13)

(15)

CURB RAMP DETAILS NORTHEAST CORNER 4TH STREET AND COLLEGE AVENUE Scale: 1"=5'

Notes:

• Dimensions and layouts shown are considered the maximum required to meet PROWAG requirements. If additional removal/reconstruction is required the Contractor shall notify the Owner for approval.

- Curb ramps shall slope to the roadway. Contractor shall set turning space elevations to ensure curb ramps slope to the roadway. Ponding at curb ramps shall be corrected at the Contractor's expense.
- Curbs at curb ramps shall taper from 0" to 6" in the distance called out on the curb ramp details. Flare slopes in pedestrian circulation routes shall not exceed 10.0%. In non-pedestrian circulation routes flares shall not exceed 25.0%.
- All exposed curb faces shall be finished. Back of curbs in grass

areas, item "42", shall be finished as needed to achieve grass slopes of 6:1 max.

- Pavement patching along curb face shall be considered incidental to the cost of curb construction. All patching required shall be full depth PCCP with 1-1/2" of asphalt surface.
- Tree roots impacted during construction shall be sawcut flush. • All existing valves, manholes, vaults and other facilities shall be adjusted to grade as needed for construction. Contractor shall coordinate as needed with the appropriate utility.

Meters and sign posts impacted during construction shall be relocated/replaced. Contractor shall provide temporary signage as needed during construction.

BLOOMINGTON NG DEPARTMENT	HORIZONTAL SCALE 1" = 20' VERTICLE SCALE N/A	BRIDGE FILE N/A DESIGNATION N/A
FT RESURFACING	SURVEY BOOK	SHEETS
IDIANA AVE - EXCEPTIONS	N/A	30 of 65
	CONTRACT	PROJECT
OT, LINCOLIN TO GRANT	N/A	4TH STREET RESURFACING

						\sim			
M) Milling, Asphalt, 1-1/2 in.			TS Turning Space 1 50% Ea Way Desirable 2 00% May					HORIZONTAL SCALE	BRIDGE FILE
				WWWWICK R. DIE		/ V. Km		1" = 20'	N/A
M1 Milling, Asphalt, 3 in.	(C1	1) PCCP for Approaches, 9 In. on	(42) Remove Pavement & Agg. Base, Backfill with	TEGISTER TA	FOR APPROVAL	07/02/202		VERTICLE SCALE	DESIGNATION
M2 Transitional Milling Asphalt 1-	1/2 to 3 in	6 In. #53 Compacted Agg.	B-Borrow & 4" Topsoil, Mulch Seed	No. 50 01		ÉNGINEER DATE		N/A	N/A
	1/2 10 5 11.	3) Concrete Curb	(F1) Brick Sidewalk Removal and Replacement, See Detail					SURVEY BOOK	SHEETS
(R) 165 #/syd HMA Surface, Type	3, 64, 9.5 mm	5) Concrete Curb and Gutter, Modified	DTW Detectable Warning Plate, Cast Iron	NDIANA W	DESIGNED: <u>PRD</u>	DRAWN: <u>PRD</u>	MADISON ST TO INDIANA AVE - EXCEPTIONS	N/A	31 of 65
F Sidewalk, Concrete, 4 In. on				SIONAL ENGININ				CONTRACT	PROJECT
4 In. #53 Compacted Agg.	(P	Patch, 165 #/syd HMA Surface, ON PCCP, 9	J In.					N/A	4TH STREET RESURFACING

FILE: 4THST_RESURFACING_PLAN_SHEET_CURB RAMP_04.DWG

Notes:

- Dimensions and layouts shown are considered the maximum required to meet PROWAG requirements. If additional removal/reconstruction is required the Contractor shall notify the Owner for approval.
- Curb ramps shall slope to the roadway. Contractor shall set turning space elevations to ensure curb ramps slope to the roadway. Ponding at curb ramps shall be corrected at the Contractor's expense.
- Curbs at curb ramps shall taper from 0" to 6" in the distance called out on the curb ramp details. Flare slopes in pedestrian circulation routes shall not exceed 10.0%. In non-pedestrian circulation routes flares shall not exceed 25.0%.
- All exposed curb faces shall be finished. Back of curbs in grass

coordinate as needed with the appropriate utility. • Meters and sign posts impacted during construction shall be relocated/replaced. Contractor shall provide temporary signage as needed during construction.

• Tree roots impacted during construction shall be sawcut flush. • All existing valves, manholes, vaults and other facilities shall be adjusted to grade as needed for construction. Contractor shall

depth PCCP with 1-1/2" of asphalt surface.

to the cost of curb construction. All patching required shall be full

areas, item "42", shall be finished as needed to achieve grass slopes of 6:1 max. • Pavement patching along curb face shall be considered incidental

CURB RAMP DETAILS SOUTHEAST CORNER 4TH STREET AND COLLEGE AVENUE Scale: 1"=5'

2 1 2 N 2	M	Milling, Asphalt, 1-1/2 in.	$\langle CR \rangle$	Curb Ramp, Concrete	TS	Turning Space, 1.50% Ea. Way De
, vuu		Milling, Asphalt, 3 in.	$\overline{(C1)}$	PCCP for Approaches, 9 In. on 6 In #53 Compacted Aga	(42)	Remove Pavement & Agg. Base, B
icona d	M2	Transitional Milling, Asphalt, 1-1/2 to 3 in.	(13)	Concrete Curb	(F1)	Brick Sidewalk Removal and Repla
- - -	$\left \begin{array}{c} (\mathbf{R}) \\ \hline \end{array} \right $	165 #/syd HMA Surface, Type 3, 64, 9.5 mm	(15)	Concrete Curb and Gutter, Modified	DTW	Detectable Warning Plate, Cast Iro
	(F)	Sidewalk, Concrete, 4 In. on 4 In. #53 Compacted Agg.	P	Patch, 165 #/syd HMA Surface, ON PCCP, 9 In.		
		ST DESLIDEACING DI AN SHEET CLIDB DAMD 05 DWG				

FILE: 4THST_RESURFACING_PLAN_SHEET_CURB RAMP_05.DWG

esirable, 2.00% Max. Backfill with

acement, See Detail

RECOMMENDED FOR APPROVAL DESIGNED: PRD DRAWN: PRD CHECKED:<u>NK</u> CHECKED:

24	CITY OF E ENGINEERIN
	4TH STRE MADISON ST TO IN COLLEGE, WALNI

CONTRACT

N/A

4TH STREET RESURFACING

Scale: 1"=5'

22:00:0						
z, zuzt	M	Milling, Asphalt, 1-1/2 in.		Curb Ramp, Concrete	TS	Turning Space, 1.50% Ea. Way De
, yını, ,		Milling, Asphalt, 3 in.	(C1)	PCCP for Approaches, 9 In. on 6 In. #53 Compacted Agg.	(42)	Remove Pavement & Agg. Base, B
esuay	(M2)	Transitional Milling, Asphalt, 1-1/2 to 3 in.	(13)	Concrete Curb	(F1)	Brick Sidewalk Removal and Repla
	$\left \begin{array}{c} \mathbf{R} \\ \mathbf{R} \end{array} \right $	165 #/syd HMA Surface, Type 3, 64, 9.5 mm	15	Concrete Curb and Gutter, Modified	DTW	Detectable Warning Plate, Cast Iro
	(F)	Sidewalk, Concrete, 4 In. on 4 In. #53 Compacted Agg.	P	Patch, 165 #/syd HMA Surface, ON PCCP, 9 In.		
- [FILE: 4TH	ST_RESURFACING_PLAN_SHEET_CURB RAMP_06.DWG				

CURB RAMP DETAILS SOUTHEAST CORNER 4TH STREET AND WALNUT STREET Scale: 1"=5'

Notes:

• Dimensions and layouts shown are considered the maximum required to meet PROWAG requirements. If additional removal/reconstruction is required the Contractor shall notify the Owner for approval.

- Curb ramps shall slope to the roadway. Contractor shall set turning space elevations to ensure curb ramps slope to the roadway. Ponding at curb ramps shall be corrected at the Contractor's expense.
- Curbs at curb ramps shall taper from 0" to 6" in the distance called out on the curb ramp details. Flare slopes in pedestrian circulation routes shall not exceed 10.0%. In non-pedestrian circulation routes flares shall not exceed 25.0%.
- All exposed curb faces shall be finished. Back of curbs in grass

irable, 2.00% Max.	
ackfill with	

acement, See Detail

RECOMMENDED 5~ FOR APPROVAL 07/02/2024 ENGINEER DATE DRAWN: PRD DESIGNED: PRD CHECKED:<u>NK</u> CHECKED:

4	CITY OF E ENGINEERIN
_	4TH STRE MADISON ST TO IN COLLEGE, WALN

areas, item "42", shall be finished as needed to achieve grass slopes of 6:1 max.

- Pavement patching along curb face shall be considered incidental to the cost of curb construction. All patching required shall be full depth PCCP with 1-1/2" of asphalt surface.
- Tree roots impacted during construction shall be sawcut flush. • All existing valves, manholes, vaults and other facilities shall be adjusted to grade as needed for construction. Contractor shall coordinate as needed with the appropriate utility.

• Meters and sign posts impacted during construction shall be relocated/replaced. Contractor shall provide temporary signage as needed during construction.

BLOOMINGTON NG DEPARTMENT	HORIZONTAL SCALE 1" = 20' VERTICLE SCALE N/A	BRIDGE FILE N/A DESIGNATION N/A
ET RESURFACING IDIANA AVE - EXCEPTIONS: UT, LINCOLN TO GRANT	SURVEY BOOK N/A CONTRACT N/A	SHEETS 33 of 65 PROJECT 4TH STREET RESURFACING

(F)	Sidewalk, Concrete, 4 In. on 4 In. #53 Compacted Agg.
FILE: 4TH	HST_RESURFACING_PLAN_SHEET_CURB RAMP_07.DWG

165 #/syd HMA Surface, Type 3, 64, 9.5 mm

 (\mathbf{R})

(F)

Concrete Curb

(15)

Concrete Curb and Gutter, Modified

Patch, 165 #/syd HMA Surface, ON PCCP, 9 In.

DTW Detectable Warning Plate, Cast Iron

34 of 65

PROJECT

4TH STREET RESURFACING

N/A

CONTRACT

N/A

rable, 2.00% Max. ckfill with	No.	RECOMMENDED FOR APPROVAL	ER DATE	CITY OF E ENGINEERIN
ement, See Detail	E A PE 11900841 ☆ E STATE OF &	DESIGNED: PRD	DRAWN: <u>prd</u>	4TH STRE MADISON ST TO IN
	S/ONAL ENGINE	CHECKED: <u>NK</u>	CHECKED:	COLLEGE, WALN

CURB RAMP DETAILS NORTHWEST/NORTHEAST CORNER 4TH STREET AND WASHINGTON STREET Scale: 1"=5'

CURB RAMP DETAILS NORTHWEST CORNER 4TH STREET AND LINCOLN STREET Scale: 1"=5'

Milling, Asphalt, 1-1/2 in. Μ (M1) Milling, Asphalt, 3 in. (M2) Transitional Milling, Asphalt, 1-1/2 to 3 in.

(F)

- 165 #/syd HMA Surface, Type 3, 64, 9.5 mm
- Sidewalk, Concrete, 4 In. on 4 In. #53 Compacted Agg.
- (C1)PCCP for Approaches, 9 In. on 6 In. #53 Compacted Agg.

 $\langle CR \rangle$ Curb Ramp, Concrete

- (13) Concrete Curb (15)
 - Concrete Curb and Gutter, Modified
 - Patch, 165 #/syd HMA Surface, ON PCCP, 9 In.
- FILE: 4THST_RESURFACING_PLAN_SHEET_CURB RAMP_08.DWG

4TH STREET Curb Height: 0" Flare to Match Existing Curb Height: 0" DTW CRLINCOLN STREET 6.0' Flare to Match Existing Notes: Owner for approval. • Contractor's expense.

CURB RAMP DETAILS NORTHWEST CORNER 4TH STREET AND LINCOLN STREET Scale: 1"=5'

 TS Turning Space, 1.50% Ea. Way Desirable, 2.00% Max. (42) Remove Pavement & Agg. Base, Backfill with B-Borrow & 4" Topsoil, Mulch Seed 	No.	RECOMMENDED FOR APPROVAL	NGINEER	07/02/2024 DATE	CITY OF ENGINEER
(F1) Brick Sidewalk Removal and Replacement, See DetailDTW Detectable Warning Plate, Cast Iron	E ☆ PL 11900841 ☆ E STATE OF STATE OF STATE OF	DESIGNED: PRD	DRAWN: <u>prd</u>		4TH STR MADISON ST TO I
	SIONAL ENGINE	CHECKED: NK	CHECKED:		COLLEGE, WAL

CURB RAMP DETAILS SOUTHEAST CORNER 4TH STREET AND WASHINGTON STREET Scale: 1"=5'

• Dimensions and layouts shown are considered the maximum required to meet PROWAG requirements. If additional removal/reconstruction is required the Contractor shall notify the

Curb ramps shall slope to the roadway. Contractor shall set turning space elevations to ensure curb ramps slope to the roadway. Ponding at curb ramps shall be corrected at the

• Curbs at curb ramps shall taper from 0" to 6" in the distance called out on the curb ramp details. Flare slopes in pedestrian circulation routes shall not exceed 10.0%. In non-pedestrian circulation routes flares shall not exceed 25.0%.

• All exposed curb faces shall be finished. Back of curbs in grass

areas, item "42", shall be finished as needed to achieve grass slopes of 6:1 max.

- Pavement patching along curb face shall be considered incidental to the cost of curb construction. All patching required shall be full depth PCCP with 1-1/2" of asphalt surface.
- Tree roots impacted during construction shall be sawcut flush.
- All existing valves, manholes, vaults and other facilities shall be adjusted to grade as needed for construction. Contractor shall coordinate as needed with the appropriate utility.
- Meters and sign posts impacted during construction shall be relocated/replaced. Contractor shall provide temporary signage as needed during construction.

BLOOMINGTON	HORIZONTAL SCALE 1" = 20'	BRIDGE FILE N/A
NG DEPARTMENT	VERTICLE SCALE N/A	DESIGNATION N/A
ET RESURFACING	SURVEY BOOK	SHEETS
IDIANA AVE - EXCEPTIONS	N/A	35 of 65
	CONTRACT	PROJECT
OT, LINCOLIN TO GRANT	N/A	4TH STREET RESURFACING

FILE: 4THST_RESURFACING_PLAN_SHEET_CURB RAMP_09.DWG

Patch, 165 #/syd HMA Surface, ON PCCP, 9 In.

Notes:

- Dimensions and layouts shown are considered the maximum required to meet PROWAG requirements. If additional removal/reconstruction is required the Contractor shall notify the Owner for approval.
- Curb ramps shall slope to the roadway. Contractor shall set turning space elevations to ensure curb ramps slope to the roadway. Ponding at curb ramps shall be corrected at the Contractor's expense.
- Curbs at curb ramps shall taper from 0" to 6" in the distance called out on the curb ramp details. Flare slopes in pedestrian circulation routes shall not exceed 10.0%. In non-pedestrian circulation routes flares shall not exceed 25.0%.
- All exposed curb faces shall be finished. Back of curbs in grass

irable, 2.00% Max.	
ckfill with	

WINNINGCK R. DIF DIF
No.
☆ PE 11900841 ☆
NDIANA WI
JONAL EN MININ

	EER DATE	CITY OF B ENGINEERIN
ESIGNED: PRD	DRAWN: PRD	4TH STREE
HECKED: <u>NK</u>	CHECKED:	COLLEGE, WALNU

 \frown

 \frown

BLOOMINGTON NG DEPARTMENT	HORIZONTAL SCALE 1" = 20' VERTICLE SCALE N/A	BRIDGE FILE N/A DESIGNATION N/A
ET RESURFACING IDIANA AVE - EXCEPTIONS: UT, LINCOLN TO GRANT	SURVEY BOOK N/A CONTRACT N/A	SHEETS 36 of 65 PROJECT 4TH STREET RESURFACING

areas, item "42", shall be finished as needed to achieve grass

- slopes of 6:1 max.
- Pavement patching along curb face shall be considered incidental to the cost of curb construction. All patching required shall be full depth PCCP with 1-1/2" of asphalt surface.

adjusted to grade as needed for construction. Contractor shall

Meters and sign posts impacted during construction shall be relocated/replaced. Contractor shall provide temporary signage

• Tree roots impacted during construction shall be sawcut flush. • All existing valves, manholes, vaults and other facilities shall be

coordinate as needed with the appropriate utility.

as needed during construction.

CHECKED:

CHECKED:<u>NK</u>

	HORIZONTAL SCALE	BRIDGE FILE
CITY OF BLOOMINGTON	1" = 20'	N/A
ENGINEERING DEPARTMENT	VERTICLE SCALE	DESIGNATION
	N/A	N/A
4TH STREET RESURFACING	SURVEY BOOK	SHEETS
ADISON ST TO INDIANA AVE - EXCEPTIONS	N/A	37 of 65
	CONTRACT	PROJECT
COLLEGE, WALNUT, LINCOLN TO GRANT	N/A	4TH STREET RESURFACING

	HORIZONTAL SCALE	BRIDGE FILE
BLOOMIINGION	1" = 20'	N/A
NG DEPARTMENT	VERTICLE SCALE	DESIGNATION
	N/A	N/A
FT RESURFACING	SURVEY BOOK	SHEETS
ET RESURFACING	SURVEY BOOK	SHEETS 38 of 65
ET RESURFACING NDIANA AVE - EXCEPTIONS:	SURVEY BOOK N/A CONTRACT	SHEETS 38 of 65 PROJECT
ET RESURFACING NDIANA AVE - EXCEPTIONS: IUT, LINCOLN TO GRANT	SURVEY BOOK N/A CONTRACT N/A	SHEETS 38 of 65 PROJECT 4TH STREET RESURFACING